

LTM 1300-6.2



360 Ust



256 ft



308 ft



374 ft



# Powerful with an innovative drive concept

**LTM 1300-6.2**

Mobile crane

Grue mobile

# LIEBHERR

Mobile and crawler cranes



LIEBHERR

# Technical data

## Caractéristiques technique

### Dimensions

Encombrement ..... 3

### Mobile crane

Grue mobile ..... 4-5

### Fuel saving and noise reduction

Economie de carburant et réduction du bruit ..... 6-7

### Crane data

Dates de la grue ..... 8

### Counterweight

Contrepoids ..... 9

### Fast, efficient set-up process

Un montage d'équipement rapide et efficace ..... 10-11

### VarioBase®

VarioBase® ..... 12

### On-road driving

Déplacement sur route ..... 13

### Jobsite driving

Déplacement sur chantier ..... 13

### Variable boom systems

Configurations de flèche ..... 14-16

### Boom/jib combinations

Systèmes de flèche variables ..... 17-19

T ..... 20-27

TK ..... 28-44

TNZK ..... 45-61

TF ..... 62-71

TN ..... 72-88

### Equipment

Équipement ..... 89-90

### Description of symbols

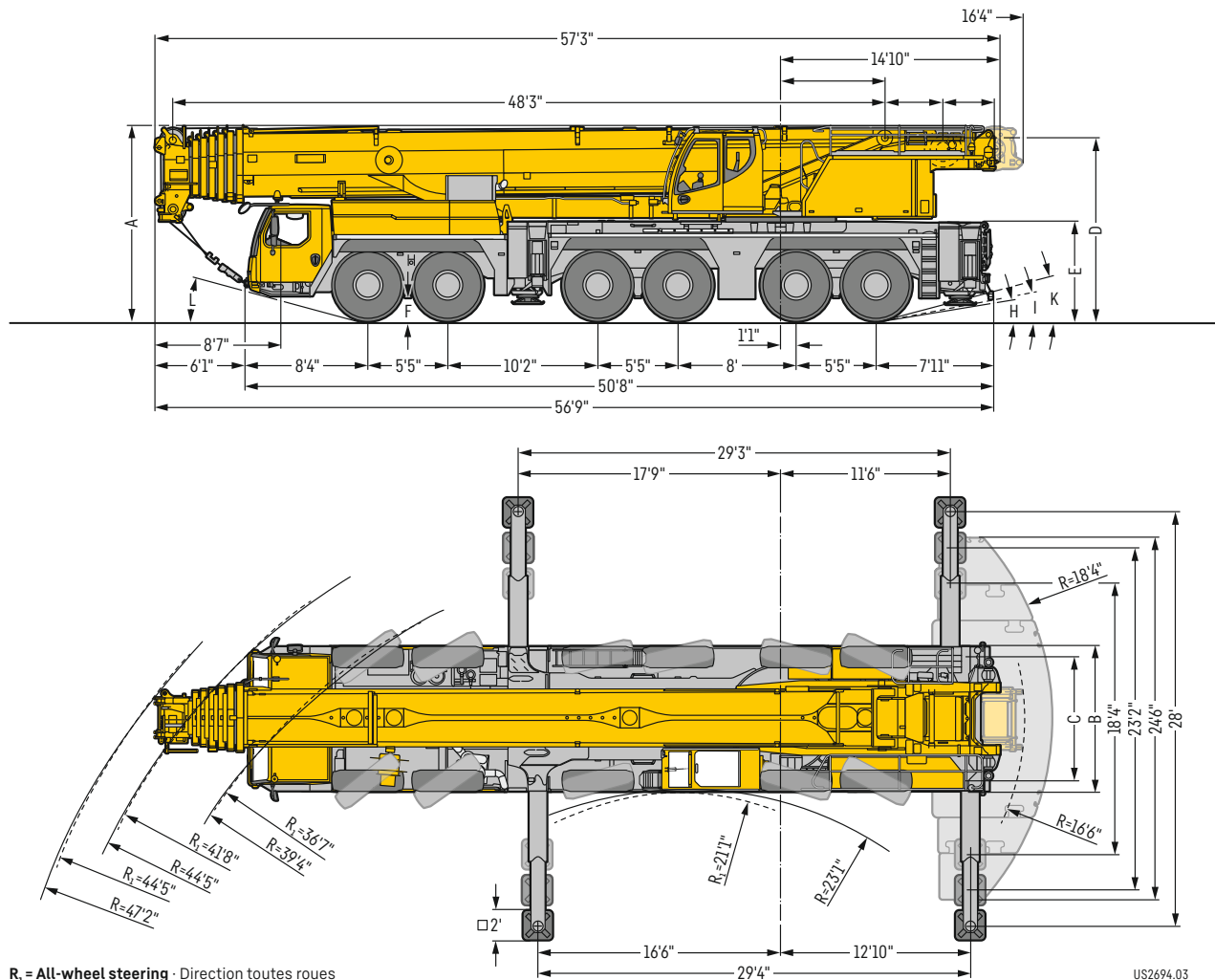
Explication des symboles ..... 91

### Remarks

Remarques ..... 92

# Dimensions

## Encombrement



R<sub>1</sub> = All-wheel steering · Direction toutes roues

US2694.03

## Dimensions · Encombrement

|                          | A     | A<br>5" * | B     | C    | D     | E    | F    | H  | I   | K   | L   |
|--------------------------|-------|-----------|-------|------|-------|------|------|----|-----|-----|-----|
| 445/95 R 25 (16.00 R 25) | 13'1" | 12'9"     | 9'10" | 8'4" | 12'3" | 6'7" | 1'4" | 9° | 10° | 15° | 14° |
| 525/80 R 25 (20.5 R 25)  | 13'1" | 12'9"     | 10'2" | 8'5" | 12'3" | 6'7" | 1'4" | 9° | 10° | 15° | 14° |

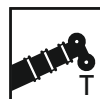
\* lowered · abaissé



# LTM 1300-6.2







256 ft



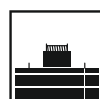
18 ft – 115 ft



57 ft – 230 ft



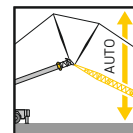
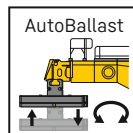
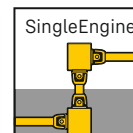
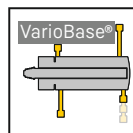
46 ft – 138 ft



211,600 lb



455 kW (619 h.p.)



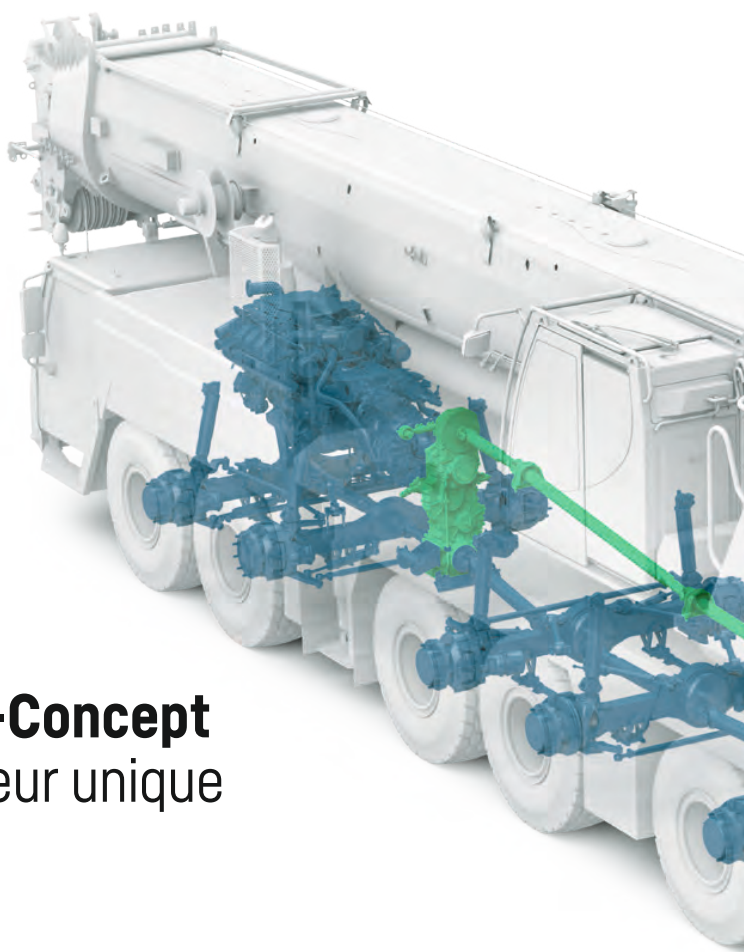
# Fuel saving and noise reduction

## Economie de carburant et réduction du bruit



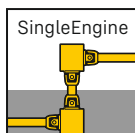
**Driving strategy in the carrier with ECO- or Power-mode to reduce noise and fuel**

L'adaptation du mode de déplacement avec le mode ECO ou le mode Puissance permet de réduire le niveau sonore et la consommation de carburant



# Innovative One-Engine-Concept

## Concept innovant à moteur unique



**Drive from chassis engine via a mechanical shaft with special high efficiency factor**

**Increased effectiveness and reduced maintenance expenditure**

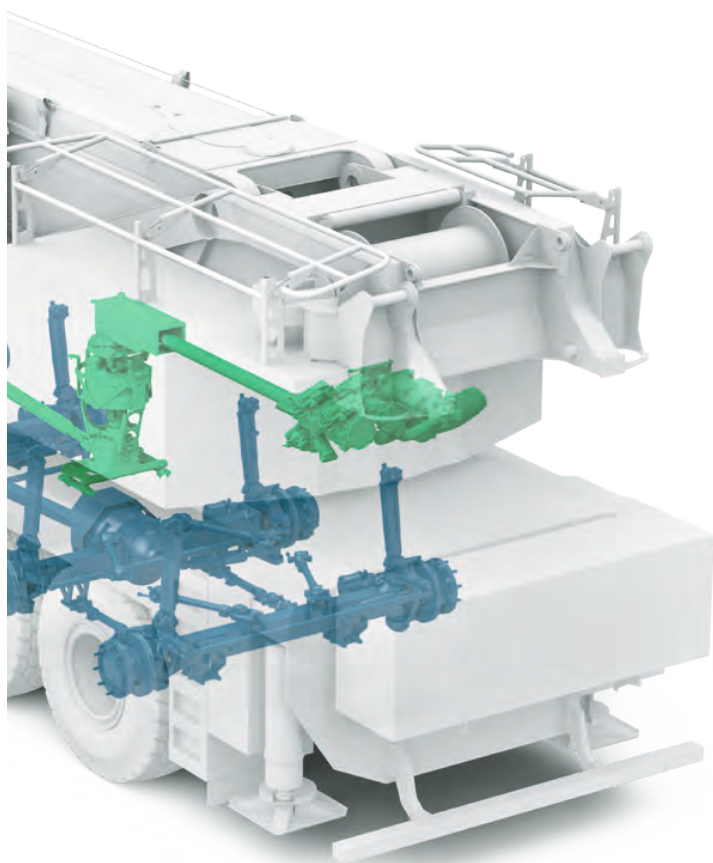
Entraînement du moteur du châssis par le biais d'un arbre mécanique particulièrement performant

Rentabilité accrue et entretien nettement réduit

## ECOmode

**Reduced fuel consumption due to automatic disengaging of the complete pump drive at engine idling with automatic speed adjustment**

Réduction de la consommation de carburant par désengagement automatique de l'entraînement complet de la pompe en mode ralenti avec adaptation automatique du régime





# Crane data

## Dates de la grue

### Hook block - Moufles à crochet

|  |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 403,450 lb                                                                        | 12                                                                                | 17                                                                                | 7,500 lb                                                                          |
| 298,700 lb                                                                        | 7                                                                                 | 12                                                                                | 3,750 lb                                                                          |
| 275,600 lb                                                                        | 5                                                                                 | 11                                                                                | 3,530 lb                                                                          |
| 176,400 lb                                                                        | 3                                                                                 | 7                                                                                 | 3,200 lb                                                                          |
| 79,800 lb                                                                         | 1                                                                                 | 3                                                                                 | 2,200 lb                                                                          |
| 26,900 lb                                                                         | -                                                                                 | 1                                                                                 | 1,100 lb                                                                          |

### Crane carrier - Châssis porteur

|  |  min. |  max. |  |  |  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 445/95 R 25 (16.00 R 25)                                                          | 2.13                                                                                   | 53                                                                                     | 50.7 %                                                                            |  | 12 / R2                                                                             |
| 525/80 R 25 (20.5 R 25)                                                           | 2.13                                                                                   | 53                                                                                     | 50.7 %                                                                            |                                                                                   |                                                                                     |

Theoretical gradeability - aptitude théorique en pente

### Max. supporting forces - Forces d'appui max.

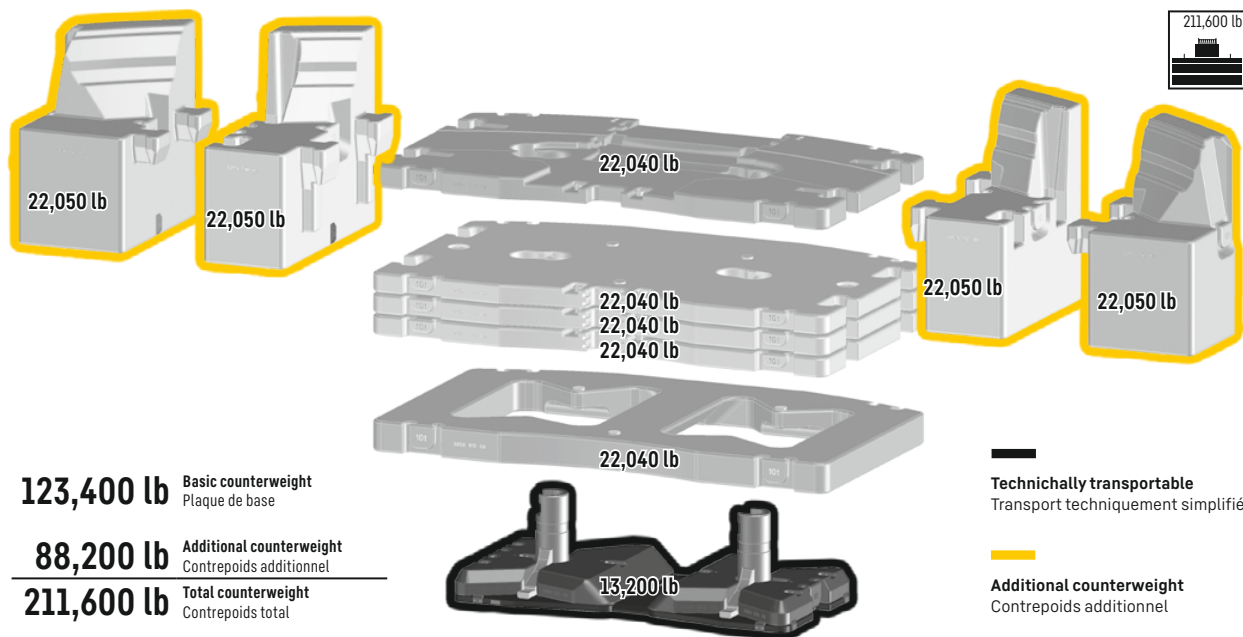
|  |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Fmax                                                                                | 246,000 lb                                                                          | 305,000 lb                                                                          |

### Crane superstructure - Partie tournante

|                                                                                                         |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  0 - 427 ft/min single line - au brin simple                                                            | 23 mm                                                                               | 984 ft                                                                              | 27,420 lb                                                                             |
|  0 - 417 ft/min single line - au brin simple                                                            | 23 mm                                                                               | 1525 ft                                                                             | 27,420 lb                                                                             |
|  0 - 1.6 rpm                                                                                            |                                                                                     |                                                                                     |                                                                                       |
|  approx. 80 seconds to reach 82° boom angle<br>env. 80 s jusqu'à 82°                                    |                                                                                     |                                                                                     |                                                                                       |
|  approx. 800 seconds for boom extension from 48 ft - 256 ft<br>env. 800 s pour passer de 48 ft - 256 ft |                                                                                     |                                                                                     |                                                                                       |

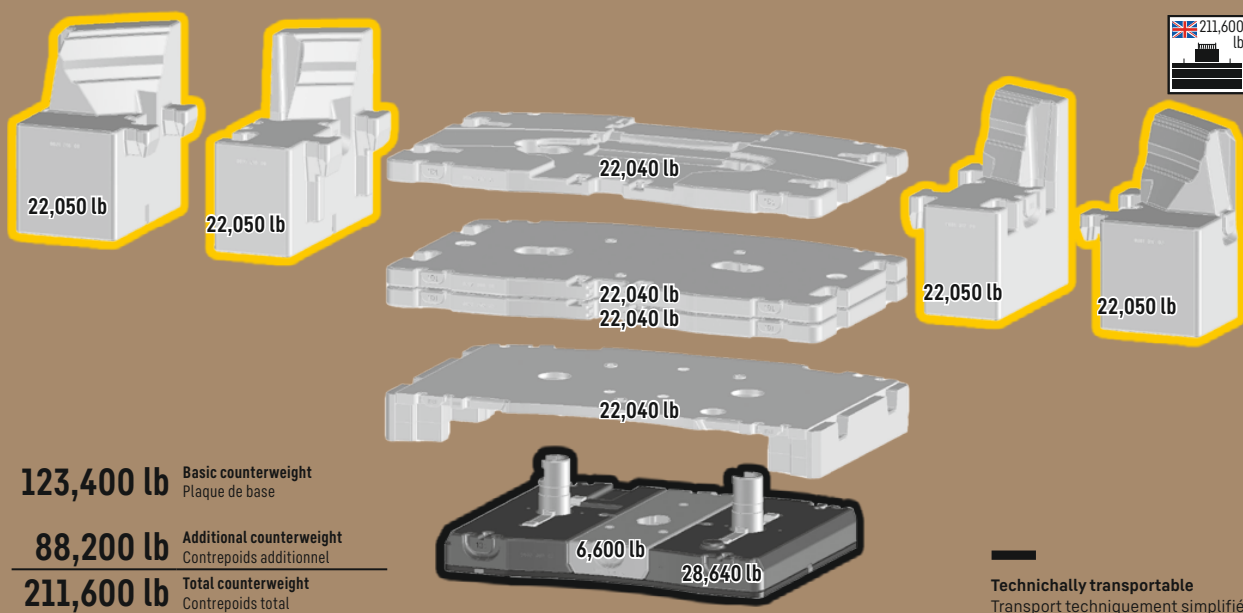
# Counterweight

## Contrepoids



# UK Counterweight – option

## UK Contrepoids – en option



# Fast, efficient set-up process

## Un montage d'équipement rapide et efficace



**1** Winch 2 secured to the ballast plate  
Treuil 2 fixé sur la plaque de lest



**2** Winch 2 is moved hydraulically towards the turntable frame  
Treuil 2 replié hydrauliquement vers le cadre de partie tournante



**3** The pulley block is moved towards winch 2 using BTT  
Palonnier de renvoi rabattu vers le treuil 2 avec le BTT



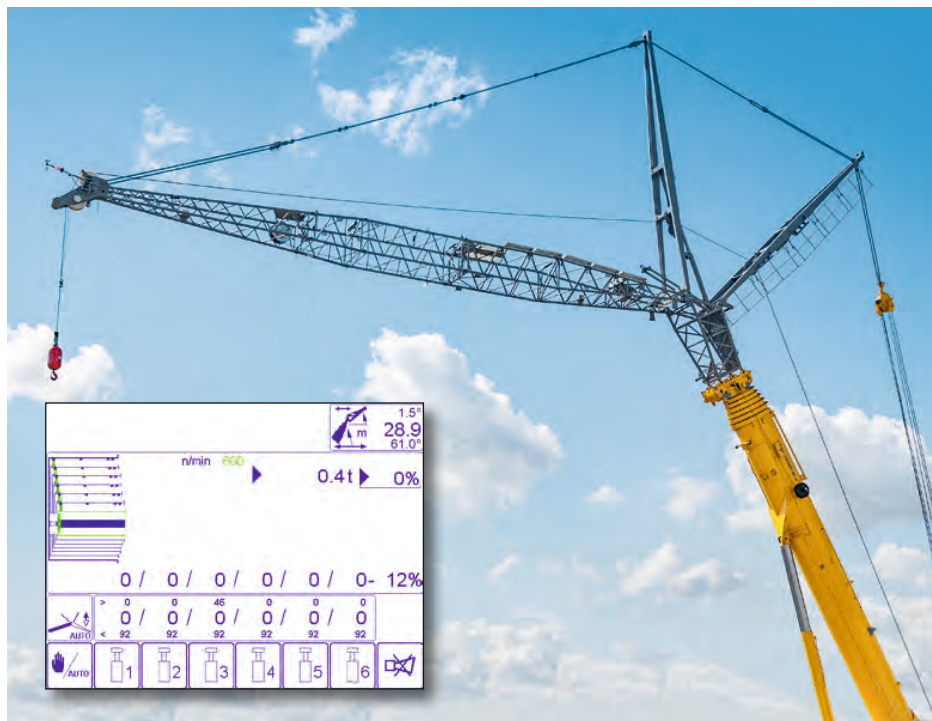
**4** Winch 2 is installed  
Treuil 2 monté

### Self-assembly of winch 2

The self-installation device on winch 2 ensures high efficiency. The winch can be installed without an additional crane in a matter of minutes. The remote control using the BTT Bluetooth Terminal is extremely convenient and provides clear lines of sight for the installation process.

### Treuil 2 à montage autonome

Le dispositif de montage autonome sur le treuil 2 assure un rendement élevé. Le treuil peut être monté sans grue externe et avec peu d'opérations manuelles. La commande à distance avec le terminal Bluetooth BTT est extrêmement confortable et garantit une vue dégagée sur la procédure de montage.



**Automised erection of the luffing jib. Dead easy operation relieves the crane driver and caters for increased safety**  
 Relevage automatisé de la fléchette à volée variable - un jeu d'enfant et une sécurité accrue pour le grutier

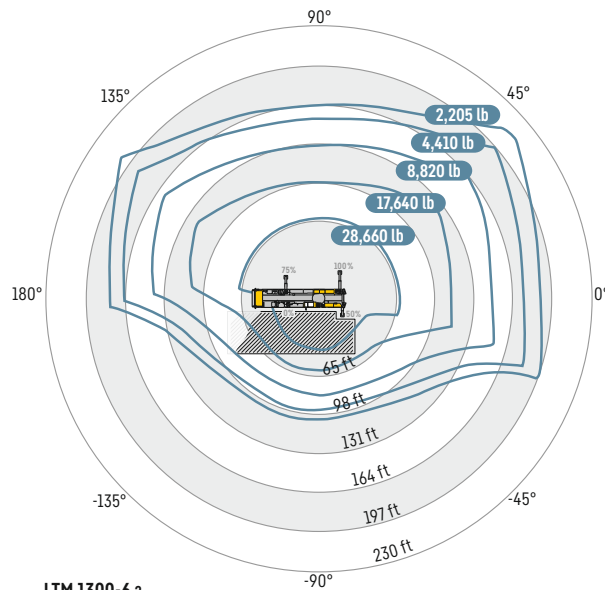
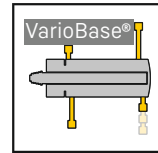


**Automatic ballasting by pressing a button**  
 Lestage automatique par simple pression d'un bouton





# VarioBase®

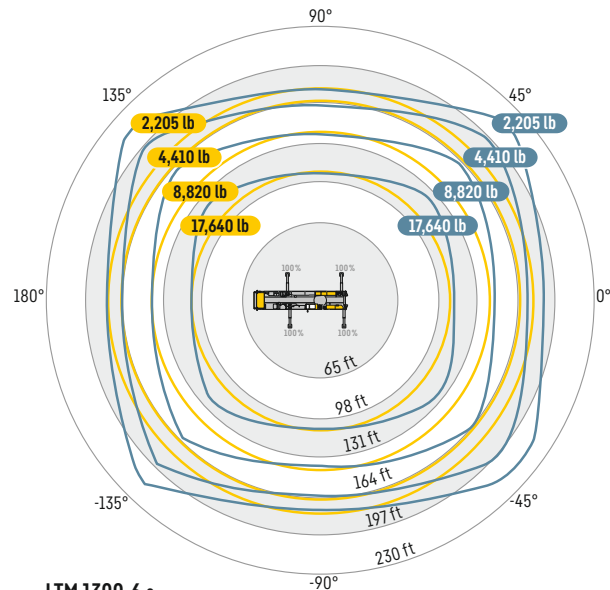


LTM 1300-6.2



Greater safety in constricted working conditions  
Plus de sécurité dans les zones de travail étroites

US3144.01



LTM 1300-6.2



Higher lifting capacity and larger working range  
Une capacité plus importante et une zone de travail plus large

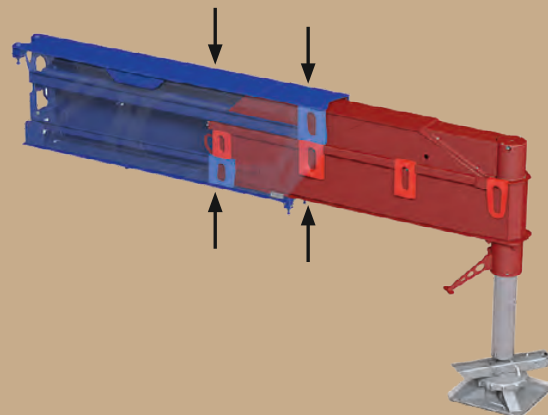
US3143.01

## Greater safety

The maximum lifting capacities are calculated individually and precisely for every situation. This ensures safe working practice with any chosen support base. The LTM 1300-6.2 has securing positions at 0%, 50%, 75% and 100%.

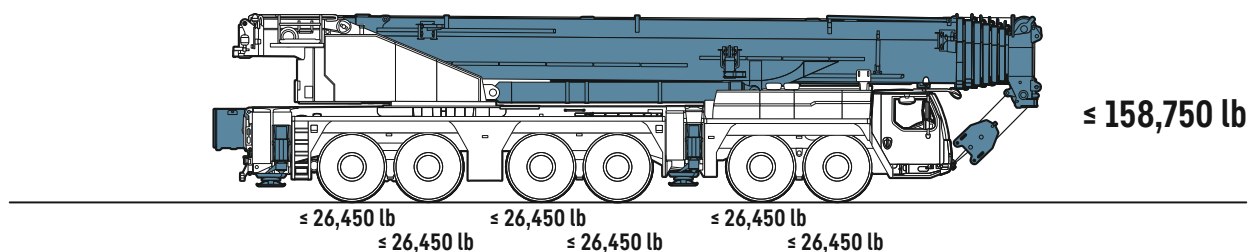
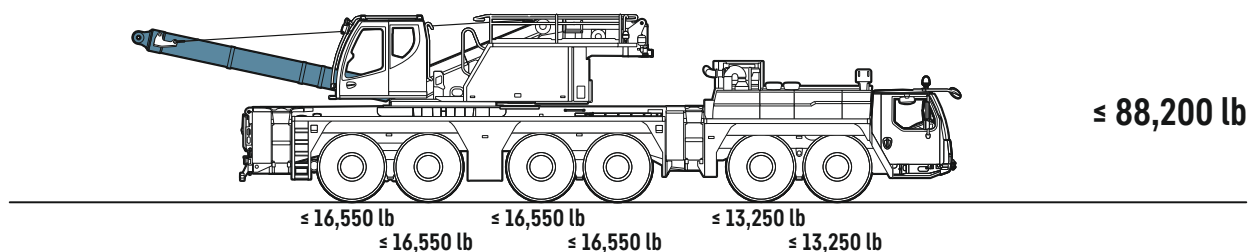
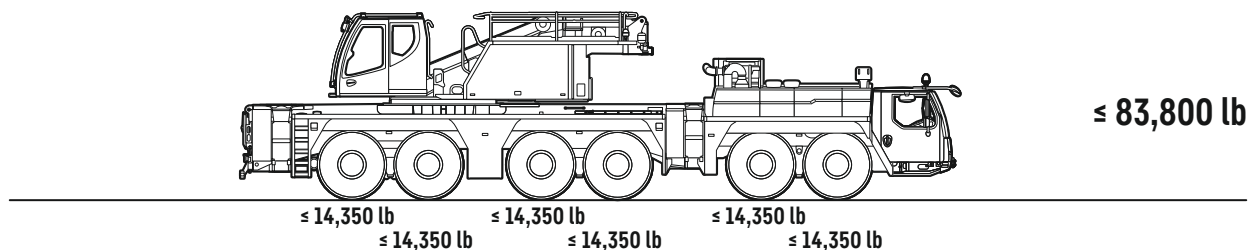
## Sécurité accrue

Les charges autorisées sont calculées individuellement et en fonction de la situation actuelle. Les opérations sont ainsi sécurisées avec chaque base de calage au choix. La LTM 1300-6.2 dispose de positions de verrouillage à 0%, 50%, 75% et 100%.



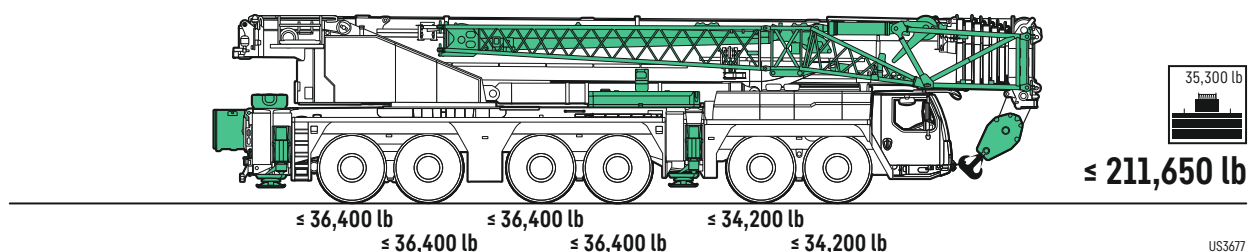
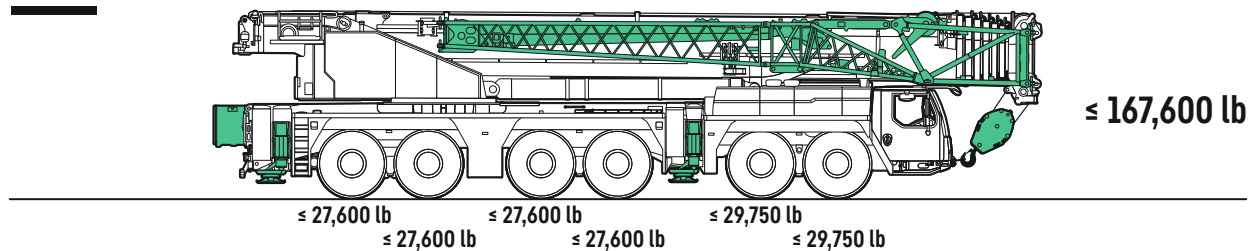
## On-road driving

### Déplacement sur route



## Jobsite driving

### Déplacement sur chantier



US3677

# Variable boom systems

## Systèmes de flèche variables

### Hose reel for hydraulic adjustment of the folding jib

Tambour à flexible pour le réglage hydraulique de la pointe repliable



### 18 ft 1 in integral erection jib, hydraulically adjustable

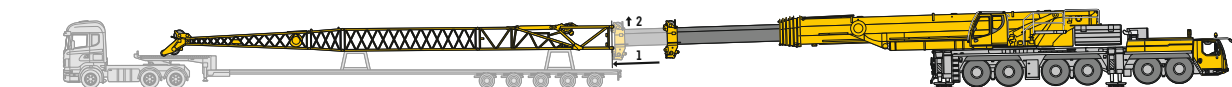
Fléchette de montage intégrée de 18 ft 1 in de long, à réglage hydraulique



### Self-assembly of the fixed jib

Montage autonome de la fléchette fixe

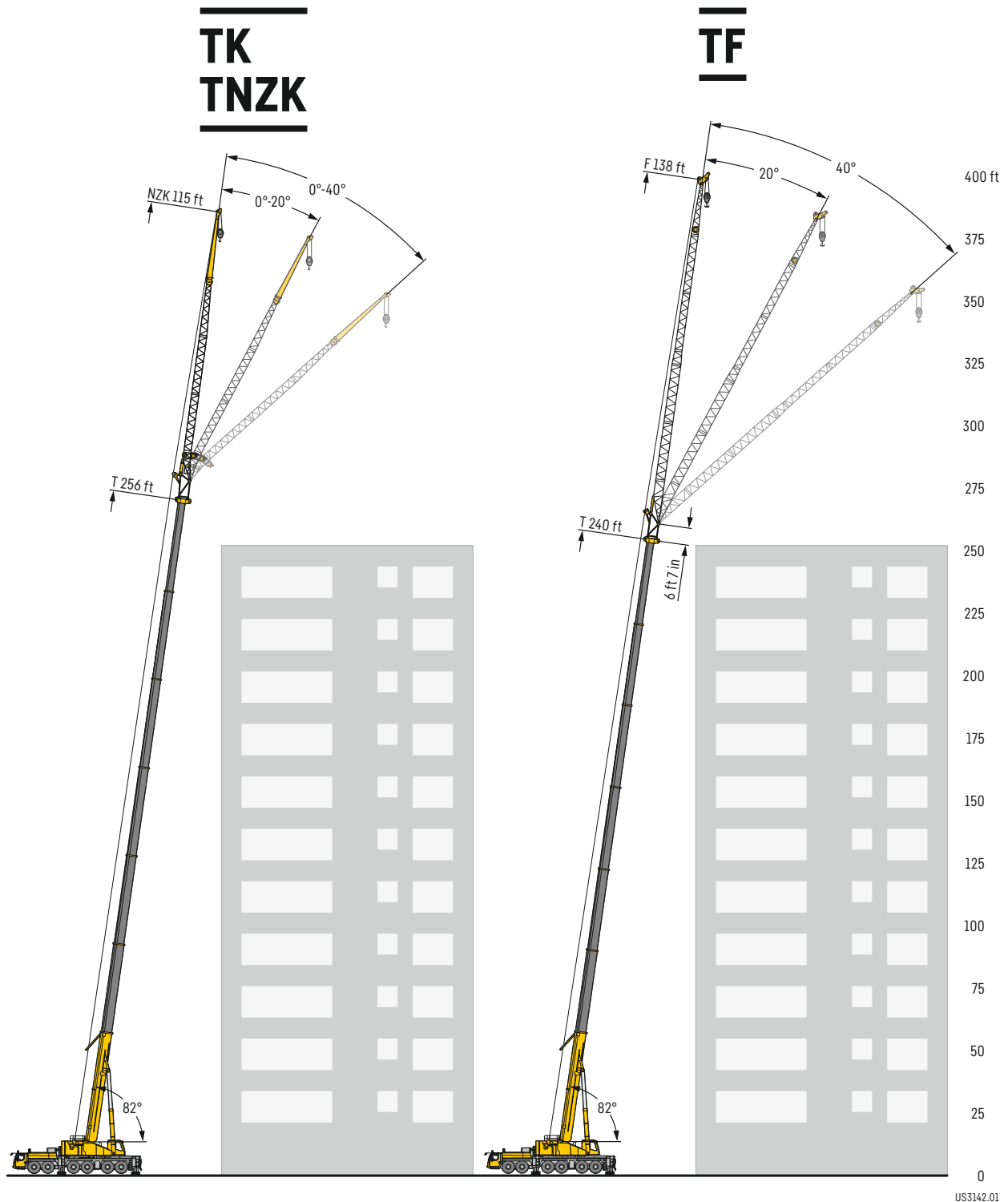
TF



S2945.01

# Variable boom systems

## Systèmes de flèche variables

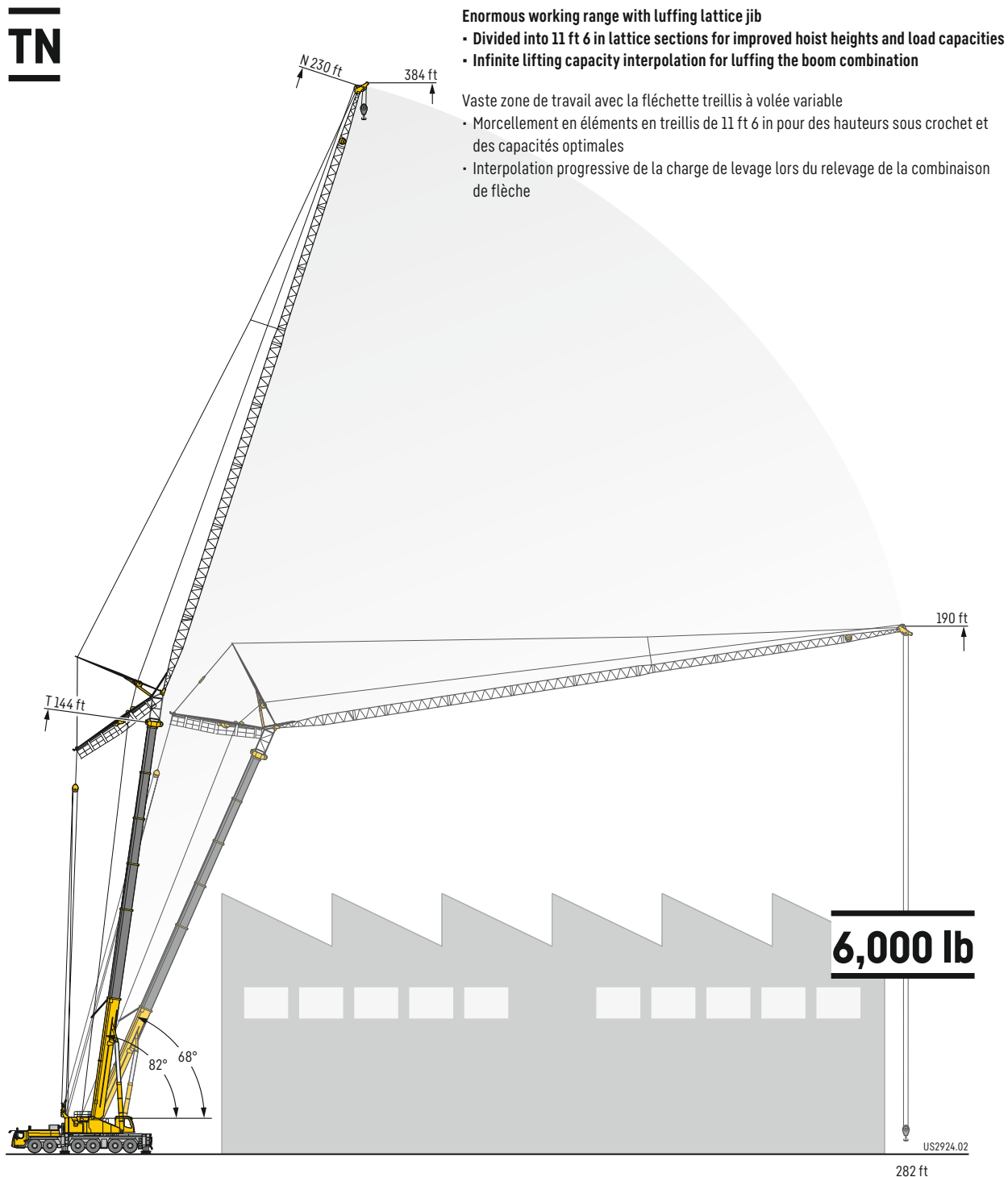




# Variable boom systems

## Systèmes de flèche variables

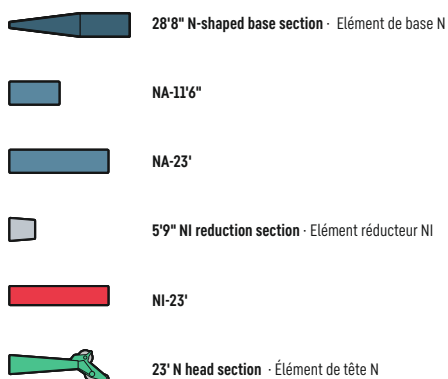
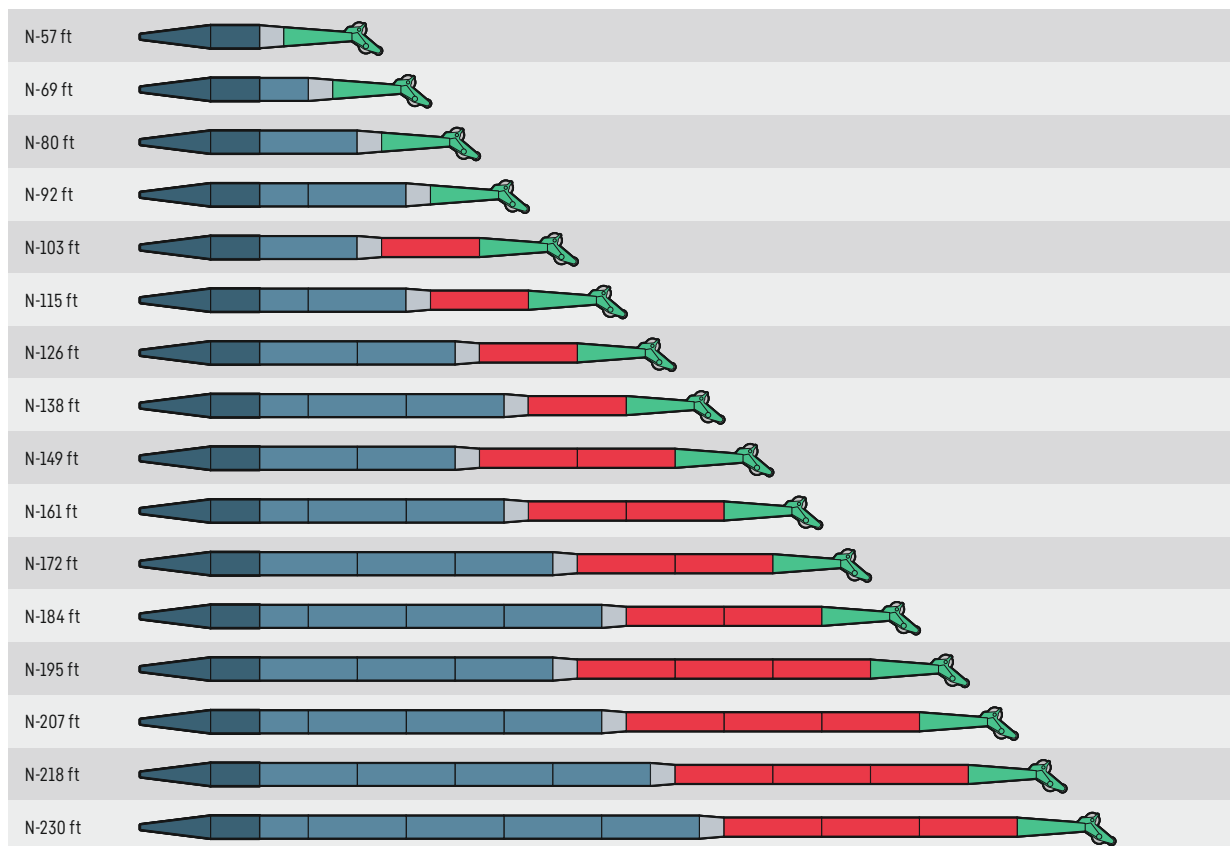
TN



Infinite lifting capacity interpolation · Interpolation progressive de la charge de levage

# Boom/jib combinations – Luffing fly jib

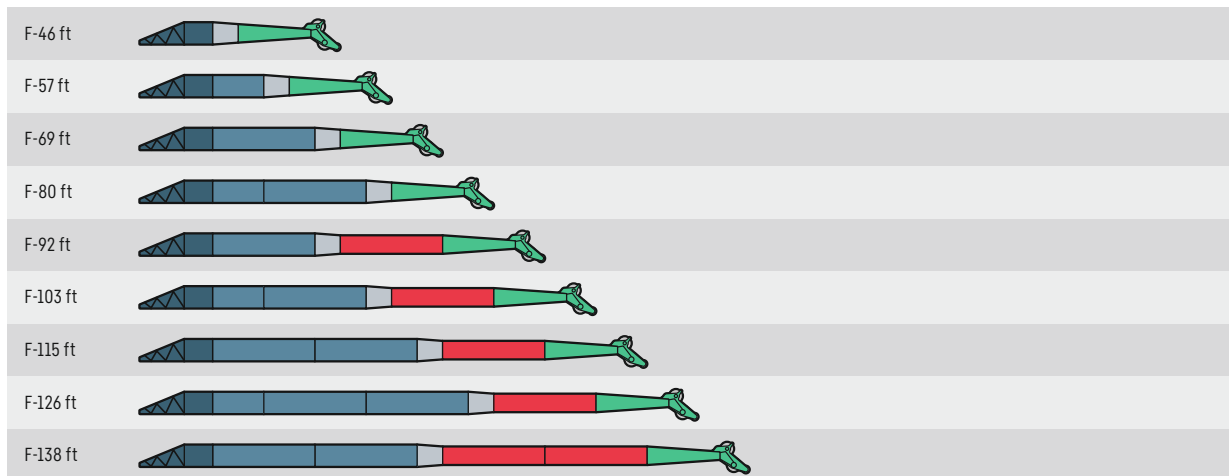
## Configurations de flèche – Fléchette à volée variable



US2750.01

# Boom/jib combinations – Luffing fly jib

## Configurations de flèche – Fléchette à volée variable



17'3" F-shaped base section · Élément de base F



NA-23'



NA-11'6"



5'9" NI reduction section · Élément réducteur NI

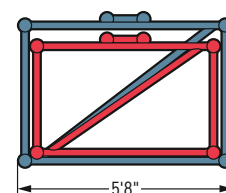
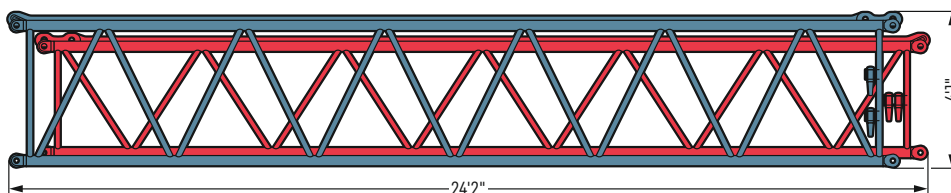


NI-23'



23' N head section · Élément de tête N

US2749.01



US2888.01

# Boom/jib combinations

## Configurations de flèche

**T** Telescopic boom • Flèche télescopique

**K/NZK** Mechanically/hydraulically adjustable folding jib  
Pointe pliante réglable mécaniquement/hydrauliquement

**F** Fixed lattice jib  
Fléchette treillis fixe

**N** Luffing fly jib  
Fléchette treillis à volée variable

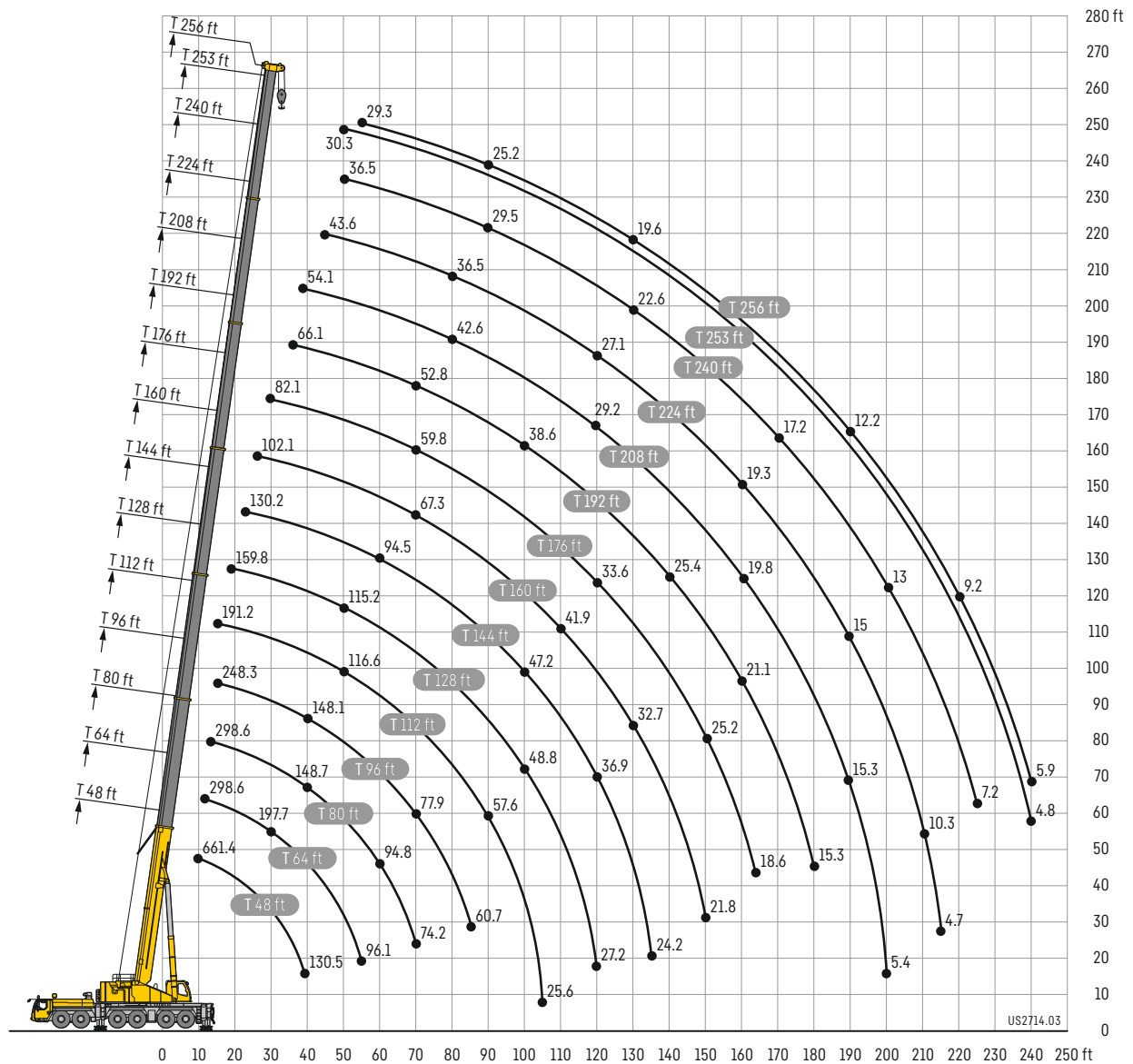


S2729.02



# Lifting heights

## Hauteurs de levage



# Lifting capacities

## Forces de levage

T



|  | 48 ft |       | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |  |
|-----------------------------------------------------------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|
|                                                                                   | *     |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |                                                                                     |
| 10                                                                                | 661.4 | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10                                                                                  |
| 11                                                                                | 504.2 | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11                                                                                  |
| 12                                                                                | 403.4 | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12                                                                                  |
| 13                                                                                | 385.2 | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13                                                                                  |
| 14                                                                                | 365.9 | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 14                                                                                  |
| 15                                                                                | 349.7 | 298.6 | 298.6 | 298.6 | 248.3 | 191.2  |        |        |        |        |        |        |        |        |        |        | 15                                                                                  |
| 16                                                                                | 332.8 | 298.6 | 298.6 | 290.6 | 247.8 | 198.4  |        |        |        |        |        |        |        |        |        |        | 16                                                                                  |
| 17                                                                                | 318   | 297.3 | 296.2 | 279.6 | 246.7 | 198    |        |        |        |        |        |        |        |        |        |        | 17                                                                                  |
| 18                                                                                | 307.3 | 293.5 | 287.2 | 272.7 | 245.5 | 197.6  |        |        |        |        |        |        |        |        |        |        | 18                                                                                  |
| 19                                                                                | 297.7 | 284.4 | 278.8 | 264.2 | 244.2 | 197.1  | 159.8  |        |        |        |        |        |        |        |        |        | 19                                                                                  |
| 20                                                                                | 288.4 | 274.8 | 270.9 | 256.3 | 241.9 | 196.2  | 159.3  |        |        |        |        |        |        |        |        |        | 20                                                                                  |
| 22                                                                                | 271.3 | 256.4 | 257.1 | 241.9 | 230.3 | 194.3  | 158.3  | 130.2  |        |        |        |        |        |        |        |        | 22                                                                                  |
| 24                                                                                | 255   | 239.4 | 241.2 | 229.6 | 217.8 | 192.3  | 157.4  | 129.7  |        |        |        |        |        |        |        |        | 24                                                                                  |
| 26                                                                                | 235.7 | 223   | 225   | 218.6 | 206.8 | 190.4  | 156.4  | 129.2  | 102.1  |        |        |        |        |        |        |        | 26                                                                                  |
| 28                                                                                | 218.2 | 208.6 | 210.6 | 208   | 197   | 186.8  | 155.4  | 128.6  | 101.9  |        |        |        |        |        |        |        | 28                                                                                  |
| 30                                                                                | 202.9 | 195.8 | 197.7 | 197.6 | 188.3 | 182.4  | 154.4  | 128    | 101.6  | 82.1   |        |        |        |        |        |        | 30                                                                                  |
| 32                                                                                | 189.4 | 184.2 | 186.1 | 186.5 | 180.4 | 174.6  | 153.2  | 127.4  | 101.2  | 82     |        |        |        |        |        |        | 32                                                                                  |
| 34                                                                                | 177.5 | 173.3 | 175.3 | 175.9 | 172.7 | 167.5  | 151.9  | 126.8  | 100.9  | 81.8   | 66.1   |        |        |        |        |        | 34                                                                                  |
| 36                                                                                | 166.8 | 163.6 | 165.4 | 166.1 | 165.2 | 161.1  | 150.5  | 126.1  | 100.5  | 81.5   | 65.8   |        |        |        |        |        | 36                                                                                  |
| 38                                                                                | 156   | 154.6 | 156.5 | 157.2 | 156.6 | 155.1  | 147.1  | 125.1  | 99.1   | 81.1   | 65.6   | 54.1   |        |        |        |        | 38                                                                                  |
| 40                                                                                | 130.5 | 130.5 | 148   | 148.7 | 148.1 | 148.7  | 142.2  | 123.9  | 97.6   | 80.6   | 65.4   | 53.9   |        |        |        |        | 40                                                                                  |
| 45                                                                                |       |       | 130   | 130.1 | 132.1 | 131.7  | 129.4  | 120.6  | 92.3   | 78.6   | 64.6   | 53.4   | 43.6   |        |        |        | 45                                                                                  |
| 50                                                                                |       |       | 115.9 | 117.4 | 117.5 | 116.6  | 115.2  | 114.3  | 86.4   | 75.4   | 63.3   | 52.9   | 43.3   | 36.5   | 30.3   |        | 50                                                                                  |
| 55                                                                                |       |       | 96.1  | 105.1 | 105.2 | 104.3  | 104.9  | 104.3  | 81.2   | 71.2   | 61.2   | 52.1   | 42.5   | 36.1   | 30.1   | 29.3   | 55                                                                                  |
| 60                                                                                |       |       |       | 94.8  | 94.8  | 93.9   | 96.1   | 94.5   | 76.2   | 67.3   | 58.4   | 50.5   | 41.5   | 35.4   | 29.9   | 29.2   | 60                                                                                  |
| 65                                                                                |       |       |       | 85.7  | 85.7  | 84.7   | 86.9   | 85.4   | 71.5   | 63.5   | 55.5   | 48.5   | 40.4   | 34.6   | 29.4   | 28.8   | 65                                                                                  |
| 70                                                                                |       |       |       | 74.2  | 77.9  | 78.8   | 79.1   | 77.6   | 67.3   | 59.8   | 52.8   | 46.5   | 39.1   | 33.7   | 28.8   | 28.4   | 70                                                                                  |
| 75                                                                                |       |       |       |       | 71.1  | 73.3   | 72.3   | 70.8   | 63.3   | 56.2   | 50.1   | 44.5   | 37.8   | 32.7   | 28     | 27.7   | 75                                                                                  |
| 80                                                                                |       |       |       |       | 65.3  | 67.4   | 66.4   | 64.8   | 59.6   | 53.1   | 47.5   | 42.6   | 36.5   | 31.6   | 27.1   | 26.8   | 80                                                                                  |
| 85                                                                                |       |       |       |       | 60.7  | 62.2   | 61.2   | 59.6   | 56.2   | 50.1   | 45.1   | 40.6   | 35.3   | 30.5   | 26.3   | 26     | 85                                                                                  |
| 90                                                                                |       |       |       |       |       | 57.6   | 56.6   | 55     | 52.8   | 47.3   | 42.9   | 38.7   | 34     | 29.5   | 25.4   | 25.2   | 90                                                                                  |
| 95                                                                                |       |       |       |       |       | 53.6   | 52.5   | 50.9   | 49.3   | 44.9   | 40.7   | 36.9   | 32.8   | 28.6   | 24.6   | 24.4   | 95                                                                                  |
| 100                                                                               |       |       |       |       |       | 49.3   | 48.8   | 47.2   | 45.7   | 42.5   | 38.6   | 35.2   | 31.6   | 27.6   | 23.8   | 23.6   | 100                                                                                 |
| 105                                                                               |       |       |       |       |       | 25.6   | 45.5   | 43.9   | 43.4   | 40.1   | 36.8   | 33.6   | 30.5   | 26.7   | 23     | 22.9   | 105                                                                                 |
| 110                                                                               |       |       |       |       |       |        | 42.5   | 40.9   | 41.9   | 38.1   | 34.9   | 32.1   | 29.3   | 25.7   | 22.3   | 22.2   | 110                                                                                 |
| 115                                                                               |       |       |       |       |       |        | 39.5   | 38.1   | 39.7   | 36     | 33.1   | 30.6   | 28.2   | 25     | 21.5   | 21.5   | 115                                                                                 |
| 120                                                                               |       |       |       |       |       |        | 27.2   | 36.9   | 37.2   | 33.6   | 31.5   | 29.2   | 27.1   | 24.2   | 20.9   | 20.8   | 120                                                                                 |
| 125                                                                               |       |       |       |       |       |        |        | 35.9   | 34.9   | 32.1   | 30.1   | 27.9   | 26     | 23.4   | 20.2   | 20.2   | 125                                                                                 |
| 130                                                                               |       |       |       |       |       |        |        | 34.3   | 32.7   | 30.7   | 28.6   | 26.5   | 25     | 22.6   | 19.6   | 19.6   | 130                                                                                 |
| 135                                                                               |       |       |       |       |       |        |        | 24.2   | 30.7   | 28.7   | 27.1   | 25.4   | 23.9   | 22     | 19     | 19     | 135                                                                                 |
| 140                                                                               |       |       |       |       |       |        |        |        | 28.9   | 26.9   | 25.4   | 24.2   | 22.9   | 21.3   | 18.4   | 18.4   | 140                                                                                 |
| 145                                                                               |       |       |       |       |       |        |        |        | 27     | 25.9   | 24.3   | 23.1   | 22     | 20.6   | 17.8   | 17.7   | 145                                                                                 |
| 150                                                                               |       |       |       |       |       |        |        |        | 21.8   | 25.2   | 23.3   | 22.1   | 21.1   | 20     | 17.3   | 17.1   | 150                                                                                 |
| 155                                                                               |       |       |       |       |       |        |        |        |        | 24.7   | 22.4   | 21.1   | 20.2   | 19.3   | 16.7   | 16.5   | 155                                                                                 |
| 160                                                                               |       |       |       |       |       |        |        |        |        | 23.4   | 21.1   | 19.8   | 19.3   | 18.6   | 16.2   | 15.8   | 160                                                                                 |
| 165                                                                               |       |       |       |       |       |        |        |        |        | 18.6   | 19.8   | 19.1   | 18.5   | 17.9   | 15.6   | 15.2   | 165                                                                                 |
| 170                                                                               |       |       |       |       |       |        |        |        |        |        | 19.1   | 18.4   | 17.8   | 17.2   | 15.1   | 14.6   | 170                                                                                 |
| 175                                                                               |       |       |       |       |       |        |        |        |        |        | 18.7   | 17.8   | 16.9   | 16.5   | 14.6   | 14     | 175                                                                                 |
| 180                                                                               |       |       |       |       |       |        |        |        |        |        | 15.3   | 17.1   | 16     | 15.9   | 14.2   | 13.3   | 180                                                                                 |
| 185                                                                               |       |       |       |       |       |        |        |        |        |        |        | 16.2   | 15.5   | 15.3   | 13.7   | 12.7   | 185                                                                                 |
| 190                                                                               |       |       |       |       |       |        |        |        |        |        |        | 15.3   | 15     | 14.6   | 13.2   | 12.2   | 190                                                                                 |
| 195                                                                               |       |       |       |       |       |        |        |        |        |        |        | 13.2   | 14.6   | 13.9   | 12.8   | 11.6   | 195                                                                                 |
| 200                                                                               |       |       |       |       |       |        |        |        |        |        |        | 5.4    | 14.2   | 13     | 12.3   | 11.1   | 200                                                                                 |
| 205                                                                               |       |       |       |       |       |        |        |        |        |        |        |        | 13.5   | 12.2   | 11.9   | 10.6   | 205                                                                                 |
| 210                                                                               |       |       |       |       |       |        |        |        |        |        |        |        | 10.3   | 11.4   | 10.1   | 10.1   | 210                                                                                 |
| 215                                                                               |       |       |       |       |       |        |        |        |        |        |        |        | 4.7    | 10.7   | 10.9   | 9.6    | 215                                                                                 |
| 220                                                                               |       |       |       |       |       |        |        |        |        |        |        |        |        | 9.9    | 10.2   | 9.2    | 220                                                                                 |
| 225                                                                               |       |       |       |       |       |        |        |        |        |        |        |        |        | 7.2    | 9.5    | 8.7    | 225                                                                                 |
| 230                                                                               |       |       |       |       |       |        |        |        |        |        |        |        |        |        | 8.8    | 8.3    | 230                                                                                 |
| 235                                                                               |       |       |       |       |       |        |        |        |        |        |        |        |        |        | 7.6    | 7.9    | 235                                                                                 |
| 240                                                                               |       |       |       |       |       |        |        |        |        |        |        |        |        |        | 4.8    | 5.9    | 240                                                                                 |

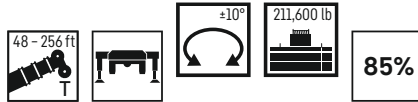
\* over rear - en arrière

t\_240\_001\_50001\_00\_000 / 001\_50301\_00\_000

# Lifting capacities

## Forces de levage

T



|     | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |     |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10  | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10  |
| 11  | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11  |
| 12  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12  |
| 13  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13  |
| 14  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 14  |
| 15  | 298.6 | 298.6 | 298.6 | 248.3 | 191.2  |        |        |        |        |        |        |        |        |        |        | 15  |
| 16  | 298.6 | 298.6 | 290.6 | 247.8 | 198.4  |        |        |        |        |        |        |        |        |        |        | 16  |
| 17  | 298.6 | 296.2 | 279.6 | 246.7 | 198    |        |        |        |        |        |        |        |        |        |        | 17  |
| 18  | 298.6 | 287.2 | 272.7 | 245.5 | 197.6  |        |        |        |        |        |        |        |        |        |        | 18  |
| 19  | 294.9 | 278.8 | 264.2 | 244.2 | 197.1  | 159.8  |        |        |        |        |        |        |        |        |        | 19  |
| 20  | 288.4 | 270.9 | 256.3 | 241.9 | 196.2  | 159.3  |        |        |        |        |        |        |        |        |        | 20  |
| 22  | 271.3 | 257.2 | 241.9 | 230.3 | 194.3  | 158.3  | 130.2  |        |        |        |        |        |        |        |        | 22  |
| 24  | 255   | 242.8 | 229.6 | 217.8 | 192.3  | 157.4  | 129.7  |        |        |        |        |        |        |        |        | 24  |
| 26  | 235.7 | 230.1 | 218.6 | 206.8 | 190.4  | 156.4  | 129.2  | 102.1  |        |        |        |        |        |        |        | 26  |
| 28  | 218.2 | 218.3 | 208   | 197   | 186.8  | 155.4  | 128.6  | 101.9  |        |        |        |        |        |        |        | 28  |
| 30  | 202.9 | 205.1 | 198   | 188.3 | 182.4  | 154.4  | 128    | 101.6  | 82.1   |        |        |        |        |        |        | 30  |
| 32  | 189.4 | 191.5 | 188.9 | 180.4 | 174.6  | 153.2  | 127.4  | 101.2  | 82     |        |        |        |        |        |        | 32  |
| 34  | 177.5 | 179.5 | 179.5 | 172.7 | 167.5  | 151.9  | 126.8  | 100.9  | 81.8   | 66.1   |        |        |        |        |        | 34  |
| 36  | 166.8 | 168.7 | 169.5 | 165.2 | 161.1  | 150.5  | 126.1  | 100.5  | 81.5   | 65.8   |        |        |        |        |        | 36  |
| 38  | 156   | 159.1 | 159.8 | 158.1 | 155.1  | 147.1  | 125.1  | 99.1   | 81.1   | 65.6   | 54.1   |        |        |        |        | 38  |
| 40  | 130.5 | 150.5 | 151.1 | 150.6 | 149.2  | 142.2  | 123.9  | 97.6   | 80.6   | 65.4   | 53.9   |        |        |        |        | 40  |
| 45  |       | 131.9 | 132.6 | 132.2 | 133.9  | 130.1  | 120.6  | 92.3   | 78.6   | 64.6   | 53.4   | 43.6   |        |        |        | 45  |
| 50  |       | 118.4 | 117.6 | 119.9 | 119    | 117.7  | 115.2  | 86.4   | 75.4   | 63.3   | 52.9   | 43.3   | 36.5   | 30.3   |        | 50  |
| 55  |       | 96.1  | 107.6 | 107.6 | 106.8  | 105.5  | 106.9  | 81.2   | 71.2   | 61.2   | 52.1   | 42.5   | 36.1   | 30.1   | 29.3   | 55  |
| 60  |       |       | 97.3  | 97.4  | 96.5   | 98     | 97.1   | 76.2   | 67.3   | 58.4   | 50.5   | 41.5   | 35.4   | 29.9   | 29.2   | 60  |
| 65  |       |       | 88.4  | 88.4  | 87.4   | 89.6   | 88.1   | 71.5   | 63.5   | 55.5   | 48.5   | 40.4   | 34.6   | 29.4   | 28.8   | 65  |
| 70  |       |       | 74.2  | 80.6  | 79.6   | 81.8   | 80.3   | 67.3   | 59.8   | 52.8   | 46.5   | 39.1   | 33.7   | 28.8   | 28.4   | 70  |
| 75  |       |       |       | 73.8  | 74     | 74.9   | 73.5   | 63.3   | 56.2   | 50.1   | 44.5   | 37.8   | 32.7   | 28     | 27.7   | 75  |
| 80  |       |       |       | 68    | 69.8   | 69     | 67.5   | 59.6   | 53.1   | 47.5   | 42.6   | 36.5   | 31.6   | 27.1   | 26.8   | 80  |
| 85  |       |       |       | 60.7  | 64.8   | 63.8   | 62.2   | 56.2   | 50.1   | 45.1   | 40.6   | 35.3   | 30.5   | 26.3   | 26     | 85  |
| 90  |       |       |       |       | 60.2   | 59.1   | 57.6   | 52.8   | 47.3   | 42.9   | 38.7   | 34     | 29.5   | 25.4   | 25.2   | 90  |
| 95  |       |       |       |       | 56.1   | 55     | 53.4   | 49.5   | 44.9   | 40.7   | 36.9   | 32.8   | 28.6   | 24.6   | 24.4   | 95  |
| 100 |       |       |       |       | 49.3   | 51.3   | 49.7   | 46.9   | 42.5   | 38.6   | 35.2   | 31.6   | 27.6   | 23.8   | 23.6   | 100 |
| 105 |       |       |       |       | 25.6   | 47.9   | 46.3   | 44.3   | 40.1   | 36.8   | 33.6   | 30.5   | 26.7   | 23     | 22.9   | 105 |
| 110 |       |       |       |       |        | 44.9   | 43.2   | 41.9   | 38.1   | 34.9   | 32.1   | 29.3   | 25.7   | 22.3   | 22.2   | 110 |
| 115 |       |       |       |       |        | 39.6   | 40.4   | 40.6   | 36.2   | 33.1   | 30.6   | 28.2   | 25     | 21.5   | 21.5   | 115 |
| 120 |       |       |       |       |        | 27.2   | 37.9   | 39.2   | 34.4   | 31.5   | 29.2   | 27.1   | 24.2   | 20.9   | 20.8   | 120 |
| 125 |       |       |       |       |        |        | 35.9   | 37     | 32.7   | 30.1   | 27.9   | 26     | 23.4   | 20.2   | 20.2   | 125 |
| 130 |       |       |       |       |        |        | 34.7   | 34.9   | 31.1   | 28.6   | 26.5   | 25     | 22.6   | 19.6   | 19.6   | 130 |
| 135 |       |       |       |       |        |        | 24.2   | 32.9   | 29.3   | 27.2   | 25.4   | 23.9   | 22     | 19     | 19     | 135 |
| 140 |       |       |       |       |        |        |        | 31     | 27.9   | 26     | 24.2   | 22.9   | 21.3   | 18.4   | 18.4   | 140 |
| 145 |       |       |       |       |        |        |        | 27.5   | 26.8   | 24.8   | 23.1   | 22     | 20.6   | 17.8   | 17.7   | 145 |
| 150 |       |       |       |       |        |        |        | 21.8   | 25.6   | 23.6   | 22.1   | 21.1   | 20     | 17.3   | 17.1   | 150 |
| 155 |       |       |       |       |        |        |        |        | 24.7   | 22.6   | 21.1   | 20.2   | 19.3   | 16.7   | 16.5   | 155 |
| 160 |       |       |       |       |        |        |        |        | 24     | 21.6   | 20.2   | 19.3   | 18.6   | 16.2   | 15.8   | 160 |
| 165 |       |       |       |       |        |        |        |        | 18.6   | 20.8   | 19.3   | 18.5   | 17.9   | 15.6   | 15.2   | 165 |
| 170 |       |       |       |       |        |        |        |        |        | 20     | 18.5   | 17.8   | 17.2   | 15.1   | 14.6   | 170 |
| 175 |       |       |       |       |        |        |        |        |        | 18.7   | 17.8   | 17     | 16.5   | 14.6   | 14     | 175 |
| 180 |       |       |       |       |        |        |        |        |        | 15.3   | 17.2   | 16.3   | 15.9   | 14.2   | 13.3   | 180 |
| 185 |       |       |       |       |        |        |        |        |        |        | 16.6   | 15.6   | 15.3   | 13.7   | 12.7   | 185 |
| 190 |       |       |       |       |        |        |        |        |        |        | 15.7   | 15     | 14.6   | 13.2   | 12.2   | 190 |
| 195 |       |       |       |       |        |        |        |        |        |        | 13.2   | 14.6   | 14     | 12.8   | 11.6   | 195 |
| 200 |       |       |       |       |        |        |        |        |        |        | 5.4    | 14.2   | 13.5   | 12.3   | 11.1   | 200 |
| 205 |       |       |       |       |        |        |        |        |        |        |        | 13.7   | 13     | 11.9   | 10.6   | 205 |
| 210 |       |       |       |       |        |        |        |        |        |        |        | 10.3   | 12.5   | 11.4   | 10.1   | 210 |
| 215 |       |       |       |       |        |        |        |        |        |        |        | 4.7    | 11.8   | 11     | 9.6    | 215 |
| 220 |       |       |       |       |        |        |        |        |        |        |        |        | 10.3   | 10.6   | 9.2    | 220 |
| 225 |       |       |       |       |        |        |        |        |        |        |        |        | 7.2    | 10.2   | 8.7    | 225 |
| 230 |       |       |       |       |        |        |        |        |        |        |        |        |        | 9.6    | 8.3    | 230 |
| 235 |       |       |       |       |        |        |        |        |        |        |        |        |        | 7.6    | 7.9    | 235 |
| 240 |       |       |       |       |        |        |        |        |        |        |        |        |        | 4.8    | 5.9    | 240 |

t\_240\_001\_50201\_00\_000

# Lifting capacities

## Forces de levage

T



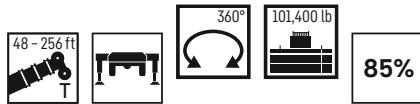
|     | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |     |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10  | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10  |
| 11  | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11  |
| 12  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12  |
| 13  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13  |
| 14  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 14  |
| 15  | 298.6 | 298.6 | 298.6 | 248.3 | 191.2  |        |        |        |        |        |        |        |        |        |        | 15  |
| 16  | 298.6 | 298.6 | 290.6 | 247.8 | 198.4  |        |        |        |        |        |        |        |        |        |        | 16  |
| 17  | 294.7 | 296.2 | 279.6 | 246.7 | 198    |        |        |        |        |        |        |        |        |        |        | 17  |
| 18  | 283.8 | 284.5 | 272.7 | 245.5 | 197.6  |        |        |        |        |        |        |        |        |        |        | 18  |
| 19  | 272.1 | 272.9 | 264.2 | 244.2 | 197.1  | 159.8  |        |        |        |        |        |        |        |        |        | 19  |
| 20  | 260.7 | 262.7 | 256.3 | 241.9 | 196.2  | 159.3  |        |        |        |        |        |        |        |        |        | 20  |
| 22  | 239.6 | 241.8 | 241.8 | 230.3 | 194.3  | 158.3  | 130.2  |        |        |        |        |        |        |        |        | 22  |
| 24  | 220.5 | 222.6 | 223.1 | 217.7 | 192.3  | 157.4  | 129.7  |        |        |        |        |        |        |        |        | 24  |
| 26  | 202.5 | 204.9 | 205.8 | 204.4 | 190.4  | 156.4  | 129.2  | 102.1  |        |        |        |        |        |        |        | 26  |
| 28  | 187   | 189.3 | 190.1 | 189.2 | 186    | 155.4  | 128.6  | 101.9  |        |        |        |        |        |        |        | 28  |
| 30  | 173.4 | 176.4 | 176.2 | 178.5 | 173.9  | 154.4  | 128    | 101.6  | 82.1   |        |        |        |        |        |        | 30  |
| 32  | 160.9 | 164.8 | 166.5 | 166.7 | 162.4  | 152.7  | 127.4  | 101.2  | 82     |        |        |        |        |        |        | 32  |
| 34  | 149.3 | 153.3 | 155.1 | 155.4 | 152.1  | 145.3  | 126.8  | 100.9  | 81.8   | 66.1   |        |        |        |        |        | 34  |
| 36  | 139.1 | 142.9 | 144.9 | 144.8 | 143    | 136.7  | 126.1  | 100.5  | 81.5   | 65.8   |        |        |        |        |        | 36  |
| 38  | 130   | 133.8 | 135.7 | 135.9 | 134.6  | 131.9  | 124.2  | 99.1   | 81.1   | 65.6   | 54.1   |        |        |        |        | 38  |
| 40  | 121.9 | 125.7 | 127.4 | 127.6 | 126.6  | 126    | 120.3  | 97.6   | 80.6   | 65.4   | 53.9   |        |        |        |        | 40  |
| 45  |       | 108.4 | 110.2 | 110.2 | 111.7  | 110.3  | 104.3  | 92.3   | 78.6   | 64.6   | 53.4   | 43.6   |        |        |        | 45  |
| 50  |       | 93.2  | 95.2  | 96.8  | 98.1   | 96.2   | 90.7   | 85.3   | 75.4   | 63.3   | 52.9   | 43.3   | 36.5   | 30.3   |        | 50  |
| 55  |       | 79.9  | 81.9  | 85.1  | 84.8   | 83.7   | 79.6   | 75.8   | 70.9   | 61.2   | 52.1   | 42.5   | 36.1   | 30.1   | 29.3   | 55  |
| 60  |       |       | 73    | 74.1  | 73.8   | 72.7   | 70.9   | 67.8   | 63.7   | 58.4   | 50.5   | 41.5   | 35.4   | 29.9   | 29.2   | 60  |
| 65  |       |       | 64.4  | 65.2  | 64.9   | 63.7   | 62.5   | 61.4   | 58     | 54.3   | 48.5   | 40.4   | 34.6   | 29.4   | 28.8   | 65  |
| 70  |       |       | 57.2  | 57.9  | 57.6   | 56.5   | 56.5   | 56.5   | 52.6   | 48.8   | 46     | 39.1   | 33.7   | 28.8   | 28.4   | 70  |
| 75  |       |       |       | 51.8  | 51.5   | 50.3   | 52     | 50.6   | 47.3   | 45.9   | 42.7   | 37.8   | 32.7   | 28     | 27.7   | 75  |
| 80  |       |       |       | 46.7  | 46.3   | 46.8   | 47.2   | 45.4   | 42.7   | 41.8   | 38.6   | 36.5   | 31.6   | 27.1   | 26.8   | 80  |
| 85  |       |       |       | 42.4  | 41.9   | 43.9   | 42.7   | 40.9   | 39.9   | 37.9   | 36     | 34.3   | 30.5   | 26.3   | 26     | 85  |
| 90  |       |       |       |       | 38.6   | 40     | 38.8   | 37.5   | 37.7   | 34.5   | 34.1   | 31.7   | 29.5   | 25.4   | 25.2   | 90  |
| 95  |       |       |       |       | 36.9   | 36.6   | 35.4   | 34.3   | 34.7   | 32.7   | 31.6   | 29.1   | 28.5   | 24.6   | 24.4   | 95  |
| 100 |       |       |       |       | 34.2   | 33.7   | 32.4   | 32.8   | 31.7   | 30.9   | 28.9   | 28     | 27     | 23.8   | 23.6   | 100 |
| 105 |       |       |       |       | 25.6   | 31     | 30.1   | 30.7   | 29.1   | 29.4   | 27.1   | 26.5   | 25.1   | 23     | 22.9   | 105 |
| 110 |       |       |       |       |        | 28.6   | 28.3   | 28.3   | 27.2   | 27     | 25.9   | 24.7   | 23     | 22     | 22     | 110 |
| 115 |       |       |       |       |        | 26.5   | 27.2   | 26.2   | 26     | 24.8   | 24.4   | 22.8   | 21.1   | 20.6   | 20.3   | 115 |
| 120 |       |       |       |       |        | 24.7   | 25.4   | 24.2   | 24.4   | 22.9   | 22.9   | 21.1   | 19.4   | 19     | 18.7   | 120 |
| 125 |       |       |       |       |        |        | 23.6   | 22.3   | 22.6   | 22     | 21.2   | 19.5   | 17.8   | 17.4   | 17.1   | 125 |
| 130 |       |       |       |       |        |        | 22     | 21.5   | 20.8   | 20.6   | 19.4   | 18     | 16.3   | 16     | 15.7   | 130 |
| 135 |       |       |       |       |        |        | 20.5   | 20.5   | 19.2   | 19.1   | 17.8   | 16.6   | 14.9   | 14.7   | 14.4   | 135 |
| 140 |       |       |       |       |        |        |        | 19     | 18     | 17.6   | 16.4   | 15.3   | 13.6   | 13.4   | 13.1   | 140 |
| 145 |       |       |       |       |        |        |        | 17.7   | 16.7   | 16.2   | 15     | 14     | 12.4   | 12.3   | 12     | 145 |
| 150 |       |       |       |       |        |        |        | 16.6   | 15.5   | 15     | 13.8   | 12.8   | 11.3   | 11.2   | 10.9   | 150 |
| 155 |       |       |       |       |        |        |        |        | 14.4   | 13.9   | 12.6   | 11.6   | 10.1   | 10.2   | 9.9    | 155 |
| 160 |       |       |       |       |        |        |        |        | 13.4   | 12.8   | 11.5   | 10.5   | 9.1    | 9.2    | 8.9    | 160 |
| 165 |       |       |       |       |        |        |        |        | 12.4   | 11.8   | 10.6   | 9.5    | 8.1    | 8.3    | 8      | 165 |
| 170 |       |       |       |       |        |        |        |        |        | 10.9   | 9.6    | 8.6    | 7.1    | 7.4    | 7.2    | 170 |
| 175 |       |       |       |       |        |        |        |        |        | 10     | 8.8    | 7.7    | 6.2    | 6.5    | 6.3    | 175 |
| 180 |       |       |       |       |        |        |        |        |        | 9.2    | 7.9    | 6.9    | 5.4    | 5.7    | 5.4    | 180 |
| 185 |       |       |       |       |        |        |        |        |        |        | 7.2    | 6.1    | 4.7    | 4.9    | 4.7    | 185 |
| 190 |       |       |       |       |        |        |        |        |        |        |        | 6.5    | 5.4    | 3.9    | 4.2    | 190 |
| 195 |       |       |       |       |        |        |        |        |        |        |        | 5.8    | 4.7    |        | 3.5    | 195 |
| 200 |       |       |       |       |        |        |        |        |        |        |        |        | 5.2    |        |        | 200 |
| 205 |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 205 |

t\_240\_001\_00303\_00\_000

# Lifting capacities

## Forces de levage

T



|     | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |     |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10  | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10  |
| 11  | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11  |
| 12  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12  |
| 13  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13  |
| 14  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 14  |
| 15  | 298.6 | 298.6 | 298.6 | 248.3 | 191.2  |        |        |        |        |        |        |        |        |        |        | 15  |
| 16  | 297.4 | 298.5 | 290.6 | 247.8 | 198.4  |        |        |        |        |        |        |        |        |        |        | 16  |
| 17  | 291.7 | 291.9 | 279.6 | 246.7 | 198    |        |        |        |        |        |        |        |        |        |        | 17  |
| 18  | 278.6 | 279.1 | 272.7 | 245.5 | 197.6  |        |        |        |        |        |        |        |        |        |        | 18  |
| 19  | 266.3 | 267.7 | 264.2 | 244.2 | 197.1  | 159.8  |        |        |        |        |        |        |        |        |        | 19  |
| 20  | 254.5 | 256.7 | 255.4 | 241.9 | 196.2  | 159.3  |        |        |        |        |        |        |        |        |        | 20  |
| 22  | 232   | 234.6 | 234.7 | 229.8 | 194.3  | 158.3  | 130.2  |        |        |        |        |        |        |        |        | 22  |
| 24  | 211.7 | 214.2 | 214.6 | 212.1 | 192.3  | 157.4  | 129.7  |        |        |        |        |        |        |        |        | 24  |
| 26  | 194.3 | 196.7 | 197.6 | 196   | 189.4  | 156.4  | 129.2  | 102.1  |        |        |        |        |        |        |        | 26  |
| 28  | 178.8 | 182.7 | 182   | 184.5 | 176.8  | 155.4  | 128.6  | 101.9  |        |        |        |        |        |        |        | 28  |
| 30  | 164.3 | 168.5 | 170.2 | 170.1 | 164.3  | 153.3  | 128    | 101.6  | 82.1   |        |        |        |        |        |        | 30  |
| 32  | 151.7 | 155.8 | 157.4 | 157.9 | 152.9  | 144.8  | 127.4  | 101.2  | 82     |        |        |        |        |        |        | 32  |
| 34  | 140.6 | 144.6 | 146.5 | 146.7 | 141.3  | 137.9  | 126.8  | 100.9  | 81.8   | 66.1   |        |        |        |        |        | 34  |
| 36  | 130.9 | 134.8 | 136.7 | 136.6 | 131.1  | 129    | 120.6  | 100.5  | 81.5   | 65.8   |        |        |        |        |        | 36  |
| 38  | 122.1 | 126   | 128   | 128.1 | 125.3  | 120.1  | 112.7  | 99.1   | 81.1   | 65.6   | 54.1   |        |        |        |        | 38  |
| 40  | 113.4 | 117.7 | 119.7 | 119.7 | 118.7  | 112.1  | 105.2  | 96.5   | 80.6   | 65.4   | 53.9   |        |        |        |        | 40  |
| 45  |       | 97.1  | 99.5  | 102.8 | 101.1  | 95.5   | 89.7   | 85.8   | 78.6   | 64.6   | 53.4   | 43.6   |        |        |        | 45  |
| 50  |       | 82.2  | 85.2  | 86.5  | 86.1   | 82.8   | 78.3   | 74.2   | 70     | 63.3   | 52.9   | 43.3   | 36.5   | 30.3   |        | 50  |
| 55  |       | 69.8  | 72.9  | 73.9  | 73.6   | 72.1   | 69.7   | 67.1   | 63.2   | 58.9   | 52.1   | 42.5   | 36.1   | 30.1   | 29.3   | 55  |
| 60  |       |       | 63.1  | 64    | 63.7   | 62.6   | 62     | 60.4   | 55.9   | 53.4   | 49.4   | 41.5   | 35.4   | 29.9   | 29.2   | 60  |
| 65  |       |       | 55.2  | 56.1  | 55.7   | 55.5   | 56.7   | 53.8   | 50.3   | 48.2   | 44.2   | 40.4   | 34.6   | 29.4   | 28.8   | 65  |
| 70  |       |       | 48.8  | 49.6  | 49.2   | 51.2   | 50.2   | 48.1   | 45.9   | 42.9   | 40.7   | 38.9   | 33.7   | 28.8   | 28.4   | 70  |
| 75  |       |       |       | 44.2  | 44.9   | 45.9   | 44.8   | 43.5   | 42.5   | 39.7   | 38.1   | 35     | 32.7   | 28     | 27.7   | 75  |
| 80  |       |       |       | 39.6  | 41.8   | 41.3   | 40.1   | 39.2   | 39     | 36.6   | 34.5   | 32.7   | 31.4   | 27.1   | 26.8   | 80  |
| 85  |       |       |       | 35.8  | 37.8   | 37.3   | 36.8   | 36.9   | 35.3   | 34.2   | 32.3   | 30.7   | 29     | 26.2   | 26     | 85  |
| 90  |       |       |       |       | 34.4   | 33.9   | 33.6   | 33.7   | 32.4   | 31.4   | 30.3   | 28.4   | 26.5   | 25.2   | 24.7   | 90  |
| 95  |       |       |       |       | 31.4   | 30.9   | 31.7   | 30.6   | 30.8   | 28.7   | 28     | 25.8   | 24     | 23.5   | 23.1   | 95  |
| 100 |       |       |       |       | 28.8   | 28.2   | 29.1   | 28     | 28.1   | 27.2   | 25.6   | 23.6   | 21.8   | 21.3   | 20.9   | 100 |
| 105 |       |       |       |       | 25.6   | 26.9   | 26.7   | 26.5   | 25.8   | 25.6   | 23.5   | 21.5   | 19.8   | 19.4   | 19     | 105 |
| 110 |       |       |       |       |        | 25.2   | 24.6   | 24.7   | 23.6   | 23.5   | 21.6   | 19.7   | 18     | 17.6   | 17.2   | 110 |
| 115 |       |       |       |       |        | 23.3   | 22.7   | 22.8   | 21.9   | 21.4   | 19.8   | 17.9   | 16.3   | 16     | 15.6   | 115 |
| 120 |       |       |       |       |        | 21.6   | 21     | 21     | 20     | 19.6   | 18.2   | 16.4   | 14.8   | 14.5   | 14.2   | 120 |
| 125 |       |       |       |       |        |        | 19.4   | 19.3   | 18.4   | 17.9   | 16.6   | 15     | 13.3   | 13.1   | 12.7   | 125 |
| 130 |       |       |       |       |        |        | 17.9   | 17.8   | 16.8   | 16.3   | 15.1   | 13.6   | 12     | 11.8   | 11.5   | 130 |
| 135 |       |       |       |       |        |        | 16.6   | 16.4   | 15.4   | 14.9   | 13.7   | 12.4   | 10.8   | 10.6   | 10.3   | 135 |
| 140 |       |       |       |       |        |        |        | 15.1   | 14.1   | 13.7   | 12.4   | 11.3   | 9.7    | 9.5    | 9.2    | 140 |
| 145 |       |       |       |       |        |        |        | 13.9   | 12.9   | 12.5   | 11.2   | 10.2   | 8.6    | 8.5    | 8.2    | 145 |
| 150 |       |       |       |       |        |        |        | 12.9   | 11.9   | 11.3   | 10.1   | 9.1    | 7.6    | 7.5    | 7.2    | 150 |
| 155 |       |       |       |       |        |        |        |        | 10.9   | 10.3   | 9.1    | 8.1    | 6.6    | 6.6    | 6.3    | 155 |
| 160 |       |       |       |       |        |        |        |        | 10     | 9.4    | 8.1    | 7.1    | 5.7    | 5.8    | 5.5    | 160 |
| 165 |       |       |       |       |        |        |        |        | 9.1    | 8.5    | 7.3    | 6.2    | 4.8    | 5      | 4.7    | 165 |
| 170 |       |       |       |       |        |        |        |        |        | 7.7    | 6.4    | 5.4    | 3.9    | 4.2    | 3.8    | 170 |
| 175 |       |       |       |       |        |        |        |        |        | 6.9    | 5.7    | 4.6    |        |        |        | 175 |
| 180 |       |       |       |       |        |        |        |        |        | 6.2    | 5      | 3.9    |        |        |        | 180 |
| 185 |       |       |       |       |        |        |        |        |        |        | 4.3    |        |        |        |        | 185 |
| 190 |       |       |       |       |        |        |        |        |        |        | 3.7    |        |        |        |        | 190 |

t240\_001\_00304\_00\_000



# Lifting capacities

## Forces de levage

T



|     | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |     |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10  | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10  |
| 11  | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11  |
| 12  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12  |
| 13  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13  |
| 14  | 298.5 | 298.6 | 298.4 |       |        |        |        |        |        |        |        |        |        |        |        | 14  |
| 15  | 298.1 | 297.5 | 292.7 | 248.3 | 191.2  |        |        |        |        |        |        |        |        |        |        | 15  |
| 16  | 282.9 | 283.2 | 280.1 | 245.7 | 198.4  |        |        |        |        |        |        |        |        |        |        | 16  |
| 17  | 266.1 | 267.9 | 266.3 | 238.9 | 198    |        |        |        |        |        |        |        |        |        |        | 17  |
| 18  | 250.9 | 253   | 248.3 | 223.7 | 197.4  |        |        |        |        |        |        |        |        |        |        | 18  |
| 19  | 236.9 | 239.5 | 228.1 | 205.5 | 192.6  | 159.8  |        |        |        |        |        |        |        |        |        | 19  |
| 20  | 223.4 | 225.6 | 210.3 | 194.2 | 178.2  | 155.7  |        |        |        |        |        |        |        |        |        | 20  |
| 22  | 198.6 | 196.3 | 184.6 | 168.9 | 160.3  | 146.5  | 130    |        |        |        |        |        |        |        |        | 22  |
| 24  | 177.7 | 171.1 | 159.4 | 152.6 | 141    | 129.2  | 118.1  |        |        |        |        |        |        |        |        | 24  |
| 26  | 154.6 | 148.2 | 140   | 134.8 | 125.2  | 115.2  | 107.2  | 98     |        |        |        |        |        |        |        | 26  |
| 28  | 134   | 130   | 127.6 | 120.3 | 112.1  | 104.6  | 97.9   | 92.6   |        |        |        |        |        |        |        | 28  |
| 30  | 114.8 | 117.5 | 114   | 108.1 | 101.2  | 96.1   | 92.1   | 84.5   | 75.5   |        |        |        |        |        |        | 30  |
| 32  | 99.3  | 105.3 | 102.7 | 98.4  | 92     | 88.6   | 84.2   | 77.6   | 72.2   |        |        |        |        |        |        | 32  |
| 34  | 87    | 94.5  | 93.5  | 89.6  | 84.8   | 83.1   | 77.4   | 71.8   | 67     | 59.2   |        |        |        |        |        | 34  |
| 36  | 76.8  | 84.2  | 85.4  | 81.8  | 78.3   | 76.8   | 71.4   | 66.2   | 63.3   | 58.4   |        |        |        |        |        | 36  |
| 38  | 68.4  | 75.6  | 78.3  | 75.5  | 74.3   | 71.1   | 67.2   | 63     | 59.8   | 56.2   | 50.1   |        |        |        |        | 38  |
| 40  | 61.4  | 68.3  | 71.8  | 69.7  | 69.8   | 66     | 62.8   | 60     | 56.1   | 53.3   | 47.9   |        |        |        |        | 40  |
| 45  |       | 54    | 57.5  | 60.6  | 58.6   | 55.5   | 54.8   | 51.5   | 49.5   | 46.9   | 43.4   | 39.3   |        |        |        | 45  |
| 50  |       | 43.8  | 47.2  | 50.2  | 49.8   | 49.2   | 47.1   | 45.5   | 42.8   | 40.7   | 37.1   | 33.4   | 31.1   | 29.4   |        | 50  |
| 55  |       | 36.1  | 39.4  | 42.2  | 42.6   | 43     | 41     | 39.4   | 36.8   | 34.9   | 31.7   | 28.3   | 26.2   | 25     | 24.4   | 55  |
| 60  |       |       | 33.2  | 35.9  | 36.7   | 37.3   | 35.4   | 34.1   | 31.9   | 30.1   | 27.2   | 24.2   | 22.2   | 21.2   | 20.7   | 60  |
| 65  |       |       | 28.1  | 30.9  | 31.6   | 32.5   | 30.9   | 29.7   | 27.6   | 26.1   | 23.4   | 20.7   | 18.7   | 18     | 17.6   | 65  |
| 70  |       |       | 23.6  | 26.5  | 27.3   | 28.2   | 27     | 26     | 24     | 22.6   | 20.3   | 17.7   | 15.7   | 15.3   | 14.8   | 70  |
| 75  |       |       |       | 22.9  | 23.6   | 24.6   | 23.8   | 22.8   | 20.9   | 19.6   | 17.4   | 15.2   | 13     | 12.9   | 12.5   | 75  |
| 80  |       |       |       | 19.7  | 20.4   | 21.4   | 20.9   | 20     | 18.2   | 17.1   | 15     | 12.9   | 10.7   | 10.6   | 10.3   | 80  |
| 85  |       |       |       | 17    | 17.6   | 18.6   | 18.2   | 17.6   | 15.9   | 14.9   | 12.9   | 10.9   | 8.7    | 8.6    | 8.3    | 85  |
| 90  |       |       |       |       | 15.3   | 16.2   | 15.8   | 15.5   | 13.8   | 12.9   | 10.9   | 9.1    | 6.7    | 6.8    | 6.3    | 90  |
| 95  |       |       |       |       | 13.2   | 14.2   | 13.8   | 13.6   | 12     | 11.1   | 9.2    | 7.4    | 4.8    | 4.9    | 4.4    | 95  |
| 100 |       |       |       |       | 11.5   | 12.3   | 11.9   | 11.8   | 10.4   | 9.5    | 7.6    | 5.7    |        |        |        | 100 |
| 105 |       |       |       |       | 10     | 10.7   | 10.3   | 10.2   | 9      | 8      | 6.2    | 4      |        |        |        | 105 |
| 110 |       |       |       |       |        | 9.3    | 8.9    | 8.7    | 7.6    | 6.7    | 4.6    |        |        |        |        | 110 |
| 115 |       |       |       |       |        | 8.1    | 7.6    | 7.4    | 6.4    | 5.5    |        |        |        |        |        | 115 |
| 120 |       |       |       |       |        | 7      | 6.4    | 6.3    | 5.3    | 4.1    |        |        |        |        |        | 120 |
| 125 |       |       |       |       |        |        | 5.4    | 5.2    | 4      |        |        |        |        |        |        | 125 |
| 130 |       |       |       |       |        |        | 4.5    | 4.2    |        |        |        |        |        |        |        | 130 |
| 135 |       |       |       |       |        |        | 3.7    |        |        |        |        |        |        |        |        | 135 |

t\_240\_001\_00307\_00\_000

# Lifting capacities

## Forces de levage

T



|     | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft | 240 ft | 253 ft | 256 ft |     |
|-----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 10  | 298.6 |       |       |       |        |        |        |        |        |        |        |        |        |        |        | 10  |
| 11  | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        |        |        |        | 11  |
| 12  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 12  |
| 13  | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        |        |        |        | 13  |
| 14  | 295.3 | 297.5 | 297.6 |       |        |        |        |        |        |        |        |        |        |        |        | 14  |
| 15  | 286.2 | 288.4 | 267.6 | 233.8 | 191    |        |        |        |        |        |        |        |        |        |        | 15  |
| 16  | 270.2 | 271.7 | 246.9 | 216.2 | 195.4  |        |        |        |        |        |        |        |        |        |        | 16  |
| 17  | 253.2 | 248.9 | 221.5 | 197.5 | 177.9  |        |        |        |        |        |        |        |        |        |        | 17  |
| 18  | 236.5 | 224.3 | 204.9 | 183.2 | 166.9  |        |        |        |        |        |        |        |        |        |        | 18  |
| 19  | 220.5 | 203.2 | 185.6 | 172.5 | 155.6  | 139.4  |        |        |        |        |        |        |        |        |        | 19  |
| 20  | 201.6 | 186.2 | 168.8 | 158.6 | 143.8  | 129.3  |        |        |        |        |        |        |        |        |        | 20  |
| 22  | 163   | 153.7 | 146.1 | 135.1 | 123.7  | 113.4  | 100.4  |        |        |        |        |        |        |        |        | 22  |
| 24  | 135.6 | 132.5 | 125.8 | 117.3 | 108    | 102.8  | 95.4   |        |        |        |        |        |        |        |        | 24  |
| 26  | 115   | 114.1 | 110.2 | 103.1 | 96.2   | 92.8   | 85.2   | 76.9   |        |        |        |        |        |        |        | 26  |
| 28  | 99.1  | 99.6  | 97    | 91.5  | 89.2   | 83.4   | 78.2   | 72.4   |        |        |        |        |        |        |        | 28  |
| 30  | 85.6  | 87.9  | 86.2  | 83.1  | 80.6   | 75.4   | 70.8   | 66.9   | 60.6   |        |        |        |        |        |        | 30  |
| 32  | 73.3  | 78.2  | 77.2  | 76.5  | 73.1   | 68.5   | 66.4   | 61.4   | 58.3   |        |        |        |        |        |        | 32  |
| 34  | 63.6  | 70    | 70    | 70.1  | 66.6   | 64     | 60.7   | 57.9   | 53.6   | 47.5   |        |        |        |        |        | 34  |
| 36  | 55.6  | 62.9  | 63.5  | 63.8  | 60.9   | 59.5   | 56     | 52.8   | 49.1   | 45.9   |        |        |        |        |        | 36  |
| 38  | 49    | 56.1  | 57.4  | 58.2  | 55.5   | 54.4   | 51.3   | 48.5   | 45     | 42.1   | 37.8   |        |        |        |        | 38  |
| 40  | 42.7  | 50.3  | 52    | 53    | 51.3   | 50     | 47.1   | 44.7   | 41.3   | 38.7   | 35.3   |        |        |        |        | 40  |
| 45  |       | 37.9  | 41.2  | 42.6  | 41.6   | 40.9   | 38.6   | 36.7   | 33.9   | 31.7   | 28.7   | 25.2   |        |        |        | 45  |
| 50  |       | 29.1  | 33    | 35    | 34.3   | 34     | 32.1   | 30.5   | 28     | 26.1   | 23.5   | 20.5   | 17.9   | 17.4   |        | 50  |
| 55  |       | 22.2  | 26.3  | 29    | 28.6   | 28.5   | 26.8   | 25.6   | 23.3   | 21.7   | 19.2   | 16.6   | 14.1   | 13.8   | 13.4   | 55  |
| 60  |       |       | 20.8  | 24.1  | 23.9   | 24.1   | 22.6   | 21.5   | 19.5   | 18     | 15.7   | 13.5   | 10.9   | 10.7   | 10.3   | 60  |
| 65  |       |       | 16.6  | 19.8  | 20.1   | 20.4   | 19.1   | 18.2   | 16.3   | 15     | 12.7   | 10.7   | 8      | 7.8    | 7.3    | 65  |
| 70  |       |       | 13.1  | 16.2  | 17     | 17.4   | 16.1   | 15.3   | 13.5   | 12.3   | 10.3   | 8.3    | 4.9    | 4.8    | 4.4    | 70  |
| 75  |       |       |       | 13.3  | 14.1   | 14.8   | 13.6   | 12.9   | 11.2   | 10.1   | 8.1    | 5.6    |        |        |        | 75  |
| 80  |       |       |       | 10.9  | 11.6   | 12.5   | 11.5   | 10.8   | 9.1    | 8.1    | 5.6    | 3.4    |        |        |        | 80  |
| 85  |       |       |       | 8.9   | 9.5    | 10.5   | 9.5    | 8.9    | 7.3    | 6      | 3.6    |        |        |        |        | 85  |
| 90  |       |       |       |       | 7.7    | 8.7    | 7.9    | 7.3    | 5.3    | 4.1    |        |        |        |        |        | 90  |
| 95  |       |       |       |       | 6.1    | 7.1    | 6.4    | 5.6    | 3.4    |        |        |        |        |        |        | 95  |
| 100 |       |       |       |       | 4.7    | 5.6    | 4.7    | 3.8    |        |        |        |        |        |        |        | 100 |
| 105 |       |       |       |       | 3.7    | 3.9    |        |        |        |        |        |        |        |        |        | 105 |

t\_240\_001\_00308\_00\_000

# Lifting capacities

## Forces de levage

T

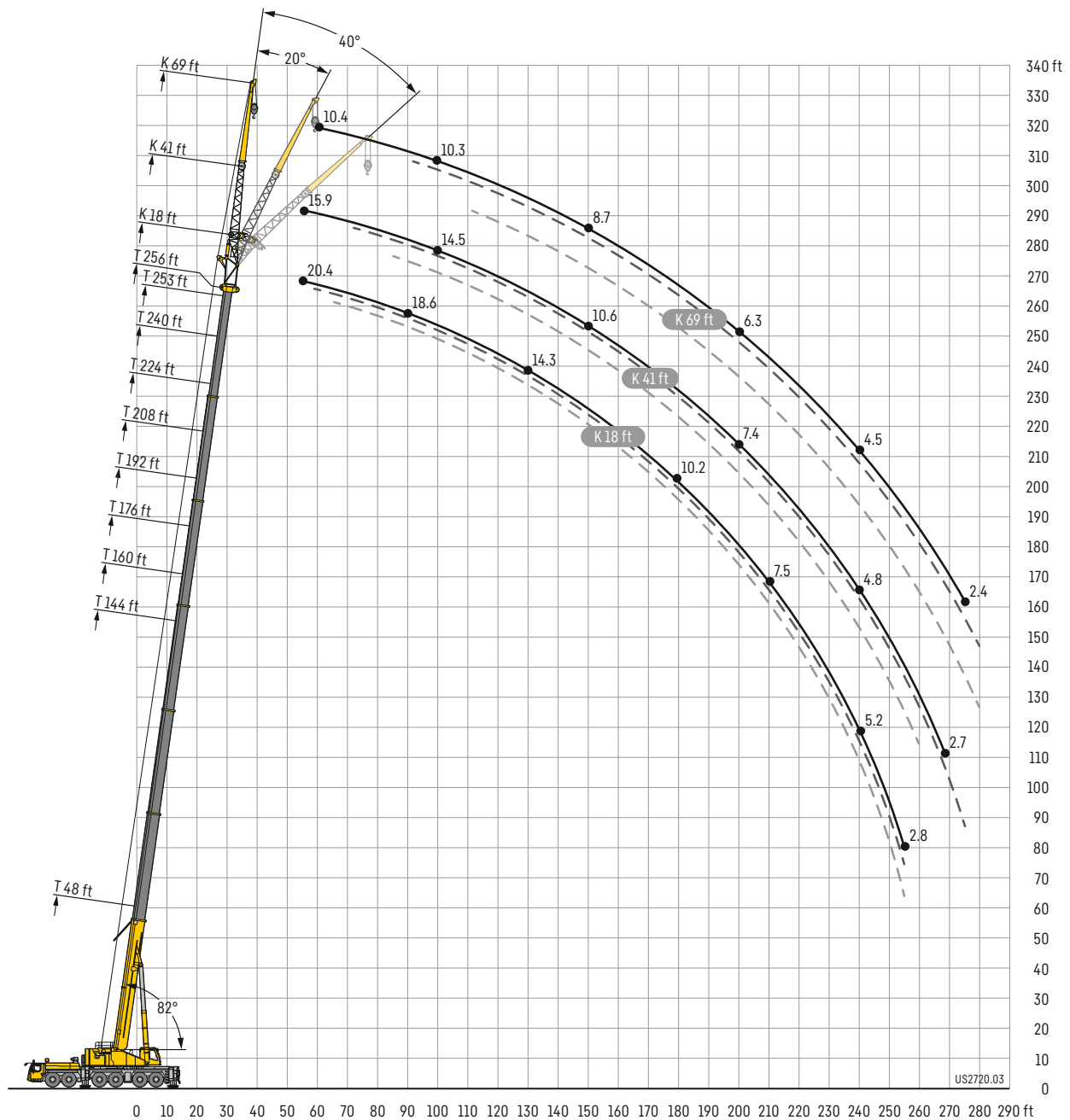


|    | 48 ft | 64 ft | 80 ft | 96 ft | 112 ft | 128 ft | 144 ft | 160 ft | 176 ft | 192 ft | 208 ft | 224 ft |    |
|----|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| 10 | 298.6 |       |       |       |        |        |        |        |        |        |        |        | 10 |
| 11 | 298.6 | 298.6 |       |       |        |        |        |        |        |        |        |        | 11 |
| 12 | 298.6 | 298.6 | 298.6 |       |        |        |        |        |        |        |        |        | 12 |
| 13 | 298.6 | 298.6 | 288.7 |       |        |        |        |        |        |        |        |        | 13 |
| 14 | 293.3 | 295.3 | 270.6 |       |        |        |        |        |        |        |        |        | 14 |
| 15 | 279   | 273.2 | 239.5 | 204.3 | 171    |        |        |        |        |        |        |        | 15 |
| 16 | 261.1 | 241.7 | 210.3 | 188.3 | 162.3  |        |        |        |        |        |        |        | 16 |
| 17 | 239.2 | 211.8 | 191.5 | 171.4 | 154.9  |        |        |        |        |        |        |        | 17 |
| 18 | 211.4 | 189.7 | 175.5 | 158.5 | 141.4  |        |        |        |        |        |        |        | 18 |
| 19 | 186.3 | 169.2 | 158.7 | 143.4 | 129    | 114.8  |        |        |        |        |        |        | 19 |
| 20 | 164.5 | 154.4 | 144.1 | 131.6 | 118.9  | 110    |        |        |        |        |        |        | 20 |
| 22 | 132   | 128.4 | 120.6 | 111.6 | 104.6  | 97.8   | 81.2   |        |        |        |        |        | 22 |
| 24 | 108.9 | 108.1 | 103.4 | 96.4  | 93.3   | 85.8   | 79.4   |        |        |        |        |        | 24 |
| 26 | 91.5  | 92.6  | 90.1  | 87.9  | 82.3   | 76     | 71.9   | 65.4   |        |        |        |        | 26 |
| 28 | 78    | 80.2  | 79.1  | 77.7  | 72.7   | 69.5   | 65     | 60.2   |        |        |        |        | 28 |
| 30 | 65.7  | 69.3  | 69.1  | 68.3  | 64.9   | 62.2   | 57.8   | 54     | 45.2   |        |        |        | 30 |
| 32 | 55.7  | 59.8  | 60.4  | 60.9  | 57.8   | 55.7   | 51.8   | 48.6   | 44.6   |        |        |        | 32 |
| 34 | 47.6  | 52    | 53.4  | 54.1  | 51.8   | 50.1   | 46.8   | 43.8   | 40.1   | 34.5   |        |        | 34 |
| 36 | 40.6  | 45.6  | 47.4  | 48.3  | 46.7   | 45.3   | 42.4   | 39.7   | 36.4   | 33.7   |        |        | 36 |
| 38 | 34.3  | 40.3  | 42.3  | 43.7  | 42.3   | 41.1   | 38.5   | 36.2   | 33.1   | 30.6   | 26.6   |        | 38 |
| 40 | 28.8  | 35.7  | 37.8  | 39.5  | 38.3   | 37.5   | 35.1   | 33     | 30.1   | 27.8   | 24.7   |        | 40 |
| 45 |       | 26.6  | 29    | 31    | 30.4   | 30     | 28.1   | 26.5   | 24     | 22.1   | 19.3   | 16.7   | 45 |
| 50 |       | 19.1  | 22.5  | 24.8  | 24.4   | 24.4   | 22.8   | 21.4   | 19.2   | 17.5   | 15.1   | 12.7   | 50 |
| 55 |       | 13.6  | 17.6  | 19.9  | 19.7   | 19.9   | 18.5   | 17.4   | 15.3   | 13.9   | 11.6   | 9      | 55 |
| 60 |       |       | 13.2  | 16    | 15.9   | 16.3   | 15     | 14.1   | 12.3   | 10.9   | 8.4    | 5.5    | 60 |
| 65 |       |       | 9.7   | 12.8  | 12.8   | 13.3   | 12.1   | 11.3   | 9.5    | 8.1    | 5.1    |        | 65 |
| 70 |       |       | 6.9   | 10.1  | 10.3   | 10.8   | 9.7    | 8.9    | 6.8    | 5.3    |        |        | 70 |
| 75 |       |       |       | 7.7   | 8      | 8.6    | 7.4    | 6.5    | 4.3    |        |        |        | 75 |
| 80 |       |       |       | 5.2   | 5.7    | 6.5    | 5      | 4.3    |        |        |        |        | 80 |
| 85 |       |       |       |       | 3.6    | 4.3    |        |        |        |        |        |        | 85 |

t\_240\_001\_00309\_00\_000

# Lifting heights

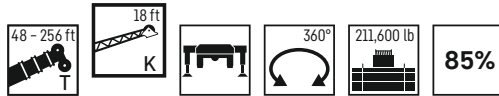
## Hauteurs de levage



# Lifting capacities

## Forces de levage

TK



|  | 48 ft   |       |      | 64 ft |       |      | 80 ft |       |      | 96 ft |      |      | 112 ft |      |      | 128 ft |      |      | 144 ft |      |      | 160 ft |      |      |  |
|-----------------------------------------------------------------------------------|---------|-------|------|-------|-------|------|-------|-------|------|-------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   | K 18 ft |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      |                                                                                     |
|                                                                                   | 0°      | 20°   | 40°  | 0°    | 20°   | 40°  | 0°    | 20°   | 40°  | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |                                                                                     |
| 12                                                                                | 128.3   | 101.2 |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 12                                                                                  |
| 13                                                                                | 125.9   | 99.2  | 84.3 | 130.9 | 103   |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 13                                                                                  |
| 14                                                                                | 122.7   | 97.2  | 82.9 | 130.3 | 101.1 |      |       | 130.4 |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 14                                                                                  |
| 15                                                                                | 119.5   | 95.3  | 81.7 | 127.6 | 99.4  | 83.9 | 129.2 | 100.7 |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 15                                                                                  |
| 16                                                                                | 116.3   | 93.5  | 80.5 | 124.9 | 97.8  | 82.8 | 127.4 | 99.6  |      | 126.8 |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 16                                                                                  |
| 17                                                                                | 113.7   | 91.8  | 79.3 | 122.4 | 96.2  | 81.8 | 125.2 | 98.2  |      | 125.1 |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 17                                                                                  |
| 18                                                                                | 111.2   | 90.1  | 78.2 | 120   | 94.7  | 80.8 | 123.1 | 96.8  | 81.8 | 123.4 | 97.5 |      | 121.2  |      |      |        |      |      |        |      |      |        |      |      | 18                                                                                  |
| 19                                                                                | 108.6   | 88.4  | 77.1 | 117.6 | 93.3  | 79.9 | 121   | 95.5  | 81   | 121.7 | 96.4 |      | 119.9  |      |      |        |      |      |        |      |      |        |      |      | 19                                                                                  |
| 20                                                                                | 106     | 86.9  | 76.1 | 115.2 | 91.9  | 78.9 | 119   | 94.2  | 80.2 | 120   | 95.3 |      | 118.6  |      |      |        |      |      |        |      |      |        |      |      | 20                                                                                  |
| 22                                                                                | 101.2   | 84    | 74   | 110.7 | 89.2  | 77.1 | 115.1 | 91.7  | 78.5 | 116.6 | 93   | 79.4 | 115.9  | 93.5 |      | 105.6  |      |      |        |      |      |        |      |      | 22                                                                                  |
| 24                                                                                | 96.9    | 81.1  | 72.2 | 106.7 | 86.4  | 75.3 | 111.2 | 89.2  | 77   | 113.1 | 90.8 | 77.9 | 113.1  | 91.5 | 78.3 | 105.6  | 91.1 |      |        |      |      |        |      |      | 24                                                                                  |
| 26                                                                                | 92.9    | 78.6  | 70.4 | 102.6 | 84.1  | 73.6 | 107.5 | 87    | 75.4 | 109.9 | 88.7 | 76.5 | 110.2  | 89.5 | 77   | 105.3  | 89.6 |      | 95.2   |      |      |        |      |      | 26                                                                                  |
| 28                                                                                | 89.1    | 76.1  | 68.8 | 98.8  | 81.8  | 72.2 | 104.2 | 84.8  | 74.1 | 106.9 | 86.7 | 75.2 | 107.5  | 87.6 | 75.8 | 104.7  | 88.2 | 76.8 | 94.7   | 83.6 |      |        |      |      | 28                                                                                  |
| 30                                                                                | 86      | 73.8  | 67.3 | 95.4  | 79.5  | 70.8 | 101.1 | 82.8  | 72.7 | 103.9 | 84.8 | 73.9 | 104.8  | 85.8 | 74.6 | 103.9  | 86.9 | 75.8 | 94.2   | 82.7 |      | 79.4   |      |      | 30                                                                                  |
| 32                                                                                | 82.8    | 71.9  | 65.9 | 92.3  | 77.5  | 69.4 | 98    | 81    | 71.4 | 100.9 | 83   | 72.8 | 102.4  | 84.2 | 73.5 | 102.4  | 85.6 | 74.8 | 93.4   | 81.7 | 73   | 79.4   |      |      | 32                                                                                  |
| 34                                                                                | 79.9    | 70.1  | 64.7 | 89.2  | 75.6  | 68.2 | 95.1  | 79.2  | 70.2 | 98.5  | 81.2 | 71.6 | 100.1  | 82.6 | 72.4 | 100.8  | 84.3 | 73.9 | 92.4   | 80.7 | 72.2 | 79.3   | 73.9 |      | 34                                                                                  |
| 36                                                                                | 77.4    | 68.3  | 63.6 | 86.5  | 73.8  | 67   | 92.4  | 77.5  | 69.1 | 96.1  | 79.6 | 70.5 | 97.8   | 81.1 | 71.4 | 99.1   | 83.1 | 73   | 91.5   | 79.8 | 71.4 | 79     | 73.3 | 67.7 | 36                                                                                  |
| 38                                                                                | 74.9    | 66.7  | 62.6 | 84.1  | 72.1  | 65.9 | 89.9  | 75.9  | 68   | 93.7  | 78.2 | 69.5 | 95.6   | 79.7 | 70.5 | 97.4   | 81.8 | 72.2 | 90.4   | 78.8 | 70.7 | 78.6   | 72.7 | 67.2 | 38                                                                                  |
| 40                                                                                | 72.6    | 65.2  | 61.7 | 81.7  | 70.7  | 64.9 | 87.6  | 74.3  | 67   | 91.4  | 76.8 | 68.5 | 93.6   | 78.2 | 69.5 | 95.7   | 80.6 | 71.3 | 89.3   | 77.9 | 69.9 | 78.2   | 72   | 66.6 | 40                                                                                  |
| 45                                                                                | 67.9    | 62.2  | 60.1 | 76.3  | 67.2  | 62.7 | 82.3  | 70.8  | 64.8 | 86.3  | 73.3 | 66.3 | 88.9   | 75.2 | 67.4 | 91.6   | 77.6 | 69.4 | 86.3   | 75.4 | 68.2 | 76.5   | 70.2 | 65.2 | 45                                                                                  |
| 50                                                                                | 64.1    | 59.9  | 59.4 | 71.7  | 64.3  | 60.9 | 77.7  | 67.9  | 62.9 | 81.8  | 70.4 | 64.3 | 84.4   | 72.3 | 65.5 | 88     | 75   | 67.5 | 83.1   | 73.2 | 66.6 | 73.6   | 67.9 | 63.7 | 50                                                                                  |
| 55                                                                                | 60.5    | 58.2  | 9.1  | 68    | 61.9  | 59.7 | 73.7  | 65.2  | 61.2 | 78    | 67.8 | 62.6 | 80.7   | 69.7 | 63.7 | 84.3   | 72.5 | 66   | 78.7   | 71   | 65.1 | 69.8   | 65.1 | 61.7 | 55                                                                                  |
| 60                                                                                |         |       |      | 64.7  | 59.9  | 32.6 | 70.2  | 63    | 59.9 | 74.4  | 65.6 | 61.2 | 77.2   | 67.3 | 62.2 | 81.2   | 70.2 | 64.4 | 73.8   | 69   | 63.8 | 66.1   | 62.3 | 59.3 | 60                                                                                  |
| 65                                                                                |         |       |      | 62.2  | 58.8  | 16   | 67.2  | 61.1  | 58.9 | 71.2  | 63.4 | 59.9 | 74.2   | 65.3 | 60.9 | 78.2   | 68.3 | 63.1 | 69.1   | 66.9 | 62.6 | 62.5   | 59.9 | 57.1 | 65                                                                                  |
| 70                                                                                |         |       |      | 59.3  | 57.5  | 9.5  | 64.5  | 59.6  | 47.6 | 68.4  | 61.7 | 59   | 71.4   | 63.5 | 59.8 | 74.8   | 66.5 | 61.9 | 64.9   | 64.3 | 61   | 59     | 57.5 | 55.1 | 70                                                                                  |
| 75                                                                                |         |       |      | 41.9  |       |      | 62.3  | 58.4  | 22.2 | 65.9  | 60.1 | 58.1 | 68.9   | 61.7 | 58.8 | 68.5   | 64.9 | 60.9 | 60.9   | 60.6 | 58.8 | 55.6   | 55.1 | 53.1 | 75                                                                                  |
| 80                                                                                |         |       |      |       |       |      | 60.5  | 57.8  | 13.8 | 63.9  | 58.9 | 57.8 | 64.2   | 60.4 | 58   | 62.6   | 63   | 60.1 | 57.1   | 56.9 | 56.4 | 52.7   | 52.5 | 51.1 | 80                                                                                  |
| 85                                                                                |         |       |      |       |       |      | 58.2  | 55.9  | 9.2  | 60.2  | 57.8 | 29   | 59     | 59   | 57.4 | 57.3   | 57.9 | 58   | 53.7   | 53.6 | 53.6 | 49.8   | 49.8 | 49   | 85                                                                                  |
| 90                                                                                |         |       |      |       |       |      | 40.8  | 13.5  |      | 55.6  | 55.9 | 18.1 | 54.4   | 54.8 | 55   | 52.7   | 53.3 | 53.5 | 51.4   | 50.4 | 50.5 | 47.2   | 47.2 | 46.9 | 90                                                                                  |
| 95                                                                                |         |       |      |       |       |      |       |       |      | 51.5  | 51.8 | 12.5 | 50.2   | 50.6 | 37.1 | 48.6   | 49.1 | 49.3 | 49.3   | 47.1 | 47.4 | 44.9   | 44.8 | 44.8 | 95                                                                                  |
| 100                                                                               |         |       |      |       |       |      |       |       |      | 47.9  | 44.9 | 9    | 46.6   | 46.9 | 22.6 | 44.9   | 45.3 | 45.5 | 46.2   | 45.1 | 44.3 | 42.6   | 42.6 | 42.6 | 100                                                                                 |
| 105                                                                               |         |       |      |       |       |      |       |       |      | 35.8  | 15.6 | 5.7  | 43.3   | 43.5 | 15.8 | 43.1   | 41.9 | 40.7 | 42.9   | 43.1 | 42.9 | 40.3   | 40.4 | 40.5 | 105                                                                                 |
| 110                                                                               |         |       |      |       |       |      |       |       |      |       |      |      | 40.3   | 40.5 | 11.7 | 41.4   | 40.2 | 27.7 | 39.9   | 40.2 | 40.4 | 38.2   | 38.2 | 38.3 | 110                                                                                 |
| 115                                                                               |         |       |      |       |       |      |       |       |      |       |      |      | 37.6   | 37.7 | 8.9  | 38.9   | 39   | 19.2 | 37.1   | 37.4 | 37.6 | 35.5   | 35.9 | 36.1 | 115                                                                                 |
| 120                                                                               |         |       |      |       |       |      |       |       |      |       |      |      | 31     | 17   | 6.3  | 36.4   | 36.6 | 14.4 | 34.6   | 34.9 | 32.4 | 33     | 33.3 | 33.5 | 120                                                                                 |
| 125                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 34.1   | 34.3 | 11.2 | 32.3   | 32.5 | 22.8 | 31.3   | 31.4 | 31.5 | 125                                                                                 |
| 130                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 32     | 32.1 | 8.8  | 30.2   | 30.4 | 17.2 | 29.5   | 29.8 | 29.9 | 130                                                                                 |
| 135                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 25     | 18.2 | 6.6  | 28.2   | 28.3 | 13.5 | 27.5   | 27.7 | 26.7 | 135                                                                                 |
| 140                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 26.3   | 26.4 | 10.8 | 25.6   | 25.8 | 20.1 | 140                                                                                 |
| 145                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 24.6   | 24.7 | 8.7  | 23.8   | 24   | 15.8 | 145                                                                                 |
| 150                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 20.7   | 19   | 6.9  | 22.2   | 22.4 | 12.7 | 150                                                                                 |
| 155                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 20.7   | 20.9 | 10.5 | 155                                                                                 |
| 160                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 19.4   | 19.4 | 8.6  | 160                                                                                 |
| 165                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 16.4   | 16.4 | 7    | 165                                                                                 |
| 170                                                                               |         |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 10.5   | 9.4  |      | 170                                                                                 |

t\_240\_002\_50001\_00\_000 / 52001\_00\_000 / 54001\_00\_000

# Lifting capacities

## Forces de levage



|     | 176 ft |      |      | 192 ft |      |      | 208 ft |      |      | 224 ft |      |      | 240 ft |      |      | 253 ft |      |      | 256 ft |      |      |     |
|-----|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 34  | 64.7   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 34  |
| 36  | 64.5   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 36  |
| 38  | 64.2   | 64.7 |      | 51.5   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 38  |
| 40  | 64     | 64.5 |      | 51.3   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 40  |
| 45  | 63.2   | 63.7 | 61   | 50.8   | 51.2 | 51.4 | 41.6   |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 45  |
| 50  | 62.2   | 62.8 | 60   | 50.3   | 50.7 | 51.2 | 41.2   | 41.5 | 42.2 | 34     |      |      | 25.4   |      |      |        |      |      |        |      |      | 50  |
| 55  | 60.7   | 60.6 | 58.7 | 49.7   | 50   | 50.5 | 40.9   | 41.2 | 41.3 | 33.8   | 33.8 | 34.1 | 25.3   | 25.4 |      | 21     |      |      | 20.4   |      |      | 55  |
| 60  | 57.9   | 57.8 | 56.7 | 48.7   | 48.8 | 49   | 40.3   | 40.1 | 40.2 | 33.2   | 33.2 | 33.5 | 25.1   | 25.2 | 25.1 | 21     | 21   |      | 20.4   | 20.4 |      | 60  |
| 65  | 55     | 54.9 | 54.4 | 46.9   | 47   | 47.2 | 39.1   | 38.9 | 39   | 32.5   | 32.4 | 32.6 | 24.9   | 24.9 | 25   | 20.9   | 20.9 | 20.9 | 20.3   | 20.4 | 20.3 | 65  |
| 70  | 52.2   | 52.2 | 52.1 | 44.9   | 45   | 45.3 | 37.9   | 37.7 | 37.7 | 31.6   | 31.4 | 31.5 | 24.6   | 24.5 | 24.6 | 20.7   | 20.7 | 20.8 | 20.2   | 20.3 | 20.3 | 70  |
| 75  | 49.6   | 49.5 | 49.7 | 43     | 43.1 | 43.3 | 36.6   | 36.4 | 36.3 | 30.6   | 30.3 | 30.4 | 24.1   | 24   | 24.1 | 20.4   | 20.3 | 20.4 | 20     | 20   | 20.1 | 75  |
| 80  | 46.9   | 47   | 47.1 | 41.1   | 41.1 | 41.4 | 35.3   | 35   | 34.9 | 29.5   | 29.3 | 29.3 | 23.5   | 23.4 | 23.5 | 19.9   | 19.9 | 19.9 | 19.6   | 19.6 | 19.6 | 80  |
| 85  | 44.4   | 44.4 | 44.6 | 39.2   | 39.2 | 39.5 | 34     | 33.7 | 33.6 | 28.5   | 28.3 | 28.3 | 22.8   | 22.8 | 22.8 | 19.4   | 19.3 | 19.4 | 19.1   | 19.1 | 19.1 | 85  |
| 90  | 42.1   | 42.1 | 42.3 | 37.3   | 37.4 | 37.6 | 32.7   | 32.4 | 32.3 | 27.5   | 27.3 | 27.3 | 22.2   | 22.1 | 22.2 | 18.8   | 18.7 | 18.8 | 18.6   | 18.5 | 18.5 | 90  |
| 95  | 39.8   | 40   | 40.1 | 35.5   | 35.6 | 35.8 | 31.4   | 31.2 | 31.1 | 26.6   | 26.3 | 26.3 | 21.5   | 21.4 | 21.5 | 18.2   | 18.1 | 18.2 | 18     | 17.9 | 18   | 95  |
| 100 | 37.7   | 37.8 | 38   | 33.8   | 33.9 | 34.1 | 30.1   | 30   | 29.9 | 25.6   | 25.4 | 25.4 | 20.9   | 20.7 | 20.8 | 17.6   | 17.5 | 17.6 | 17.4   | 17.4 | 17.4 | 100 |
| 105 | 35.9   | 35.9 | 36   | 32.1   | 32.2 | 32.5 | 28.9   | 28.8 | 28.8 | 24.7   | 24.5 | 24.5 | 20.2   | 20.1 | 20.1 | 17     | 16.9 | 17   | 16.8   | 16.8 | 16.8 | 105 |
| 110 | 34     | 34.2 | 34.3 | 30.6   | 30.6 | 30.9 | 27.6   | 27.6 | 27.6 | 23.7   | 23.6 | 23.6 | 19.5   | 19.4 | 19.5 | 16.5   | 16.4 | 16.4 | 16.3   | 16.2 | 16.3 | 110 |
| 115 | 32.2   | 32.4 | 32.5 | 29.1   | 29.2 | 29.4 | 26.3   | 26.4 | 26.5 | 22.9   | 22.7 | 22.7 | 18.9   | 18.8 | 18.8 | 15.9   | 15.8 | 15.9 | 15.8   | 15.7 | 15.7 | 115 |
| 120 | 30.6   | 30.7 | 30.8 | 27.7   | 27.8 | 28   | 25.1   | 25.2 | 25.3 | 22.1   | 21.9 | 21.9 | 18.2   | 18.1 | 18.2 | 15.4   | 15.3 | 15.4 | 15.3   | 15.2 | 15.2 | 120 |
| 125 | 29.1   | 29.2 | 29.3 | 26.3   | 26.5 | 26.6 | 24     | 24   | 24.2 | 21.3   | 21.2 | 21.2 | 17.6   | 17.5 | 17.6 | 14.8   | 14.8 | 14.8 | 14.7   | 14.7 | 14.7 | 125 |
| 130 | 27.7   | 27.7 | 27.9 | 25     | 25.2 | 25.3 | 22.9   | 23   | 23.1 | 20.5   | 20.4 | 20.4 | 17.1   | 17   | 17   | 14.3   | 14.3 | 14.3 | 14.3   | 14.2 | 14.2 | 130 |
| 135 | 25.8   | 26.1 | 26.3 | 23.8   | 23.9 | 24   | 21.8   | 22   | 22.1 | 19.7   | 19.6 | 19.7 | 16.5   | 16.4 | 16.5 | 13.8   | 13.8 | 13.8 | 13.8   | 13.7 | 13.8 | 135 |
| 140 | 23.9   | 24.2 | 24.4 | 22.7   | 22.8 | 22.9 | 20.8   | 20.9 | 21   | 19     | 18.9 | 19   | 15.9   | 15.9 | 15.9 | 13.4   | 13.4 | 13.4 | 13.3   | 13.3 | 13.3 | 140 |
| 145 | 22.9   | 22.9 | 23   | 21.5   | 21.7 | 21.8 | 19.8   | 19.9 | 20   | 18.2   | 18.2 | 18.3 | 15.4   | 15.4 | 15.4 | 12.9   | 12.9 | 12.9 | 12.9   | 12.8 | 12.9 | 145 |
| 150 | 21.9   | 21.9 | 22   | 20.5   | 20.6 | 20.7 | 18.9   | 19   | 19.1 | 17.5   | 17.5 | 17.6 | 15     | 14.9 | 14.9 | 12.5   | 12.5 | 12.5 | 12.4   | 12.4 | 12.4 | 150 |
| 155 | 20.6   | 20.8 | 18.2 | 19.2   | 19.5 | 19.6 | 17.9   | 18.1 | 18.2 | 16.7   | 16.8 | 16.9 | 14.5   | 14.4 | 14.5 | 12.1   | 12.1 | 12.1 | 12     | 12   | 12   | 155 |
| 160 | 19.2   | 19.3 | 14.7 | 17.8   | 18.1 | 18.1 | 17.1   | 17.2 | 17.3 | 16     | 16.1 | 16.2 | 14     | 14   | 14   | 11.7   | 11.7 | 11.7 | 11.7   | 11.6 | 11.7 | 160 |
| 165 | 17.8   | 18   | 12.2 | 17     | 17.1 | 17.1 | 16.2   | 16.3 | 16.4 | 15.3   | 15.4 | 15.4 | 13.6   | 13.5 | 13.6 | 11.3   | 11.3 | 11.3 | 11.3   | 11.3 | 11.3 | 165 |
| 170 | 16.6   | 16.7 | 10.2 | 16.3   | 16.3 | 16.4 | 15.4   | 15.6 | 15.6 | 14.6   | 14.6 | 14.7 | 13.1   | 13.1 | 13.1 | 10.9   | 10.9 | 11   | 10.9   | 10.9 | 10.9 | 170 |
| 175 | 15.5   | 15.6 | 8.6  | 15.7   | 15.7 | 13.9 | 14.5   | 14.7 | 14.7 | 13.8   | 13.9 | 14   | 12.7   | 12.7 | 12.7 | 10.6   | 10.6 | 10.6 | 10.6   | 10.6 | 10.6 | 175 |
| 180 | 13.1   | 13.2 | 7.1  | 14.8   | 14.9 | 11.8 | 13.5   | 13.5 | 13.6 | 13.2   | 13.3 | 13.3 | 12.3   | 12.3 | 12.3 | 10.2   | 10.2 | 10.2 | 10.2   | 10.2 | 10.2 | 180 |
| 185 | 9.3    | 9.1  |      | 13.8   | 13.9 | 10   | 12.9   | 12.9 | 13   | 12.6   | 12.7 | 12.7 | 11.9   | 11.9 | 11.9 | 9.8    | 9.8  | 9.9  | 9.7    | 9.8  | 9.8  | 185 |
| 190 |        |      |      | 12.8   | 12.9 | 8.6  | 12.4   | 12.5 | 12.5 | 11.4   | 11.4 | 11.5 | 11.5   | 11.5 | 11.6 | 9.5    | 9.5  | 9.5  | 9.2    | 9.3  | 9.3  | 190 |
| 195 |        |      |      | 10.7   | 10.7 | 7.2  | 11.9   | 12   | 11.4 | 10.9   | 11   | 11   | 11     | 11   | 11.1 | 9.1    | 9.1  | 9.2  | 8.8    | 8.8  | 8.9  | 195 |
| 200 |        |      |      | 7.7    | 7.7  | 5.1  | 11.4   | 11.4 | 9.9  | 9.4    | 9.7  | 9.8  | 10.5   | 10.6 | 10.6 | 8.8    | 8.8  | 8.9  | 8.3    | 8.4  | 8.4  | 200 |
| 205 |        |      |      |        |      |      | 9.8    | 9.9  | 8.5  | 7.5    | 7.9  | 7.8  | 10     | 10.1 | 10.1 | 8.5    | 8.5  | 8.5  | 7.9    | 7.9  | 8    | 205 |
| 210 |        |      |      |        |      |      | 8.8    | 8.8  | 7.3  | 5.7    | 6    | 6    | 9.5    | 9.6  | 9.6  | 8.1    | 8.2  | 8.2  | 7.5    | 7.5  | 7.5  | 210 |
| 215 |        |      |      |        |      |      | 5.7    | 5.8  | 4.2  | 4      | 4.3  | 4.2  | 8.8    | 8.9  | 8.9  | 7.8    | 7.9  | 7.9  | 7.1    | 7.1  | 7.1  | 215 |
| 220 |        |      |      |        |      |      |        |      |      | 2.4    | 2.6  | 2.3  | 8.1    | 8.2  | 8.2  | 7.5    | 7.6  | 7.6  | 6.7    | 6.7  | 6.7  | 220 |
| 225 |        |      |      |        |      |      |        |      |      |        |      |      | 7.4    | 7.5  | 7.5  | 7.2    | 7.2  | 7.3  | 6.3    | 6.3  | 6.3  | 225 |
| 230 |        |      |      |        |      |      |        |      |      |        |      |      | 6.9    | 6.9  | 6.9  | 6.9    | 7    | 7    | 5.9    | 5.9  | 6    | 230 |
| 235 |        |      |      |        |      |      |        |      |      |        |      |      | 6.4    | 6.4  | 6.4  | 6.5    | 6.5  | 6.5  | 5.6    | 5.6  | 5.6  | 235 |
| 240 |        |      |      |        |      |      |        |      |      |        |      |      | 4.6    | 4.8  | 4.3  |        |      |      | 5.2    | 5.2  | 5.2  | 240 |
| 245 |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 5.3    | 5.3  | 5.3  | 4.9    | 4.8  | 4.8  | 245 |
| 250 |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 4.4    | 4.6  | 4.3  | 4.4    | 4.4  | 4.4  | 250 |
| 255 |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 2.1    |      |      | 2.8    | 3    | 2.6  | 255 |

t\_240\_002\_50001\_00\_000 / 52001\_00\_000 / 54001\_00\_000



# Lifting capacities

## Forces de levage



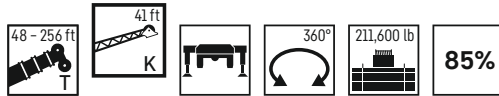
|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>K 41 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|-------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 52.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 12  |
| 13  | 52.1  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 13  |
| 14  | 51.7  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 14  |
| 15  | 51.2  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 15  |
| 16  | 50.7  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 16  |
| 17  | 50.1  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 17  |
| 18  | 49.5  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 18  |
| 19  | 48.9  | 39.2 |      |        |      |      |                   |      |      |        |      |      |        |      |      | 19  |
| 20  | 48.3  | 39   |      |        |      |      |                   |      |      |        |      |      |        |      |      | 20  |
| 22  | 47.1  | 37.2 |      |        |      |      |                   |      |      |        |      |      |        |      |      | 22  |
| 24  | 45.8  | 35.3 |      | 52.7   |      |      |                   |      |      |        |      |      |        |      |      | 24  |
| 26  | 44.3  | 33.6 |      | 52.8   |      |      |                   |      |      |        |      |      |        |      |      | 26  |
| 28  | 42.9  | 32.1 | 23.1 | 52.8   |      |      | 47.4              |      |      |        |      |      |        |      |      | 28  |
| 30  | 41.4  | 30.8 | 22.8 | 52.6   |      |      | 47.4              |      |      |        |      |      |        |      |      | 30  |
| 32  | 40.1  | 29.5 | 22.1 | 52.4   |      |      | 47.4              |      |      | 41.7   |      |      |        |      |      | 32  |
| 34  | 38.8  | 28.5 | 21.6 | 52     |      |      | 47.3              |      |      | 41.6   |      |      |        |      |      | 34  |
| 36  | 37.5  | 27.4 | 21.1 | 51.6   |      |      | 47.1              |      |      | 41.6   |      |      | 35.6   |      |      | 36  |
| 38  | 36.3  | 26.4 | 20.6 | 51.2   | 38.4 |      | 46.7              |      |      | 41.5   |      |      | 35.7   |      |      | 38  |
| 40  | 34.9  | 25.6 | 20.2 | 50.7   | 37.5 |      | 46.3              |      |      | 41.3   |      |      | 35.7   |      |      | 40  |
| 45  | 31.2  | 23.6 | 19.2 | 49.3   | 35.2 | 23.1 | 45.4              | 36.1 |      | 40.7   |      |      | 35.5   |      |      | 45  |
| 50  | 28    | 22.1 | 18.4 | 47.8   | 33.3 | 22.3 | 44.5              | 34.1 | 22.5 | 40.1   | 34.5 |      | 35.2   |      |      | 50  |
| 55  | 25.4  | 20.8 | 17.8 | 46.3   | 31.6 | 21.7 | 43.5              | 32.3 | 21.9 | 39.5   | 32.9 | 22   | 34.8   | 31.8 |      | 55  |
| 60  | 23.4  | 19.6 | 17.4 | 44.6   | 30   | 21.1 | 42.6              | 30.8 | 21.3 | 38.8   | 31.3 | 21.4 | 34.4   | 31   | 21.5 | 60  |
| 65  | 21.6  | 18.7 | 17.1 | 42.8   | 28.7 | 20.6 | 41.4              | 29.5 | 20.8 | 38.2   | 29.9 | 20.9 | 34     | 30.1 | 20.9 | 65  |
| 70  | 20.1  | 18   | 17.1 | 41.1   | 27.5 | 20.1 | 40.1              | 28.3 | 20.3 | 37.5   | 28.7 | 20.5 | 33.6   | 28.8 | 20.5 | 70  |
| 75  | 18.8  | 17.6 | 16.3 | 39.5   | 26.4 | 19.6 | 38.8              | 27.2 | 19.9 | 36.7   | 27.5 | 20   | 33.1   | 27.7 | 20.1 | 75  |
| 80  | 17.8  | 17.5 |      | 38     | 25.4 | 19.2 | 37.6              | 26.2 | 19.5 | 35.8   | 26.6 | 19.7 | 32.7   | 26.7 | 19.7 | 80  |
| 85  |       |      |      | 36.5   | 24.5 | 18.9 | 36.4              | 25.2 | 19.1 | 34.9   | 25.7 | 19.3 | 32     | 25.8 | 19.4 | 85  |
| 90  |       |      |      | 34.8   | 23.6 | 18.6 | 35.2              | 24.4 | 18.8 | 34     | 24.8 | 19   | 31.4   | 25   | 19.1 | 90  |
| 95  |       |      |      | 33     | 22.9 | 18.3 | 34.1              | 23.6 | 18.5 | 33.1   | 24   | 18.7 | 30.7   | 24.3 | 18.8 | 95  |
| 100 |       |      |      | 31.3   | 22.2 | 18   | 32.9              | 22.9 | 18.2 | 32.3   | 23.3 | 18.4 | 29.9   | 23.5 | 18.5 | 100 |
| 105 |       |      |      | 29.6   | 21.5 | 17.8 | 31.4              | 22.3 | 18   | 31.5   | 22.7 | 18.1 | 29     | 22.9 | 18.2 | 105 |
| 110 |       |      |      | 28.2   | 20.9 | 17.6 | 30                | 21.6 | 17.8 | 30.5   | 22.1 | 17.9 | 27.8   | 22.3 | 18   | 110 |
| 115 |       |      |      | 26.9   | 20.4 | 17.4 | 28.6              | 21   | 17.6 | 29.4   | 21.5 | 17.7 | 26.5   | 21.7 | 17.8 | 115 |
| 120 |       |      |      | 25.7   | 19.9 | 17.3 | 27.3              | 20.6 | 17.4 | 28.2   | 21   | 17.5 | 25.4   | 21.1 | 17.6 | 120 |
| 125 |       |      |      | 24.6   | 19.4 | 17.2 | 26.3              | 20.1 | 17.3 | 27     | 20.5 | 17.4 | 24.3   | 20.7 | 17.4 | 125 |
| 130 |       |      |      | 23.7   | 19   | 17.1 | 25.2              | 19.6 | 17.1 | 25.9   | 20.1 | 17.2 | 23.2   | 20.3 | 17.3 | 130 |
| 135 |       |      |      | 22.8   | 18.6 | 17.1 | 24.2              | 19.2 | 17.1 | 24.7   | 19.7 | 17.2 | 22.2   | 19.9 | 17.2 | 135 |
| 140 |       |      |      | 21.9   | 18.3 | 17.1 | 23.3              | 18.9 | 17   | 23.6   | 19.3 | 17.1 | 21.2   | 19.5 | 17.1 | 140 |
| 145 |       |      |      | 21.1   | 18   | 15.7 | 22.6              | 18.6 | 17   | 22.6   | 18.9 | 17   | 20.2   | 19.1 | 17.1 | 145 |
| 150 |       |      |      | 20.4   | 17.8 | 10.1 | 21.8              | 18.2 | 17   | 21.5   | 18.6 | 17   | 19.3   | 18.7 | 17   | 150 |
| 155 |       |      |      | 19.7   | 17.6 | 7.2  | 21                | 18   | 16.5 | 20.4   | 18.4 | 17   | 18.4   | 18.3 | 17   | 155 |
| 160 |       |      |      | 19.1   | 17.5 | 5.4  | 20.4              | 17.8 | 12.4 | 19     | 18.1 | 17   | 17.5   | 17.8 | 16.8 | 160 |
| 165 |       |      |      | 18.6   | 17.5 |      | 19.4              | 17.6 | 8.7  | 17.7   | 17.8 | 17   | 16.7   | 17.1 | 16.6 | 165 |
| 170 |       |      |      | 17.2   | 16   |      | 18.1              | 17.5 | 6.6  | 17     | 17.1 | 15.1 | 16     | 16.4 | 16.4 | 170 |
| 175 |       |      |      | 10.2   | 6.9  |      | 17                | 17.4 | 5.1  | 16.3   | 16.5 | 10.5 | 15     | 15.6 | 15.8 | 175 |
| 180 |       |      |      |        |      |      | 15.9              | 16.3 |      | 15.5   | 15.8 | 7.8  | 14     | 14.7 | 15   | 180 |
| 185 |       |      |      |        |      |      | 13.3              | 15.2 |      | 14.5   | 15   | 6.1  | 13.1   | 13.6 | 12.2 | 185 |
| 190 |       |      |      |        |      |      | 7.7               | 7.5  |      | 13.6   | 14   | 4.9  | 12.6   | 12.7 | 9.1  | 190 |
| 195 |       |      |      |        |      |      |                   |      |      | 12.7   | 13   |      | 12.1   | 12.2 | 7.2  | 195 |
| 200 |       |      |      |        |      |      |                   |      |      | 10.4   | 12.1 |      | 11.6   | 11.7 | 5.8  | 200 |
| 205 |       |      |      |        |      |      |                   |      |      | 6.1    | 7.8  |      | 11     | 11.3 |      | 205 |
| 210 |       |      |      |        |      |      |                   |      |      |        |      |      | 10.3   | 10.6 |      | 210 |
| 215 |       |      |      |        |      |      |                   |      |      |        |      |      | 8.3    | 9.8  |      | 215 |
| 220 |       |      |      |        |      |      |                   |      |      |        |      |      | 7.1    | 7.2  |      | 220 |

t\_240\_002\_50101\_00\_000 / 52101\_00\_000 / 54101\_00\_000

# Lifting capacities

## Forces de levage

TK

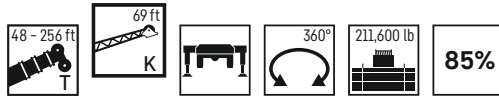


|     | 208 ft |      |      | 224 ft |      |      | 240 ft<br>K 41 ft |      |      | 253 ft |      |      | 256 ft |      |      |     |
|-----|--------|------|------|--------|------|------|-------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 45  | 30     |      |      | 23.3   |      |      |                   |      |      |        |      |      |        |      |      | 45  |
| 50  | 30.1   |      |      | 23.5   |      |      | 19.4              |      |      |        |      |      |        |      |      | 50  |
| 55  | 29.9   |      |      | 23.6   |      |      | 19.4              |      |      | 16.4   |      |      | 15.9   |      |      | 55  |
| 60  | 29.7   | 28.3 |      | 23.8   |      |      | 19.4              |      |      | 16.4   |      |      | 15.9   |      |      | 60  |
| 65  | 29.5   | 27.8 | 20.9 | 23.9   | 23.9 |      | 19.3              |      |      | 16.4   |      |      | 16     |      |      | 65  |
| 70  | 29.3   | 27.3 | 22.6 | 23.8   | 23.7 |      | 19.2              | 19.2 |      | 16.3   |      |      | 15.9   |      |      | 70  |
| 75  | 28.9   | 26.9 | 22   | 23.6   | 23.3 | 22.5 | 19.1              | 18.8 |      | 16.1   | 16   |      | 15.8   | 15.7 |      | 75  |
| 80  | 28.5   | 26.4 | 21.5 | 23.2   | 22.8 | 22.1 | 18.9              | 18.4 | 17.8 | 15.9   | 15.8 |      | 15.6   | 15.5 |      | 80  |
| 85  | 28.1   | 25.6 | 21.1 | 22.6   | 22.3 | 21.6 | 18.7              | 17.9 | 17.4 | 15.7   | 15.5 | 15.1 | 15.4   | 15.2 | 15   | 85  |
| 90  | 27.4   | 24.8 | 20.8 | 22.1   | 21.7 | 21.2 | 18.2              | 17.5 | 16.9 | 15.5   | 15.1 | 14.7 | 15.2   | 15   | 14.6 | 90  |
| 95  | 26.7   | 24.1 | 20.5 | 21.5   | 21.1 | 20.7 | 17.9              | 17   | 16.4 | 15.1   | 14.8 | 14.4 | 14.9   | 14.6 | 14.2 | 95  |
| 100 | 25.8   | 23.4 | 20.2 | 20.8   | 20.4 | 20.3 | 17.4              | 16.6 | 16   | 14.7   | 14.4 | 14   | 14.5   | 14.3 | 13.9 | 100 |
| 105 | 24.9   | 22.8 | 19.9 | 20.2   | 19.8 | 19.7 | 17                | 16.1 | 15.6 | 14.3   | 14.1 | 13.7 | 14.1   | 13.9 | 13.6 | 105 |
| 110 | 24     | 22.2 | 19.4 | 19.5   | 19.1 | 19.1 | 16.5              | 15.7 | 15.2 | 13.9   | 13.7 | 13.4 | 13.8   | 13.6 | 13.3 | 110 |
| 115 | 23.2   | 21.7 | 18.8 | 18.9   | 18.5 | 18.5 | 16.1              | 15.3 | 14.9 | 13.5   | 13.3 | 13   | 13.4   | 13.2 | 12.9 | 115 |
| 120 | 22.4   | 21.1 | 18.2 | 18.2   | 17.9 | 17.9 | 15.6              | 14.9 | 14.5 | 13.1   | 12.9 | 12.7 | 12.9   | 12.8 | 12.6 | 120 |
| 125 | 21.5   | 20.7 | 17.6 | 17.6   | 17.3 | 17.3 | 15.1              | 14.6 | 14.2 | 12.6   | 12.5 | 12.4 | 12.5   | 12.4 | 12.3 | 125 |
| 130 | 20.7   | 20.1 | 17.3 | 17     | 16.8 | 16.7 | 14.6              | 4.2  | 13.9 | 12.2   | 12.1 | 12.1 | 12.1   | 12   | 12.1 | 130 |
| 135 | 19.9   | 19.6 | 17.2 | 16.4   | 16.2 | 16.2 | 14.1              | 13.8 | 13.5 | 11.8   | 11.7 | 11.8 | 11.7   | 11.6 | 11.7 | 135 |
| 140 | 19.1   | 19   | 17.1 | 15.9   | 15.7 | 15.7 | 13.7              | 13.4 | 13.2 | 11.4   | 11.3 | 11.4 | 11.3   | 11.2 | 11.4 | 140 |
| 145 | 18.3   | 18.3 | 17.1 | 15.4   | 15.2 | 15.2 | 13.2              | 13   | 12.9 | 11     | 10.9 | 11   | 10.9   | 10.9 | 11   | 145 |
| 150 | 17.5   | 17.7 | 17   | 14.9   | 14.7 | 14.7 | 12.8              | 12.7 | 12.6 | 10.6   | 10.6 | 10.7 | 10.6   | 10.5 | 10.6 | 150 |
| 155 | 16.7   | 17.1 | 16.8 | 14.4   | 14.3 | 14.3 | 12.4              | 12.3 | 12.3 | 10.3   | 10.2 | 10.3 | 10.2   | 10.2 | 10.3 | 155 |
| 160 | 16     | 16.4 | 16.3 | 13.9   | 13.8 | 13.8 | 12                | 11.9 | 12   | 9.9    | 9.9  | 10   | 9.8    | 9.8  | 9.9  | 160 |
| 165 | 15.3   | 15.6 | 15.7 | 13.5   | 13.3 | 13.4 | 11.6              | 11.6 | 11.6 | 9.6    | 9.5  | 9.6  | 9.5    | 9.5  | 9.6  | 165 |
| 170 | 14.6   | 14.9 | 15.2 | 13     | 12.9 | 13   | 11.2              | 11.2 | 11.3 | 9.2    | 9.2  | 9.3  | 9.2    | 9.2  | 9.3  | 170 |
| 175 | 13.9   | 14.2 | 14.5 | 12.5   | 12.5 | 12.6 | 10.9              | 10.8 | 10.9 | 8.9    | 8.9  | 9    | 8.9    | 8.9  | 9    | 175 |
| 180 | 13.2   | 13.6 | 13.9 | 12.1   | 12.1 | 12.2 | 10.5              | 10.5 | 10.6 | 8.6    | 8.6  | 8.7  | 8.6    | 8.6  | 8.7  | 180 |
| 185 | 12.6   | 13   | 13.2 | 11.6   | 11.7 | 11.8 | 10.2              | 10.2 | 10.3 | 8.3    | 8.3  | 8.4  | 8.3    | 8.3  | 8.4  | 185 |
| 190 | 12     | 12.3 | 12.6 | 11.1   | 11.3 | 11.5 | 9.8               | 9.8  | 9.9  | 8      | 8    | 8.1  | 8      | 8    | 8.1  | 190 |
| 195 | 11.2   | 11.7 | 11.9 | 10.7   | 10.9 | 11.1 | 9.5               | 9.5  | 9.6  | 7.8    | 7.8  | 7.9  | 7.7    | 7.8  | 7.9  | 195 |
| 200 | 10.3   | 11   | 10.7 | 10.2   | 10.4 | 10.7 | 9.2               | 9.2  | 9.3  | 7.5    | 7.5  | 7.6  | 7.4    | 7.5  | 7.6  | 200 |
| 205 | 9.8    | 10.1 | 8.3  | 9.7    | 10   | 10.2 | 8.9               | 8.9  | 9    | 7.3    | 7.3  | 7.4  | 7.1    | 7.3  | 7.4  | 205 |
| 210 | 9.5    | 9.5  | 6.7  | 9.2    | 9.5  | 9.7  | 8.6               | 8.7  | 8.8  | 7.1    | 7    | 7.1  | 6.8    | 7.1  | 7.1  | 210 |
| 215 | 9.1    | 9.2  | 5.5  | 8.7    | 9    | 9.2  | 8.3               | 8.4  | 8.5  | 6.8    | 6.8  | 6.9  | 6.5    | 6.8  | 6.8  | 215 |
| 220 | 8.7    | 8.8  |      | 7.9    | 8.4  | 7.6  | 7.9               | 8.1  | 8.2  | 6.6    | 6.6  | 6.7  | 6.2    | 6.4  | 6.5  | 220 |
| 225 | 8.4    | 8.5  |      | 7.6    | 7.7  | 6.3  | 7.6               | 7.8  | 7.9  | 6.4    | 6.4  | 6.5  | 5.9    | 6.1  | 6.2  | 225 |
| 230 | 7      | 8.2  |      | 7.4    | 7.4  | 5.3  | 7.2               | 7.5  | 7.6  | 6.2    | 6.2  | 6.3  | 5.5    | 5.7  | 5.9  | 230 |
| 235 | 5.6    | 6.6  |      | 7.1    | 7.2  |      | 6.8               | 7.1  | 7    | 6      | 6    | 6.1  | 5.1    | 5.4  | 5.5  | 235 |
| 240 |        |      |      | 6.9    | 6.9  |      | 6.3               | 6.6  | 6    | 5.8    | 5.8  | 5.9  | 4.8    | 5    | 5.1  | 240 |
| 245 |        |      |      | 6.1    | 6.8  |      | 5.8               | 6.1  | 5.1  | 5.5    | 5.6  | 5.7  | 4.4    | 4.7  | 4.7  | 245 |
| 250 |        |      |      | 3.5    | 4.8  |      | 5.1               | 5.5  |      | 5.2    | 5.4  | 5.5  | 4.1    | 4.3  | 4.4  | 250 |
| 255 |        |      |      |        |      |      | 4.6               | 4.9  |      | 4.6    | 5    | 5.1  | 3.8    | 4    | 4    | 255 |
| 260 |        |      |      |        |      |      | 3.2               | 4.3  |      | 4      | 4.4  |      | 3.5    | 3.7  | 3.7  | 260 |
| 265 |        |      |      |        |      |      |                   |      |      | 3.4    | 3.8  |      | 3.2    | 3.4  |      | 265 |
| 270 |        |      |      |        |      |      |                   |      |      | 2.8    | 3.2  |      | 2.7    | 3    |      | 270 |
| 275 |        |      |      |        |      |      |                   |      |      |        |      |      |        | 2.4  |      | 275 |

t 240\_002\_50101\_00\_000 / 52101\_00\_000 / 54101\_00\_000

# Lifting capacities

## Forces de levage



|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>K 69 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|-------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 20.8  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 12  |
| 13  | 20.8  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 13  |
| 14  | 20.9  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 14  |
| 15  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 15  |
| 16  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 16  |
| 17  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 17  |
| 18  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 18  |
| 19  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 19  |
| 20  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 20  |
| 22  | 21    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 22  |
| 24  | 20.9  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 24  |
| 26  | 20.7  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 26  |
| 28  | 20.5  |      |      | 20.8   |      |      |                   |      |      |        |      |      |        |      |      | 28  |
| 30  | 20.3  |      |      | 20.9   |      |      | 19.9              |      |      |        |      |      |        |      |      | 30  |
| 32  | 20    |      |      | 21     |      |      | 19.9              |      |      |        |      |      |        |      |      | 32  |
| 34  | 19.7  | 17.8 |      | 21     |      |      | 19.9              |      |      | 18.7   |      |      |        |      |      | 34  |
| 36  | 19.4  | 17.5 |      | 21     |      |      | 19.9              |      |      | 18.7   |      |      |        |      |      | 36  |
| 38  | 19.1  | 17.2 |      | 21     |      |      | 19.9              |      |      | 18.8   |      |      | 17.4   |      |      | 38  |
| 40  | 18.7  | 16.9 |      | 21     |      |      | 19.9              |      |      | 18.8   |      |      | 17.4   |      |      | 40  |
| 45  | 17.9  | 16.1 |      | 21     |      |      | 19.9              |      |      | 18.8   |      |      | 17.5   |      |      | 45  |
| 50  | 17.1  | 15.4 |      | 20.8   |      |      | 19.9              |      |      | 18.8   |      |      | 17.5   |      |      | 50  |
| 55  | 16.3  | 14.7 | 13.2 | 20.5   | 17.5 |      | 19.8              | 17.2 |      | 18.8   |      |      | 17.5   |      |      | 55  |
| 60  | 15.5  | 14.1 | 12.8 | 20.3   | 17   |      | 19.6              | 16.8 |      | 18.7   | 16.3 |      | 17.5   |      |      | 60  |
| 65  | 14.8  | 13.6 | 12.4 | 19.9   | 16.7 |      | 19.3              | 16.4 |      | 18.5   | 16   |      | 17.3   | 15.2 |      | 65  |
| 70  | 14.2  | 13.1 | 12   | 19.5   | 16.2 | 13.4 | 19                | 16   |      | 18.2   | 15.6 |      | 17.1   | 15   |      | 70  |
| 75  | 13.6  | 12.6 | 11.8 | 19     | 15.8 | 13.2 | 18.6              | 15.6 | 13.1 | 17.9   | 15.3 |      | 16.8   | 14.7 |      | 75  |
| 80  | 13.1  | 12.3 | 11.6 | 18.6   | 15.4 | 13   | 18.2              | 15.3 | 12.9 | 17.6   | 15   | 12.7 | 16.6   | 14.4 |      | 80  |
| 85  | 12.6  | 12   | 11.4 | 18.1   | 15.1 | 12.8 | 17.8              | 15   | 12.7 | 17.2   | 14.7 | 12.5 | 16.3   | 14.2 | 12.2 | 85  |
| 90  | 12.1  | 11.7 | 11.4 | 17.7   | 14.7 | 12.6 | 17.4              | 14.6 | 12.5 | 16.9   | 14.4 | 12.3 | 16     | 13.9 | 12.1 | 90  |
| 95  | 11.6  | 11.5 | 11.4 | 17.2   | 14.4 | 12.4 | 17                | 14.3 | 12.3 | 16.5   | 14.1 | 12.2 | 15.7   | 13.7 | 11.9 | 95  |
| 100 | 11.1  | 11.4 | 11.4 | 16.7   | 14.1 | 12.2 | 16.6              | 14.1 | 12.2 | 16.2   | 13.9 | 12   | 15.4   | 13.4 | 11.8 | 100 |
| 105 | 10.6  | 11.3 | 4.5  | 16.3   | 13.8 | 12.1 | 16.2              | 13.8 | 12   | 15.8   | 13.6 | 11.9 | 15.1   | 13.2 | 11.7 | 105 |
| 110 | 9.8   |      |      | 15.9   | 13.5 | 11.9 | 15.8              | 13.5 | 11.9 | 15.5   | 13.4 | 11.7 | 14.9   | 13   | 11.5 | 110 |
| 115 |       |      |      | 15.5   | 13.3 | 11.8 | 15.5              | 13.3 | 11.8 | 15.2   | 13.1 | 11.6 | 14.6   | 12.8 | 11.4 | 115 |
| 120 |       |      |      | 15.1   | 13.1 | 11.7 | 15.1              | 13   | 11.6 | 14.9   | 12.9 | 11.5 | 14.4   | 12.6 | 11.3 | 120 |
| 125 |       |      |      | 14.7   | 12.8 | 11.6 | 14.8              | 12.8 | 11.5 | 14.6   | 12.7 | 11.4 | 14.1   | 12.4 | 11.2 | 125 |
| 130 |       |      |      | 14.4   | 12.6 | 11.5 | 14.4              | 12.6 | 11.4 | 14.3   | 12.5 | 11.4 | 13.9   | 12.3 | 11.1 | 130 |
| 135 |       |      |      | 14.1   | 12.4 | 11.4 | 14.1              | 12.4 | 11.4 | 14     | 12.3 | 11.3 | 13.6   | 12.1 | 11.1 | 135 |
| 140 |       |      |      | 13.7   | 12.2 | 11.4 | 13.8              | 12.3 | 11.3 | 13.8   | 12.2 | 11.2 | 13.4   | 11.9 | 11   | 140 |
| 145 |       |      |      | 13.4   | 12.1 | 11.4 | 13.6              | 12.1 | 11.3 | 13.5   | 12   | 11.2 | 13.2   | 11.8 | 11   | 145 |
| 150 |       |      |      | 13.1   | 11.9 | 11.4 | 13.3              | 11.9 | 11.2 | 13.2   | 11.9 | 11.1 | 13     | 11.7 | 10.9 | 150 |
| 155 |       |      |      | 12.9   | 11.8 | 11.4 | 13                | 11.8 | 11.2 | 13     | 11.7 | 11.1 | 12.8   | 11.5 | 10.9 | 155 |
| 160 |       |      |      | 12.6   | 11.7 | 11.4 | 12.8              | 11.7 | 11.2 | 12.8   | 11.6 | 11.1 | 12.6   | 11.4 | 10.8 | 160 |
| 165 |       |      |      | 12.3   | 11.6 | 11.4 | 12.5              | 11.6 | 11.2 | 12.5   | 11.5 | 11.1 | 12.4   | 11.3 | 10.8 | 165 |
| 170 |       |      |      | 12     | 11.5 | 11.4 | 12.3              | 11.5 | 11.2 | 12.3   | 11.4 | 11.1 | 12.2   | 11.2 | 10.8 | 170 |
| 175 |       |      |      | 11.8   | 11.5 | 11.4 | 12.1              | 11.4 | 11.2 | 12.1   | 11.3 | 11.1 | 12     | 11.1 | 10.8 | 175 |
| 180 |       |      |      | 11.5   | 11.4 | 8.6  | 11.8              | 11.3 | 11.2 | 12     | 11.2 | 11.1 | 11.8   | 11.1 | 10.8 | 180 |
| 185 |       |      |      | 11.2   | 11.3 | 6.2  | 11.6              | 11.3 | 11.2 | 11.8   | 11.2 | 11.1 | 11.7   | 11   | 10.8 | 185 |
| 190 |       |      |      | 10.9   | 11.3 |      | 11.4              | 11.3 | 10.3 | 11.6   | 11.1 | 11.1 | 11.5   | 10.9 | 10.8 | 190 |
| 195 |       |      |      | 10.6   | 11.3 |      | 11.2              | 11.2 | 7.6  | 11.4   | 11.1 | 11.1 | 11.2   | 10.9 | 10.8 | 195 |
| 200 |       |      |      | 10.2   | 10.7 |      | 11                | 11.2 | 5.8  | 11.3   | 11.1 | 11.1 | 11     | 10.9 | 10.8 | 200 |
| 205 |       |      |      |        |      |      | 10.8              | 11.2 |      | 11.1   | 11   | 9.1  | 10.7   | 10.9 | 10.8 | 205 |
| 210 |       |      |      |        |      |      | 10.5              | 11.2 |      | 10.9   | 11   | 7    | 10.1   | 10.6 | 10.8 | 210 |
| 215 |       |      |      |        |      |      | 7.7               | 10.6 |      | 10.7   | 10.9 | 5.4  | 9.4    | 10.2 | 10.3 | 215 |
| 220 |       |      |      |        |      |      |                   |      |      | 10.1   | 10.7 |      | 9      | 9.4  | 8.2  | 220 |
| 225 |       |      |      |        |      |      |                   |      |      | 8.8    | 9.9  |      | 8.7    | 8.8  | 6.4  | 225 |
| 230 |       |      |      |        |      |      |                   |      |      | 6      | 8.1  |      | 8.3    | 8.5  | 5.2  | 230 |
| 235 |       |      |      |        |      |      |                   |      |      |        | 3    |      | 8      | 8.2  |      | 235 |
| 240 |       |      |      |        |      |      |                   |      |      |        |      |      | 7      | 7.9  |      | 240 |
| 245 |       |      |      |        |      |      |                   |      |      |        |      |      | 5.2    | 6.5  |      | 245 |
| 250 |       |      |      |        |      |      |                   |      |      |        |      |      |        | 5.2  |      | 250 |

t\_240\_002\_50301\_00\_000 / 52301\_00\_000 / 54301\_00\_000

# Lifting capacities

## Forces de levage

TK



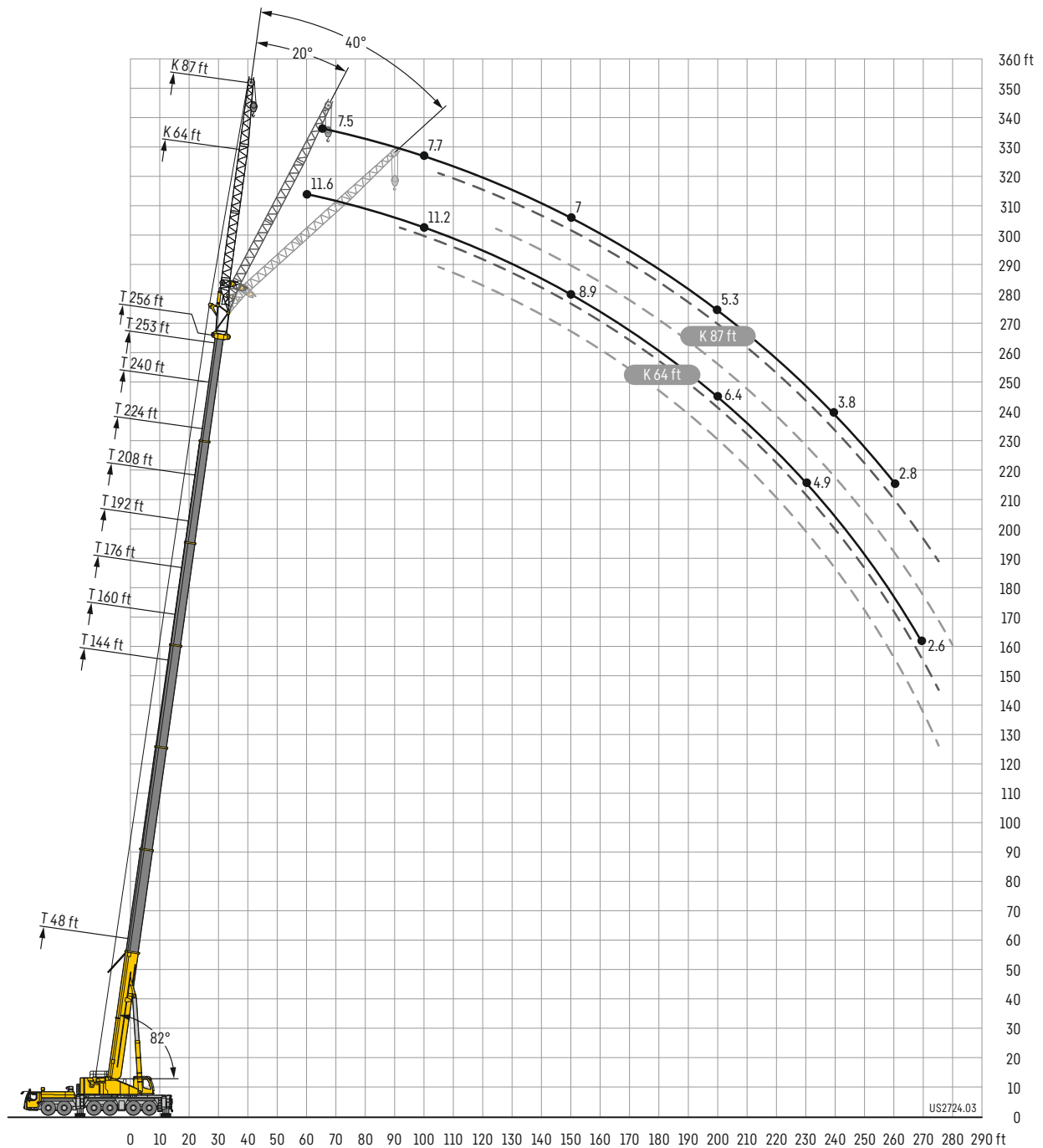
|     | 208 ft |      |      | 224 ft |      |      | 240 ft<br>K 69 ft |      |      | 253 ft |      |     | 256 ft |     |     |     |
|-----|--------|------|------|--------|------|------|-------------------|------|------|--------|------|-----|--------|-----|-----|-----|
|     | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40° | 0°     | 20° | 40° |     |
| 45  | 15.8   |      |      |        |      |      |                   |      |      |        |      |     |        |     |     | 45  |
| 50  | 15.9   |      |      | 14     |      |      |                   |      |      |        |      |     |        |     |     | 50  |
| 55  | 15.9   |      |      | 14.1   |      |      | 12.2              |      |      |        |      |     |        |     |     | 55  |
| 60  | 15.8   |      |      | 14.1   |      |      | 12.2              |      |      | 10.6   |      |     | 10.4   |     |     | 60  |
| 65  | 15.7   |      |      | 14     |      |      | 12.2              |      |      | 10.6   |      |     | 10.4   |     |     | 65  |
| 70  | 15.6   | 14.1 |      | 14     |      |      | 12.2              |      |      | 10.7   |      |     | 10.4   |     |     | 70  |
| 75  | 15.5   | 13.9 |      | 13.8   |      |      | 12.1              |      |      | 10.7   |      |     | 10.5   |     |     | 75  |
| 80  | 15.2   | 13.6 |      | 13.7   | 12.6 |      | 12.1              |      |      | 10.7   |      |     | 10.4   |     |     | 80  |
| 85  | 15     | 13.4 |      | 13.6   | 12.5 |      | 12                | 11.3 |      | 10.6   |      |     | 10.4   |     |     | 85  |
| 90  | 14.8   | 13.2 | 11.7 | 13.4   | 12.3 |      | 11.9              | 11.2 |      | 10.6   | 10.2 |     | 10.4   | 10  |     | 90  |
| 95  | 14.6   | 13   | 11.5 | 13.2   | 12.1 | 11.1 | 11.8              | 11.1 |      | 10.5   | 10.1 |     | 10.3   | 9.9 |     | 95  |
| 100 | 14.4   | 12.8 | 11.4 | 13.1   | 12   | 11   | 11.7              | 11   |      | 10.4   | 10.1 |     | 10.3   | 9.9 |     | 100 |
| 105 | 14.2   | 12.6 | 11.3 | 13     | 11.9 | 10.9 | 11.6              | 10.9 | 10.3 | 10.4   | 10   |     | 10.2   | 9.8 |     | 105 |
| 110 | 14     | 12.4 | 11.2 | 12.8   | 11.7 | 10.8 | 11.5              | 10.8 | 10.3 | 10.3   | 9.9  | 9.6 | 10.1   | 9.8 | 9.5 | 110 |
| 115 | 13.8   | 12.3 | 11.1 | 12.7   | 11.6 | 10.7 | 11.4              | 10.7 | 10.2 | 10.2   | 9.8  | 9.5 | 10     | 9.7 | 9.4 | 115 |
| 120 | 13.6   | 12.1 | 11   | 12.5   | 11.5 | 10.6 | 11.2              | 10.6 | 10.1 | 10.1   | 9.6  | 9.4 | 10     | 9.5 | 9.3 | 120 |
| 125 | 13.4   | 12   | 11   | 12.4   | 11.4 | 10.6 | 11.1              | 10.5 | 10.1 | 10     | 9.4  | 9.2 | 9.9    | 9.4 | 9.1 | 125 |
| 130 | 13.2   | 11.8 | 10.9 | 12.2   | 11.2 | 10.5 | 10.9              | 10.4 | 10   | 9.8    | 9.2  | 8.9 | 9.7    | 9.1 | 8.9 | 130 |
| 135 | 13     | 11.7 | 10.8 | 12.1   | 11.1 | 10.5 | 10.8              | 10.2 | 9.9  | 9.5    | 9    | 8.7 | 9.4    | 8.9 | 8.7 | 135 |
| 140 | 12.8   | 11.5 | 10.8 | 11.9   | 11   | 10.5 | 10.6              | 10   | 9.7  | 9.2    | 8.7  | 8.5 | 9.2    | 8.7 | 8.5 | 140 |
| 145 | 12.6   | 11.4 | 10.7 | 11.8   | 10.9 | 10.4 | 10.4              | 9.8  | 9.5  | 9      | 8.5  | 8.3 | 8.9    | 8.5 | 8.3 | 145 |
| 150 | 12.4   | 11.3 | 10.7 | 11.6   | 10.8 | 10.4 | 10.2              | 9.5  | 9.3  | 8.7    | 8.3  | 8.1 | 8.7    | 8.3 | 8.1 | 150 |
| 155 | 12.2   | 11.2 | 10.7 | 11.5   | 10.7 | 10.4 | 10                | 9.3  | 9.1  | 8.5    | 8.1  | 7.9 | 8.4    | 8.1 | 7.9 | 155 |
| 160 | 12.1   | 11.1 | 10.6 | 11.3   | 10.6 | 10.3 | 9.7               | 9.1  | 8.9  | 8.2    | 7.9  | 7.8 | 8.2    | 7.9 | 7.8 | 160 |
| 165 | 11.9   | 11   | 10.6 | 11.1   | 10.5 | 10.3 | 9.5               | 8.9  | 8.8  | 8      | 7.7  | 7.6 | 7.9    | 7.7 | 7.6 | 165 |
| 170 | 11.8   | 10.9 | 10.6 | 10.8   | 10.4 | 10.3 | 9.2               | 8.7  | 8.6  | 7.7    | 7.6  | 7.5 | 7.7    | 7.5 | 7.5 | 170 |
| 175 | 11.6   | 10.9 | 10.6 | 10.5   | 10.2 | 10.3 | 8.9               | 8.5  | 8.4  | 7.4    | 7.4  | 7.3 | 7.4    | 7.4 | 7.3 | 175 |
| 180 | 11.4   | 10.8 | 10.6 | 10.2   | 10   | 10.2 | 8.7               | 8.3  | 8.2  | 7.2    | 7.2  | 7.2 | 7.2    | 7.2 | 7.2 | 180 |
| 185 | 11.1   | 10.7 | 10.6 | 9.9    | 9.8  | 10   | 8.5               | 8.1  | 8.1  | 7      | 7    | 7   | 6.9    | 7   | 7   | 185 |
| 190 | 10.8   | 10.7 | 10.6 | 9.6    | 9.6  | 9.8  | 8.2               | 8    | 7.9  | 6.8    | 6.8  | 6.9 | 6.7    | 6.8 | 6.9 | 190 |
| 195 | 10.6   | 10.6 | 10.6 | 9.3    | 9.3  | 9.6  | 7.9               | 7.8  | 7.8  | 6.6    | 6.7  | 6.8 | 6.5    | 6.6 | 6.7 | 195 |
| 200 | 10.3   | 10.5 | 10.6 | 9.1    | 9.1  | 9.3  | 7.7               | 7.6  | 7.6  | 6.4    | 6.5  | 6.6 | 6.3    | 6.4 | 6.6 | 200 |
| 205 | 9.9    | 10.2 | 10.5 | 8.8    | 8.8  | 9    | 7.5               | 7.5  | 7.5  | 6.2    | 6.3  | 6.4 | 6.2    | 6.2 | 6.4 | 205 |
| 210 | 9.5    | 9.8  | 10.2 | 8.5    | 8.5  | 8.7  | 7.3               | 7.3  | 7.4  | 6      | 6.1  | 6.2 | 6      | 6   | 6.2 | 210 |
| 215 | 9.1    | 9.5  | 9.9  | 8.2    | 8.3  | 8.5  | 7.1               | 7.1  | 7.2  | 5.8    | 5.9  | 6   | 5.8    | 5.9 | 6   | 215 |
| 220 | 8.6    | 9.1  | 9.4  | 7.9    | 8    | 8.2  | 6.9               | 6.9  | 7.1  | 5.6    | 5.7  | 5.9 | 5.6    | 5.7 | 5.8 | 220 |
| 225 | 7.9    | 8.7  | 8.9  | 7.6    | 7.7  | 8    | 6.7               | 6.8  | 6.9  | 5.5    | 5.5  | 5.7 | 5.3    | 5.5 | 5.7 | 225 |
| 230 | 7.3    | 8.1  | 8.4  | 7.3    | 7.5  | 7.7  | 6.5               | 6.6  | 6.8  | 5.3    | 5.4  | 5.5 | 5      | 5.3 | 5.5 | 230 |
| 235 | 7      | 7.5  | 7.5  | 6.9    | 7.2  | 7.4  | 6.3               | 6.4  | 6.6  | 5.1    | 5.2  | 5.4 | 4.7    | 5.2 | 5.3 | 235 |
| 240 | 6.8    | 7    | 6.1  | 6.5    | 6.9  | 7.1  | 6.1               | 6.3  | 6.4  | 5      | 5    | 5.2 | 4.5    | 5   | 5.1 | 240 |
| 245 | 6.6    | 6.7  | 5    | 6.1    | 6.6  | 6.8  | 5.9               | 6.1  | 6.2  | 4.8    | 4.9  | 5   | 4.2    | 4.7 | 4.8 | 245 |
| 250 | 6.4    | 6.5  |      | 5.7    | 6.2  | 6.3  | 5.7               | 5.9  | 6.1  | 4.6    | 4.7  | 4.9 | 3.9    | 4.4 | 4.5 | 250 |
| 255 | 5.7    | 6.2  |      | 5.5    | 5.7  | 5.7  | 5.4               | 5.7  | 5.9  | 4.4    | 4.6  | 4.7 | 3.6    | 4.1 | 4.2 | 255 |
| 260 | 4.9    | 5.4  |      | 5.4    | 5.4  |      | 4.9               | 5.4  | 5.6  | 4.2    | 4.4  | 4.5 | 3.3    | 3.7 | 3.9 | 260 |
| 265 |        | 3.4  |      | 5.2    | 5.3  |      | 4.4               | 5.1  | 5.3  | 4      | 4.2  | 4.4 | 3      | 3.4 | 3.5 | 265 |
| 270 |        |      |      | 4.7    | 5.1  |      | 3.9               | 4.5  | 4.6  | 3.7    | 4    | 4.1 | 2.7    | 3.1 | 3.2 | 270 |
| 275 |        |      |      | 2.8    | 4.5  |      | 3.3               | 3.9  |      | 3.3    | 3.8  | 3.9 | 2.4    | 2.8 | 2.9 | 275 |
| 280 |        |      |      |        |      |      | 2.8               | 3.4  |      | 2.5    | 3.4  | 3.5 |        | 2.5 | 2.5 | 280 |
| 285 |        |      |      |        |      |      |                   | 2.8  |      |        | 2.9  | 2.9 |        |     |     | 285 |

t\_240\_002\_50301\_00\_000 / 52301\_00\_000 / 54301\_00\_000

# Lifting heights

## Hauteurs de levage

TK



# Lifting capacities

## Forces de levage

TK



|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>K 64 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|-------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 31.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 12  |
| 13  | 31.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 13  |
| 14  | 31.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 14  |
| 15  | 31.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 15  |
| 16  | 31.2  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 16  |
| 17  | 31    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 17  |
| 18  | 30.7  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 18  |
| 19  | 30.5  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 19  |
| 20  | 30.2  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 20  |
| 22  | 29.6  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 22  |
| 24  | 29    |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 24  |
| 26  | 28.4  |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 26  |
| 28  | 27.7  |      |      | 31.4   |      |      |                   |      |      |        |      |      |        |      |      | 28  |
| 30  | 27.1  |      |      | 31.4   |      |      | 27                |      |      |        |      |      |        |      |      | 30  |
| 32  | 26.4  | 22.9 |      | 31.4   |      |      | 27                |      |      |        |      |      |        |      |      | 32  |
| 34  | 25.8  | 22.3 |      | 31.3   |      |      | 27                |      |      | 24.9   |      |      |        |      |      | 34  |
| 36  | 25.2  | 21.6 |      | 31.1   |      |      | 27                |      |      | 24.9   |      |      |        |      |      | 36  |
| 38  | 24.6  | 21   |      | 30.9   |      |      | 27                |      |      | 24.9   |      |      | 22.1   |      |      | 38  |
| 40  | 24    | 20.4 |      | 30.6   |      |      | 27                |      |      | 25     |      |      | 22.1   |      |      | 40  |
| 45  | 22.6  | 19.1 |      | 29.8   |      |      | 27                |      |      | 25     |      |      | 22.1   |      |      | 45  |
| 50  | 21.2  | 17.9 | 15.1 | 29     | 22.7 |      | 26.9              |      |      | 25     |      |      | 22.2   |      |      | 50  |
| 55  | 19.7  | 16.9 | 14.3 | 28.1   | 21.8 |      | 26.7              | 22.3 |      | 24.7   |      |      | 22.1   |      |      | 55  |
| 60  | 18.2  | 16   | 13.7 | 27.3   | 21   |      | 26.1              | 21.7 |      | 24.3   | 20.9 |      | 21.9   |      |      | 60  |
| 65  | 16.9  | 15.2 | 13.1 | 26.4   | 20.3 | 15.4 | 25.5              | 21.2 |      | 23.9   | 20.4 |      | 21.6   | 19.3 |      | 65  |
| 70  | 15.6  | 14.5 | 12.6 | 25.6   | 19.6 | 15   | 25                | 20.6 | 15.9 | 23.4   | 19.9 |      | 21.3   | 18.9 |      | 70  |
| 75  | 14.5  | 13.8 | 12.2 | 24.8   | 18.9 | 14.6 | 24.3              | 20.1 | 15.7 | 23     | 19.5 | 15.5 | 21     | 18.6 |      | 75  |
| 80  | 13.6  | 13.2 | 11.9 | 24     | 18.3 | 14.3 | 23.7              | 19.6 | 15.4 | 22.5   | 19.1 | 15.2 | 20.7   | 18.2 | 14.9 | 80  |
| 85  | 12.7  | 12.7 | 11.7 | 23.2   | 17.8 | 14   | 23.1              | 19.1 | 15.1 | 22.1   | 18.7 | 14.9 | 20.4   | 17.9 | 14.6 | 85  |
| 90  | 11.9  | 12.2 | 11.6 | 22.4   | 17.2 | 13.7 | 22.5              | 18.6 | 14.8 | 21.6   | 18.2 | 14.7 | 20     | 17.5 | 14.4 | 90  |
| 95  | 11.3  | 11.8 | 11.6 | 21.7   | 16.7 | 13.4 | 21.9              | 18.1 | 14.5 | 21.1   | 17.8 | 14.4 | 19.7   | 17.2 | 14.2 | 95  |
| 100 | 10.7  | 11.6 | 5.1  | 20.9   | 16.2 | 13.1 | 21.4              | 17.6 | 14.3 | 20.7   | 17.4 | 14.2 | 19.4   | 16.8 | 14   | 100 |
| 105 | 10.3  |      |      | 20.1   | 15.8 | 12.9 | 20.8              | 17.1 | 14.1 | 20.2   | 17   | 14   | 19.1   | 16.5 | 13.8 | 105 |
| 110 |       |      |      | 19.3   | 15.4 | 12.7 | 20.3              | 16.7 | 13.9 | 19.8   | 16.6 | 13.8 | 18.8   | 16.2 | 13.6 | 110 |
| 115 |       |      |      | 18.5   | 15   | 12.5 | 19.8              | 16.3 | 13.7 | 19.4   | 16.2 | 13.6 | 18.4   | 15.9 | 13.4 | 115 |
| 120 |       |      |      | 17.7   | 14.7 | 12.3 | 19.3              | 15.9 | 13.5 | 18.9   | 15.9 | 13.4 | 18.1   | 15.5 | 13.2 | 120 |
| 125 |       |      |      | 17     | 14.3 | 12.1 | 18.8              | 15.6 | 13.3 | 18.5   | 15.6 | 13.3 | 17.8   | 15.2 | 13.1 | 125 |
| 130 |       |      |      | 16.3   | 14   | 12   | 18.3              | 15.3 | 13.2 | 18.1   | 15.2 | 13.1 | 17.5   | 15   | 13   | 130 |
| 135 |       |      |      | 15.6   | 13.7 | 11.9 | 17.8              | 14.9 | 13   | 17.7   | 15   | 13   | 17.2   | 14.7 | 12.8 | 135 |
| 140 |       |      |      | 15     | 13.4 | 11.8 | 17.3              | 14.6 | 12.9 | 17.3   | 14.7 | 12.9 | 16.8   | 14.4 | 12.8 | 140 |
| 145 |       |      |      | 14.5   | 13.1 | 11.7 | 16.9              | 14.3 | 12.8 | 16.9   | 14.4 | 12.8 | 16.5   | 14.2 | 12.7 | 145 |
| 150 |       |      |      | 14     | 12.9 | 11.7 | 16.4              | 14   | 12.8 | 16.5   | 14.1 | 12.7 | 16.2   | 14   | 12.6 | 150 |
| 155 |       |      |      | 13.5   | 12.6 | 11.6 | 15.9              | 13.8 | 12.7 | 16.1   | 13.9 | 12.7 | 15.8   | 13.7 | 12.5 | 155 |
| 160 |       |      |      | 13     | 12.3 | 11.6 | 15.4              | 13.5 | 12.6 | 15.7   | 13.6 | 12.6 | 15.5   | 13.5 | 12.5 | 160 |
| 165 |       |      |      | 12.5   | 12.1 | 11.6 | 14.9              | 13.3 | 12.6 | 15.3   | 13.3 | 12.6 | 15.1   | 13.3 | 12.4 | 165 |
| 170 |       |      |      | 12.1   | 12   | 11.6 | 14.4              | 13   | 12.6 | 14.9   | 13.1 | 12.5 | 14.7   | 13.1 | 12.4 | 170 |
| 175 |       |      |      | 11.8   | 11.8 | 8.6  | 13.9              | 12.8 | 12.6 | 14.5   | 12.9 | 12.5 | 14.2   | 12.9 | 12.3 | 175 |
| 180 |       |      |      | 11.4   | 11.7 | 6.3  | 13.5              | 12.6 | 12.6 | 14.1   | 12.7 | 12.5 | 13.8   | 12.7 | 12.3 | 180 |
| 185 |       |      |      | 11.1   | 11.6 |      | 13.1              | 12.5 | 10.6 | 13.7   | 12.5 | 12.4 | 13.3   | 12.5 | 12.3 | 185 |
| 190 |       |      |      | 10.8   | 11.6 |      | 12.7              | 12.3 | 7.6  | 13.3   | 12.4 | 12.4 | 12.7   | 12.2 | 12.3 | 190 |
| 195 |       |      |      | 10.5   | 11.1 |      | 12.3              | 12.3 | 5.8  | 12.8   | 12.3 | 11.8 | 12.2   | 12   | 12.3 | 195 |
| 200 |       |      |      |        |      |      | 12                | 12.2 |      | 12.4   | 12.2 | 9.1  | 11.3   | 11.8 | 12   | 200 |
| 205 |       |      |      |        |      |      | 11.5              | 12.2 |      | 11.9   | 11.9 | 7    | 10.5   | 11.4 | 11.6 | 205 |
| 210 |       |      |      |        |      |      | 8.2               | 10.9 |      | 11.2   | 11.5 | 5.5  | 9.7    | 10.6 | 10.6 | 210 |
| 215 |       |      |      |        |      |      |                   | 3.8  |      | 10.5   | 11   |      | 9.4    | 9.7  | 8.2  | 215 |
| 220 |       |      |      |        |      |      |                   |      |      | 9.3    | 10.2 |      | 9      | 9.2  | 6.5  | 220 |
| 225 |       |      |      |        |      |      |                   |      |      | 6.3    | 8.4  |      | 8.7    | 8.8  | 5.2  | 225 |
| 230 |       |      |      |        |      |      |                   |      |      |        | 3.4  |      | 8.3    | 8.5  |      | 230 |
| 235 |       |      |      |        |      |      |                   |      |      |        |      |      | 7.4    | 8.1  |      | 235 |
| 240 |       |      |      |        |      |      |                   |      |      |        |      |      | 5.4    | 6.8  |      | 240 |
| 245 |       |      |      |        |      |      |                   |      |      |        |      |      | 4.1    | 5.4  |      | 245 |

t 240,002,50201,00,000 / 52201,00,000 / 54201,00,000



# Lifting capacities

## Forces de levage



|     | 208 ft |      |      | 224 ft |      |      | 240 ft<br>K 64 ft |      |      | 253 ft |      |      | 256 ft |      |      |     |
|-----|--------|------|------|--------|------|------|-------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 45  | 19.2   |      |      |        |      |      |                   |      |      |        |      |      |        |      |      | 45  |
| 50  | 19.2   |      |      | 16.4   |      |      |                   |      |      |        |      |      |        |      |      | 50  |
| 55  | 19.3   |      |      | 16.4   |      |      | 13.8              |      |      |        |      |      |        |      |      | 55  |
| 60  | 19.2   |      |      | 16.4   |      |      | 13.9              |      |      | 11.9   |      |      | 11.6   |      |      | 60  |
| 65  | 19.1   |      |      | 16.4   |      |      | 13.9              |      |      | 11.9   |      |      | 11.6   |      |      | 65  |
| 70  | 18.9   | 17.5 |      | 16.4   |      |      | 13.9              |      |      | 12     |      |      | 11.7   |      |      | 70  |
| 75  | 18.7   | 17.2 |      | 16.3   | 15.5 |      | 13.9              |      |      | 12     |      |      | 11.7   |      |      | 75  |
| 80  | 18.5   | 17   |      | 16.2   | 15.4 |      | 13.8              |      |      | 11.8   |      |      | 11.6   |      |      | 80  |
| 85  | 18.3   | 16.7 | 14.2 | 16     | 15.2 |      | 13.7              | 13.2 |      | 11.7   |      |      | 11.5   |      |      | 85  |
| 90  | 18.1   | 16.5 | 14   | 15.9   | 15.1 |      | 13.6              | 13.2 |      | 11.6   | 11.2 |      | 11.4   | 10.9 |      | 90  |
| 95  | 17.9   | 16.2 | 13.8 | 15.7   | 14.9 | 13.1 | 13.5              | 13.1 |      | 11.5   | 11.2 |      | 11.3   | 10.9 |      | 95  |
| 100 | 17.7   | 15.9 | 13.6 | 15.6   | 14.8 | 13   | 13.3              | 12.9 | 12.1 | 11.4   | 11.1 |      | 11.2   | 10.8 |      | 100 |
| 105 | 17.4   | 15.7 | 13.4 | 15.4   | 14.6 | 12.9 | 13.2              | 12.6 | 12   | 11.2   | 10.9 | 10.5 | 11.1   | 10.7 | 10.4 | 105 |
| 110 | 17.2   | 15.4 | 13.2 | 15.2   | 14.4 | 12.7 | 13                | 12.2 | 11.7 | 11.1   | 10.6 | 10.2 | 10.9   | 10.5 | 10.2 | 110 |
| 115 | 17     | 15.2 | 13.1 | 15     | 14.2 | 12.6 | 12.8              | 11.9 | 11.4 | 10.9   | 10.3 | 10   | 10.7   | 10.2 | 9.9  | 115 |
| 120 | 16.8   | 14.9 | 13   | 14.8   | 14   | 12.5 | 12.5              | 11.6 | 11.2 | 10.7   | 10.1 | 9.7  | 10.6   | 10   | 9.7  | 120 |
| 125 | 16.6   | 14.7 | 12.8 | 14.6   | 13.8 | 12.4 | 12.2              | 11.3 | 10.9 | 10.5   | 9.8  | 9.5  | 10.4   | 9.7  | 9.4  | 125 |
| 130 | 16.3   | 14.4 | 12.7 | 14.3   | 13.6 | 12.3 | 11.8              | 11   | 10.6 | 10.2   | 9.6  | 9.3  | 10.1   | 9.5  | 9.2  | 130 |
| 135 | 16.1   | 14.2 | 12.6 | 14     | 13.4 | 12.2 | 11.5              | 10.7 | 10.4 | 9.9    | 9.3  | 9    | 9.8    | 9.2  | 9    | 135 |
| 140 | 15.9   | 14   | 12.5 | 13.7   | 13.2 | 12.2 | 11.2              | 10.5 | 10.1 | 9.6    | 9.1  | 8.8  | 9.5    | 9    | 8.8  | 140 |
| 145 | 15.6   | 13.8 | 12.4 | 13.2   | 12.9 | 12.1 | 10.9              | 10.2 | 9.9  | 9.3    | 8.9  | 8.6  | 9.2    | 8.8  | 8.6  | 145 |
| 150 | 15.2   | 13.6 | 12.4 | 12.8   | 12.6 | 12   | 10.6              | 9.9  | 9.7  | 9      | 8.6  | 8.4  | 8.9    | 8.6  | 8.4  | 150 |
| 155 | 14.8   | 13.4 | 12.3 | 12.4   | 12.2 | 11.9 | 10.4              | 9.7  | 9.5  | 8.7    | 8.4  | 8.2  | 8.6    | 8.4  | 8.2  | 155 |
| 160 | 14.3   | 13.1 | 12.2 | 12     | 11.8 | 11.7 | 10.1              | 9.5  | 9.2  | 8.4    | 8.2  | 8    | 8.3    | 8.2  | 8    | 160 |
| 165 | 13.9   | 12.9 | 12.2 | 11.6   | 11.5 | 11.5 | 9.8               | 9.2  | 9    | 8.1    | 8    | 7.8  | 8.1    | 7.9  | 7.8  | 165 |
| 170 | 13.4   | 12.7 | 12.1 | 11.2   | 11.1 | 11.2 | 9.5               | 9    | 8.9  | 7.8    | 7.8  | 7.7  | 7.8    | 7.7  | 7.7  | 170 |
| 175 | 13     | 12.5 | 12.1 | 10.9   | 10.8 | 10.9 | 9.2               | 8.8  | 8.7  | 7.5    | 7.5  | 7.5  | 7.5    | 7.5  | 7.5  | 175 |
| 180 | 12.5   | 12.2 | 12   | 10.5   | 10.5 | 10.6 | 9                 | 8.6  | 8.5  | 7.2    | 7.3  | 7.3  | 7.2    | 7.3  | 7.3  | 180 |
| 185 | 12     | 11.9 | 11.9 | 10.1   | 10.1 | 10.3 | 8.7               | 8.4  | 8.3  | 7      | 7.1  | 7.2  | 7      | 7.1  | 7.1  | 185 |
| 190 | 11.4   | 11.6 | 11.7 | 9.8    | 9.8  | 10   | 8.4               | 8.2  | 8.2  | 6.8    | 6.9  | 7    | 6.8    | 6.9  | 7    | 190 |
| 195 | 10.9   | 11.3 | 11.6 | 9.5    | 9.5  | 9.7  | 8.1               | 8    | 8    | 6.6    | 6.7  | 6.8  | 6.6    | 6.7  | 6.8  | 195 |
| 200 | 10.4   | 10.9 | 11.1 | 9.2    | 9.2  | 9.4  | 7.8               | 7.9  | 7.9  | 6.4    | 6.5  | 6.6  | 6.4    | 6.5  | 6.6  | 200 |
| 205 | 10     | 10.4 | 10.7 | 8.9    | 8.9  | 9.1  | 7.6               | 7.6  | 7.7  | 6.2    | 6.3  | 6.4  | 6.2    | 6.3  | 6.4  | 205 |
| 210 | 9.5    | 9.9  | 10.2 | 8.6    | 8.6  | 8.8  | 7.4               | 7.4  | 7.5  | 6      | 6.1  | 6.2  | 6      | 6.1  | 6.2  | 210 |
| 215 | 8.9    | 9.5  | 9.7  | 8.3    | 8.3  | 8.6  | 7.2               | 7.2  | 7.3  | 5.8    | 5.9  | 6    | 5.8    | 5.9  | 6    | 215 |
| 220 | 8.3    | 9    | 9.2  | 7.9    | 8    | 8.3  | 7                 | 7    | 7.1  | 5.7    | 5.7  | 5.9  | 5.5    | 5.7  | 5.9  | 220 |
| 225 | 7.6    | 8.4  | 8.6  | 7.6    | 7.7  | 8    | 6.7               | 6.8  | 6.9  | 5.5    | 5.5  | 5.7  | 5.2    | 5.5  | 5.7  | 225 |
| 230 | 7.3    | 7.7  | 7.5  | 7.2    | 7.4  | 7.7  | 6.5               | 6.6  | 6.8  | 5.3    | 5.4  | 5.5  | 4.9    | 5.3  | 5.5  | 230 |
| 235 | 7      | 7.1  | 6.1  | 6.8    | 7.1  | 7.3  | 6.3               | 6.4  | 6.6  | 5.2    | 5.2  | 5.3  | 4.6    | 5.1  | 5.3  | 235 |
| 240 | 6.8    | 6.9  | 5    | 6.3    | 6.8  | 7    | 6.1               | 6.3  | 6.4  | 5      | 5    | 5.2  | 4.3    | 4.8  | 5    | 240 |
| 245 | 6.6    | 6.6  |      | 5.9    | 6.3  | 6.5  | 5.8               | 6.1  | 6.2  | 4.8    | 4.9  | 5    | 4.1    | 4.5  | 4.7  | 245 |
| 250 | 6      | 6.4  |      | 5.7    | 5.8  | 5.8  | 5.6               | 5.9  | 6.1  | 4.6    | 4.7  | 4.9  | 3.8    | 4.2  | 4.4  | 250 |
| 255 | 5      | 5.6  |      | 5.5    | 5.6  |      | 5.1               | 5.6  | 5.8  | 4.4    | 4.6  | 4.7  | 3.5    | 3.8  | 4    | 255 |
| 260 |        | 3.6  |      | 5.4    | 5.4  |      | 4.6               | 5.3  | 5.4  | 4.1    | 4.4  | 4.5  | 3.2    | 3.5  | 3.7  | 260 |
| 265 |        |      |      | 4.9    | 5.3  |      | 4                 | 4.7  | 4.8  | 3.8    | 4.1  | 4.3  | 2.9    | 3.2  | 3.3  | 265 |
| 270 |        |      |      | 3      | 4.6  |      | 3.5               | 4.1  |      | 3.3    | 3.9  | 4    | 2.6    | 2.9  | 3    | 270 |
| 275 |        |      |      |        |      |      | 3                 | 3.5  |      |        | 3.5  | 3.6  |        | 2.6  | 2.6  | 275 |
| 280 |        |      |      |        |      |      |                   | 2.9  |      |        | 2.5  | 2.6  |        |      |      | 280 |

t 240\_002,50201\_00\_000 / 52201\_00\_000 / 54201\_00\_000

# Lifting capacities

## Forces de levage

TK



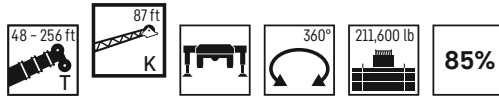
|     | 48 ft |      |     | 144 ft |      |     | 160 ft<br>K 87 ft |      |     | 176 ft |      |     | 192 ft |      |     |     |
|-----|-------|------|-----|--------|------|-----|-------------------|------|-----|--------|------|-----|--------|------|-----|-----|
|     | 0°    | 20°  | 40° | 0°     | 20°  | 40° | 0°                | 20°  | 40° | 0°     | 20°  | 40° | 0°     | 20°  | 40° |     |
| 14  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 14  |
| 15  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 15  |
| 16  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 16  |
| 17  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 17  |
| 18  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 18  |
| 19  | 19.5  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 19  |
| 20  | 19.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 20  |
| 22  | 19.3  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 22  |
| 24  | 19.1  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 24  |
| 26  | 18.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 26  |
| 28  | 18.5  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 28  |
| 30  | 18.2  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 30  |
| 32  | 17.8  |      |     | 19.4   |      |     |                   |      |     |        |      |     |        |      |     | 32  |
| 34  | 17.5  |      |     | 19.4   |      |     | 18                |      |     |        |      |     |        |      |     | 34  |
| 36  | 17.1  |      |     | 19.5   |      |     | 18.1              |      |     |        |      |     |        |      |     | 36  |
| 38  | 16.8  |      |     | 19.5   |      |     | 18.1              |      |     | 16.5   |      |     |        |      |     | 38  |
| 40  | 16.4  |      |     | 19.4   |      |     | 18.1              |      |     | 16.6   |      |     |        |      |     | 40  |
| 45  | 15.6  | 13.5 |     | 19.2   |      |     | 18.1              |      |     | 16.6   |      |     | 14.9   |      |     | 45  |
| 50  | 14.8  | 12.7 |     | 18.8   |      |     | 17.8              |      |     | 16.5   |      |     | 15     |      |     | 50  |
| 55  | 14    | 11.9 |     | 18.3   |      |     | 17.5              |      |     | 16.4   |      |     | 14.9   |      |     | 55  |
| 60  | 13.1  | 11.2 |     | 17.8   |      |     | 17                |      |     | 16.1   |      |     | 14.7   |      |     | 60  |
| 65  | 12.4  | 10.6 | 8.9 | 17.2   | 13.4 |     | 16.6              | 13.1 |     | 15.7   |      |     | 14.5   |      |     | 65  |
| 70  | 11.6  | 10   | 8.5 | 16.7   | 12.9 |     | 16.2              | 12.7 |     | 15.4   | 12.4 |     | 14.3   |      |     | 70  |
| 75  | 10.9  | 9.5  | 8.1 | 16.2   | 12.4 |     | 15.8              | 12.3 |     | 15     | 12   |     | 14     | 11.6 |     | 75  |
| 80  | 10.3  | 9    | 7.8 | 15.7   | 12   |     | 15.3              | 11.9 |     | 14.7   | 11.7 |     | 13.7   | 11.3 |     | 80  |
| 85  | 9.7   | 8.5  | 7.5 | 15.2   | 11.5 | 8.7 | 14.9              | 11.5 |     | 14.3   | 11.3 |     | 13.4   | 11   |     | 85  |
| 90  | 9.1   | 8.2  | 7.3 | 14.8   | 11.1 | 8.5 | 14.5              | 11.1 | 8.5 | 14     | 11   | 8.4 | 13.2   | 10.7 |     | 90  |
| 95  | 8.6   | 7.8  | 7.1 | 14.3   | 10.8 | 8.3 | 14.1              | 10.8 | 8.3 | 13.6   | 10.7 | 8.2 | 12.9   | 10.4 | 8   | 95  |
| 100 | 8.2   | 7.5  | 6.9 | 13.8   | 10.5 | 8.1 | 13.7              | 10.5 | 8.1 | 13.3   | 10.4 | 8   | 12.6   | 10.1 | 7.9 | 100 |
| 105 | 7.8   | 7.3  | 6.8 | 13.3   | 10.1 | 8   | 13.3              | 10.2 | 7.9 | 13     | 10.1 | 7.9 | 12.3   | 9.8  | 7.8 | 105 |
| 110 | 7.3   | 7    | 6.8 | 12.9   | 9.8  | 7.8 | 12.9              | 9.9  | 7.8 | 12.6   | 9.8  | 7.7 | 12.1   | 9.6  | 7.6 | 110 |
| 115 | 7     | 6.9  | 6.8 | 12.4   | 9.5  | 7.6 | 12.5              | 9.6  | 7.6 | 12.3   | 9.6  | 7.6 | 11.8   | 9.3  | 7.5 | 115 |
| 120 | 6.7   | 6.8  | 6.8 | 12     | 9.3  | 7.5 | 12.1              | 9.3  | 7.5 | 12     | 9.3  | 7.5 | 11.5   | 9.1  | 7.4 | 120 |
| 125 | 6.5   | 6.8  |     | 11.5   | 9    | 7.4 | 11.7              | 9.1  | 7.4 | 11.6   | 9    | 7.3 | 11.3   | 8.9  | 7.3 | 125 |
| 130 |       |      |     | 11.1   | 8.8  | 7.3 | 11.4              | 8.8  | 7.3 | 11.3   | 8.8  | 7.2 | 11     | 8.7  | 7.2 | 130 |
| 135 |       |      |     | 10.7   | 8.5  | 7.2 | 11                | 8.6  | 7.2 | 11     | 8.6  | 7.1 | 10.7   | 8.5  | 7.1 | 135 |
| 140 |       |      |     | 10.3   | 8.3  | 7.1 | 10.6              | 8.4  | 7.1 | 10.7   | 8.4  | 7   | 10.4   | 8.3  | 7   | 140 |
| 145 |       |      |     | 10     | 8.1  | 7   | 10.2              | 8.2  | 7   | 10.4   | 8.2  | 7   | 10.2   | 8.2  | 6.9 | 145 |
| 150 |       |      |     | 9.6    | 7.9  | 6.9 | 9.9               | 8    | 6.9 | 10.1   | 8.1  | 6.9 | 9.9    | 8    | 6.8 | 150 |
| 155 |       |      |     | 9.3    | 7.8  | 6.9 | 9.6               | 7.9  | 6.9 | 9.8    | 7.9  | 6.8 | 9.7    | 7.8  | 6.8 | 155 |
| 160 |       |      |     | 9      | 7.6  | 6.8 | 9.3               | 7.7  | 6.8 | 9.5    | 7.7  | 6.8 | 9.4    | 7.7  | 6.7 | 160 |
| 165 |       |      |     | 8.8    | 7.4  | 6.8 | 9                 | 7.6  | 6.8 | 9.2    | 7.6  | 6.7 | 9.2    | 7.5  | 6.7 | 165 |
| 170 |       |      |     | 8.5    | 7.3  | 6.8 | 8.8               | 7.4  | 6.8 | 9      | 7.4  | 6.7 | 8.9    | 7.4  | 6.6 | 170 |
| 175 |       |      |     | 8.2    | 7.2  | 6.8 | 8.5               | 7.3  | 6.7 | 8.7    | 7.3  | 6.7 | 8.7    | 7.3  | 6.6 | 175 |
| 180 |       |      |     | 7.9    | 7.1  | 6.8 | 8.3               | 7.2  | 6.7 | 8.5    | 7.2  | 6.6 | 8.5    | 7.2  | 6.6 | 180 |
| 185 |       |      |     | 7.7    | 7    | 6.8 | 8.1               | 7.1  | 6.7 | 8.2    | 7.1  | 6.6 | 8.3    | 7.1  | 6.6 | 185 |
| 190 |       |      |     | 7.5    | 6.9  | 6.8 | 7.9               | 7    | 6.7 | 8      | 7    | 6.6 | 8.1    | 7    | 6.5 | 190 |
| 195 |       |      |     | 7.2    | 6.9  | 6.8 | 7.6               | 6.9  | 6.7 | 7.9    | 6.9  | 6.6 | 7.9    | 6.9  | 6.5 | 195 |
| 200 |       |      |     | 7      | 6.8  | 6.8 | 7.4               | 6.8  | 6.7 | 7.7    | 6.9  | 6.6 | 7.7    | 6.8  | 6.5 | 200 |
| 205 |       |      |     | 6.9    | 6.8  | 5.4 | 7.3               | 6.8  | 6.7 | 7.5    | 6.8  | 6.6 | 7.6    | 6.8  | 6.5 | 205 |
| 210 |       |      |     | 6.7    | 6.8  |     | 7.1               | 6.8  | 6.7 | 7.4    | 6.7  | 6.6 | 7.5    | 6.7  | 6.5 | 210 |
| 215 |       |      |     | 6.6    | 6.8  |     | 6.9               | 6.8  | 6.5 | 7.2    | 6.7  | 6.6 | 7.3    | 6.7  | 6.5 | 215 |
| 220 |       |      |     | 6.1    | 6.8  |     | 6.8               | 6.8  | 5.1 | 7.1    | 6.7  | 6.6 | 7.2    | 6.6  | 6.5 | 220 |
| 225 |       |      |     |        |      |     | 6.6               | 6.8  |     | 6.9    | 6.7  | 6.6 | 7.1    | 6.6  | 6.5 | 225 |
| 230 |       |      |     |        |      |     | 6.5               | 6.8  |     | 6.8    | 6.6  | 6.2 | 6.9    | 6.6  | 6.5 | 230 |
| 235 |       |      |     |        |      |     | 4.4               | 6.6  |     | 6.6    | 6.6  |     | 6.8    | 6.6  | 6.5 | 235 |
| 240 |       |      |     |        |      |     |                   |      |     | 6.6    | 6.6  |     | 6.7    | 6.6  | 6.5 | 240 |
| 245 |       |      |     |        |      |     |                   |      |     | 5.7    | 6.6  |     | 6.6    | 6.6  | 5.9 | 245 |
| 250 |       |      |     |        |      |     |                   |      |     | 2.8    | 5.1  |     | 6.5    | 6.5  |     | 250 |
| 255 |       |      |     |        |      |     |                   |      |     |        |      |     | 6.2    | 6.4  |     | 255 |
| 260 |       |      |     |        |      |     |                   |      |     |        |      |     | 4.4    | 6.2  |     | 260 |
| 265 |       |      |     |        |      |     |                   |      |     |        |      |     | 3.9    | 4    |     | 265 |

t\_240\_002\_50401\_00\_000 / 52401\_00\_000 / 54401\_00\_000

# Lifting capacities

## Forces de levage

TK

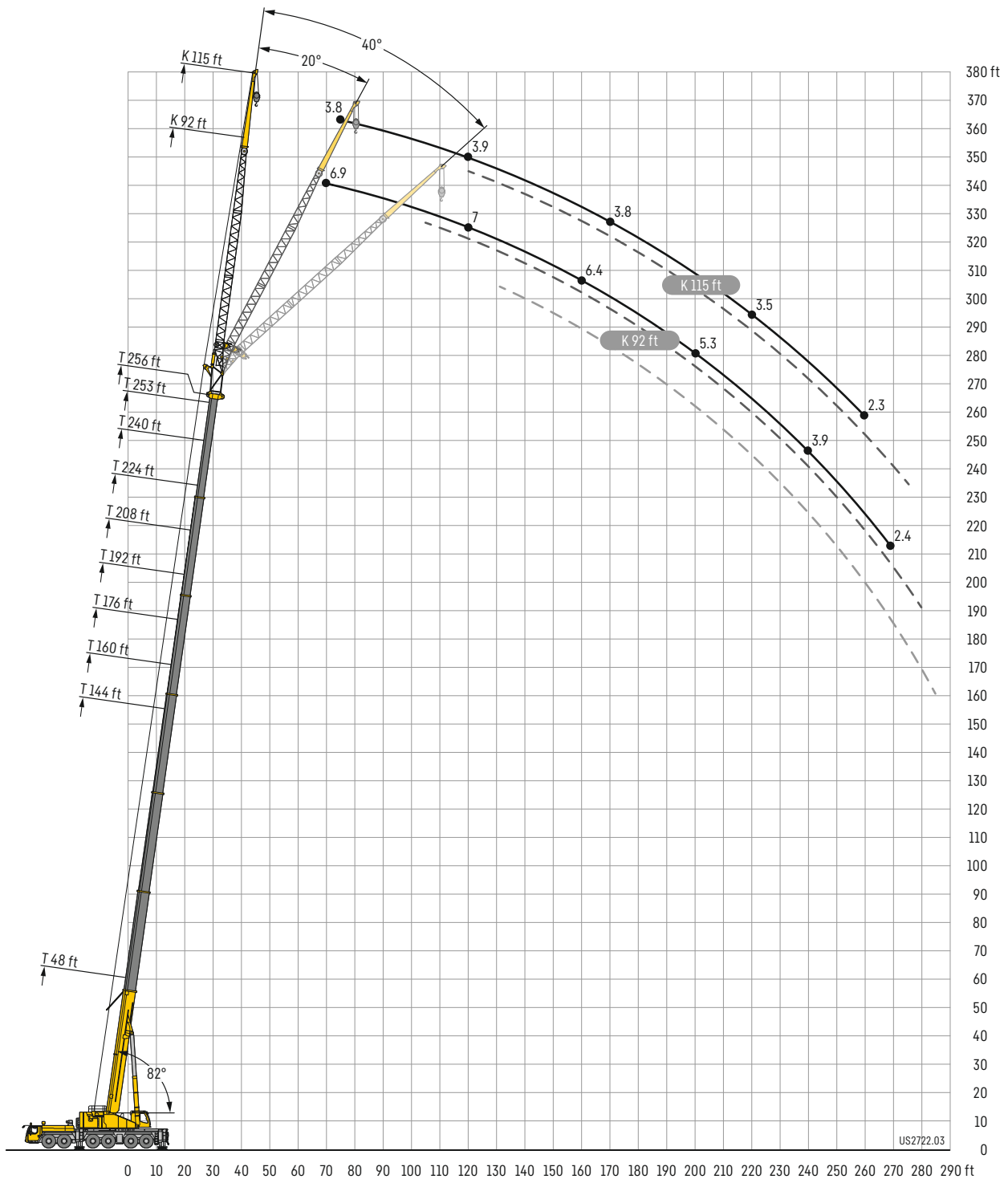


|     | 208 ft |      |     | 224 ft |     |     | 240 ft<br>K 87 ft |     |     | 253 ft |     |     | 256 ft |     |     |     |
|-----|--------|------|-----|--------|-----|-----|-------------------|-----|-----|--------|-----|-----|--------|-----|-----|-----|
|     | 0°     | 20°  | 40° | 0°     | 20° | 40° | 0°                | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° |     |
| 50  | 13.1   |      |     |        |     |     |                   |     |     |        |     |     |        |     |     | 50  |
| 55  | 13.1   |      |     | 11.2   |     |     |                   |     |     |        |     |     |        |     |     | 55  |
| 60  | 13.1   |      |     | 11.3   |     |     | 9.4               |     |     |        |     |     |        |     |     | 60  |
| 65  | 13     |      |     | 11.3   |     |     | 9.5               |     |     | 7.8    |     |     | 7.5    |     |     | 65  |
| 70  | 12.9   |      |     | 11.2   |     |     | 9.5               |     |     | 8.1    |     |     | 7.8    |     |     | 70  |
| 75  | 12.7   |      |     | 11.1   |     |     | 9.5               |     |     | 8.2    |     |     | 7.9    |     |     | 75  |
| 80  | 12.5   | 10.6 |     | 11     |     |     | 9.5               |     |     | 8.2    |     |     | 7.9    |     |     | 80  |
| 85  | 12.3   | 10.4 |     | 10.9   |     |     | 9.4               |     |     | 8.1    |     |     | 7.9    |     |     | 85  |
| 90  | 12.1   | 10.1 |     | 10.8   | 9.4 |     | 9.3               |     |     | 8      |     |     | 7.8    |     |     | 90  |
| 95  | 11.9   | 9.9  |     | 10.6   | 9.2 |     | 9.2               | 8.4 |     | 7.9    |     |     | 7.7    |     |     | 95  |
| 100 | 11.7   | 9.7  |     | 10.5   | 9   |     | 9.1               | 8.3 |     | 7.8    | 7.4 |     | 7.7    |     |     | 100 |
| 105 | 11.4   | 9.4  | 7.6 | 10.3   | 8.8 |     | 9                 | 8.1 |     | 7.8    | 7.3 |     | 7.6    | 7.3 |     | 105 |
| 110 | 11.2   | 9.2  | 7.4 | 10.2   | 8.7 | 7.1 | 8.9               | 8   |     | 7.7    | 7.3 |     | 7.6    | 7.3 |     | 110 |
| 115 | 11     | 9    | 7.3 | 10     | 8.5 | 7.1 | 8.8               | 7.9 | 6.7 | 7.7    | 7.3 |     | 7.5    | 7.2 |     | 115 |
| 120 | 10.8   | 8.8  | 7.2 | 9.9    | 8.4 | 7   | 8.7               | 7.7 | 6.7 | 7.6    | 7.2 |     | 7.5    | 7.1 |     | 120 |
| 125 | 10.6   | 8.6  | 7.1 | 9.7    | 8.2 | 6.9 | 8.6               | 7.6 | 6.7 | 7.6    | 7.1 | 6.4 | 7.5    | 7   | 6.4 | 125 |
| 130 | 10.4   | 8.5  | 7   | 9.6    | 8   | 6.8 | 8.5               | 7.5 | 6.6 | 7.6    | 7   | 6.4 | 7.4    | 6.9 | 6.3 | 130 |
| 135 | 10.2   | 8.3  | 7   | 9.4    | 7.9 | 6.8 | 8.4               | 7.4 | 6.5 | 7.5    | 6.9 | 6.3 | 7.4    | 6.9 | 6.3 | 135 |
| 140 | 10     | 8.1  | 6.9 | 9.3    | 7.8 | 6.7 | 8.3               | 7.3 | 6.5 | 7.4    | 6.8 | 6.3 | 7.2    | 6.8 | 6.2 | 140 |
| 145 | 9.8    | 8    | 6.8 | 9.1    | 7.6 | 6.7 | 8.2               | 7.2 | 6.4 | 7.2    | 6.8 | 6.2 | 7.1    | 6.7 | 6.2 | 145 |
| 150 | 9.5    | 7.8  | 6.7 | 9      | 7.5 | 6.6 | 8.1               | 7.1 | 6.4 | 7.1    | 6.7 | 6.2 | 7      | 6.6 | 6.2 | 150 |
| 155 | 9.3    | 7.7  | 6.7 | 8.8    | 7.4 | 6.5 | 8                 | 7   | 6.4 | 6.9    | 6.6 | 6.1 | 6.9    | 6.5 | 6.1 | 155 |
| 160 | 9.1    | 7.5  | 6.6 | 8.6    | 7.3 | 6.5 | 7.8               | 6.9 | 6.3 | 6.8    | 6.4 | 6.1 | 6.7    | 6.4 | 6.1 | 160 |
| 165 | 8.9    | 7.4  | 6.6 | 8.5    | 7.2 | 6.5 | 7.6               | 6.8 | 6.3 | 6.7    | 6.3 | 6   | 6.6    | 6.3 | 6   | 165 |
| 170 | 8.7    | 7.3  | 6.5 | 8.3    | 7.1 | 6.4 | 7.4               | 6.7 | 6.2 | 6.5    | 6.2 | 6   | 6.4    | 6.1 | 5.9 | 170 |
| 175 | 8.5    | 7.2  | 6.5 | 8.1    | 7   | 6.4 | 7.3               | 6.7 | 6.2 | 6.3    | 6   | 5.9 | 6.3    | 6   | 5.9 | 175 |
| 180 | 8.3    | 7.1  | 6.5 | 8      | 6.9 | 6.4 | 7.1               | 6.6 | 6.2 | 6.1    | 5.9 | 5.8 | 6.1    | 5.9 | 5.8 | 180 |
| 185 | 8.1    | 7    | 6.4 | 7.8    | 6.8 | 6.3 | 6.9               | 6.5 | 6.2 | 6      | 5.7 | 5.7 | 5.9    | 5.7 | 5.7 | 185 |
| 190 | 8      | 6.9  | 6.4 | 7.7    | 6.7 | 6.3 | 6.8               | 6.4 | 6.2 | 5.8    | 5.6 | 5.6 | 5.7    | 5.6 | 5.5 | 190 |
| 195 | 7.8    | 6.8  | 6.4 | 7.5    | 6.7 | 6.3 | 6.6               | 6.3 | 6.1 | 5.6    | 5.5 | 5.5 | 5.5    | 5.5 | 5.4 | 195 |
| 200 | 7.7    | 6.7  | 6.4 | 7.4    | 6.6 | 6.3 | 6.5               | 6.2 | 6.1 | 5.4    | 5.4 | 5.4 | 5.3    | 5.4 | 5.3 | 200 |
| 205 | 7.5    | 6.7  | 6.4 | 7.2    | 6.5 | 6.3 | 6.3               | 6   | 6   | 5.2    | 5.3 | 5.3 | 5.2    | 5.3 | 5.2 | 205 |
| 210 | 7.4    | 6.6  | 6.4 | 7.1    | 6.5 | 6.3 | 6.2               | 5.9 | 5.9 | 5      | 5.1 | 5.2 | 5      | 5.1 | 5.2 | 210 |
| 215 | 7.2    | 6.6  | 6.4 | 6.9    | 6.5 | 6.3 | 6.1               | 5.8 | 5.8 | 4.8    | 5   | 5.1 | 4.8    | 5   | 5.1 | 215 |
| 220 | 7.1    | 6.5  | 6.4 | 6.8    | 6.4 | 6.3 | 5.9               | 5.7 | 5.7 | 4.6    | 4.8 | 5   | 4.6    | 4.8 | 4.9 | 220 |
| 225 | 6.9    | 6.5  | 6.4 | 6.6    | 6.4 | 6.3 | 5.8               | 5.6 | 5.6 | 4.5    | 4.7 | 4.8 | 4.5    | 4.7 | 4.8 | 225 |
| 230 | 6.8    | 6.5  | 6.4 | 6.5    | 6.3 | 6.3 | 5.6               | 5.5 | 5.6 | 4.3    | 4.5 | 4.7 | 4.3    | 4.5 | 4.7 | 230 |
| 235 | 6.7    | 6.4  | 6.4 | 6.3    | 6.2 | 6.3 | 5.4               | 5.4 | 5.5 | 4.1    | 4.3 | 4.6 | 4.1    | 4.3 | 4.6 | 235 |
| 240 | 6.4    | 6.4  | 6.4 | 6      | 6.1 | 6.3 | 5.3               | 5.3 | 5.4 | 3.9    | 4.2 | 4.4 | 3.8    | 4.1 | 4.4 | 240 |
| 245 | 6      | 6.3  | 6.4 | 5.8    | 6   | 6.2 | 5.1               | 5.2 | 5.3 | 3.8    | 4   | 4.3 | 3.6    | 4   | 4.3 | 245 |
| 250 | 5.6    | 6.1  | 6.4 | 5.5    | 5.8 | 6.1 | 4.9               | 5   | 5.2 | 3.6    | 3.9 | 4.1 | 3.3    | 3.8 | 4.1 | 250 |
| 255 | 5.4    | 5.8  | 6   | 5.1    | 5.6 | 5.8 | 4.7               | 4.9 | 5.1 | 3.5    | 3.7 | 3.9 | 3      | 3.6 | 3.9 | 255 |
| 260 | 5.2    | 5.4  | 5.5 | 4.6    | 5.4 | 5.5 | 4.5               | 4.8 | 4.9 | 3.3    | 3.6 | 3.8 | 2.8    | 3.3 | 3.7 | 260 |
| 265 | 5.1    | 5.2  |     | 4.4    | 5   | 5.2 | 4.2               | 4.6 | 4.8 | 3.1    | 3.4 | 3.6 |        | 3.1 | 3.3 | 265 |
| 270 | 4.9    | 5    |     | 4.2    | 4.4 | 4.6 | 3.9               | 4.5 | 4.6 |        | 3.2 | 3.4 |        | 2.8 | 3   | 270 |
| 275 | 3.7    | 4.8  |     | 4.1    | 4.2 | 4.4 | 3.4               | 4.2 | 4.4 |        | 3   | 3.2 |        | 2.5 | 2.7 | 275 |
| 280 |        | 3.6  |     | 4      | 4.1 |     | 2.8               | 3.8 | 4   |        | 2.8 | 3   |        |     | 2.3 | 280 |
| 285 |        |      |     | 3.8    | 3.9 |     |                   | 3.3 | 3.4 |        |     | 2.6 |        |     |     | 285 |
| 290 |        |      |     | 2.3    | 3.8 |     |                   | 2.4 | 2.5 |        |     |     |        |     |     | 290 |

t\_240\_002\_50401\_00\_000 / 52401\_00\_000 / 54401\_00\_000

# Lifting heights

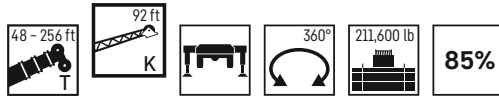
## Hauteurs de levage



# Lifting capacities

## Forces de levage

TK



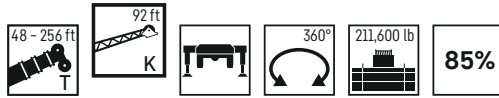
|     | 48 ft |      |     | 144 ft |      |     | 160 ft<br>K 92 ft |      |     | 176 ft |      |     | 192 ft |      |     |     |
|-----|-------|------|-----|--------|------|-----|-------------------|------|-----|--------|------|-----|--------|------|-----|-----|
|     | 0°    | 20°  | 40° | 0°     | 20°  | 40° | 0°                | 20°  | 40° | 0°     | 20°  | 40° | 0°     | 20°  | 40° |     |
| 15  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 15  |
| 16  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 16  |
| 17  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 17  |
| 18  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 18  |
| 19  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 19  |
| 20  | 16    |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 20  |
| 22  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 22  |
| 24  | 15.9  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 24  |
| 26  | 15.8  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 26  |
| 28  | 15.6  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 28  |
| 30  | 15.4  |      |     |        |      |     |                   |      |     |        |      |     |        |      |     | 30  |
| 32  | 15.2  |      |     | 15.4   |      |     |                   |      |     |        |      |     |        |      |     | 32  |
| 34  | 15    |      |     | 15.8   |      |     |                   |      |     |        |      |     |        |      |     | 34  |
| 36  | 14.8  |      |     | 15.9   |      |     | 14.9              |      |     |        |      |     |        |      |     | 36  |
| 38  | 14.5  |      |     | 16     |      |     | 15.1              |      |     |        |      |     |        |      |     | 38  |
| 40  | 14.3  |      |     | 15.9   |      |     | 15.2              |      |     | 14.1   |      |     |        |      |     | 40  |
| 45  | 13.7  |      |     | 15.9   |      |     | 15.2              |      |     | 14.2   |      |     | 12.9   |      |     | 45  |
| 50  | 13.1  | 11.6 |     | 15.7   |      |     | 15                |      |     | 14.2   |      |     | 13     |      |     | 50  |
| 55  | 12.5  | 10.9 |     | 15.4   |      |     | 14.8              |      |     | 14     |      |     | 13     |      |     | 55  |
| 60  | 11.9  | 10.3 |     | 15.1   |      |     | 14.6              |      |     | 13.8   |      |     | 12.9   |      |     | 60  |
| 65  | 11.2  | 9.7  |     | 14.8   | 12   |     | 14.3              |      |     | 13.6   |      |     | 12.7   |      |     | 65  |
| 70  | 10.6  | 9.2  | 7.8 | 14.4   | 11.6 |     | 14                | 11.5 |     | 13.3   |      |     | 12.5   |      |     | 70  |
| 75  | 10.1  | 8.8  | 7.5 | 14.1   | 11.2 |     | 13.7              | 11.1 |     | 13.1   | 10.9 |     | 12.3   |      |     | 75  |
| 80  | 9.5   | 8.3  | 7.2 | 13.7   | 10.8 |     | 13.4              | 10.7 |     | 12.8   | 10.5 |     | 12.1   | 10.2 |     | 80  |
| 85  | 9     | 8    | 7   | 13.4   | 10.5 |     | 13.1              | 10.4 |     | 12.6   | 10.2 |     | 11.9   | 9.9  |     | 85  |
| 90  | 8.5   | 7.6  | 6.8 | 13     | 10.1 | 7.8 | 12.8              | 10.1 | 7.8 | 12.3   | 9.9  |     | 11.6   | 9.7  |     | 90  |
| 95  | 8.1   | 7.3  | 6.7 | 12.6   | 9.8  | 7.6 | 12.5              | 9.8  | 7.6 | 12.1   | 9.7  | 7.5 | 11.4   | 9.4  |     | 95  |
| 100 | 7.7   | 7    | 6.5 | 12.3   | 9.5  | 7.5 | 12.2              | 9.5  | 7.4 | 11.8   | 9.4  | 7.4 | 11.2   | 9.2  | 7.2 | 100 |
| 105 | 7.3   | 6.8  | 6.4 | 11.9   | 9.2  | 7.3 | 11.9              | 9.3  | 7.3 | 11.5   | 9.1  | 7.2 | 11     | 8.9  | 7.1 | 105 |
| 110 | 7     | 6.6  | 6.3 | 11.5   | 9    | 7.2 | 11.5              | 9    | 7.2 | 11.3   | 8.9  | 7.1 | 10.8   | 8.7  | 7   | 110 |
| 115 | 6.7   | 6.5  | 6.3 | 11.2   | 8.7  | 7.1 | 11.2              | 8.8  | 7.1 | 11     | 8.7  | 7   | 10.6   | 8.5  | 6.9 | 115 |
| 120 | 6.5   | 6.4  | 6.3 | 10.8   | 8.5  | 7   | 10.9              | 8.5  | 6.9 | 10.7   | 8.5  | 6.9 | 10.4   | 8.3  | 6.8 | 120 |
| 125 | 6.2   | 6.3  | 6.3 | 10.5   | 8.2  | 6.9 | 10.6              | 8.3  | 6.8 | 10.4   | 8.3  | 6.8 | 10.1   | 8.1  | 6.7 | 125 |
| 130 | 6     | 6.3  |     | 10.1   | 8    | 6.8 | 10.3              | 8.1  | 6.7 | 10.2   | 8.1  | 6.7 | 9.9    | 8    | 6.6 | 130 |
| 135 |       |      |     | 9.8    | 7.8  | 6.7 | 9.9               | 7.9  | 6.7 | 9.9    | 7.9  | 6.6 | 9.7    | 7.8  | 6.6 | 135 |
| 140 |       |      |     | 9.4    | 7.6  | 6.6 | 9.7               | 7.7  | 6.6 | 9.7    | 7.7  | 6.6 | 9.4    | 7.6  | 6.5 | 140 |
| 145 |       |      |     | 9.1    | 7.4  | 6.5 | 9.3               | 7.5  | 6.5 | 9.4    | 7.5  | 6.5 | 9.2    | 7.5  | 6.4 | 145 |
| 150 |       |      |     | 8.8    | 7.3  | 6.5 | 9.1               | 7.4  | 6.4 | 9.1    | 7.4  | 6.4 | 9      | 7.3  | 6.4 | 150 |
| 155 |       |      |     | 8.5    | 7.2  | 6.4 | 8.8               | 7.2  | 6.4 | 8.9    | 7.3  | 6.4 | 8.8    | 7.2  | 6.3 | 155 |
| 160 |       |      |     | 8.3    | 7    | 6.4 | 8.6               | 7.1  | 6.3 | 8.6    | 7.1  | 6.3 | 8.6    | 7    | 6.3 | 160 |
| 165 |       |      |     | 8      | 6.9  | 6.3 | 8.3               | 7    | 6.3 | 8.4    | 7    | 6.2 | 8.4    | 6.9  | 6.2 | 165 |
| 170 |       |      |     | 7.8    | 6.8  | 6.3 | 8.1               | 6.9  | 6.3 | 8.2    | 6.9  | 6.2 | 8.2    | 6.8  | 6.1 | 170 |
| 175 |       |      |     | 7.6    | 6.7  | 6.3 | 7.8               | 6.7  | 6.2 | 8      | 6.8  | 6.2 | 7.9    | 6.7  | 6.1 | 175 |
| 180 |       |      |     | 7.4    | 6.6  | 6.3 | 7.6               | 6.7  | 6.2 | 7.8    | 6.7  | 6.1 | 7.8    | 6.6  | 6.1 | 180 |
| 185 |       |      |     | 7.2    | 6.5  | 6.3 | 7.5               | 6.6  | 6.2 | 7.6    | 6.6  | 6.1 | 7.6    | 6.6  | 6.1 | 185 |
| 190 |       |      |     | 7      | 6.4  | 6.3 | 7.3               | 6.5  | 6.2 | 7.4    | 6.5  | 6.1 | 7.4    | 6.5  | 6   | 190 |
| 195 |       |      |     | 6.8    | 6.4  | 6.3 | 7.1               | 6.4  | 6.2 | 7.2    | 6.4  | 6.1 | 7.3    | 6.4  | 6   | 195 |
| 200 |       |      |     | 6.7    | 6.3  | 6.3 | 7                 | 6.4  | 6.2 | 7.1    | 6.4  | 6.1 | 7.1    | 6.4  | 6   | 200 |
| 205 |       |      |     | 6.5    | 6.3  | 6.3 | 6.8               | 6.3  | 6.2 | 7      | 6.3  | 6.1 | 7      | 6.3  | 6   | 205 |
| 210 |       |      |     | 6.4    | 6.3  | 5.4 | 6.7               | 6.3  | 6.2 | 6.8    | 6.3  | 6.1 | 6.9    | 6.2  | 6   | 210 |
| 215 |       |      |     | 6.2    | 6.3  |     | 6.6               | 6.2  | 6.2 | 6.7    | 6.2  | 6.1 | 6.8    | 6.2  | 6   | 215 |
| 220 |       |      |     | 6.1    | 6.3  |     | 6.4               | 6.2  | 6.2 | 6.6    | 6.2  | 6.1 | 6.7    | 6.1  | 6   | 220 |
| 225 |       |      |     | 5.7    | 6.3  |     | 6.3               | 6.2  | 5.1 | 6.5    | 6.2  | 6.1 | 6.6    | 6.1  | 6   | 225 |
| 230 |       |      |     |        |      |     | 6.2               | 6.2  |     | 6.4    | 6.2  | 6.1 | 6.5    | 6.1  | 6   | 230 |
| 235 |       |      |     |        |      |     | 6.1               | 6.2  |     | 6.3    | 6.2  | 6   | 6.4    | 6.1  | 6   | 235 |
| 240 |       |      |     |        |      |     | 4.1               | 6.2  |     | 6.2    | 6.2  |     | 6.3    | 6.1  | 6   | 240 |
| 245 |       |      |     |        |      |     |                   |      |     | 6.1    | 6.2  |     | 6.2    | 6.1  | 6   | 245 |
| 250 |       |      |     |        |      |     |                   |      |     | 5.4    | 6.2  |     | 6.1    | 6.1  | 5.7 | 250 |
| 255 |       |      |     |        |      |     |                   |      |     | 2.6    | 4.9  |     | 6      | 6    |     | 255 |
| 260 |       |      |     |        |      |     |                   |      |     |        |      |     | 5.9    | 6    |     | 260 |
| 265 |       |      |     |        |      |     |                   |      |     |        |      |     | 4.1    | 6    |     | 265 |
| 270 |       |      |     |        |      |     |                   |      |     |        |      |     | 3.8    | 3.9  |     | 270 |

t\_240\_002\_50501\_00\_000 / 52501\_00\_000 / 54501\_00\_000

# Lifting capacities

## Forces de levage

TK



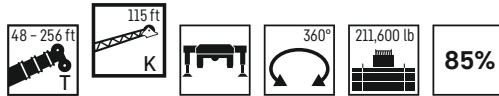
|     | 208 ft |     |     | 224 ft |     |     | 240 ft<br>K 92 ft |     |     | 253 ft |     |     | 256 ft |     |     |     |
|-----|--------|-----|-----|--------|-----|-----|-------------------|-----|-----|--------|-----|-----|--------|-----|-----|-----|
|     | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°                | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° |     |
| 50  | 11.5   |     |     |        |     |     |                   |     |     |        |     |     |        |     |     | 50  |
| 55  | 11.5   |     |     | 9.9    |     |     |                   |     |     |        |     |     |        |     |     | 55  |
| 60  | 11.5   |     |     | 10.1   |     |     | 8.2               |     |     |        |     |     |        |     |     | 60  |
| 65  | 11.5   |     |     | 10.2   |     |     | 8.5               |     |     | 6.9    |     |     |        |     |     | 65  |
| 70  | 11.4   |     |     | 10.1   |     |     | 8.7               |     |     | 7.2    |     |     | 6.9    |     |     | 70  |
| 75  | 11.2   |     |     | 10     |     |     | 8.7               |     |     | 7.4    |     |     | 7.1    |     |     | 75  |
| 80  | 11.1   |     |     | 9.9    |     |     | 8.6               |     |     | 7.5    |     |     | 7.3    |     |     | 80  |
| 85  | 10.9   | 9.4 |     | 9.8    |     |     | 8.5               |     |     | 7.5    |     |     | 7.3    |     |     | 85  |
| 90  | 10.7   | 9.2 |     | 9.7    | 8.5 |     | 8.4               |     |     | 7.5    |     |     | 7.3    |     |     | 90  |
| 95  | 10.6   | 9   |     | 9.6    | 8.4 |     | 8.4               |     |     | 7.4    |     |     | 7.3    |     |     | 95  |
| 100 | 10.4   | 8.8 |     | 9.4    | 8.2 |     | 8.3               | 7.5 |     | 7.4    |     |     | 7.3    |     |     | 100 |
| 105 | 10.3   | 8.6 |     | 9.3    | 8.1 |     | 8.2               | 7.4 |     | 7.3    | 6.9 |     | 7.2    | 6.8 |     | 105 |
| 110 | 10.1   | 8.4 | 6.9 | 9.2    | 7.9 |     | 8.1               | 7.3 |     | 7.3    | 6.8 |     | 7.1    | 6.8 |     | 110 |
| 115 | 9.9    | 8.2 | 6.8 | 9.1    | 7.7 | 6.6 | 8                 | 7.2 |     | 7.2    | 6.8 |     | 7.1    | 6.7 |     | 115 |
| 120 | 9.7    | 8   | 6.7 | 8.9    | 7.6 | 6.5 | 7.9               | 7.1 | 6.2 | 7.2    | 6.7 |     | 7      | 6.6 |     | 120 |
| 125 | 9.6    | 7.9 | 6.6 | 8.8    | 7.5 | 6.4 | 7.8               | 7   | 6.2 | 7.1    | 6.6 |     | 7      | 6.5 |     | 125 |
| 130 | 9.4    | 7.7 | 6.5 | 8.7    | 7.3 | 6.3 | 7.7               | 6.9 | 6.1 | 7      | 6.5 | 5.9 | 6.9    | 6.4 | 5.8 | 130 |
| 135 | 9.2    | 7.6 | 6.4 | 8.6    | 7.2 | 6.3 | 7.7               | 6.8 | 6.1 | 7      | 6.4 | 5.9 | 6.9    | 6.4 | 5.8 | 135 |
| 140 | 9      | 7.4 | 6.4 | 8.4    | 7.1 | 6.2 | 7.6               | 6.7 | 6   | 6.9    | 6.4 | 5.8 | 6.8    | 6.3 | 5.8 | 140 |
| 145 | 8.8    | 7.3 | 6.3 | 8.3    | 7   | 6.2 | 7.5               | 6.6 | 6   | 6.8    | 6.3 | 5.8 | 6.7    | 6.2 | 5.8 | 145 |
| 150 | 8.7    | 7.1 | 6.3 | 8.1    | 6.9 | 6.1 | 7.4               | 6.5 | 5.9 | 6.7    | 6.2 | 5.7 | 6.6    | 6.2 | 5.7 | 150 |
| 155 | 8.5    | 7   | 6.2 | 8      | 6.8 | 6.1 | 7.3               | 6.5 | 5.9 | 6.6    | 6.2 | 5.7 | 6.5    | 6.1 | 5.7 | 155 |
| 160 | 8.3    | 6.9 | 6.1 | 7.9    | 6.7 | 6   | 7.2               | 6.4 | 5.9 | 6.5    | 6.1 | 5.7 | 6.4    | 6.1 | 5.7 | 160 |
| 165 | 8.1    | 6.8 | 6.1 | 7.7    | 6.6 | 6   | 7.1               | 6.3 | 5.8 | 6.4    | 6   | 5.7 | 6.4    | 6   | 5.6 | 165 |
| 170 | 7.9    | 6.7 | 6.1 | 7.6    | 6.5 | 5.9 | 7                 | 6.3 | 5.8 | 6.3    | 5.9 | 5.6 | 6.2    | 5.9 | 5.6 | 170 |
| 175 | 7.8    | 6.7 | 6   | 7.4    | 6.4 | 5.9 | 6.9               | 6.2 | 5.8 | 6.2    | 5.8 | 5.6 | 6.1    | 5.8 | 5.6 | 175 |
| 180 | 7.6    | 6.6 | 6   | 7.3    | 6.4 | 5.9 | 6.8               | 6.1 | 5.7 | 6      | 5.7 | 5.6 | 6      | 5.7 | 5.6 | 180 |
| 185 | 7.4    | 6.5 | 6   | 7.2    | 6.3 | 5.9 | 6.7               | 6.1 | 5.7 | 5.8    | 5.6 | 5.5 | 5.8    | 5.6 | 5.5 | 185 |
| 190 | 7.3    | 6.4 | 5.9 | 7.1    | 6.2 | 5.8 | 6.6               | 6   | 5.7 | 5.7    | 5.5 | 5.4 | 5.6    | 5.5 | 5.4 | 190 |
| 195 | 7.1    | 6.3 | 5.9 | 7      | 6.2 | 5.8 | 6.5               | 6   | 5.7 | 5.5    | 5.4 | 5.3 | 5.5    | 5.4 | 5.3 | 195 |
| 200 | 7      | 6.3 | 5.9 | 6.8    | 6.1 | 5.8 | 6.3               | 5.9 | 5.7 | 5.3    | 5.3 | 5.3 | 5.3    | 5.3 | 5.2 | 200 |
| 205 | 6.9    | 6.2 | 5.9 | 6.7    | 6.1 | 5.8 | 6.2               | 5.8 | 5.7 | 5.1    | 5.2 | 5.2 | 5.1    | 5.1 | 5.2 | 205 |
| 210 | 6.8    | 6.2 | 5.9 | 6.6    | 6   | 5.8 | 6.1               | 5.7 | 5.7 | 5      | 5   | 5.1 | 4.9    | 5   | 5.1 | 210 |
| 215 | 6.7    | 6.1 | 5.9 | 6.5    | 6   | 5.8 | 5.9               | 5.6 | 5.6 | 4.8    | 4.9 | 5   | 4.8    | 4.9 | 5   | 215 |
| 220 | 6.6    | 6   | 5.9 | 6.5    | 5.9 | 5.8 | 5.8               | 5.5 | 5.6 | 4.6    | 4.8 | 4.9 | 4.6    | 4.7 | 4.9 | 220 |
| 225 | 6.5    | 6   | 5.9 | 6.4    | 5.9 | 5.8 | 5.7               | 5.5 | 5.5 | 4.5    | 4.6 | 4.8 | 4.4    | 4.6 | 4.8 | 225 |
| 230 | 6.4    | 6   | 5.9 | 6.3    | 5.9 | 5.8 | 5.5               | 5.4 | 5.4 | 4.3    | 4.5 | 4.7 | 4.3    | 4.5 | 4.7 | 230 |
| 235 | 6.4    | 6   | 5.9 | 6.2    | 5.8 | 5.8 | 5.4               | 5.3 | 5.4 | 4.1    | 4.3 | 4.6 | 4.1    | 4.3 | 4.5 | 235 |
| 240 | 6.3    | 5.9 | 5.9 | 6      | 5.8 | 5.8 | 5.2               | 5.2 | 5.3 | 4      | 4.2 | 4.5 | 3.9    | 4.1 | 4.4 | 240 |
| 245 | 6.1    | 5.9 | 5.9 | 5.8    | 5.7 | 5.8 | 5.1               | 5.1 | 5.2 | 3.8    | 4   | 4.3 | 3.7    | 4   | 4.3 | 245 |
| 250 | 5.8    | 5.9 | 5.9 | 5.6    | 5.7 | 5.8 | 4.9               | 5   | 5.1 | 3.7    | 3.9 | 4.1 | 3.4    | 3.8 | 4.1 | 250 |
| 255 | 5.4    | 5.8 | 5.9 | 5.3    | 5.6 | 5.8 | 4.7               | 4.9 | 5   | 3.5    | 3.7 | 4   | 3.2    | 3.6 | 4   | 255 |
| 260 | 5.3    | 5.6 | 5.8 | 4.9    | 5.5 | 5.7 | 4.5               | 4.7 | 4.9 | 3.3    | 3.6 | 3.8 | 2.9    | 3.4 | 3.8 | 260 |
| 265 | 5.1    | 5.2 | 5.3 | 4.4    | 5.2 | 5.4 | 4.3               | 4.6 | 4.8 | 3.2    | 3.4 | 3.6 | 2.6    | 3.2 | 3.5 | 265 |
| 270 | 4.9    | 5.1 |     | 4.2    | 4.8 | 5   | 4.1               | 4.5 | 4.6 | 3      | 3.3 | 3.5 | 2.4    | 3   | 3.2 | 270 |
| 275 | 4.7    | 4.9 |     | 4.1    | 4.2 | 4.4 | 3.7               | 4.3 | 4.4 | 2.7    | 3.1 | 3.3 |        | 2.7 | 2.9 | 275 |
| 280 | 3.6    | 4.7 |     | 3.9    | 4.1 | 4.2 | 3.2               | 4.1 | 4.2 |        | 2.9 | 3.1 |        | 2.4 | 2.5 | 280 |
| 285 |        | 3.5 |     | 3.8    | 4   |     | 2.8               | 3.7 | 3.8 |        | 2.8 | 3   |        |     | 2.2 | 285 |
| 290 |        |     |     | 3.6    | 3.8 |     | 2.1               | 3.1 | 3.3 |        |     | 2.7 |        |     |     | 290 |
| 295 |        |     |     |        | 3.6 |     |                   | 2.6 | 2.7 |        |     |     |        |     |     | 295 |

t\_240\_002\_50501\_00\_000 / 52501\_00\_000 / 54501\_00\_000

# Lifting capacities

## Forces de levage

TK



|     | 48 ft |     |     | 144 ft |     |     | 160 ft<br>K 115 ft |     |     | 176 ft |     |     | 1115 ft |     |     |     |
|-----|-------|-----|-----|--------|-----|-----|--------------------|-----|-----|--------|-----|-----|---------|-----|-----|-----|
|     | 0°    | 20° | 40° | 0°     | 20° | 40° | 0°                 | 20° | 40° | 0°     | 20° | 40° | 0°      | 20° | 40° |     |
| 19  | 9.1   |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 19  |
| 20  | 9.1   |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 20  |
| 22  | 9.2   |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 22  |
| 24  | 10.1  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 24  |
| 26  | 10.8  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 26  |
| 28  | 11.2  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 28  |
| 30  | 11.1  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 30  |
| 32  | 10.9  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 32  |
| 34  | 10.8  |     |     |        |     |     |                    |     |     |        |     |     |         |     |     | 34  |
| 36  | 10.6  |     |     | 9.3    |     |     |                    |     |     |        |     |     |         |     |     | 36  |
| 38  | 10.5  |     |     | 9.7    |     |     |                    |     |     |        |     |     |         |     |     | 38  |
| 40  | 10.3  |     |     | 10     |     |     | 9.1                |     |     |        |     |     |         |     |     | 40  |
| 45  | 9.9   |     |     | 10.7   |     |     | 9.8                |     |     | 8.7    |     |     |         |     |     | 45  |
| 50  | 9.5   |     |     | 11     |     |     | 10.3               |     |     | 9.2    |     |     | 7.8     |     |     | 50  |
| 55  | 9     |     |     | 10.9   |     |     | 10.4               |     |     | 9.6    |     |     | 8.3     |     |     | 55  |
| 60  | 8.6   | 7.4 |     | 10.7   |     |     | 10.2               |     |     | 9.7    |     |     | 8.7     |     |     | 60  |
| 65  | 8.2   | 7   |     | 10.4   |     |     | 10                 |     |     | 9.5    |     |     | 8.8     |     |     | 65  |
| 70  | 7.7   | 6.6 |     | 10.2   |     |     | 9.8                |     |     | 9.4    |     |     | 8.7     |     |     | 70  |
| 75  | 7.2   | 6.3 |     | 9.9    |     |     | 9.6                |     |     | 9.2    |     |     | 8.6     |     |     | 75  |
| 80  | 6.8   | 6   |     | 9.7    | 7.3 |     | 9.4                | 7.2 |     | 9      |     |     | 8.4     |     |     | 80  |
| 85  | 6.5   | 5.7 |     | 9.4    | 7.1 |     | 9.2                | 7   |     | 8.8    | 6.9 |     | 8.2     |     |     | 85  |
| 90  | 6.1   | 5.5 | 4.8 | 9.1    | 6.9 |     | 8.9                | 6.8 |     | 8.6    | 6.7 |     | 8.1     | 6.4 |     | 90  |
| 95  | 5.8   | 5.2 | 4.6 | 8.8    | 6.6 |     | 8.7                | 6.6 |     | 8.4    | 6.5 |     | 7.9     | 6.3 |     | 95  |
| 100 | 5.6   | 5   | 4.5 | 8.6    | 6.4 |     | 8.4                | 6.4 |     | 8.2    | 6.3 |     | 7.7     | 6.2 |     | 100 |
| 105 | 5.3   | 4.8 | 4.3 | 8.3    | 6.2 | 4.6 | 8.2                | 6.2 |     | 7.9    | 6.1 |     | 7.5     | 6   |     | 105 |
| 110 | 5.1   | 4.6 | 4.2 | 8      | 6.1 | 4.5 | 7.9                | 6   | 4.5 | 7.7    | 6   |     | 7.4     | 5.8 |     | 110 |
| 115 | 4.9   | 4.4 | 4.1 | 7.7    | 5.9 | 4.5 | 7.7                | 5.9 | 4.5 | 7.5    | 5.8 | 4.4 | 7.2     | 5.7 |     | 115 |
| 120 | 4.7   | 4.3 | 3.9 | 7.4    | 5.7 | 4.4 | 7.4                | 5.7 | 4.4 | 7.3    | 5.7 | 4.3 | 7       | 5.6 | 4.3 | 120 |
| 125 | 4.5   | 4.1 | 3.9 | 7.1    | 5.6 | 4.4 | 7.2                | 5.6 | 4.3 | 7.1    | 5.5 | 4.3 | 6.8     | 5.4 | 4.2 | 125 |
| 130 | 4.3   | 4   | 3.8 | 6.9    | 5.4 | 4.3 | 6.9                | 5.4 | 4.3 | 6.9    | 5.4 | 4.2 | 6.7     | 5.3 | 4.2 | 130 |
| 135 | 4.2   | 3.9 | 3.8 | 6.6    | 5.3 | 4.2 | 6.7                | 5.3 | 4.2 | 6.7    | 5.3 | 4.2 | 6.5     | 5.2 | 4.1 | 135 |
| 140 | 4     | 3.8 | 3.8 | 6.4    | 5.1 | 4.2 | 6.5                | 5.2 | 4.2 | 6.5    | 5.1 | 4.2 | 6.3     | 5.1 | 4.1 | 140 |
| 145 | 3.9   | 3.8 | 3.8 | 6.2    | 5   | 4.2 | 6.3                | 5   | 4.2 | 6.3    | 5   | 4.1 | 6.2     | 5   | 4   | 145 |
| 150 | 3.8   | 3.8 |     | 6      | 4.9 | 4.1 | 6.1                | 4.9 | 4.1 | 6.1    | 4.9 | 4.1 | 6       | 4.8 | 4   | 150 |
| 155 | 3.7   | 3.8 |     | 5.8    | 4.8 | 4.1 | 5.9                | 4.8 | 4   | 6      | 4.8 | 4   | 5.9     | 4.7 | 4   | 155 |
| 160 |       |     |     | 5.7    | 4.6 | 4   | 5.8                | 4.7 | 4   | 5.8    | 4.7 | 4   | 5.7     | 4.6 | 3.9 | 160 |
| 165 |       |     |     | 5.5    | 4.6 | 3.9 | 5.6                | 4.6 | 3.9 | 5.7    | 4.6 | 3.9 | 5.6     | 4.6 | 3.9 | 165 |
| 170 |       |     |     | 5.3    | 4.5 | 3.9 | 5.5                | 4.5 | 3.9 | 5.5    | 4.5 | 3.9 | 5.5     | 4.5 | 3.8 | 170 |
| 175 |       |     |     | 5.2    | 4.4 | 3.9 | 5.3                | 4.4 | 3.8 | 5.3    | 4.4 | 3.8 | 5.3     | 4.4 | 3.8 | 175 |
| 180 |       |     |     | 5      | 4.3 | 3.8 | 5.2                | 4.3 | 3.8 | 5.2    | 4.3 | 3.8 | 5.2     | 4.3 | 3.7 | 180 |
| 185 |       |     |     | 4.9    | 4.2 | 3.8 | 5                  | 4.2 | 3.8 | 5.1    | 4.3 | 3.7 | 5.1     | 4.2 | 3.7 | 185 |
| 190 |       |     |     | 4.8    | 4.1 | 3.8 | 4.9                | 4.2 | 3.8 | 5      | 4.2 | 3.7 | 4.9     | 4.2 | 3.7 | 190 |
| 195 |       |     |     | 4.7    | 4   | 3.8 | 4.8                | 4.1 | 3.7 | 4.9    | 4.1 | 3.7 | 4.8     | 4.1 | 3.6 | 195 |
| 200 |       |     |     | 4.5    | 4   | 3.8 | 4.7                | 4   | 3.7 | 4.7    | 4   | 3.7 | 4.7     | 4   | 3.6 | 200 |
| 205 |       |     |     | 4.4    | 3.9 | 3.8 | 4.6                | 4   | 3.7 | 4.6    | 4   | 3.6 | 4.6     | 4   | 3.6 | 205 |
| 210 |       |     |     | 4.3    | 3.9 | 3.8 | 4.4                | 3.9 | 3.7 | 4.5    | 3.9 | 3.6 | 4.5     | 3.9 | 3.6 | 210 |
| 215 |       |     |     | 4.2    | 3.8 | 3.8 | 4.3                | 3.9 | 3.7 | 4.4    | 3.9 | 3.6 | 4.4     | 3.8 | 3.6 | 215 |
| 220 |       |     |     | 4.1    | 3.8 | 3.8 | 4.2                | 3.8 | 3.7 | 4.3    | 3.8 | 3.6 | 4.3     | 3.8 | 3.6 | 220 |
| 225 |       |     |     | 4      | 3.8 | 3.8 | 4.2                | 3.8 | 3.7 | 4.3    | 3.8 | 3.6 | 4.2     | 3.8 | 3.6 | 225 |
| 230 |       |     |     | 4      | 3.8 | 3.8 | 4.1                | 3.7 | 3.7 | 4.2    | 3.7 | 3.6 | 4.2     | 3.7 | 3.6 | 230 |
| 235 |       |     |     | 3.9    | 3.8 |     | 4                  | 3.7 | 3.7 | 4.1    | 3.7 | 3.6 | 4.1     | 3.7 | 3.6 | 235 |
| 240 |       |     |     | 3.8    | 3.8 |     | 3.9                | 3.7 | 3.7 | 4      | 3.7 | 3.6 | 4       | 3.6 | 3.6 | 240 |
| 245 |       |     |     | 3.8    | 3.8 |     | 3.9                | 3.7 |     | 3.9    | 3.7 | 3.6 | 4       | 3.6 | 3.6 | 245 |
| 250 |       |     |     |        |     |     | 3.8                | 3.7 |     | 3.9    | 3.6 | 3.6 | 3.9     | 3.6 | 3.6 | 250 |
| 255 |       |     |     |        |     |     | 3.7                | 3.7 |     | 3.8    | 3.6 | 3.6 | 3.8     | 3.6 | 3.6 | 255 |
| 260 |       |     |     |        |     |     | 3.7                | 3.7 |     | 3.7    | 3.6 |     | 3.8     | 3.6 | 3.6 | 260 |
| 265 |       |     |     |        |     |     |                    |     |     | 3.7    | 3.6 |     | 3.7     | 3.6 | 3.6 | 265 |
| 270 |       |     |     |        |     |     |                    |     |     | 3.7    | 3.6 |     | 3.7     | 3.6 | 3.6 | 270 |
| 275 |       |     |     |        |     |     |                    |     |     | 2.5    | 3.6 |     | 3.6     | 3.6 |     | 275 |
| 280 |       |     |     |        |     |     |                    |     |     |        |     |     | 3.6     | 3.6 |     | 280 |
| 285 |       |     |     |        |     |     |                    |     |     |        |     |     | 3.3     | 3.6 |     | 285 |
| 290 |       |     |     |        |     |     |                    |     |     |        |     |     | 2.4     | 3.4 |     | 290 |
| 295 |       |     |     |        |     |     |                    |     |     |        |     |     |         | 2.5 |     | 295 |

t 240\_002 50601\_00\_000 / 52601\_00\_000 / 54601\_00\_000



# Lifting capacities

## Forces de levage

TK



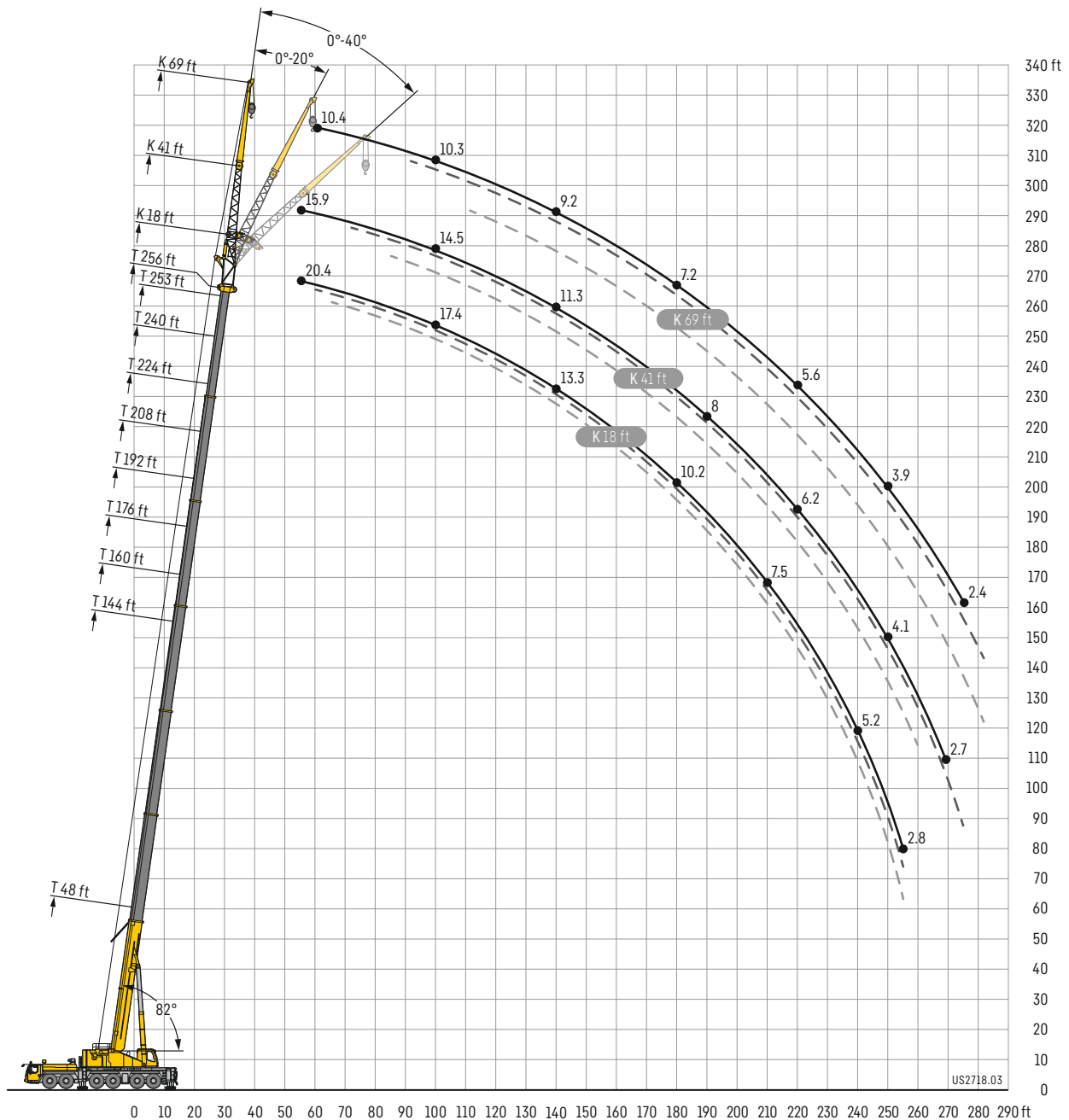
|  | 208 ft   |     |     | 224 ft |     |     | 240 ft |     |     | 253 ft |     |     | 256 ft |     |  |
|-----------------------------------------------------------------------------------|----------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-------------------------------------------------------------------------------------|
|                                                                                   | K 115 ft |     |     |        |     |     |        |     |     |        |     |     |        |     |                                                                                     |
|                                                                                   | 0°       | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° |                                                                                     |
| 55                                                                                | 6.7      |     |     |        |     |     |        |     |     |        |     |     |        |     | 55                                                                                  |
| 60                                                                                | 7.1      |     |     | 5.6    |     |     |        |     |     |        |     |     |        |     | 60                                                                                  |
| 65                                                                                | 7.5      |     |     | 5.9    |     |     | 4.6    |     |     |        |     |     |        |     | 65                                                                                  |
| 70                                                                                | 7.6      |     |     | 6.3    |     |     | 4.8    |     |     |        |     |     |        |     | 70                                                                                  |
| 75                                                                                | 7.7      |     |     | 6.5    |     |     | 5.1    |     |     | 4      |     |     | 3.8    |     | 75                                                                                  |
| 80                                                                                | 7.6      |     |     | 6.6    |     |     | 5.3    |     |     | 4      |     |     | 3.8    |     | 80                                                                                  |
| 85                                                                                | 7.5      |     |     | 6.6    |     |     | 5.4    |     |     | 4.1    |     |     | 3.8    |     | 85                                                                                  |
| 90                                                                                | 7.3      |     |     | 6.6    |     |     | 5.5    |     |     | 4.2    |     |     | 3.8    |     | 90                                                                                  |
| 95                                                                                | 7.2      |     |     | 6.6    |     |     | 5.6    |     |     | 4.3    |     |     | 3.8    |     | 95                                                                                  |
| 100                                                                               | 7.1      | 5.9 |     | 6.5    |     |     | 5.6    |     |     | 4.3    |     |     | 3.9    |     | 100                                                                                 |
| 105                                                                               | 7        | 5.8 |     | 6.4    | 5.4 |     | 5.6    |     |     | 4.3    |     |     | 3.9    |     | 105                                                                                 |
| 110                                                                               | 6.8      | 5.6 |     | 6.3    | 5.3 |     | 5.6    |     |     | 4.3    |     |     | 3.9    |     | 110                                                                                 |
| 115                                                                               | 6.7      | 5.5 |     | 6.2    | 5.2 |     | 5.5    | 4.7 |     | 4.3    |     |     | 3.9    |     | 115                                                                                 |
| 120                                                                               | 6.6      | 5.4 |     | 6.1    | 5.1 |     | 5.5    | 4.7 |     | 4.4    | 4.2 |     | 3.9    | 4.1 | 120                                                                                 |
| 125                                                                               | 6.5      | 5.3 | 4.1 | 6      | 5   |     | 5.4    | 4.7 |     | 4.4    | 4.2 |     | 3.9    | 4.1 | 125                                                                                 |
| 130                                                                               | 6.3      | 5.1 | 4   | 5.9    | 4.9 |     | 5.3    | 4.6 |     | 4.4    | 4.2 |     | 3.9    | 4.1 | 130                                                                                 |
| 135                                                                               | 6.2      | 5   | 4   | 5.8    | 4.8 | 3.8 | 5.3    | 4.5 |     | 4.4    | 4.2 |     | 3.9    | 4.1 | 135                                                                                 |
| 140                                                                               | 6.1      | 4.9 | 4   | 5.6    | 4.7 | 3.8 | 5.2    | 4.4 | 3.6 | 4.4    | 4.1 |     | 3.9    | 4   | 140                                                                                 |
| 145                                                                               | 5.9      | 4.8 | 3.9 | 5.5    | 4.6 | 3.8 | 5.1    | 4.4 | 3.6 | 4.3    | 4.1 |     | 3.9    | 4   | 145                                                                                 |
| 150                                                                               | 5.8      | 4.7 | 3.9 | 5.4    | 4.5 | 3.8 | 5      | 4.3 | 3.6 | 4.3    | 4   | 3.4 | 3.9    | 4   | 150                                                                                 |
| 155                                                                               | 5.7      | 4.6 | 3.9 | 5.3    | 4.4 | 3.7 | 4.9    | 4.2 | 3.6 | 4.2    | 4   | 3.4 | 3.9    | 4   | 155                                                                                 |
| 160                                                                               | 5.5      | 4.5 | 3.8 | 5.2    | 4.4 | 3.7 | 4.8    | 4.1 | 3.5 | 4.2    | 3.9 | 3.4 | 3.9    | 3.9 | 160                                                                                 |
| 165                                                                               | 5.4      | 4.4 | 3.8 | 5.1    | 4.3 | 3.7 | 4.8    | 4.1 | 3.5 | 4.2    | 3.9 | 3.3 | 3.9    | 3.9 | 165                                                                                 |
| 170                                                                               | 5.3      | 4.4 | 3.8 | 5      | 4.2 | 3.6 | 4.7    | 4   | 3.5 | 4.1    | 3.8 | 3.3 | 3.8    | 3.8 | 170                                                                                 |
| 175                                                                               | 5.2      | 4.3 | 3.7 | 4.9    | 4.2 | 3.6 | 4.6    | 4   | 3.5 | 4.1    | 3.8 | 3.3 | 3.8    | 3.8 | 175                                                                                 |
| 180                                                                               | 5        | 4.2 | 3.7 | 4.8    | 4.1 | 3.6 | 4.5    | 3.9 | 3.5 | 4      | 3.7 | 3.3 | 3.7    | 3.7 | 180                                                                                 |
| 185                                                                               | 4.9      | 4.1 | 3.6 | 4.7    | 4   | 3.6 | 4.5    | 3.8 | 3.4 | 4      | 3.7 | 3.3 | 3.7    | 3.7 | 185                                                                                 |
| 190                                                                               | 4.8      | 4.1 | 3.6 | 4.7    | 3.9 | 3.5 | 4.4    | 3.8 | 3.4 | 3.9    | 3.6 | 3.3 | 3.7    | 3.6 | 190                                                                                 |
| 195                                                                               | 4.7      | 4   | 3.6 | 4.6    | 3.9 | 3.5 | 4.3    | 3.7 | 3.4 | 3.9    | 3.6 | 3.3 | 3.6    | 3.6 | 195                                                                                 |
| 200                                                                               | 4.6      | 4   | 3.5 | 4.5    | 3.9 | 3.5 | 4.2    | 3.7 | 3.4 | 3.8    | 3.5 | 3.3 | 3.6    | 3.5 | 200                                                                                 |
| 205                                                                               | 4.5      | 3.9 | 3.5 | 4.4    | 3.8 | 3.5 | 4.2    | 3.6 | 3.4 | 3.7    | 3.5 | 3.3 | 3.6    | 3.5 | 205                                                                                 |
| 210                                                                               | 4.4      | 3.8 | 3.5 | 4.3    | 3.8 | 3.4 | 4.1    | 3.6 | 3.4 | 3.7    | 3.5 | 3.3 | 3.5    | 3.4 | 210                                                                                 |
| 215                                                                               | 4.4      | 3.8 | 3.5 | 4.3    | 3.7 | 3.4 | 4      | 3.6 | 3.3 | 3.6    | 3.4 | 3.2 | 3.5    | 3.4 | 215                                                                                 |
| 220                                                                               | 4.3      | 3.7 | 3.5 | 4.2    | 3.7 | 3.4 | 4      | 3.5 | 3.3 | 3.5    | 3.4 | 3.2 | 3.5    | 3.4 | 220                                                                                 |
| 225                                                                               | 4.2      | 3.7 | 3.5 | 4.1    | 3.6 | 3.4 | 3.9    | 3.5 | 3.3 | 3.4    | 3.3 | 3.2 | 3.3    | 3.4 | 225                                                                                 |
| 230                                                                               | 4.1      | 3.7 | 3.5 | 4      | 3.6 | 3.4 | 3.9    | 3.5 | 3.3 | 3.2    | 3.3 | 3.2 | 3.2    | 3.3 | 230                                                                                 |
| 235                                                                               | 4.1      | 3.6 | 3.5 | 4      | 3.5 | 3.4 | 3.8    | 3.4 | 3.3 | 3.1    | 3.2 | 3.2 | 3.1    | 3.2 | 235                                                                                 |
| 240                                                                               | 4        | 3.6 | 3.5 | 3.9    | 3.5 | 3.4 | 3.8    | 3.4 | 3.3 | 2.9    | 3.1 | 3.2 | 2.9    | 3.1 | 240                                                                                 |
| 245                                                                               | 3.9      | 3.6 | 3.5 | 3.9    | 3.5 | 3.4 | 3.7    | 3.4 | 3.3 | 2.8    | 3   | 3.2 | 2.8    | 3   | 245                                                                                 |
| 250                                                                               | 3.9      | 3.5 | 3.5 | 3.8    | 3.4 | 3.4 | 3.6    | 3.4 | 3.3 | 2.6    | 2.9 | 3.1 | 2.6    | 2.9 | 250                                                                                 |
| 255                                                                               | 3.8      | 3.5 | 3.5 | 3.7    | 3.4 | 3.4 | 3.5    | 3.3 | 3.3 | 2.5    | 2.8 | 3.1 | 2.5    | 2.8 | 255                                                                                 |
| 260                                                                               | 3.8      | 3.5 | 3.5 | 3.7    | 3.4 | 3.4 | 3.5    | 3.3 | 3.3 | 2.3    | 2.7 | 3   | 2.3    | 2.6 | 260                                                                                 |
| 265                                                                               | 3.7      | 3.5 | 3.5 | 3.6    | 3.4 | 3.4 | 3.4    | 3.3 | 3.3 | 2.2    | 2.5 | 2.8 |        | 2.5 | 265                                                                                 |
| 270                                                                               | 3.7      | 3.5 | 3.5 | 3.5    | 3.4 | 3.4 | 3.3    | 3.3 | 3.3 |        | 2.4 | 2.7 |        | 2.4 | 270                                                                                 |
| 275                                                                               | 3.6      | 3.5 | 3.5 | 3.4    | 3.4 | 3.4 | 3.2    | 3.2 | 3.3 |        | 2.2 | 2.5 |        | 2.2 | 275                                                                                 |
| 280                                                                               | 3.5      | 3.5 | 3.5 | 3.2    | 3.3 | 3.4 | 3      | 3.1 | 3.3 |        |     | 2.4 |        |     | 280                                                                                 |
| 285                                                                               | 3.5      | 3.5 |     | 2.9    | 3.3 | 3.4 |        | 3.1 | 3.3 |        |     | 2.2 |        |     | 285                                                                                 |
| 290                                                                               | 3.5      | 3.5 |     | 2.8    | 3.2 | 3.4 |        | 3   | 3.3 |        |     |     |        |     | 290                                                                                 |
| 295                                                                               | 3.3      | 3.5 |     | 2.6    | 2.8 | 3.2 |        | 2.8 | 3.1 |        |     |     |        |     | 295                                                                                 |
| 300                                                                               | 2.2      | 3.4 |     | 2.5    | 2.7 |     |        |     | 2.7 |        |     |     |        |     | 300                                                                                 |
| 305                                                                               |          | 2.6 |     |        | 2.6 |     |        |     |     |        |     |     |        |     | 305                                                                                 |
| 310                                                                               |          |     |     |        | 2.4 |     |        |     |     |        |     |     |        |     | 310                                                                                 |

t\_240\_002\_50601\_00\_000 / 52601\_00\_000 / 54601\_00\_000

# Lifting heights

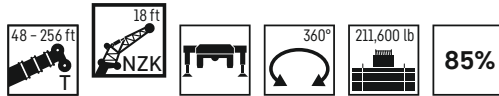
## Hauteurs de levage

**TNZK**



# Lifting capacities

## Forces de levage

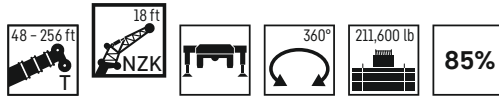


|  | 48 ft     |       |      | 64 ft |       |      | 80 ft |       |      | 96 ft |      |      | 112 ft |      |      | 128 ft |      |      | 144 ft |      |      | 160 ft |      |      |  |
|-----------------------------------------------------------------------------------|-----------|-------|------|-------|-------|------|-------|-------|------|-------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   | NZK 18 ft |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      |                                                                                     |
|                                                                                   | 0°        | 20°   | 40°  | 0°    | 20°   | 40°  | 0°    | 20°   | 40°  | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |                                                                                     |
| 12                                                                                | 128.3     | 101.2 |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 12                                                                                  |
| 13                                                                                | 125.9     | 99.2  | 84.3 | 130.9 | 103   |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 13                                                                                  |
| 14                                                                                | 122.7     | 97.2  | 82.9 | 130.3 | 101.1 |      | 130.4 |       |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 14                                                                                  |
| 15                                                                                | 119.5     | 95.3  | 81.7 | 127.6 | 99.4  | 83.9 | 129.2 | 100.7 |      |       |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 15                                                                                  |
| 16                                                                                | 116.3     | 93.5  | 80.5 | 124.9 | 97.8  | 82.8 | 127.4 | 99.6  |      | 126.8 |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 16                                                                                  |
| 17                                                                                | 113.7     | 91.8  | 79.3 | 122.4 | 96.2  | 81.8 | 125.2 | 98.2  |      | 125.1 |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 17                                                                                  |
| 18                                                                                | 111.2     | 90.1  | 78.2 | 120   | 94.7  | 80.8 | 123.1 | 96.8  | 81.8 | 123.4 | 97.5 |      | 121.2  |      |      |        |      |      |        |      |      |        |      |      | 18                                                                                  |
| 19                                                                                | 108.6     | 88.4  | 77.1 | 117.6 | 93.3  | 79.9 | 121   | 95.5  | 81   | 121.7 | 96.4 |      | 119.9  |      |      |        |      |      |        |      |      |        |      |      | 19                                                                                  |
| 20                                                                                | 106       | 86.9  | 76.1 | 115.2 | 91.9  | 78.9 | 119   | 94.2  | 80.2 | 120   | 95.3 |      | 118.6  |      |      |        |      |      |        |      |      |        |      |      | 20                                                                                  |
| 22                                                                                | 101.2     | 84    | 74   | 110.7 | 89.2  | 77.1 | 115.1 | 91.7  | 78.5 | 116.6 | 93   | 79.4 | 115.9  | 93.5 |      | 105.6  |      |      |        |      |      |        |      |      | 22                                                                                  |
| 24                                                                                | 96.9      | 81.1  | 72.2 | 106.7 | 86.4  | 75.3 | 111.2 | 89.2  | 77   | 113.1 | 90.8 | 77.9 | 113.1  | 91.5 | 78.3 | 105.6  | 91.1 |      |        |      |      |        |      |      | 24                                                                                  |
| 26                                                                                | 92.9      | 78.6  | 70.4 | 102.6 | 84.1  | 73.6 | 107.5 | 87    | 75.4 | 109.9 | 88.7 | 76.5 | 110.2  | 89.5 | 77   | 105.3  | 89.6 |      | 95.2   |      |      |        |      |      | 26                                                                                  |
| 28                                                                                | 89.1      | 76.1  | 68.8 | 98.8  | 81.8  | 72.2 | 104.2 | 84.8  | 74.1 | 106.9 | 86.7 | 75.2 | 107.5  | 87.6 | 75.8 | 104.7  | 88.2 | 76.8 | 94.7   | 83.6 |      |        |      |      | 28                                                                                  |
| 30                                                                                | 86        | 73.8  | 67.3 | 95.4  | 79.5  | 70.8 | 101.1 | 82.8  | 72.7 | 103.9 | 84.8 | 73.9 | 104.8  | 85.8 | 74.6 | 103.9  | 86.9 | 75.8 | 94.2   | 82.7 |      | 79.4   |      |      | 30                                                                                  |
| 32                                                                                | 82.8      | 71.9  | 65.9 | 92.3  | 77.5  | 69.4 | 98    | 81    | 71.4 | 100.9 | 83   | 72.8 | 102.4  | 84.2 | 73.5 | 102.4  | 85.6 | 74.8 | 93.4   | 81.7 | 73   | 79.4   |      |      | 32                                                                                  |
| 34                                                                                | 79.9      | 70.1  | 64.7 | 89.2  | 75.6  | 68.2 | 95.1  | 79.2  | 70.2 | 98.5  | 81.2 | 71.6 | 100.1  | 82.6 | 72.4 | 100.8  | 84.3 | 73.9 | 92.4   | 80.7 | 72.2 | 79.3   | 73.9 |      | 34                                                                                  |
| 36                                                                                | 77.4      | 68.3  | 63.6 | 86.5  | 73.8  | 67   | 92.4  | 77.5  | 69.1 | 96.1  | 79.6 | 70.5 | 97.8   | 81.1 | 71.4 | 99.1   | 83.1 | 73   | 91.5   | 79.8 | 71.4 | 79     | 73.3 | 67.7 | 36                                                                                  |
| 38                                                                                | 74.9      | 66.7  | 62.6 | 84.1  | 72.1  | 65.9 | 89.9  | 75.9  | 68   | 93.7  | 78.2 | 69.5 | 95.6   | 79.7 | 70.5 | 97.4   | 81.8 | 72.2 | 90.4   | 78.8 | 70.7 | 78.6   | 72.7 | 67.2 | 38                                                                                  |
| 40                                                                                | 72.6      | 65.2  | 61.7 | 81.7  | 70.7  | 64.9 | 87.6  | 74.3  | 67   | 91.4  | 76.8 | 68.5 | 93.6   | 78.2 | 69.5 | 95.7   | 80.6 | 71.3 | 89.3   | 77.9 | 69.9 | 78.2   | 72   | 66.6 | 40                                                                                  |
| 45                                                                                | 67.9      | 62.2  | 60.1 | 76.3  | 67.2  | 62.7 | 82.3  | 70.8  | 64.8 | 86.3  | 73.3 | 66.3 | 88.9   | 75.2 | 67.4 | 91.6   | 77.6 | 69.4 | 86.3   | 75.4 | 68.2 | 76.5   | 70.2 | 65.2 | 45                                                                                  |
| 50                                                                                | 64.1      | 59.9  | 59.4 | 71.7  | 64.3  | 60.9 | 77.7  | 67.9  | 62.9 | 81.8  | 70.4 | 64.3 | 84.4   | 72.3 | 65.5 | 88     | 75   | 67.5 | 83.1   | 73.2 | 66.6 | 73.6   | 67.9 | 63.7 | 50                                                                                  |
| 55                                                                                | 60.5      | 58.2  | 9.1  | 68    | 61.9  | 59.7 | 73.7  | 65.2  | 61.2 | 78    | 67.8 | 62.6 | 80.7   | 69.7 | 63.7 | 84.3   | 72.5 | 66   | 78.7   | 71   | 65.1 | 69.8   | 65.1 | 61.7 | 55                                                                                  |
| 60                                                                                |           |       |      | 64.7  | 59.9  | 32.6 | 70.2  | 63    | 59.9 | 74.4  | 65.6 | 61.2 | 77.2   | 67.3 | 62.2 | 81.2   | 70.2 | 64.4 | 73.8   | 69   | 63.8 | 66.1   | 62.3 | 59.3 | 60                                                                                  |
| 65                                                                                |           |       |      | 62.2  | 58.8  | 16   | 67.2  | 61.1  | 58.9 | 71.2  | 63.4 | 59.9 | 74.2   | 65.3 | 60.9 | 78.2   | 68.3 | 63.1 | 69.1   | 66.9 | 62.6 | 62.5   | 59.9 | 57.1 | 65                                                                                  |
| 70                                                                                |           |       |      | 59.3  | 57.5  | 9.5  | 64.5  | 59.6  | 47.6 | 68.4  | 61.7 | 59   | 71.4   | 63.5 | 59.8 | 74.8   | 66.5 | 61.9 | 64.9   | 64.3 | 61   | 59     | 57.5 | 55.1 | 70                                                                                  |
| 75                                                                                |           |       |      | 41.9  |       |      | 62.3  | 58.4  | 22.2 | 65.9  | 60.1 | 58.1 | 68.9   | 61.7 | 58.8 | 68.5   | 64.9 | 60.9 | 60.9   | 60.6 | 58.8 | 55.6   | 55.1 | 53.1 | 75                                                                                  |
| 80                                                                                |           |       |      |       |       |      | 60.5  | 57.8  | 13.8 | 63.9  | 58.9 | 57.8 | 64.2   | 60.4 | 58   | 62.6   | 63   | 60.1 | 57.1   | 56.9 | 56.4 | 52.7   | 52.5 | 51.1 | 80                                                                                  |
| 85                                                                                |           |       |      |       |       |      | 58.2  | 55.9  | 9.2  | 60.2  | 57.8 | 29   | 59     | 59   | 57.4 | 57.3   | 57.9 | 58   | 53.7   | 53.6 | 53.6 | 49.8   | 49.8 | 49   | 85                                                                                  |
| 90                                                                                |           |       |      |       |       |      | 40.8  | 13.5  |      | 55.6  | 55.9 | 18.1 | 54.4   | 54.8 | 55   | 52.7   | 53.3 | 53.5 | 51.4   | 50.4 | 50.5 | 47.2   | 47.2 | 46.9 | 90                                                                                  |
| 95                                                                                |           |       |      |       |       |      |       |       |      | 51.5  | 51.8 | 12.5 | 50.2   | 50.6 | 37.1 | 48.6   | 49.1 | 49.3 | 49.3   | 47.1 | 47.4 | 44.9   | 44.8 | 44.8 | 95                                                                                  |
| 100                                                                               |           |       |      |       |       |      |       |       |      | 47.9  | 44.9 | 9    | 46.6   | 46.9 | 22.6 | 44.9   | 45.3 | 45.5 | 46.2   | 45.1 | 44.3 | 42.6   | 42.6 | 42.6 | 100                                                                                 |
| 105                                                                               |           |       |      |       |       |      |       |       |      | 35.8  | 15.6 | 5.7  | 43.3   | 43.5 | 15.8 | 43.1   | 41.9 | 40.7 | 42.9   | 43.1 | 42.9 | 40.3   | 40.4 | 40.5 | 105                                                                                 |
| 110                                                                               |           |       |      |       |       |      |       |       |      |       |      |      | 40.3   | 40.5 | 11.7 | 41.4   | 40.2 | 27.7 | 39.9   | 40.2 | 40.4 | 38.2   | 38.2 | 38.3 | 110                                                                                 |
| 115                                                                               |           |       |      |       |       |      |       |       |      |       |      |      | 37.6   | 37.7 | 8.9  | 38.9   | 39   | 19.2 | 37.1   | 37.4 | 37.6 | 35.5   | 35.9 | 36.1 | 115                                                                                 |
| 120                                                                               |           |       |      |       |       |      |       |       |      |       |      |      | 31     | 17   | 6.3  | 36.4   | 36.6 | 14.4 | 34.6   | 34.9 | 32.4 | 33     | 33.3 | 33.5 | 120                                                                                 |
| 125                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 34.1   | 34.3 | 11.2 | 32.3   | 32.5 | 22.8 | 31.3   | 31.4 | 31.5 | 125                                                                                 |
| 130                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 32     | 32.1 | 8.8  | 30.2   | 30.4 | 17.2 | 29.5   | 29.8 | 29.9 | 130                                                                                 |
| 135                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      | 25     | 18.2 | 6.6  | 28.2   | 28.3 | 13.5 | 27.5   | 27.7 | 26.7 | 135                                                                                 |
| 140                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 26.3   | 26.4 | 10.8 | 25.6   | 25.8 | 20.1 | 140                                                                                 |
| 145                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 24.6   | 24.7 | 8.7  | 23.8   | 24   | 15.8 | 145                                                                                 |
| 150                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      | 20.7   | 19   | 6.9  | 22.2   | 22.4 | 12.7 | 150                                                                                 |
| 155                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 20.7   | 20.9 | 10.5 | 155                                                                                 |
| 160                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 19.4   | 19.4 | 8.6  | 160                                                                                 |
| 165                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 16.4   | 16.4 | 7    | 165                                                                                 |
| 170                                                                               |           |       |      |       |       |      |       |       |      |       |      |      |        |      |      |        |      |      |        |      |      | 10.5   | 9.4  |      | 170                                                                                 |

t\_240\_002\_56001\_00\_000

# Lifting capacities

## Forces de levage



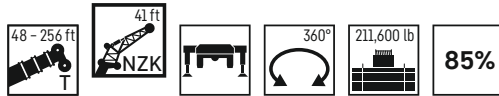
|  | 176 ft |      |      | 192 ft |      |      | 208 ft |      |      | 224 ft |      |      | 240 ft |      |      | 253 ft |      |      | 256 ft |      |      |  |
|-----------------------------------------------------------------------------------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |                                                                                     |
| 34                                                                                | 64.7   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 34                                                                                  |
| 36                                                                                | 64.5   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 36                                                                                  |
| 38                                                                                | 64.2   | 64.7 |      | 51.5   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 38                                                                                  |
| 40                                                                                | 64     | 64.5 |      | 51.3   |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 40                                                                                  |
| 45                                                                                | 63.2   | 63.7 | 61   | 50.8   | 51.2 | 51.4 | 41.6   |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 45                                                                                  |
| 50                                                                                | 62.2   | 62.8 | 60   | 50.3   | 50.7 | 51.2 | 41.2   | 41.5 | 42.2 | 34     |      |      | 25.4   |      |      |        |      |      |        |      |      | 50                                                                                  |
| 55                                                                                | 60.7   | 60.6 | 58.7 | 49.7   | 50   | 50.5 | 40.9   | 41.2 | 41.3 | 33.8   | 33.8 | 34.1 | 25.3   | 25.4 |      | 21     |      |      |        | 20.4 |      | 55                                                                                  |
| 60                                                                                | 57.9   | 57.8 | 56.7 | 48.7   | 48.8 | 49   | 40.3   | 40.1 | 40.2 | 33.2   | 33.2 | 33.5 | 25.1   | 25.2 | 25.1 | 21     | 21   |      |        | 20.4 | 20.4 | 60                                                                                  |
| 65                                                                                | 55     | 54.9 | 54.4 | 46.9   | 47   | 47.2 | 39.1   | 38.9 | 39   | 32.5   | 32.4 | 32.6 | 24.9   | 24.9 | 25   | 20.9   | 20.9 | 20.9 | 20.3   | 20.4 | 20.3 | 65                                                                                  |
| 70                                                                                | 52.2   | 52.2 | 52.1 | 44.9   | 45   | 45.3 | 37.9   | 37.7 | 37.7 | 31.6   | 31.4 | 31.5 | 24.6   | 24.5 | 24.6 | 20.7   | 20.7 | 20.8 | 20.2   | 20.3 | 20.3 | 70                                                                                  |
| 75                                                                                | 49.6   | 49.5 | 49.7 | 43     | 43.1 | 43.3 | 36.6   | 36.4 | 36.3 | 30.6   | 30.3 | 30.4 | 24.1   | 24   | 24.1 | 20.4   | 20.3 | 20.4 | 20     | 20   | 20.1 | 75                                                                                  |
| 80                                                                                | 46.9   | 4    | 47.1 | 41.1   | 41.1 | 41.4 | 35.3   | 35   | 34.9 | 29.5   | 29.3 | 29.3 | 23.5   | 23.4 | 23.5 | 19.9   | 19.9 | 19.9 | 19.6   | 19.6 | 19.6 | 80                                                                                  |
| 85                                                                                | 44.4   | 44.4 | 44.6 | 39.2   | 39.2 | 39.5 | 34     | 33.7 | 33.6 | 28.5   | 28.3 | 28.3 | 22.8   | 22.8 | 22.8 | 19.4   | 19.3 | 19.4 | 19.1   | 19.1 | 19.1 | 85                                                                                  |
| 90                                                                                | 42.1   | 42.1 | 42.3 | 37.3   | 37.4 | 37.6 | 32.7   | 32.4 | 32.3 | 27.5   | 27.3 | 27.3 | 22.2   | 22.1 | 22.2 | 18.8   | 18.7 | 18.8 | 18.6   | 18.5 | 18.5 | 90                                                                                  |
| 95                                                                                | 39.8   | 40   | 40.1 | 35.5   | 35.6 | 35.8 | 31.4   | 31.2 | 31.1 | 26.6   | 26.3 | 26.3 | 21.5   | 21.4 | 21.5 | 18.2   | 18.1 | 18.2 | 18     | 17.9 | 18   | 95                                                                                  |
| 100                                                                               | 37.7   | 37.8 | 38   | 33.8   | 33.9 | 34.1 | 30.1   | 30   | 29.9 | 25.6   | 25.4 | 25.4 | 20.9   | 20.7 | 20.8 | 17.6   | 17.5 | 17.6 | 17.4   | 17.4 | 17.4 | 100                                                                                 |
| 105                                                                               | 35.9   | 35.9 | 36   | 32.1   | 32.2 | 32.5 | 28.9   | 28.8 | 28.8 | 24.7   | 24.5 | 24.5 | 20.2   | 20.1 | 20.1 | 17     | 16.9 | 17   | 16.8   | 16.8 | 16.8 | 105                                                                                 |
| 110                                                                               | 34     | 34.2 | 34.3 | 30.6   | 30.6 | 30.9 | 27.6   | 27.6 | 27.6 | 23.7   | 23.6 | 23.6 | 19.5   | 19.4 | 19.5 | 16.5   | 16.4 | 16.4 | 16.3   | 16.2 | 16.3 | 110                                                                                 |
| 115                                                                               | 32.2   | 32.4 | 32.5 | 29.1   | 29.2 | 29.4 | 26.3   | 26.4 | 26.5 | 22.9   | 22.7 | 22.7 | 18.9   | 18.8 | 18.8 | 15.9   | 15.8 | 15.9 | 15.8   | 15.7 | 15.7 | 115                                                                                 |
| 120                                                                               | 30.6   | 30.7 | 30.8 | 27.7   | 27.8 | 28   | 25.1   | 25.2 | 25.3 | 22.1   | 21.9 | 21.9 | 18.2   | 18.1 | 18.2 | 15.4   | 15.3 | 15.4 | 15.3   | 15.2 | 15.2 | 120                                                                                 |
| 125                                                                               | 29.1   | 29.2 | 29.3 | 26.3   | 26.5 | 26.6 | 24     | 24   | 24.2 | 21.3   | 21.2 | 21.2 | 17.6   | 17.5 | 17.6 | 14.8   | 14.8 | 14.8 | 14.7   | 14.7 | 14.7 | 125                                                                                 |
| 130                                                                               | 27.7   | 27.7 | 27.9 | 25     | 25.2 | 25.3 | 22.9   | 23   | 23.1 | 20.5   | 20.4 | 20.4 | 17.1   | 17   | 17   | 14.3   | 14.3 | 14.3 | 14.3   | 14.2 | 14.2 | 130                                                                                 |
| 135                                                                               | 25.8   | 26.1 | 26.3 | 23.8   | 23.9 | 24   | 21.8   | 22   | 22.1 | 19.7   | 19.6 | 19.7 | 16.5   | 16.4 | 16.5 | 13.8   | 13.8 | 13.8 | 13.8   | 13.7 | 13.8 | 135                                                                                 |
| 140                                                                               | 23.9   | 24.2 | 24.4 | 22.7   | 22.8 | 22.9 | 20.8   | 20.9 | 21   | 19     | 18.9 | 19   | 15.9   | 15.9 | 15.9 | 13.4   | 13.4 | 13.4 | 13.3   | 13.3 | 13.3 | 140                                                                                 |
| 145                                                                               | 22.9   | 22.9 | 23   | 21.5   | 21.7 | 21.8 | 19.8   | 19.9 | 20   | 18.2   | 18.2 | 18.3 | 15.4   | 15.4 | 15.4 | 12.9   | 12.9 | 12.9 | 12.9   | 12.8 | 12.9 | 145                                                                                 |
| 150                                                                               | 21.9   | 21.9 | 22   | 20.5   | 20.6 | 20.7 | 18.9   | 19   | 19.1 | 17.5   | 17.5 | 17.6 | 15     | 14.9 | 14.9 | 12.5   | 12.5 | 12.5 | 12.4   | 12.4 | 12.4 | 150                                                                                 |
| 155                                                                               | 20.6   | 20.8 | 18.2 | 19.2   | 19.5 | 19.6 | 17.9   | 18.1 | 18.2 | 16.7   | 16.8 | 16.9 | 14.5   | 14.4 | 14.5 | 12.1   | 12.1 | 12.1 | 12     | 12   | 12   | 155                                                                                 |
| 160                                                                               | 19.2   | 19.3 | 14.7 | 17.8   | 18.1 | 18.1 | 17.1   | 17.2 | 17.3 | 16     | 16.1 | 16.2 | 14     | 14   | 14   | 11.7   | 11.7 | 11.7 | 11.7   | 11.6 | 11.7 | 160                                                                                 |
| 165                                                                               | 17.8   | 18   | 12.2 | 17     | 17.1 | 17.1 | 16.2   | 16.3 | 16.4 | 15.3   | 15.4 | 15.4 | 13.6   | 13.5 | 13.6 | 11.3   | 11.3 | 11.3 | 11.3   | 11.3 | 11.3 | 165                                                                                 |
| 170                                                                               | 16.6   | 16.7 | 10.2 | 16.3   | 16.3 | 16.4 | 15.4   | 15.6 | 15.6 | 14.6   | 14.6 | 14.7 | 13.1   | 13.1 | 13.1 | 10.9   | 10.9 | 11   | 10.9   | 10.9 | 10.9 | 170                                                                                 |
| 175                                                                               | 15.5   | 15.6 | 8.6  | 15.7   | 15.7 | 13.9 | 14.5   | 14.7 | 14.7 | 13.8   | 13.9 | 14   | 12.7   | 12.7 | 12.7 | 10.6   | 10.6 | 10.6 | 10.6   | 10.6 | 10.6 | 175                                                                                 |
| 180                                                                               | 13.1   | 13.2 | 7.1  | 14.8   | 14.9 | 11.8 | 13.5   | 13.5 | 13.6 | 13.2   | 13.3 | 13.3 | 12.3   | 12.3 | 12.3 | 10.2   | 10.2 | 10.2 | 10.2   | 10.2 | 10.2 | 180                                                                                 |
| 185                                                                               | 9.3    | 9.1  |      | 13.8   | 13.9 | 10   | 12.9   | 12.9 | 13   | 12.6   | 12.7 | 12.7 | 11.9   | 11.9 | 11.9 | 9.8    | 9.8  | 9.9  | 9.7    | 9.8  | 9.8  | 185                                                                                 |
| 190                                                                               |        |      |      | 12.8   | 12.9 | 8.6  | 12.4   | 12.5 | 12.5 | 11.4   | 11.4 | 11.5 | 11.5   | 11.5 | 11.6 | 9.5    | 9.5  | 9.5  | 9.2    | 9.3  | 9.3  | 190                                                                                 |
| 195                                                                               |        |      |      | 10.7   | 10.7 | 7.2  | 11.9   | 12   | 11.4 | 10.9   | 11   | 11   | 11     | 11   | 11.1 | 9.1    | 9.1  | 9.2  | 8.8    | 8.8  | 8.9  | 195                                                                                 |
| 200                                                                               |        |      |      | 7.7    | 7.7  | 5.1  | 11.4   | 11.4 | 9.9  | 9.4    | 9.7  | 9.8  | 10.5   | 10.6 | 10.6 | 8.8    | 8.8  | 8.9  | 8.3    | 8.4  | 8.4  | 200                                                                                 |
| 205                                                                               |        |      |      |        |      |      | 9.8    | 9.9  | 8.5  | 7.5    | 7.9  | 7.8  | 10     | 10.1 | 10.1 | 8.5    | 8.5  | 8.5  | 7.9    | 7.9  | 8    | 205                                                                                 |
| 210                                                                               |        |      |      |        |      |      | 8.8    | 8.8  | 7.3  | 5.7    | 6    | 6    | 9.5    | 9.6  | 9.6  | 8.1    | 8.2  | 8.2  | 7.5    | 7.5  | 7.5  | 210                                                                                 |
| 215                                                                               |        |      |      |        |      |      | 5.7    | 5.8  | 4.2  | 4      | 4.3  | 4.2  | 8.8    | 8.9  | 8.9  | 7.8    | 7.9  | 7.9  | 7.1    | 7.1  | 7.1  | 215                                                                                 |
| 220                                                                               |        |      |      |        |      |      |        |      |      | 2.4    | 2.6  | 2.3  | 8.1    | 8.2  | 8.2  | 7.5    | 7.6  | 7.6  | 6.7    | 6.7  | 6.7  | 220                                                                                 |
| 225                                                                               |        |      |      |        |      |      |        |      |      |        |      |      | 7.4    | 7.5  | 7.5  | 7.2    | 7.2  | 7.3  | 6.3    | 6.3  | 6.3  | 225                                                                                 |
| 230                                                                               |        |      |      |        |      |      |        |      |      |        |      |      | 6.9    | 6.9  | 6.9  | 6.9    | 7    | 7    | 5.9    | 5.9  | 6    | 230                                                                                 |
| 235                                                                               |        |      |      |        |      |      |        |      |      |        |      |      | 6.4    | 6.4  | 6.4  | 6.5    | 6.5  | 6.5  | 5.6    | 5.6  | 5.6  | 235                                                                                 |
| 240                                                                               |        |      |      |        |      |      |        |      |      |        |      |      | 4.6    | 4.8  | 4.3  | 5.9    | 6    | 6    | 5.2    | 5.2  | 5.2  | 240                                                                                 |
| 245                                                                               |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 5.3    | 5.3  | 5.3  | 4.9    | 4.8  | 4.8  | 245                                                                                 |
| 250                                                                               |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      | 4.4    | 4.6  | 4.3  | 4.4    | 4.4  | 4.4  | 250                                                                                 |
| 255                                                                               |        |      |      |        |      |      |        |      |      |        |      |      |        |      |      |        | 2.1  |      | 2.8    | 3    | 2.6  | 255                                                                                 |

t\_240\_002\_56001\_00\_000

# Lifting capacities

## Forces de levage

**TNZK**



|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>NZK 41 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|---------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                  | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 52.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 12  |
| 13  | 52.1  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 13  |
| 14  | 51.7  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 14  |
| 15  | 51.2  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 15  |
| 16  | 50.7  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 16  |
| 17  | 50.1  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 17  |
| 18  | 49.5  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 18  |
| 19  | 48.9  | 39.2 |      |        |      |      |                     |      |      |        |      |      |        |      |      | 19  |
| 20  | 48.3  | 39   |      |        |      |      |                     |      |      |        |      |      |        |      |      | 20  |
| 22  | 47.1  | 37.2 |      |        |      |      |                     |      |      |        |      |      |        |      |      | 22  |
| 24  | 45.8  | 35.3 |      | 52.7   |      |      |                     |      |      |        |      |      |        |      |      | 24  |
| 26  | 44.3  | 33.6 |      | 52.8   |      |      |                     |      |      |        |      |      |        |      |      | 26  |
| 28  | 42.9  | 32.1 | 23.1 | 52.8   |      |      | 47.4                |      |      |        |      |      |        |      |      | 28  |
| 30  | 41.4  | 30.8 | 22.8 | 52.6   |      |      | 47.4                |      |      |        |      |      |        |      |      | 30  |
| 32  | 40.1  | 29.5 | 22.1 | 52.4   |      |      | 47.4                |      |      | 41.7   |      |      |        |      |      | 32  |
| 34  | 38.8  | 28.5 | 21.6 | 52     |      |      | 47.3                |      |      | 41.6   |      |      |        |      |      | 34  |
| 36  | 37.5  | 27.4 | 21.1 | 51.6   |      |      | 47.1                |      |      | 41.6   |      |      | 35.6   |      |      | 36  |
| 38  | 36.3  | 26.4 | 20.6 | 51.2   | 38.4 |      | 46.7                |      |      | 41.5   |      |      | 35.7   |      |      | 38  |
| 40  | 34.9  | 25.6 | 20.2 | 50.7   | 37.5 |      | 46.3                |      |      | 41.3   |      |      | 35.7   |      |      | 40  |
| 45  | 31.2  | 23.6 | 19.2 | 49.3   | 35.2 | 23.1 | 45.4                | 36.1 |      | 40.7   |      |      | 35.5   |      |      | 45  |
| 50  | 28    | 22.1 | 18.4 | 47.8   | 33.3 | 22.3 | 44.5                | 34.1 | 22.5 | 40.1   | 34.5 |      | 35.2   |      |      | 50  |
| 55  | 25.4  | 20.8 | 17.8 | 46.3   | 31.6 | 21.7 | 43.5                | 32.3 | 21.9 | 39.5   | 32.9 | 22   | 34.8   | 31.8 |      | 55  |
| 60  | 23.4  | 19.6 | 17.4 | 44.6   | 30   | 21.1 | 42.6                | 30.8 | 21.3 | 38.8   | 31.3 | 21.4 | 34.4   | 31   | 21.5 | 60  |
| 65  | 21.6  | 18.7 | 17.1 | 42.8   | 28.7 | 20.6 | 41.4                | 29.5 | 20.8 | 38.2   | 29.9 | 20.9 | 34     | 30.1 | 20.9 | 65  |
| 70  | 20.1  | 18   | 17.1 | 41.1   | 27.5 | 20.1 | 40.1                | 28.3 | 20.3 | 37.5   | 28.7 | 20.5 | 33.6   | 28.8 | 20.5 | 70  |
| 75  | 18.8  | 17.6 | 16.3 | 39.5   | 26.4 | 19.6 | 38.8                | 27.2 | 19.9 | 36.7   | 27.5 | 20   | 33.1   | 27.7 | 20.1 | 75  |
| 80  | 17.8  | 17.5 |      | 38     | 25.4 | 19.2 | 37.6                | 26.2 | 19.5 | 35.8   | 26.6 | 19.7 | 32.7   | 26.7 | 19.7 | 80  |
| 85  |       |      |      | 36.5   | 24.5 | 18.9 | 36.4                | 25.2 | 19.1 | 34.9   | 25.7 | 19.3 | 32     | 25.8 | 19.4 | 85  |
| 90  |       |      |      | 34.8   | 23.6 | 18.6 | 35.2                | 24.4 | 18.8 | 34     | 24.8 | 19   | 31.4   | 25   | 19.1 | 90  |
| 95  |       |      |      | 33     | 22.9 | 18.3 | 34.1                | 23.6 | 18.5 | 33.1   | 24   | 18.7 | 30.7   | 24.3 | 18.8 | 95  |
| 100 |       |      |      | 31.3   | 22.2 | 18   | 32.9                | 22.9 | 18.2 | 32.3   | 23.3 | 18.4 | 29.9   | 23.5 | 18.5 | 100 |
| 105 |       |      |      | 29.6   | 21.5 | 17.8 | 31.4                | 22.3 | 18   | 31.5   | 22.7 | 18.1 | 29     | 22.9 | 18.2 | 105 |
| 110 |       |      |      | 28.2   | 20.9 | 17.6 | 30                  | 21.6 | 17.8 | 30.5   | 22.1 | 17.9 | 27.8   | 22.3 | 18   | 110 |
| 115 |       |      |      | 26.9   | 20.4 | 17.4 | 28.6                | 21   | 17.6 | 29.4   | 21.5 | 17.7 | 26.5   | 21.7 | 17.8 | 115 |
| 120 |       |      |      | 25.7   | 19.9 | 17.3 | 27.3                | 20.6 | 17.4 | 28.2   | 21   | 17.5 | 25.4   | 21.1 | 17.6 | 120 |
| 125 |       |      |      | 24.6   | 19.4 | 17.2 | 26.3                | 20.1 | 17.3 | 27     | 20.5 | 17.4 | 24.3   | 20.7 | 17.4 | 125 |
| 130 |       |      |      | 23.7   | 19   | 17.1 | 25.2                | 19.6 | 17.1 | 25.9   | 20.1 | 17.2 | 23.2   | 20.3 | 17.3 | 130 |
| 135 |       |      |      | 22.8   | 18.6 | 17.1 | 24.2                | 19.2 | 17.1 | 24.7   | 19.7 | 17.2 | 22.2   | 19.9 | 17.2 | 135 |
| 140 |       |      |      | 21.9   | 18.3 | 17.1 | 23.3                | 18.9 | 17   | 23.6   | 19.3 | 17.1 | 21.2   | 19.5 | 17.1 | 140 |
| 145 |       |      |      | 21.1   | 18   | 15.7 | 22.6                | 18.6 | 17   | 22.6   | 18.9 | 17   | 20.2   | 19.1 | 17.1 | 145 |
| 150 |       |      |      | 20.4   | 17.8 | 10.1 | 21.8                | 18.2 | 17   | 21.5   | 18.6 | 17   | 19.3   | 18.7 | 17   | 150 |
| 155 |       |      |      | 19.7   | 17.6 | 7.2  | 21                  | 18   | 16.5 | 20.4   | 18.4 | 17   | 18.4   | 18.3 | 17   | 155 |
| 160 |       |      |      | 19.1   | 17.5 | 5.4  | 20.4                | 17.8 | 12.4 | 19     | 18.1 | 17   | 17.5   | 17.8 | 16.8 | 160 |
| 165 |       |      |      | 18.6   | 17.5 |      | 19.4                | 17.6 | 8.7  | 17.7   | 17.8 | 17   | 16.7   | 17.1 | 16.6 | 165 |
| 170 |       |      |      | 17.2   | 16   |      | 18.1                | 17.5 | 6.6  | 17     | 17.1 | 15.1 | 16     | 16.4 | 16.4 | 170 |
| 175 |       |      |      | 10.2   | 6.9  |      | 17                  | 17.4 | 5.1  | 16.3   | 16.5 | 10.5 | 15     | 15.6 | 15.8 | 175 |
| 180 |       |      |      |        |      |      | 15.9                | 16.3 |      | 15.5   | 15.8 | 7.8  | 14     | 14.7 | 15   | 180 |
| 185 |       |      |      |        |      |      | 13.3                | 15.2 |      | 14.5   | 15   | 6.1  | 13.1   | 13.6 | 12.2 | 185 |
| 190 |       |      |      |        |      |      | 7.7                 | 7.5  |      | 13.6   | 14   | 4.9  | 12.6   | 12.7 | 9.1  | 190 |
| 195 |       |      |      |        |      |      |                     |      |      | 12.7   | 13   |      | 12.1   | 12.2 | 7.2  | 195 |
| 200 |       |      |      |        |      |      |                     |      |      | 10.4   | 12.1 |      | 11.6   | 11.7 | 5.8  | 200 |
| 205 |       |      |      |        |      |      |                     |      |      | 6.1    | 7.8  |      | 11     | 11.3 |      | 205 |
| 210 |       |      |      |        |      |      |                     |      |      |        |      |      | 10.3   | 10.6 |      | 210 |
| 215 |       |      |      |        |      |      |                     |      |      |        |      |      | 8.3    | 9.8  |      | 215 |
| 220 |       |      |      |        |      |      |                     |      |      |        |      |      | 7.1    | 7.2  |      | 220 |

t\_240\_002\_56101\_00\_000

# Lifting capacities

## Forces de levage

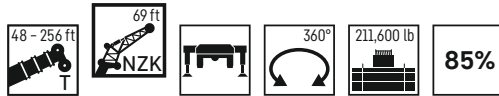


|  | 208 ft |      |      | 224 ft |      |      | 240 ft    |      |      | 253 ft |      |      | 256 ft |      |      |  |
|-----------------------------------------------------------------------------------|--------|------|------|--------|------|------|-----------|------|------|--------|------|------|--------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   |        |      |      |        |      |      | NZK 41 ft |      |      |        |      |      |        |      |      |                                                                                     |
|                                                                                   | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°        | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |                                                                                     |
| 45                                                                                | 30     |      |      | 23.3   |      |      |           |      |      |        |      |      |        |      |      | 45                                                                                  |
| 50                                                                                | 30.1   |      |      | 23.5   |      |      | 19.4      |      |      |        |      |      |        |      |      | 50                                                                                  |
| 55                                                                                | 29.9   |      |      | 23.6   |      |      | 19.4      |      |      | 16.4   |      |      | 15.9   |      |      | 55                                                                                  |
| 60                                                                                | 29.7   | 28.3 |      | 23.8   |      |      | 19.4      |      |      | 16.4   |      |      | 15.9   |      |      | 60                                                                                  |
| 65                                                                                | 29.5   | 27.8 | 20.9 | 23.9   | 23.9 |      | 19.3      |      |      | 16.4   |      |      | 16     |      |      | 65                                                                                  |
| 70                                                                                | 29.3   | 27.3 | 22.6 | 23.8   | 23.7 |      | 19.2      | 19.2 |      | 16.3   |      |      | 15.9   |      |      | 70                                                                                  |
| 75                                                                                | 28.9   | 26.9 | 22   | 23.6   | 23.3 | 22.5 | 19.1      | 18.8 |      | 16.1   | 16   |      | 15.8   | 15.7 |      | 75                                                                                  |
| 80                                                                                | 28.5   | 26.4 | 21.5 | 23.2   | 22.8 | 22.1 | 18.9      | 18.4 | 17.8 | 15.9   | 15.8 |      | 15.6   | 15.5 |      | 80                                                                                  |
| 85                                                                                | 28.1   | 25.6 | 21.1 | 22.6   | 22.3 | 21.6 | 18.7      | 17.9 | 17.4 | 15.7   | 15.5 | 15.1 | 15.4   | 15.2 | 15   | 85                                                                                  |
| 90                                                                                | 27.4   | 24.8 | 20.8 | 22.1   | 21.7 | 21.2 | 18.2      | 17.5 | 16.9 | 15.5   | 15.1 | 14.7 | 15.2   | 15   | 14.6 | 90                                                                                  |
| 95                                                                                | 26.7   | 24.1 | 20.5 | 21.5   | 21.1 | 20.7 | 17.9      | 17   | 16.4 | 15.1   | 14.8 | 14.4 | 14.9   | 14.6 | 14.2 | 95                                                                                  |
| 100                                                                               | 25.8   | 23.4 | 20.2 | 20.8   | 20.4 | 20.3 | 17.4      | 16.6 | 16   | 14.7   | 14.4 | 14   | 14.5   | 14.3 | 13.9 | 100                                                                                 |
| 105                                                                               | 24.9   | 22.8 | 19.9 | 20.2   | 19.8 | 19.7 | 17        | 16.1 | 15.6 | 14.3   | 14.1 | 13.7 | 14.1   | 13.9 | 13.6 | 105                                                                                 |
| 110                                                                               | 24     | 22.2 | 19.4 | 19.5   | 19.1 | 19.1 | 16.5      | 15.7 | 15.2 | 13.9   | 13.7 | 13.4 | 13.8   | 13.6 | 13.3 | 110                                                                                 |
| 115                                                                               | 23.2   | 21.7 | 18.8 | 18.9   | 18.5 | 18.5 | 16.1      | 15.3 | 14.9 | 13.5   | 13.3 | 13   | 13.4   | 13.2 | 12.9 | 115                                                                                 |
| 120                                                                               | 22.4   | 21.1 | 18.2 | 18.2   | 17.9 | 17.9 | 15.6      | 14.9 | 14.5 | 13.1   | 12.9 | 12.7 | 12.9   | 12.8 | 12.6 | 120                                                                                 |
| 125                                                                               | 21.5   | 20.7 | 17.6 | 17.6   | 17.3 | 17.3 | 15.1      | 14.6 | 14.2 | 12.6   | 12.5 | 12.4 | 12.5   | 12.4 | 12.3 | 125                                                                                 |
| 130                                                                               | 20.7   | 20.1 | 17.3 | 17     | 16.8 | 16.7 | 14.6      | 14.2 | 13.9 | 12.2   | 12.1 | 12.1 | 12.1   | 12   | 12.1 | 130                                                                                 |
| 135                                                                               | 19.9   | 19.6 | 17.2 | 16.4   | 16.2 | 16.2 | 14.1      | 13.8 | 13.5 | 11.8   | 11.7 | 11.8 | 11.7   | 11.6 | 11.7 | 135                                                                                 |
| 140                                                                               | 19.1   | 19   | 17.1 | 15.9   | 15.7 | 15.7 | 13.7      | 13.4 | 13.2 | 11.4   | 11.3 | 11.4 | 11.3   | 11.2 | 11.4 | 140                                                                                 |
| 145                                                                               | 18.3   | 18.3 | 17.1 | 15.4   | 15.2 | 15.2 | 13.2      | 13   | 12.9 | 11     | 10.9 | 11   | 10.9   | 10.9 | 11   | 145                                                                                 |
| 150                                                                               | 17.5   | 17.7 | 17   | 14.9   | 14.7 | 14.7 | 12.8      | 12.7 | 12.6 | 10.6   | 10.6 | 10.7 | 10.6   | 10.5 | 10.6 | 150                                                                                 |
| 155                                                                               | 16.7   | 17.1 | 16.8 | 14.4   | 14.3 | 14.3 | 12.4      | 12.3 | 12.3 | 10.3   | 10.2 | 10.3 | 10.2   | 10.2 | 10.3 | 155                                                                                 |
| 160                                                                               | 16     | 16.4 | 16.3 | 13.9   | 13.8 | 13.8 | 12        | 11.9 | 12   | 9.9    | 9.9  | 10   | 9.8    | 9.8  | 9.9  | 160                                                                                 |
| 165                                                                               | 15.3   | 15.6 | 15.7 | 13.5   | 13.3 | 13.4 | 11.6      | 11.6 | 11.6 | 9.6    | 9.5  | 9.6  | 9.5    | 9.5  | 9.6  | 165                                                                                 |
| 170                                                                               | 14.6   | 14.9 | 15.2 | 13     | 12.9 | 13   | 11.2      | 11.2 | 11.3 | 9.2    | 9.2  | 9.3  | 9.2    | 9.2  | 9.3  | 170                                                                                 |
| 175                                                                               | 13.9   | 14.2 | 14.5 | 12.5   | 12.5 | 12.6 | 10.9      | 10.8 | 10.9 | 8.9    | 8.9  | 9    | 8.9    | 8.9  | 9    | 175                                                                                 |
| 180                                                                               | 13.2   | 13.6 | 13.9 | 12.1   | 12.1 | 12.2 | 10.5      | 10.5 | 10.6 | 8.6    | 8.6  | 8.7  | 8.6    | 8.6  | 8.7  | 180                                                                                 |
| 185                                                                               | 12.6   | 13   | 13.2 | 11.6   | 11.7 | 11.8 | 10.2      | 10.2 | 10.3 | 8.3    | 8.3  | 8.4  | 8.3    | 8.3  | 8.4  | 185                                                                                 |
| 190                                                                               | 12     | 12.3 | 12.6 | 11.1   | 11.3 | 11.5 | 9.8       | 9.8  | 9.9  | 8      | 8    | 8.1  | 8      | 8    | 8.1  | 190                                                                                 |
| 195                                                                               | 11.2   | 11.7 | 11.9 | 10.7   | 10.9 | 11.1 | 9.5       | 9.5  | 9.6  | 7.8    | 7.8  | 7.9  | 7.7    | 7.8  | 7.9  | 195                                                                                 |
| 200                                                                               | 10.3   | 11   | 10.7 | 10.2   | 10.4 | 10.7 | 9.2       | 9.2  | 9.3  | 7.5    | 7.5  | 7.6  | 7.4    | 7.5  | 7.6  | 200                                                                                 |
| 205                                                                               | 9.8    | 10.1 | 8.3  | 9.7    | 10   | 10.2 | 8.9       | 8.9  | 9    | 7.3    | 7.3  | 7.4  | 7.1    | 7.3  | 7.4  | 205                                                                                 |
| 210                                                                               | 9.5    | 9.5  | 6.7  | 9.2    | 9.5  | 9.7  | 8.6       | 8.7  | 8.8  | 7.1    | 7    | 7.1  | 6.8    | 7.1  | 7.1  | 210                                                                                 |
| 215                                                                               | 9.1    | 9.2  | 5.5  | 8.7    | 9    | 9.2  | 8.3       | 8.4  | 8.5  | 6.8    | 6.8  | 6.9  | 6.5    | 6.8  | 6.8  | 215                                                                                 |
| 220                                                                               | 8.7    | 8.8  |      | 7.9    | 8.4  | 7.6  | 7.9       | 8.1  | 8.2  | 6.6    | 6.6  | 6.7  | 6.2    | 6.4  | 6.5  | 220                                                                                 |
| 225                                                                               | 8.4    | 8.5  |      | 7.6    | 7.7  | 6.3  | 7.6       | 7.8  | 7.9  | 6.4    | 6.4  | 6.5  | 5.9    | 6.1  | 6.2  | 225                                                                                 |
| 230                                                                               | 7      | 8.2  |      | 7.4    | 7.4  | 5.3  | 7.2       | 7.5  | 7.6  | 6.2    | 6.2  | 6.3  | 5.5    | 5.7  | 5.9  | 230                                                                                 |
| 235                                                                               | 5.6    | 6.6  |      | 7.1    | 7.2  |      | 6.8       | 7.1  | 7    | 6      | 6    | 6.1  | 5.1    | 5.4  | 5.5  | 235                                                                                 |
| 240                                                                               |        |      |      | 6.9    | 6.9  |      | 6.3       | 6.6  | 6    | 5.8    | 5.8  | 5.9  | 4.8    | 5    | 5.1  | 240                                                                                 |
| 245                                                                               |        |      |      | 6.1    | 6.8  |      | 5.8       | 6.1  | 5.1  | 5.5    | 5.6  | 5.7  | 4.4    | 4.7  | 4.7  | 245                                                                                 |
| 250                                                                               |        |      |      | 3.5    | 4.8  |      | 5.1       | 5.5  |      | 5.2    | 5.4  | 5.5  | 4.1    | 4.3  | 4.4  | 250                                                                                 |
| 255                                                                               |        |      |      |        |      |      | 4.6       | 4.9  |      | 4.6    | 5    | 5.1  | 3.8    | 4    | 4    | 255                                                                                 |
| 260                                                                               |        |      |      |        |      |      | 3.2       | 4.3  |      | 4      | 4.4  |      | 3.5    | 3.7  | 3.7  | 260                                                                                 |
| 265                                                                               |        |      |      |        |      |      |           |      |      | 3.4    | 3.8  |      | 3.2    | 3.4  |      | 265                                                                                 |
| 270                                                                               |        |      |      |        |      |      |           |      |      | 2.8    | 3.2  |      | 2.7    | 3    |      | 270                                                                                 |
| 275                                                                               |        |      |      |        |      |      |           |      |      |        |      |      |        | 2.4  |      | 275                                                                                 |

t\_240\_002\_56101\_00\_000

# Lifting capacities

## Forces de levage



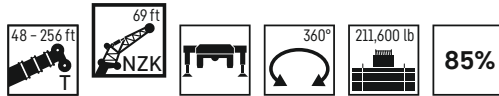
|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>NZK 69 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|---------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                  | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 20.8  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 12  |
| 13  | 20.8  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 13  |
| 14  | 20.9  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 14  |
| 15  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 15  |
| 16  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 16  |
| 17  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 17  |
| 18  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 18  |
| 19  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 19  |
| 20  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 20  |
| 22  | 21    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 22  |
| 24  | 20.9  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 24  |
| 26  | 20.7  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 26  |
| 28  | 20.5  |      |      | 20.8   |      |      |                     |      |      |        |      |      |        |      |      | 28  |
| 30  | 20.3  |      |      | 20.9   |      |      | 19.9                |      |      |        |      |      |        |      |      | 30  |
| 32  | 20    |      |      | 21     |      |      | 19.9                |      |      |        |      |      |        |      |      | 32  |
| 34  | 19.7  | 17.8 |      | 21     |      |      | 19.9                |      |      | 18.7   |      |      |        |      |      | 34  |
| 36  | 19.4  | 17.5 |      | 21     |      |      | 19.9                |      |      | 18.7   |      |      |        |      |      | 36  |
| 38  | 19.1  | 17.2 |      | 21     |      |      | 19.9                |      |      | 18.8   |      |      | 17.4   |      |      | 38  |
| 40  | 18.7  | 16.9 |      | 21     |      |      | 19.9                |      |      | 18.8   |      |      | 17.4   |      |      | 40  |
| 45  | 17.9  | 16.1 |      | 21     |      |      | 19.9                |      |      | 18.8   |      |      | 17.5   |      |      | 45  |
| 50  | 17.1  | 15.4 |      | 20.8   |      |      | 19.9                |      |      | 18.8   |      |      | 17.5   |      |      | 50  |
| 55  | 16.3  | 14.7 | 13.2 | 20.5   | 17.5 |      | 19.8                | 17.2 |      | 18.8   |      |      | 17.5   |      |      | 55  |
| 60  | 15.5  | 14.1 | 12.8 | 20.3   | 17   |      | 19.6                | 16.8 |      | 18.7   | 16.3 |      | 17.5   |      |      | 60  |
| 65  | 14.8  | 13.6 | 12.4 | 19.9   | 16.7 |      | 19.3                | 16.4 |      | 18.5   | 16   |      | 17.3   | 15.2 |      | 65  |
| 70  | 14.2  | 13.1 | 12   | 19.5   | 16.2 | 13.4 | 19                  | 16   |      | 18.2   | 15.6 |      | 17.1   | 15   |      | 70  |
| 75  | 13.6  | 12.6 | 11.8 | 19     | 15.8 | 13.2 | 18.6                | 15.6 | 13.1 | 17.9   | 15.3 |      | 16.8   | 14.7 |      | 75  |
| 80  | 13.1  | 12.3 | 11.6 | 18.6   | 15.4 | 13   | 18.2                | 15.3 | 12.9 | 17.6   | 15   | 12.7 | 16.6   | 14.4 |      | 80  |
| 85  | 12.6  | 12   | 11.4 | 18.1   | 15.1 | 12.8 | 17.8                | 15   | 12.7 | 17.2   | 14.7 | 12.5 | 16.3   | 14.2 | 12.2 | 85  |
| 90  | 12.1  | 11.7 | 11.4 | 17.7   | 14.7 | 12.6 | 17.4                | 14.6 | 12.5 | 16.9   | 14.4 | 12.3 | 16     | 13.9 | 12.1 | 90  |
| 95  | 11.6  | 11.5 | 11.4 | 17.2   | 14.4 | 12.4 | 17                  | 14.3 | 12.3 | 16.5   | 14.1 | 12.2 | 15.7   | 13.7 | 11.9 | 95  |
| 100 | 11.1  | 11.4 | 11.4 | 16.7   | 14.1 | 12.2 | 16.6                | 14.1 | 12.2 | 16.2   | 13.9 | 12   | 15.4   | 13.4 | 11.8 | 100 |
| 105 | 10.6  | 11.3 | 4.5  | 16.3   | 13.8 | 12.1 | 16.2                | 13.8 | 12   | 15.8   | 13.6 | 11.9 | 15.1   | 13.2 | 11.7 | 105 |
| 110 | 9.8   |      |      | 15.9   | 13.5 | 11.9 | 15.8                | 13.5 | 11.9 | 15.5   | 13.4 | 11.7 | 14.9   | 13   | 11.5 | 110 |
| 115 |       |      |      | 15.5   | 13.3 | 11.8 | 15.5                | 13.3 | 11.8 | 15.2   | 13.1 | 11.6 | 14.6   | 12.8 | 11.4 | 115 |
| 120 |       |      |      | 15.1   | 13.1 | 11.7 | 15.1                | 13   | 11.6 | 14.9   | 12.9 | 11.5 | 14.4   | 12.6 | 11.3 | 120 |
| 125 |       |      |      | 14.7   | 12.8 | 11.6 | 14.8                | 12.8 | 11.5 | 14.6   | 12.7 | 11.4 | 14.1   | 12.4 | 11.2 | 125 |
| 130 |       |      |      | 14.4   | 12.6 | 11.5 | 14.4                | 12.6 | 11.4 | 14.3   | 12.5 | 11.4 | 13.9   | 12.3 | 11.1 | 130 |
| 135 |       |      |      | 14.1   | 12.4 | 11.4 | 14.1                | 12.4 | 11.4 | 14     | 12.3 | 11.3 | 13.6   | 12.1 | 11.1 | 135 |
| 140 |       |      |      | 13.7   | 12.2 | 11.4 | 13.8                | 12.3 | 11.3 | 13.8   | 12.2 | 11.2 | 13.4   | 11.9 | 11   | 140 |
| 145 |       |      |      | 13.4   | 12.1 | 11.4 | 13.6                | 12.1 | 11.3 | 13.5   | 12   | 11.2 | 13.2   | 11.8 | 11   | 145 |
| 150 |       |      |      | 13.1   | 11.9 | 11.4 | 13.3                | 11.9 | 11.2 | 13.2   | 11.9 | 11.1 | 13     | 11.7 | 10.9 | 150 |
| 155 |       |      |      | 12.9   | 11.8 | 11.4 | 13                  | 11.8 | 11.2 | 13     | 11.7 | 11.1 | 12.8   | 11.5 | 10.9 | 155 |
| 160 |       |      |      | 12.6   | 11.7 | 11.4 | 12.8                | 11.7 | 11.2 | 12.8   | 11.6 | 11.1 | 12.6   | 11.4 | 10.8 | 160 |
| 165 |       |      |      | 12.3   | 11.6 | 11.4 | 12.5                | 11.6 | 11.2 | 12.5   | 11.5 | 11.1 | 12.4   | 11.3 | 10.8 | 165 |
| 170 |       |      |      | 12     | 11.5 | 11.4 | 12.3                | 11.5 | 11.2 | 12.3   | 11.4 | 11.1 | 12.2   | 11.2 | 10.8 | 170 |
| 175 |       |      |      | 11.8   | 11.5 | 11.4 | 12.1                | 11.4 | 11.2 | 12.1   | 11.3 | 11.1 | 12     | 11.1 | 10.8 | 175 |
| 180 |       |      |      | 11.5   | 11.4 | 8.6  | 11.8                | 11.3 | 11.2 | 12     | 11.2 | 11.1 | 11.8   | 11.1 | 10.8 | 180 |
| 185 |       |      |      | 11.2   | 11.3 | 6.2  | 11.6                | 11.3 | 11.2 | 11.8   | 11.2 | 11.1 | 11.7   | 11   | 10.8 | 185 |
| 190 |       |      |      | 10.9   | 11.3 |      | 11.4                | 11.3 | 10.3 | 11.6   | 11.1 | 11.1 | 11.5   | 10.9 | 10.8 | 190 |
| 195 |       |      |      | 10.6   | 11.3 |      | 11.2                | 11.2 | 7.6  | 11.4   | 11.1 | 11.1 | 11.2   | 10.9 | 10.8 | 195 |
| 200 |       |      |      | 10.2   | 10.7 |      | 11                  | 11.2 | 5.8  | 11.3   | 11.1 | 11.1 | 11     | 10.9 | 10.8 | 200 |
| 205 |       |      |      |        |      |      | 10.8                | 11.2 |      | 11.1   | 11   | 9.1  | 10.7   | 10.9 | 10.8 | 205 |
| 210 |       |      |      |        |      |      | 10.5                | 11.2 |      | 10.9   | 11   | 7    | 10.1   | 10.6 | 10.8 | 210 |
| 215 |       |      |      |        |      |      | 7.7                 | 10.6 |      | 10.7   | 10.9 | 5.4  | 9.4    | 10.2 | 10.3 | 215 |
| 220 |       |      |      |        |      |      |                     |      |      | 10.1   | 10.7 |      | 9      | 9.4  | 8.2  | 220 |
| 225 |       |      |      |        |      |      |                     |      |      | 8.8    | 9.9  |      | 8.7    | 8.8  | 6.4  | 225 |
| 230 |       |      |      |        |      |      |                     |      |      | 6      | 8.1  |      | 8.3    | 8.5  | 5.2  | 230 |
| 235 |       |      |      |        |      |      |                     |      |      |        | 3    |      | 8      | 8.2  |      | 235 |
| 240 |       |      |      |        |      |      |                     |      |      |        |      |      | 7      | 7.9  |      | 240 |
| 245 |       |      |      |        |      |      |                     |      |      |        |      |      | 5.2    | 6.5  |      | 245 |
| 250 |       |      |      |        |      |      |                     |      |      |        |      |      |        | 5.2  |      | 250 |

t\_240\_002\_56301\_00\_000



# Lifting capacities

## Forces de levage



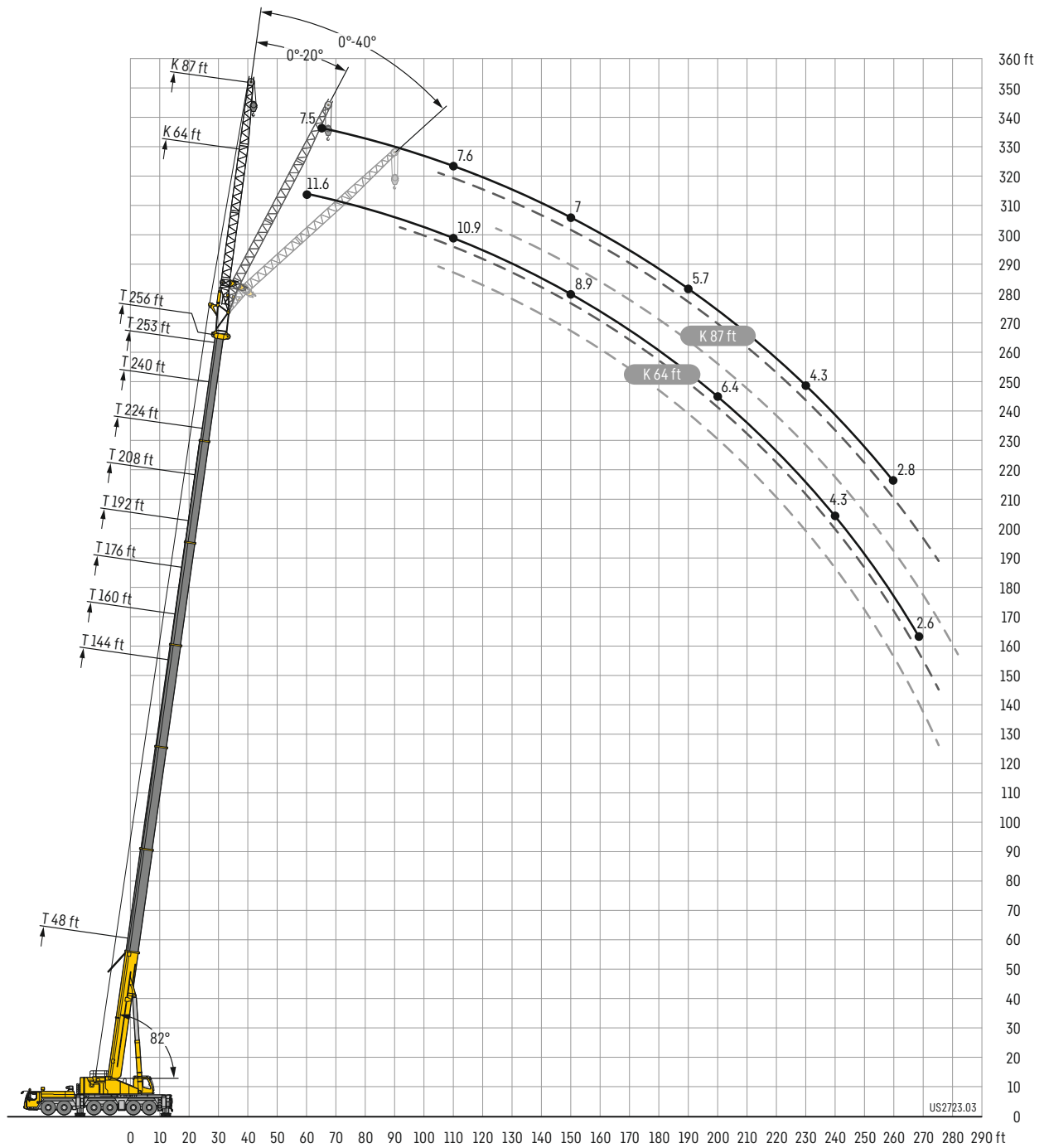
|     | 208 ft |      |      | 224 ft |      |      | 240 ft<br>NZK 69 ft |      |      | 253 ft |      |     | 256 ft |     |     |     |
|-----|--------|------|------|--------|------|------|---------------------|------|------|--------|------|-----|--------|-----|-----|-----|
|     | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                  | 20°  | 40°  | 0°     | 20°  | 40° | 0°     | 20° | 40° |     |
| 45  | 15.8   |      |      |        |      |      |                     |      |      |        |      |     |        |     |     | 45  |
| 50  | 15.9   |      |      | 14     |      |      |                     |      |      |        |      |     |        |     |     | 50  |
| 55  | 15.9   |      |      | 14.1   |      |      | 12.2                |      |      |        |      |     |        |     |     | 55  |
| 60  | 15.8   |      |      | 14.1   |      |      | 12.2                |      |      | 10.6   |      |     | 10.4   |     |     | 60  |
| 65  | 15.7   |      |      | 14     |      |      | 12.2                |      |      | 10.6   |      |     | 10.4   |     |     | 65  |
| 70  | 15.6   | 14.1 |      | 14     |      |      | 12.2                |      |      | 10.7   |      |     | 10.4   |     |     | 70  |
| 75  | 15.5   | 13.9 |      | 13.8   |      |      | 12.1                |      |      | 10.7   |      |     | 10.5   |     |     | 75  |
| 80  | 15.2   | 13.6 |      | 13.7   | 12.6 |      | 12.1                |      |      | 10.7   |      |     | 10.4   |     |     | 80  |
| 85  | 15     | 13.4 |      | 13.6   | 12.5 |      | 12                  | 11.3 |      | 10.6   |      |     | 10.4   |     |     | 85  |
| 90  | 14.8   | 13.2 | 11.7 | 13.4   | 12.3 |      | 11.9                | 11.2 |      | 10.6   | 10.2 |     | 10.4   | 10  |     | 90  |
| 95  | 14.6   | 13   | 11.5 | 13.2   | 12.1 | 11.1 | 11.8                | 11.1 |      | 10.5   | 10.1 |     | 10.3   | 9.9 |     | 95  |
| 100 | 14.4   | 12.8 | 11.4 | 13.1   | 12   | 11   | 11.7                | 11   |      | 10.4   | 10.1 |     | 10.3   | 9.9 |     | 100 |
| 105 | 14.2   | 12.6 | 11.3 | 13     | 11.9 | 10.9 | 11.6                | 10.9 | 10.3 | 10.4   | 10   |     | 10.2   | 9.8 |     | 105 |
| 110 | 14     | 12.4 | 11.2 | 12.8   | 11.7 | 10.8 | 11.5                | 10.8 | 10.3 | 10.3   | 9.9  | 9.6 | 10.1   | 9.8 | 9.5 | 110 |
| 115 | 13.8   | 12.3 | 11.1 | 12.7   | 11.6 | 10.7 | 11.4                | 10.7 | 10.2 | 10.2   | 9.8  | 9.5 | 10     | 9.7 | 9.4 | 115 |
| 120 | 13.6   | 12.1 | 11   | 12.5   | 11.5 | 10.6 | 11.2                | 10.6 | 10.1 | 10.1   | 9.6  | 9.4 | 10     | 9.5 | 9.3 | 120 |
| 125 | 13.4   | 12   | 11   | 12.4   | 11.4 | 10.6 | 11.1                | 10.5 | 10.1 | 10     | 9.4  | 9.2 | 9.9    | 9.4 | 9.1 | 125 |
| 130 | 13.2   | 11.8 | 10.9 | 12.2   | 11.2 | 10.5 | 10.9                | 10.4 | 10   | 9.8    | 9.2  | 8.9 | 9.7    | 9.1 | 8.9 | 130 |
| 135 | 13     | 11.7 | 10.8 | 12.1   | 11.1 | 10.5 | 10.8                | 10.2 | 9.9  | 9.5    | 9    | 8.7 | 9.4    | 8.9 | 8.7 | 135 |
| 140 | 12.8   | 11.5 | 10.8 | 11.9   | 11   | 10.5 | 10.6                | 10   | 9.7  | 9.2    | 8.7  | 8.5 | 9.2    | 8.7 | 8.5 | 140 |
| 145 | 12.6   | 11.4 | 10.7 | 11.8   | 10.9 | 10.4 | 10.4                | 9.8  | 9.5  | 9      | 8.5  | 8.3 | 8.9    | 8.5 | 8.3 | 145 |
| 150 | 12.4   | 11.3 | 10.7 | 11.6   | 10.8 | 10.4 | 10.2                | 9.5  | 9.3  | 8.7    | 8.3  | 8.1 | 8.7    | 8.3 | 8.1 | 150 |
| 155 | 12.2   | 11.2 | 10.7 | 11.5   | 10.7 | 10.4 | 10                  | 9.3  | 9.1  | 8.5    | 8.1  | 7.9 | 8.4    | 8.1 | 7.9 | 155 |
| 160 | 12.1   | 11.1 | 10.6 | 11.3   | 10.6 | 10.3 | 9.7                 | 9.1  | 8.9  | 8.2    | 7.9  | 7.8 | 8.2    | 7.9 | 7.8 | 160 |
| 165 | 11.9   | 11   | 10.6 | 11.1   | 10.5 | 10.3 | 9.5                 | 8.9  | 8.8  | 8      | 7.7  | 7.6 | 7.9    | 7.7 | 7.6 | 165 |
| 170 | 11.8   | 10.9 | 10.6 | 10.8   | 10.4 | 10.3 | 9.2                 | 8.7  | 8.6  | 7.7    | 7.6  | 7.5 | 7.7    | 7.5 | 7.5 | 170 |
| 175 | 11.6   | 10.9 | 10.6 | 10.5   | 10.2 | 10.3 | 8.9                 | 8.5  | 8.4  | 7.4    | 7.4  | 7.3 | 7.4    | 7.4 | 7.3 | 175 |
| 180 | 11.4   | 10.8 | 10.6 | 10.2   | 10   | 10.2 | 8.7                 | 8.3  | 8.2  | 7.2    | 7.2  | 7.2 | 7.2    | 7.2 | 7.2 | 180 |
| 185 | 11.1   | 10.7 | 10.6 | 9.9    | 9.8  | 10   | 8.5                 | 8.1  | 8.1  | 7      | 7    | 7   | 6.9    | 7   | 7   | 185 |
| 190 | 10.8   | 10.7 | 10.6 | 9.6    | 9.6  | 9.8  | 8.2                 | 8    | 7.9  | 6.8    | 6.8  | 6.9 | 6.7    | 6.8 | 6.9 | 190 |
| 195 | 10.6   | 10.6 | 10.6 | 9.3    | 9.3  | 9.6  | 7.9                 | 7.8  | 7.8  | 6.6    | 6.7  | 6.8 | 6.5    | 6.6 | 6.7 | 195 |
| 200 | 10.3   | 10.5 | 10.6 | 9.1    | 9.1  | 9.3  | 7.7                 | 7.6  | 7.6  | 6.4    | 6.5  | 6.6 | 6.3    | 6.4 | 6.6 | 200 |
| 205 | 9.9    | 10.2 | 10.5 | 8.8    | 8.8  | 9    | 7.5                 | 7.5  | 7.5  | 6.2    | 6.3  | 6.4 | 6.2    | 6.2 | 6.4 | 205 |
| 210 | 9.5    | 9.8  | 10.2 | 8.5    | 8.5  | 8.7  | 7.3                 | 7.3  | 7.4  | 6      | 6.1  | 6.2 | 6      | 6   | 6.2 | 210 |
| 215 | 9.1    | 9.5  | 9.9  | 8.2    | 8.3  | 8.5  | 7.1                 | 7.1  | 7.2  | 5.8    | 5.9  | 6   | 5.8    | 5.9 | 6   | 215 |
| 220 | 8.6    | 9.1  | 9.4  | 7.9    | 8    | 8.2  | 6.9                 | 6.9  | 7.1  | 5.6    | 5.7  | 5.9 | 5.6    | 5.7 | 5.8 | 220 |
| 225 | 7.9    | 8.7  | 8.9  | 7.6    | 7.7  | 8    | 6.7                 | 6.8  | 6.9  | 5.5    | 5.5  | 5.7 | 5.3    | 5.5 | 5.7 | 225 |
| 230 | 7.3    | 8.1  | 8.4  | 7.3    | 7.5  | 7.7  | 6.5                 | 6.6  | 6.8  | 5.3    | 5.4  | 5.5 | 5      | 5.3 | 5.5 | 230 |
| 235 | 7      | 7.5  | 7.5  | 6.9    | 7.2  | 7.4  | 6.3                 | 6.4  | 6.6  | 5.1    | 5.2  | 5.4 | 4.7    | 5.2 | 5.3 | 235 |
| 240 | 6.8    | 7    | 6.1  | 6.5    | 6.9  | 7.1  | 6.1                 | 6.3  | 6.4  | 5      | 5    | 5.2 | 4.5    | 5   | 5.1 | 240 |
| 245 | 6.6    | 6.7  | 5    | 6.1    | 6.6  | 6.8  | 5.9                 | 6.1  | 6.2  | 4.8    | 4.9  | 5   | 4.2    | 4.7 | 4.8 | 245 |
| 250 | 6.4    | 6.5  |      | 5.7    | 6.2  | 6.3  | 5.7                 | 5.9  | 6.1  | 4.6    | 4.7  | 4.9 | 3.9    | 4.4 | 4.5 | 250 |
| 255 | 5.7    | 6.2  |      | 5.5    | 5.7  | 5.7  | 5.4                 | 5.7  | 5.9  | 4.4    | 4.6  | 4.7 | 3.6    | 4.1 | 4.2 | 255 |
| 260 | 4.9    | 5.4  |      | 5.4    | 5.4  |      | 4.9                 | 5.4  | 5.6  | 4.2    | 4.4  | 4.5 | 3.3    | 3.7 | 3.9 | 260 |
| 265 |        | 3.4  |      | 5.2    | 5.3  |      | 4.4                 | 5.1  | 5.3  | 4      | 4.2  | 4.4 | 3      | 3.4 | 3.5 | 265 |
| 270 |        |      |      | 4.7    | 5.1  |      | 3.9                 | 4.5  | 4.6  | 3.7    | 4    | 4.1 | 2.7    | 3.1 | 3.2 | 270 |
| 275 |        |      |      | 2.8    | 4.5  |      | 3.3                 | 3.9  |      | 3.3    | 3.8  | 3.9 | 2.4    | 2.8 | 2.9 | 275 |
| 280 |        |      |      |        |      |      | 2.8                 | 3.4  |      | 2.5    | 3.4  | 3.5 |        | 2.5 | 2.5 | 280 |
| 285 |        |      |      |        |      |      |                     | 2.8  |      |        | 2.9  | 2.9 |        |     |     | 285 |

t\_240\_002\_56301\_00\_000

# Lifting heights

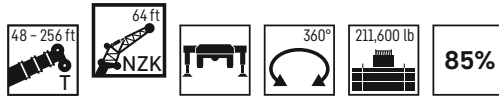
## Hauteurs de levage

**TNZK**



# Lifting capacities

## Forces de levage



|     | 48 ft |      |      | 144 ft |      |      | 160 ft<br>NZK 64 ft |      |      | 176 ft |      |      | 192 ft |      |      |     |
|-----|-------|------|------|--------|------|------|---------------------|------|------|--------|------|------|--------|------|------|-----|
|     | 0°    | 20°  | 40°  | 0°     | 20°  | 40°  | 0°                  | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |     |
| 12  | 31.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 12  |
| 13  | 31.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 13  |
| 14  | 31.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 14  |
| 15  | 31.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 15  |
| 16  | 31.2  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 16  |
| 17  | 31    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 17  |
| 18  | 30.7  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 18  |
| 19  | 30.5  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 19  |
| 20  | 30.2  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 20  |
| 22  | 29.6  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 22  |
| 24  | 29    |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 24  |
| 26  | 28.4  |      |      |        |      |      |                     |      |      |        |      |      |        |      |      | 26  |
| 28  | 27.7  |      |      | 31.4   |      |      |                     |      |      |        |      |      |        |      |      | 28  |
| 30  | 27.1  |      |      | 31.4   |      |      | 27                  |      |      |        |      |      |        |      |      | 30  |
| 32  | 26.4  | 22.9 |      | 31.4   |      |      | 27                  |      |      |        |      |      |        |      |      | 32  |
| 34  | 25.8  | 22.3 |      | 31.3   |      |      | 27                  |      |      | 24.9   |      |      |        |      |      | 34  |
| 36  | 25.2  | 21.6 |      | 31.1   |      |      | 27                  |      |      | 24.9   |      |      |        |      |      | 36  |
| 38  | 24.6  | 21   |      | 30.9   |      |      | 27                  |      |      | 24.9   |      |      | 22.1   |      |      | 38  |
| 40  | 24    | 20.4 |      | 30.6   |      |      | 27                  |      |      | 25     |      |      | 22.1   |      |      | 40  |
| 45  | 22.6  | 19.1 |      | 29.8   |      |      | 27                  |      |      | 25     |      |      | 22.1   |      |      | 45  |
| 50  | 21.2  | 17.9 | 15.1 | 29     | 22.7 |      | 26.9                |      |      | 25     |      |      | 22.2   |      |      | 50  |
| 55  | 19.7  | 16.9 | 14.3 | 28.1   | 21.8 |      | 26.7                | 22.3 |      | 24.7   |      |      | 22.1   |      |      | 55  |
| 60  | 18.2  | 16   | 13.7 | 27.3   | 21   |      | 26.1                | 21.7 |      | 24.3   | 20.9 |      | 21.9   |      |      | 60  |
| 65  | 16.9  | 15.2 | 13.1 | 26.4   | 20.3 | 15.4 | 25.5                | 21.2 |      | 23.9   | 20.4 |      | 21.6   | 19.3 |      | 65  |
| 70  | 15.6  | 14.5 | 12.6 | 25.6   | 19.6 | 15   | 25                  | 20.6 | 15.9 | 23.4   | 19.9 |      | 21.3   | 18.9 |      | 70  |
| 75  | 14.5  | 13.8 | 12.2 | 24.8   | 18.9 | 14.6 | 24.3                | 20.1 | 15.7 | 23     | 19.5 | 15.5 | 21     | 18.6 |      | 75  |
| 80  | 13.6  | 13.2 | 11.9 | 24     | 18.3 | 14.3 | 23.7                | 19.6 | 15.4 | 22.5   | 19.1 | 15.2 | 20.7   | 18.2 | 14.9 | 80  |
| 85  | 12.7  | 12.7 | 11.7 | 23.2   | 17.8 | 14   | 23.1                | 19.1 | 15.1 | 22.1   | 18.7 | 14.9 | 20.4   | 17.9 | 14.6 | 85  |
| 90  | 11.9  | 12.2 | 11.6 | 22.4   | 17.2 | 13.7 | 22.5                | 18.6 | 14.8 | 21.6   | 18.2 | 14.7 | 20     | 17.5 | 14.4 | 90  |
| 95  | 11.3  | 11.8 | 11.6 | 21.7   | 16.7 | 13.4 | 21.9                | 18.1 | 14.5 | 21.1   | 17.8 | 14.4 | 19.7   | 17.2 | 14.2 | 95  |
| 100 | 10.7  | 11.6 | 5.1  | 20.9   | 16.2 | 13.1 | 21.4                | 17.6 | 14.3 | 20.7   | 17.4 | 14.2 | 19.4   | 16.8 | 14   | 100 |
| 105 | 10.3  |      |      | 20.1   | 15.8 | 12.9 | 20.8                | 17.1 | 14.1 | 20.2   | 17   | 14   | 19.1   | 16.5 | 13.8 | 105 |
| 110 |       |      |      | 19.3   | 15.4 | 12.7 | 20.3                | 16.7 | 13.9 | 19.8   | 16.6 | 13.8 | 18.8   | 16.2 | 13.6 | 110 |
| 115 |       |      |      | 18.5   | 15   | 12.5 | 19.8                | 16.3 | 13.7 | 19.4   | 16.2 | 13.6 | 18.4   | 15.9 | 13.4 | 115 |
| 120 |       |      |      | 17.7   | 14.7 | 12.3 | 19.3                | 15.9 | 13.5 | 18.9   | 15.9 | 13.4 | 18.1   | 15.5 | 13.2 | 120 |
| 125 |       |      |      | 17     | 14.3 | 12.1 | 18.8                | 15.6 | 13.3 | 18.5   | 15.6 | 13.3 | 17.8   | 15.2 | 13.1 | 125 |
| 130 |       |      |      | 16.3   | 14   | 12   | 18.3                | 15.3 | 13.2 | 18.1   | 15.2 | 13.1 | 17.5   | 15   | 13   | 130 |
| 135 |       |      |      | 15.6   | 13.7 | 11.9 | 17.8                | 14.9 | 13   | 17.7   | 15   | 13   | 17.2   | 14.7 | 12.8 | 135 |
| 140 |       |      |      | 15     | 13.4 | 11.8 | 17.3                | 14.6 | 12.9 | 17.3   | 14.7 | 12.9 | 16.8   | 14.4 | 12.8 | 140 |
| 145 |       |      |      | 14.5   | 13.1 | 11.7 | 16.9                | 14.3 | 12.8 | 16.9   | 14.4 | 12.8 | 16.5   | 14.2 | 12.7 | 145 |
| 150 |       |      |      | 14     | 12.9 | 11.7 | 16.4                | 14   | 12.8 | 16.5   | 14.1 | 12.7 | 16.2   | 14   | 12.6 | 150 |
| 155 |       |      |      | 13.5   | 12.6 | 11.6 | 15.9                | 13.8 | 12.7 | 16.1   | 13.9 | 12.7 | 15.8   | 13.7 | 12.5 | 155 |
| 160 |       |      |      | 13     | 12.3 | 11.6 | 15.4                | 13.5 | 12.6 | 15.7   | 13.6 | 12.6 | 15.5   | 13.5 | 12.5 | 160 |
| 165 |       |      |      | 12.5   | 12.1 | 11.6 | 14.9                | 13.3 | 12.6 | 15.3   | 13.3 | 12.6 | 15.1   | 13.3 | 12.4 | 165 |
| 170 |       |      |      | 12.1   | 12   | 11.6 | 14.4                | 13   | 12.6 | 14.9   | 13.1 | 12.5 | 14.7   | 13.1 | 12.4 | 170 |
| 175 |       |      |      | 11.8   | 11.8 | 8.6  | 13.9                | 12.8 | 12.6 | 14.5   | 12.9 | 12.5 | 14.2   | 12.9 | 12.3 | 175 |
| 180 |       |      |      | 11.4   | 11.7 | 6.3  | 13.5                | 12.6 | 12.6 | 14.1   | 12.7 | 12.5 | 13.8   | 12.7 | 12.3 | 180 |
| 185 |       |      |      | 11.1   | 11.6 |      | 13.1                | 12.5 | 10.6 | 13.7   | 12.5 | 12.4 | 13.3   | 12.5 | 12.3 | 185 |
| 190 |       |      |      | 10.8   | 11.6 |      | 12.7                | 12.3 | 7.6  | 13.3   | 12.4 | 12.4 | 12.7   | 12.2 | 12.3 | 190 |
| 195 |       |      |      | 10.5   | 11.1 |      | 12.3                | 12.3 | 5.8  | 12.8   | 12.3 | 11.8 | 12.2   | 12   | 12.3 | 195 |
| 200 |       |      |      |        |      |      | 12                  | 12.2 |      | 12.4   | 12.2 | 9.1  | 11.3   | 11.8 | 12   | 200 |
| 205 |       |      |      |        |      |      | 11.5                | 12.2 |      | 11.9   | 11.9 | 7    | 10.5   | 11.4 | 11.6 | 205 |
| 210 |       |      |      |        |      |      | 8.2                 | 10.9 |      | 11.2   | 11.5 | 5.5  | 9.7    | 10.6 | 10.6 | 210 |
| 215 |       |      |      |        |      |      |                     | 3.8  |      | 10.5   | 11   |      | 9.4    | 9.7  | 8.2  | 215 |
| 220 |       |      |      |        |      |      |                     |      |      | 9.3    | 10.2 |      | 9      | 9.2  | 6.5  | 220 |
| 225 |       |      |      |        |      |      |                     |      |      | 6.3    | 8.4  |      | 8.7    | 8.8  | 5.2  | 225 |
| 230 |       |      |      |        |      |      |                     |      |      |        | 3.4  |      | 8.3    | 8.5  |      | 230 |
| 235 |       |      |      |        |      |      |                     |      |      |        |      |      | 7.4    | 8.1  |      | 235 |
| 240 |       |      |      |        |      |      |                     |      |      |        |      |      | 5.4    | 6.8  |      | 240 |
| 245 |       |      |      |        |      |      |                     |      |      |        |      |      | 4.1    | 5.4  |      | 245 |

t\_240\_002\_56201\_00\_000

# Lifting capacities

## Forces de levage

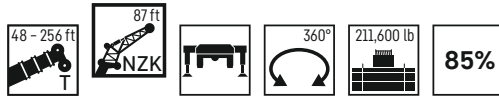


|  | 208 ft |      |      | 224 ft |      |      | 240 ft    |      |      | 253 ft |      |      | 256 ft |      |      |  |
|-----------------------------------------------------------------------------------|--------|------|------|--------|------|------|-----------|------|------|--------|------|------|--------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   |        |      |      |        |      |      | NZK 64 ft |      |      |        |      |      |        |      |      |                                                                                     |
|                                                                                   | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  | 0°        | 20°  | 40°  | 0°     | 20°  | 40°  | 0°     | 20°  | 40°  |                                                                                     |
| 45                                                                                | 19.2   |      |      |        |      |      |           |      |      |        |      |      |        |      |      | 45                                                                                  |
| 50                                                                                | 19.2   |      |      | 16.4   |      |      |           |      |      |        |      |      |        |      |      | 50                                                                                  |
| 55                                                                                | 19.3   |      |      | 16.4   |      |      | 13.8      |      |      |        |      |      |        |      |      | 55                                                                                  |
| 60                                                                                | 19.2   |      |      | 16.4   |      |      | 13.9      |      |      | 11.9   |      |      | 11.6   |      |      | 60                                                                                  |
| 65                                                                                | 19.1   |      |      | 16.4   |      |      | 13.9      |      |      | 11.9   |      |      | 11.6   |      |      | 65                                                                                  |
| 70                                                                                | 18.9   | 17.5 |      | 16.4   |      |      | 13.9      |      |      | 12     |      |      | 11.7   |      |      | 70                                                                                  |
| 75                                                                                | 18.7   | 17.2 |      | 16.3   | 15.5 |      | 13.9      |      |      | 12     |      |      | 11.7   |      |      | 75                                                                                  |
| 80                                                                                | 18.5   | 17   |      | 16.2   | 15.4 |      | 13.8      |      |      | 11.8   |      |      | 11.6   |      |      | 80                                                                                  |
| 85                                                                                | 18.3   | 16.7 | 14.2 | 16     | 15.2 |      | 13.7      | 13.2 |      | 11.7   |      |      | 11.5   |      |      | 85                                                                                  |
| 90                                                                                | 18.1   | 16.5 | 14   | 15.9   | 15.1 |      | 13.6      | 13.2 |      | 11.6   | 11.2 |      | 11.4   | 10.9 |      | 90                                                                                  |
| 95                                                                                | 17.9   | 16.2 | 13.8 | 15.7   | 14.9 | 13.1 | 13.5      | 13.1 |      | 11.5   | 11.2 |      | 11.3   | 10.9 |      | 95                                                                                  |
| 100                                                                               | 17.7   | 15.9 | 13.6 | 15.6   | 14.8 | 13   | 13.3      | 12.9 | 12.1 | 11.4   | 11.1 |      | 11.2   | 10.8 |      | 100                                                                                 |
| 105                                                                               | 17.4   | 15.7 | 13.4 | 15.4   | 14.6 | 12.9 | 13.2      | 12.6 | 12   | 11.2   | 10.9 | 10.5 | 11.1   | 10.7 | 10.4 | 105                                                                                 |
| 110                                                                               | 17.2   | 15.4 | 13.2 | 15.2   | 14.4 | 12.7 | 13        | 12.2 | 11.7 | 11.1   | 10.6 | 10.2 | 10.9   | 10.5 | 10.2 | 110                                                                                 |
| 115                                                                               | 17     | 15.2 | 13.1 | 15     | 14.2 | 12.6 | 12.8      | 11.9 | 11.4 | 10.9   | 10.3 | 10   | 10.7   | 10.2 | 9.9  | 115                                                                                 |
| 120                                                                               | 16.8   | 14.9 | 13   | 14.8   | 14   | 12.5 | 12.5      | 11.6 | 11.2 | 10.7   | 10.1 | 9.7  | 10.6   | 10   | 9.7  | 120                                                                                 |
| 125                                                                               | 16.6   | 14.7 | 12.8 | 14.6   | 13.8 | 12.4 | 12.2      | 11.3 | 10.9 | 10.5   | 9.8  | 9.5  | 10.4   | 9.7  | 9.4  | 125                                                                                 |
| 130                                                                               | 16.3   | 14.4 | 12.7 | 14.3   | 13.6 | 12.3 | 11.8      | 11   | 10.6 | 10.2   | 9.6  | 9.3  | 10.1   | 9.5  | 9.2  | 130                                                                                 |
| 135                                                                               | 16.1   | 14.2 | 12.6 | 14     | 13.4 | 12.2 | 11.5      | 10.7 | 10.4 | 9.9    | 9.3  | 9    | 9.8    | 9.2  | 9    | 135                                                                                 |
| 140                                                                               | 15.9   | 14   | 12.5 | 13.7   | 13.2 | 12.2 | 11.2      | 10.5 | 10.1 | 9.6    | 9.1  | 8.8  | 9.5    | 9    | 8.8  | 140                                                                                 |
| 145                                                                               | 15.6   | 13.8 | 12.4 | 13.2   | 12.9 | 12.1 | 10.9      | 10.2 | 9.9  | 9.3    | 8.9  | 8.6  | 9.2    | 8.8  | 8.6  | 145                                                                                 |
| 150                                                                               | 15.2   | 13.6 | 12.4 | 12.8   | 12.6 | 12   | 10.6      | 9.9  | 9.7  | 9      | 8.6  | 8.4  | 8.9    | 8.6  | 8.4  | 150                                                                                 |
| 155                                                                               | 14.8   | 13.4 | 12.3 | 12.4   | 12.2 | 11.9 | 10.4      | 9.7  | 9.5  | 8.7    | 8.4  | 8.2  | 8.6    | 8.4  | 8.2  | 155                                                                                 |
| 160                                                                               | 14.3   | 13.1 | 12.2 | 12     | 11.8 | 11.7 | 10.1      | 9.5  | 9.2  | 8.4    | 8.2  | 8    | 8.3    | 8.2  | 8    | 160                                                                                 |
| 165                                                                               | 13.9   | 12.9 | 12.2 | 11.6   | 11.5 | 11.5 | 9.8       | 9.2  | 9    | 8.1    | 8    | 7.8  | 8.1    | 7.9  | 7.8  | 165                                                                                 |
| 170                                                                               | 13.4   | 12.7 | 12.1 | 11.2   | 11.1 | 11.2 | 9.5       | 9    | 8.9  | 7.8    | 7.8  | 7.7  | 7.8    | 7.7  | 7.7  | 170                                                                                 |
| 175                                                                               | 13     | 12.5 | 12.1 | 10.9   | 10.8 | 10.9 | 9.2       | 8.8  | 8.7  | 7.5    | 7.5  | 7.5  | 7.5    | 7.5  | 7.5  | 175                                                                                 |
| 180                                                                               | 12.5   | 12.2 | 12   | 10.5   | 10.5 | 10.6 | 9         | 8.6  | 8.5  | 7.2    | 7.3  | 7.3  | 7.2    | 7.3  | 7.3  | 180                                                                                 |
| 185                                                                               | 12     | 11.9 | 11.9 | 10.1   | 10.1 | 10.3 | 8.7       | 8.4  | 8.3  | 7      | 7.1  | 7.2  | 7      | 7.1  | 7.1  | 185                                                                                 |
| 190                                                                               | 11.4   | 11.6 | 11.7 | 9.8    | 9.8  | 10   | 8.4       | 8.2  | 8.2  | 6.8    | 6.9  | 7    | 6.8    | 6.9  | 7    | 190                                                                                 |
| 195                                                                               | 10.9   | 11.3 | 11.6 | 9.5    | 9.5  | 9.7  | 8.1       | 8    | 8    | 6.6    | 6.7  | 6.8  | 6.6    | 6.7  | 6.8  | 195                                                                                 |
| 200                                                                               | 10.4   | 10.9 | 11.1 | 9.2    | 9.2  | 9.4  | 7.8       | 7.9  | 7.9  | 6.4    | 6.5  | 6.6  | 6.4    | 6.5  | 6.6  | 200                                                                                 |
| 205                                                                               | 10     | 10.4 | 10.7 | 8.9    | 8.9  | 9.1  | 7.6       | 7.6  | 7.7  | 6.2    | 6.3  | 6.4  | 6.2    | 6.3  | 6.4  | 205                                                                                 |
| 210                                                                               | 9.5    | 9.9  | 10.2 | 8.6    | 8.6  | 8.8  | 7.4       | 7.4  | 7.5  | 6      | 6.1  | 6.2  | 6      | 6.1  | 6.2  | 210                                                                                 |
| 215                                                                               | 8.9    | 9.5  | 9.7  | 8.3    | 8.3  | 8.6  | 7.2       | 7.2  | 7.3  | 5.8    | 5.9  | 6    | 5.8    | 5.9  | 6    | 215                                                                                 |
| 220                                                                               | 8.3    | 9    | 9.2  | 7.9    | 8    | 8.3  | 7         | 7    | 7.1  | 5.7    | 5.7  | 5.9  | 5.5    | 5.7  | 5.9  | 220                                                                                 |
| 225                                                                               | 7.6    | 8.4  | 8.6  | 7.6    | 7.7  | 8    | 6.7       | 6.8  | 6.9  | 5.5    | 5.5  | 5.7  | 5.2    | 5.5  | 5.7  | 225                                                                                 |
| 230                                                                               | 7.3    | 7.7  | 7.5  | 7.2    | 7.4  | 7.7  | 6.5       | 6.6  | 6.8  | 5.3    | 5.4  | 5.5  | 4.9    | 5.3  | 5.5  | 230                                                                                 |
| 235                                                                               | 7      | 7.1  | 6.1  | 6.8    | 7.1  | 7.3  | 6.3       | 6.4  | 6.6  | 5.2    | 5.2  | 5.3  | 4.6    | 5.1  | 5.3  | 235                                                                                 |
| 240                                                                               | 6.8    | 6.9  | 5    | 6.3    | 6.8  | 7    | 6.1       | 6.3  | 6.4  | 5      | 5    | 5.2  | 4.3    | 4.8  | 5    | 240                                                                                 |
| 245                                                                               | 6.6    | 6.6  |      | 5.9    | 6.3  | 6.5  | 5.8       | 6.1  | 6.2  | 4.8    | 4.9  | 5    | 4.1    | 4.5  | 4.7  | 245                                                                                 |
| 250                                                                               | 6      | 6.4  |      | 5.7    | 5.8  | 5.8  | 5.6       | 5.9  | 6.1  | 4.6    | 4.7  | 4.9  | 3.8    | 4.2  | 4.4  | 250                                                                                 |
| 255                                                                               | 5      | 5.6  |      | 5.5    | 5.6  |      | 5.1       | 5.6  | 5.8  | 4.4    | 4.6  | 4.7  | 3.5    | 3.8  | 4    | 255                                                                                 |
| 260                                                                               |        | 3.6  |      | 5.4    | 5.4  |      | 4.6       | 5.3  | 5.4  | 4.1    | 4.4  | 4.5  | 3.2    | 3.5  | 3.7  | 260                                                                                 |
| 265                                                                               |        |      |      | 4.9    | 5.3  |      | 4         | 4.7  | 4.8  | 3.8    | 4.1  | 4.3  | 2.9    | 3.2  | 3.3  | 265                                                                                 |
| 270                                                                               |        |      |      | 3      | 4.6  |      | 3.5       | 4.1  |      | 3.3    | 3.9  | 4    | 2.6    | 2.9  | 3    | 270                                                                                 |
| 275                                                                               |        |      |      |        |      |      | 3         | 3.5  |      |        | 3.5  | 3.6  |        | 2.6  | 2.6  | 275                                                                                 |
| 280                                                                               |        |      |      |        |      |      |           | 2.9  |      |        | 2.5  | 2.6  |        |      |      | 280                                                                                 |

t\_240\_002\_56201\_00\_000

# Lifting capacities

## Forces de levage



|     | 48 ft |      |     | 144 ft |      |     | 160 ft<br>NZK 87 ft |      |     | 176 ft |      |     | 192 ft |      |     |     |
|-----|-------|------|-----|--------|------|-----|---------------------|------|-----|--------|------|-----|--------|------|-----|-----|
|     | 0°    | 20°  | 40° | 0°     | 20°  | 40° | 0°                  | 20°  | 40° | 0°     | 20°  | 40° | 0°     | 20°  | 40° |     |
| 14  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 14  |
| 15  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 15  |
| 16  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 16  |
| 17  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 17  |
| 18  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 18  |
| 19  | 19.5  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 19  |
| 20  | 19.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 20  |
| 22  | 19.3  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 22  |
| 24  | 19.1  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 24  |
| 26  | 18.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 26  |
| 28  | 18.5  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 28  |
| 30  | 18.2  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 30  |
| 32  | 17.8  |      |     | 19.4   |      |     |                     |      |     |        |      |     |        |      |     | 32  |
| 34  | 17.5  |      |     | 19.4   |      |     | 18                  |      |     |        |      |     |        |      |     | 34  |
| 36  | 17.1  |      |     | 19.5   |      |     | 18.1                |      |     |        |      |     |        |      |     | 36  |
| 38  | 16.8  |      |     | 19.5   |      |     | 18.1                |      |     | 16.5   |      |     |        |      |     | 38  |
| 40  | 16.4  |      |     | 19.4   |      |     | 18.1                |      |     | 16.6   |      |     |        |      |     | 40  |
| 45  | 15.6  | 13.5 |     | 19.2   |      |     | 18.1                |      |     | 16.6   |      |     | 14.9   |      |     | 45  |
| 50  | 14.8  | 12.7 |     | 18.8   |      |     | 17.8                |      |     | 16.5   |      |     | 15     |      |     | 50  |
| 55  | 14    | 11.9 |     | 18.3   |      |     | 17.5                |      |     | 16.4   |      |     | 14.9   |      |     | 55  |
| 60  | 13.1  | 11.2 |     | 17.8   |      |     | 17                  |      |     | 16.1   |      |     | 14.7   |      |     | 60  |
| 65  | 12.4  | 10.6 | 8.9 | 17.2   | 13.4 |     | 16.6                | 13.1 |     | 15.7   |      |     | 14.5   |      |     | 65  |
| 70  | 11.6  | 10   | 8.5 | 16.7   | 12.9 |     | 16.2                | 12.7 |     | 15.4   | 12.4 |     | 14.3   |      |     | 70  |
| 75  | 10.9  | 9.5  | 8.1 | 16.2   | 12.4 |     | 15.8                | 12.3 |     | 15     | 12   |     | 14     | 11.6 |     | 75  |
| 80  | 10.3  | 9    | 7.8 | 15.7   | 12   |     | 15.3                | 11.9 |     | 14.7   | 11.7 |     | 13.7   | 11.3 |     | 80  |
| 85  | 9.7   | 8.5  | 7.5 | 15.2   | 11.5 | 8.7 | 14.9                | 11.5 |     | 14.3   | 11.3 |     | 13.4   | 11   |     | 85  |
| 90  | 9.1   | 8.2  | 7.3 | 14.8   | 11.1 | 8.5 | 14.5                | 11.1 | 8.5 | 14     | 11   | 8.4 | 13.2   | 10.7 |     | 90  |
| 95  | 8.6   | 7.8  | 7.1 | 14.3   | 10.8 | 8.3 | 14.1                | 10.8 | 8.3 | 13.6   | 10.7 | 8.2 | 12.9   | 10.4 | 8   | 95  |
| 100 | 8.2   | 7.5  | 6.9 | 13.8   | 10.5 | 8.1 | 13.7                | 10.5 | 8.1 | 13.3   | 10.4 | 8   | 12.6   | 10.1 | 7.9 | 100 |
| 105 | 7.8   | 7.3  | 6.8 | 13.3   | 10.1 | 8   | 13.3                | 10.2 | 7.9 | 13     | 10.1 | 7.9 | 12.3   | 9.8  | 7.8 | 105 |
| 110 | 7.3   | 7    | 6.8 | 12.9   | 9.8  | 7.8 | 12.9                | 9.9  | 7.8 | 12.6   | 9.8  | 7.7 | 12.1   | 9.6  | 7.6 | 110 |
| 115 | 7     | 6.9  | 6.8 | 12.4   | 9.5  | 7.6 | 12.5                | 9.6  | 7.6 | 12.3   | 9.6  | 7.6 | 11.8   | 9.3  | 7.5 | 115 |
| 120 | 6.7   | 6.8  | 6.8 | 12     | 9.3  | 7.5 | 12.1                | 9.3  | 7.5 | 12     | 9.3  | 7.5 | 11.5   | 9.1  | 7.4 | 120 |
| 125 | 6.5   | 6.8  |     | 11.5   | 9    | 7.4 | 11.7                | 9.1  | 7.4 | 11.6   | 9    | 7.3 | 11.3   | 8.9  | 7.3 | 125 |
| 130 |       |      |     | 11.1   | 8.8  | 7.3 | 11.4                | 8.8  | 7.3 | 11.3   | 8.8  | 7.2 | 11     | 8.7  | 7.2 | 130 |
| 135 |       |      |     | 10.7   | 8.5  | 7.2 | 11                  | 8.6  | 7.2 | 11     | 8.6  | 7.1 | 10.7   | 8.5  | 7.1 | 135 |
| 140 |       |      |     | 10.3   | 8.3  | 7.1 | 10.6                | 8.4  | 7.1 | 10.7   | 8.4  | 7   | 10.4   | 8.3  | 7   | 140 |
| 145 |       |      |     | 10     | 8.1  | 7   | 10.2                | 8.2  | 7   | 10.4   | 8.2  | 7   | 10.2   | 8.2  | 6.9 | 145 |
| 150 |       |      |     | 9.6    | 7.9  | 6.9 | 9.9                 | 8    | 6.9 | 10.1   | 8.1  | 6.9 | 9.9    | 8    | 6.8 | 150 |
| 155 |       |      |     | 9.3    | 7.8  | 6.9 | 9.6                 | 7.9  | 6.9 | 9.8    | 7.9  | 6.8 | 9.7    | 7.8  | 6.8 | 155 |
| 160 |       |      |     | 9      | 7.6  | 6.8 | 9.3                 | 7.7  | 6.8 | 9.5    | 7.7  | 6.8 | 9.4    | 7.7  | 6.7 | 160 |
| 165 |       |      |     | 8.8    | 7.4  | 6.8 | 9                   | 7.6  | 6.8 | 9.2    | 7.6  | 6.7 | 9.2    | 7.5  | 6.7 | 165 |
| 170 |       |      |     | 8.5    | 7.3  | 6.8 | 8.8                 | 7.4  | 6.8 | 9      | 7.4  | 6.7 | 8.9    | 7.4  | 6.6 | 170 |
| 175 |       |      |     | 8.2    | 7.2  | 6.8 | 8.5                 | 7.3  | 6.7 | 8.7    | 7.3  | 6.7 | 8.7    | 7.3  | 6.6 | 175 |
| 180 |       |      |     | 7.9    | 7.1  | 6.8 | 8.3                 | 7.2  | 6.7 | 8.5    | 7.2  | 6.6 | 8.5    | 7.2  | 6.6 | 180 |
| 185 |       |      |     | 7.7    | 7    | 6.8 | 8.1                 | 7.1  | 6.7 | 8.2    | 7.1  | 6.6 | 8.3    | 7.1  | 6.6 | 185 |
| 190 |       |      |     | 7.5    | 6.9  | 6.8 | 7.9                 | 7    | 6.7 | 8      | 7    | 6.6 | 8.1    | 7    | 6.5 | 190 |
| 195 |       |      |     | 7.2    | 6.9  | 6.8 | 7.6                 | 6.9  | 6.7 | 7.9    | 6.9  | 6.6 | 7.9    | 6.9  | 6.5 | 195 |
| 200 |       |      |     | 7      | 6.8  | 6.8 | 7.4                 | 6.8  | 6.7 | 7.7    | 6.9  | 6.6 | 7.7    | 6.8  | 6.5 | 200 |
| 205 |       |      |     | 6.9    | 6.8  | 5.4 | 7.3                 | 6.8  | 6.7 | 7.5    | 6.8  | 6.6 | 7.6    | 6.8  | 6.5 | 205 |
| 210 |       |      |     | 6.7    | 6.8  |     | 7.1                 | 6.8  | 6.7 | 7.4    | 6.7  | 6.6 | 7.5    | 6.7  | 6.5 | 210 |
| 215 |       |      |     | 6.6    | 6.8  |     | 6.9                 | 6.8  | 6.5 | 7.2    | 6.7  | 6.6 | 7.3    | 6.7  | 6.5 | 215 |
| 220 |       |      |     | 6.1    | 6.8  |     | 6.8                 | 6.8  | 5.1 | 7.1    | 6.7  | 6.6 | 7.2    | 6.6  | 6.5 | 220 |
| 225 |       |      |     |        |      |     | 6.6                 | 6.8  |     | 6.9    | 6.7  | 6.6 | 7.1    | 6.6  | 6.5 | 225 |
| 230 |       |      |     |        |      |     | 6.5                 | 6.8  |     | 6.8    | 6.6  | 6.2 | 6.9    | 6.6  | 6.5 | 230 |
| 235 |       |      |     |        |      |     | 4.4                 | 6.6  |     | 6.6    | 6.6  |     | 6.8    | 6.6  | 6.5 | 235 |
| 240 |       |      |     |        |      |     |                     |      |     | 6.6    | 6.6  |     | 6.7    | 6.6  | 6.5 | 240 |
| 245 |       |      |     |        |      |     |                     |      |     | 5.7    | 6.6  |     | 6.6    | 6.6  | 5.9 | 245 |
| 250 |       |      |     |        |      |     |                     |      |     | 2.8    | 5.1  |     | 6.5    | 6.5  |     | 250 |
| 255 |       |      |     |        |      |     |                     |      |     |        |      |     | 6.2    | 6.4  |     | 255 |
| 260 |       |      |     |        |      |     |                     |      |     |        |      |     | 4.4    | 6.2  |     | 260 |
| 265 |       |      |     |        |      |     |                     |      |     |        |      |     | 3.9    | 4    |     | 265 |

t\_240\_002\_56401\_00\_000

# Lifting capacities

## Forces de levage



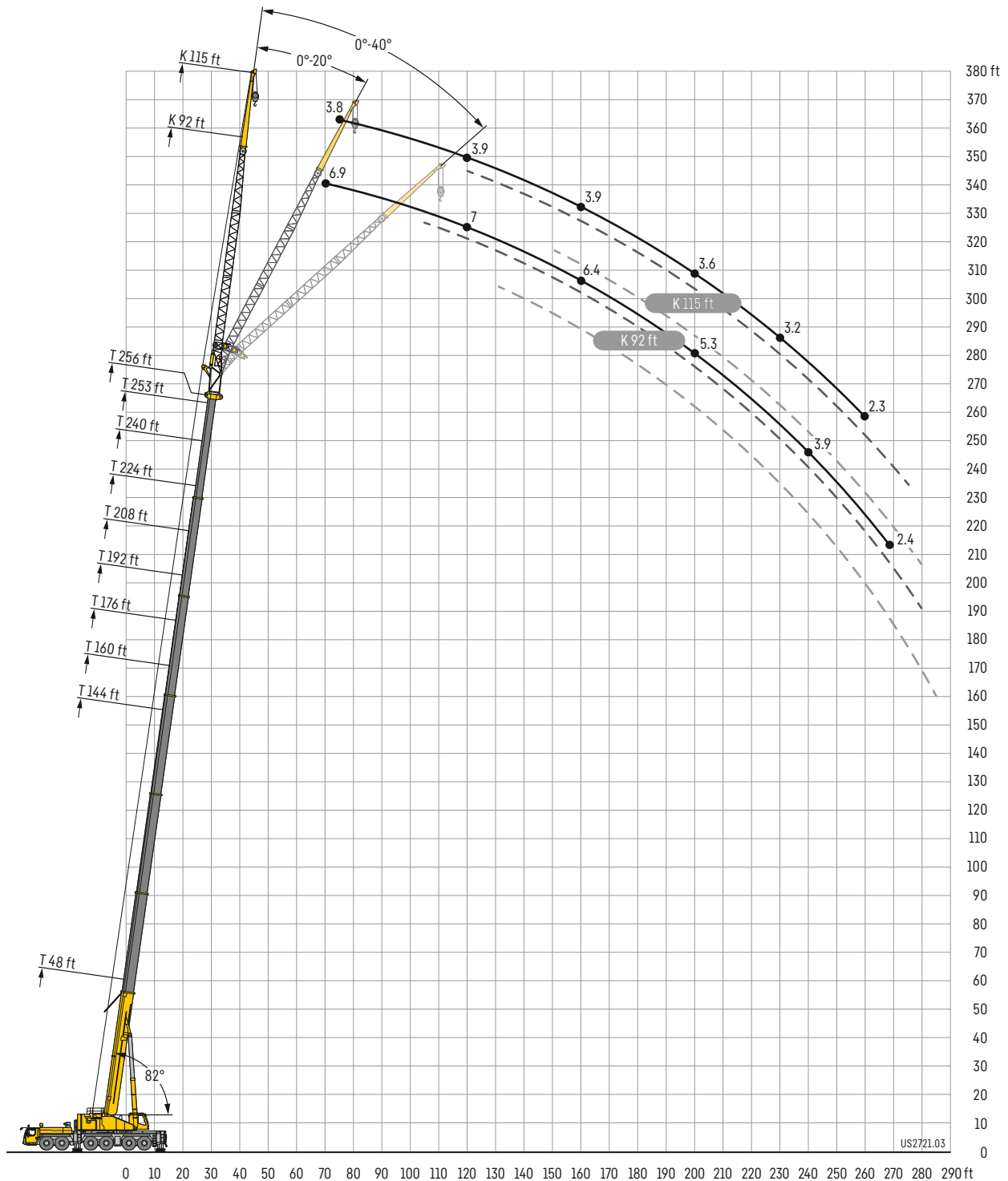
|  | 208 ft |      |     | 224 ft |     |     | 240 ft    |     |     | 253 ft |     |     | 256 ft |     |     |  |
|-----------------------------------------------------------------------------------|--------|------|-----|--------|-----|-----|-----------|-----|-----|--------|-----|-----|--------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   |        |      |     |        |     |     | NZK 87 ft |     |     |        |     |     |        |     |     |                                                                                     |
|                                                                                   | 0°     | 20°  | 40° | 0°     | 20° | 40° | 0°        | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° |                                                                                     |
| 50                                                                                | 13.1   |      |     |        |     |     |           |     |     |        |     |     |        |     |     | 50                                                                                  |
| 55                                                                                | 13.1   |      |     | 11.2   |     |     |           |     |     |        |     |     |        |     |     | 55                                                                                  |
| 60                                                                                | 13.1   |      |     | 11.3   |     |     | 9.4       |     |     |        |     |     |        |     |     | 60                                                                                  |
| 65                                                                                | 13     |      |     | 11.3   |     |     | 9.5       |     |     | 7.8    |     |     | 7.5    |     |     | 65                                                                                  |
| 70                                                                                | 12.9   |      |     | 11.2   |     |     | 9.5       |     |     | 8.1    |     |     | 7.8    |     |     | 70                                                                                  |
| 75                                                                                | 12.7   |      |     | 11.1   |     |     | 9.5       |     |     | 8.2    |     |     | 7.9    |     |     | 75                                                                                  |
| 80                                                                                | 12.5   | 10.6 |     | 11     |     |     | 9.5       |     |     | 8.2    |     |     | 7.9    |     |     | 80                                                                                  |
| 85                                                                                | 12.3   | 10.4 |     | 10.9   |     |     | 9.4       |     |     | 8.1    |     |     | 7.9    |     |     | 85                                                                                  |
| 90                                                                                | 12.1   | 10.1 |     | 10.8   | 9.4 |     | 9.3       |     |     | 8      |     |     | 7.8    |     |     | 90                                                                                  |
| 95                                                                                | 11.9   | 9.9  |     | 10.6   | 9.2 |     | 9.2       | 8.4 |     | 7.9    |     |     | 7.7    |     |     | 95                                                                                  |
| 100                                                                               | 11.7   | 9.7  |     | 10.5   | 9   |     | 9.1       | 8.3 |     | 7.8    | 7.4 |     | 7.7    |     |     | 100                                                                                 |
| 105                                                                               | 11.4   | 9.4  | 7.6 | 10.3   | 8.8 |     | 9         | 8.1 |     | 7.8    | 7.3 |     | 7.6    | 7.3 |     | 105                                                                                 |
| 110                                                                               | 11.2   | 9.2  | 7.4 | 10.2   | 8.7 | 7.1 | 8.9       | 8   |     | 7.7    | 7.3 |     | 7.6    | 7.3 |     | 110                                                                                 |
| 115                                                                               | 11     | 9    | 7.3 | 10     | 8.5 | 7.1 | 8.8       | 7.9 | 6.7 | 7.7    | 7.3 |     | 7.5    | 7.2 |     | 115                                                                                 |
| 120                                                                               | 10.8   | 8.8  | 7.2 | 9.9    | 8.4 | 7   | 8.7       | 7.7 | 6.7 | 7.6    | 7.2 |     | 7.5    | 7.1 |     | 120                                                                                 |
| 125                                                                               | 10.6   | 8.6  | 7.1 | 9.7    | 8.2 | 6.9 | 8.6       | 7.6 | 6.7 | 7.6    | 7.1 | 6.4 | 7.5    | 7   | 6.4 | 125                                                                                 |
| 130                                                                               | 10.4   | 8.5  | 7   | 9.6    | 8   | 6.8 | 8.5       | 7.5 | 6.6 | 7.6    | 7   | 6.4 | 7.4    | 6.9 | 6.3 | 130                                                                                 |
| 135                                                                               | 10.2   | 8.3  | 7   | 9.4    | 7.9 | 6.8 | 8.4       | 7.4 | 6.5 | 7.5    | 6.9 | 6.3 | 7.4    | 6.9 | 6.3 | 135                                                                                 |
| 140                                                                               | 10     | 8.1  | 6.9 | 9.3    | 7.8 | 6.7 | 8.3       | 7.3 | 6.5 | 7.4    | 6.8 | 6.3 | 7.2    | 6.8 | 6.2 | 140                                                                                 |
| 145                                                                               | 9.8    | 8    | 6.8 | 9.1    | 7.6 | 6.7 | 8.2       | 7.2 | 6.4 | 7.2    | 6.8 | 6.2 | 7.1    | 6.7 | 6.2 | 145                                                                                 |
| 150                                                                               | 9.5    | 7.8  | 6.7 | 9      | 7.5 | 6.6 | 8.1       | 7.1 | 6.4 | 7.1    | 6.7 | 6.2 | 7      | 6.6 | 6.2 | 150                                                                                 |
| 155                                                                               | 9.3    | 7.7  | 6.7 | 8.8    | 7.4 | 6.5 | 8         | 7   | 6.4 | 6.9    | 6.6 | 6.1 | 6.9    | 6.5 | 6.1 | 155                                                                                 |
| 160                                                                               | 9.1    | 7.5  | 6.6 | 8.6    | 7.3 | 6.5 | 7.8       | 6.9 | 6.3 | 6.8    | 6.4 | 6.1 | 6.7    | 6.4 | 6.1 | 160                                                                                 |
| 165                                                                               | 8.9    | 7.4  | 6.6 | 8.5    | 7.2 | 6.5 | 7.6       | 6.8 | 6.3 | 6.7    | 6.3 | 6   | 6.6    | 6.3 | 6   | 165                                                                                 |
| 170                                                                               | 8.7    | 7.3  | 6.5 | 8.3    | 7.1 | 6.4 | 7.4       | 6.7 | 6.2 | 6.5    | 6.2 | 6   | 6.4    | 6.1 | 5.9 | 170                                                                                 |
| 175                                                                               | 8.5    | 7.2  | 6.5 | 8.1    | 7   | 6.4 | 7.3       | 6.7 | 6.2 | 6.3    | 6   | 5.9 | 6.3    | 6   | 5.9 | 175                                                                                 |
| 180                                                                               | 8.3    | 7.1  | 6.5 | 8      | 6.9 | 6.4 | 7.1       | 6.6 | 6.2 | 6.1    | 5.9 | 5.8 | 6.1    | 5.9 | 5.8 | 180                                                                                 |
| 185                                                                               | 8.1    | 7    | 6.4 | 7.8    | 6.8 | 6.3 | 6.9       | 6.5 | 6.2 | 6      | 5.7 | 5.7 | 5.9    | 5.7 | 5.7 | 185                                                                                 |
| 190                                                                               | 8      | 6.9  | 6.4 | 7.7    | 6.7 | 6.3 | 6.8       | 6.4 | 6.2 | 5.8    | 5.6 | 5.6 | 5.7    | 5.6 | 5.5 | 190                                                                                 |
| 195                                                                               | 7.8    | 6.8  | 6.4 | 7.5    | 6.7 | 6.3 | 6.6       | 6.3 | 6.1 | 5.6    | 5.5 | 5.5 | 5.5    | 5.5 | 5.4 | 195                                                                                 |
| 200                                                                               | 7.7    | 6.7  | 6.4 | 7.4    | 6.6 | 6.3 | 6.5       | 6.2 | 6.1 | 5.4    | 5.4 | 5.4 | 5.3    | 5.4 | 5.3 | 200                                                                                 |
| 205                                                                               | 7.5    | 6.7  | 6.4 | 7.2    | 6.5 | 6.3 | 6.3       | 6   | 6   | 5.2    | 5.3 | 5.3 | 5.2    | 5.3 | 5.2 | 205                                                                                 |
| 210                                                                               | 7.4    | 6.6  | 6.4 | 7.1    | 6.5 | 6.3 | 6.2       | 5.9 | 5.9 | 5      | 5.1 | 5.2 | 5      | 5.1 | 5.2 | 210                                                                                 |
| 215                                                                               | 7.2    | 6.6  | 6.4 | 6.9    | 6.5 | 6.3 | 6.1       | 5.8 | 5.8 | 4.8    | 5   | 5.1 | 4.8    | 5   | 5.1 | 215                                                                                 |
| 220                                                                               | 7.1    | 6.5  | 6.4 | 6.8    | 6.4 | 6.3 | 5.9       | 5.7 | 5.7 | 4.6    | 4.8 | 5   | 4.6    | 4.8 | 4.9 | 220                                                                                 |
| 225                                                                               | 6.9    | 6.5  | 6.4 | 6.6    | 6.4 | 6.3 | 5.8       | 5.6 | 5.6 | 4.5    | 4.7 | 4.8 | 4.5    | 4.7 | 4.8 | 225                                                                                 |
| 230                                                                               | 6.8    | 6.5  | 6.4 | 6.5    | 6.3 | 6.3 | 5.6       | 5.5 | 5.6 | 4.3    | 4.5 | 4.7 | 4.3    | 4.5 | 4.7 | 230                                                                                 |
| 235                                                                               | 6.7    | 6.4  | 6.4 | 6.3    | 6.2 | 6.3 | 5.4       | 5.4 | 5.5 | 4.1    | 4.3 | 4.6 | 4.1    | 4.3 | 4.6 | 235                                                                                 |
| 240                                                                               | 6.4    | 6.4  | 6.4 | 6      | 6.1 | 6.3 | 5.3       | 5.3 | 5.4 | 3.9    | 4.2 | 4.4 | 3.8    | 4.1 | 4.4 | 240                                                                                 |
| 245                                                                               | 6      | 6.3  | 6.4 | 5.8    | 6   | 6.2 | 5.1       | 5.2 | 5.3 | 3.8    | 4   | 4.3 | 3.6    | 4   | 4.3 | 245                                                                                 |
| 250                                                                               | 5.6    | 6.1  | 6.4 | 5.5    | 5.8 | 6.1 | 4.9       | 5   | 5.2 | 3.6    | 3.9 | 4.1 | 3.3    | 3.8 | 4.1 | 250                                                                                 |
| 255                                                                               | 5.4    | 5.8  | 6   | 5.1    | 5.6 | 5.8 | 4.7       | 4.9 | 5.1 | 3.5    | 3.7 | 3.9 | 3      | 3.6 | 3.9 | 255                                                                                 |
| 260                                                                               | 5.2    | 5.4  | 5.5 | 4.6    | 5.4 | 5.5 | 4.5       | 4.8 | 4.9 | 3.3    | 3.6 | 3.8 | 2.8    | 3.3 | 3.7 | 260                                                                                 |
| 265                                                                               | 5.1    | 5.2  |     | 4.4    | 5   | 5.2 | 4.2       | 4.6 | 4.8 | 3.1    | 3.4 | 3.6 |        | 3.1 | 3.3 | 265                                                                                 |
| 270                                                                               | 4.9    | 5    |     | 4.2    | 4.4 | 4.6 | 3.9       | 4.5 | 4.6 |        | 3.2 | 3.4 |        | 2.8 | 3   | 270                                                                                 |
| 275                                                                               | 3.7    | 4.8  |     | 4.1    | 4.2 | 4.4 | 3.4       | 4.2 | 4.4 |        | 3   | 3.2 |        | 2.5 | 2.7 | 275                                                                                 |
| 280                                                                               |        | 3.6  |     | 4      | 4.1 |     | 2.8       | 3.8 | 4   |        | 2.8 | 3   |        |     | 2.3 | 280                                                                                 |
| 285                                                                               |        |      |     | 3.8    | 3.9 |     |           | 3.3 | 3.4 |        |     | 2.6 |        |     |     | 285                                                                                 |
| 290                                                                               |        |      |     | 2.3    | 3.8 |     |           | 2.4 | 2.5 |        |     |     |        |     |     | 290                                                                                 |

t\_240\_002\_56401\_00\_000

# Lifting heights

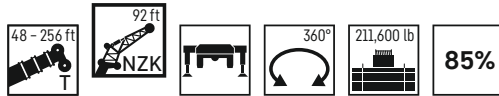
## Hauteurs de levage

TNZK



# Lifting capacities

## Forces de levage



|     | 48 ft |      |     | 144 ft |      |     | 160 ft<br>NZK 92 ft |      |     | 176 ft |      |     | 192 ft |      |     |     |
|-----|-------|------|-----|--------|------|-----|---------------------|------|-----|--------|------|-----|--------|------|-----|-----|
|     | 0°    | 20°  | 40° | 0°     | 20°  | 40° | 0°                  | 20°  | 40° | 0°     | 20°  | 40° | 0°     | 20°  | 40° |     |
| 15  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 15  |
| 16  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 16  |
| 17  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 17  |
| 18  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 18  |
| 19  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 19  |
| 20  | 16    |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 20  |
| 22  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 22  |
| 24  | 15.9  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 24  |
| 26  | 15.8  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 26  |
| 28  | 15.6  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 28  |
| 30  | 15.4  |      |     |        |      |     |                     |      |     |        |      |     |        |      |     | 30  |
| 32  | 15.2  |      |     | 15.4   |      |     |                     |      |     |        |      |     |        |      |     | 32  |
| 34  | 15    |      |     | 15.8   |      |     |                     |      |     |        |      |     |        |      |     | 34  |
| 36  | 14.8  |      |     | 15.9   |      |     | 14.9                |      |     |        |      |     |        |      |     | 36  |
| 38  | 14.5  |      |     | 16     |      |     | 15.1                |      |     |        |      |     |        |      |     | 38  |
| 40  | 14.3  |      |     | 15.9   |      |     | 15.2                |      |     | 14.1   |      |     |        |      |     | 40  |
| 45  | 13.7  |      |     | 15.9   |      |     | 15.2                |      |     | 14.2   |      |     | 12.9   |      |     | 45  |
| 50  | 13.1  | 11.6 |     | 15.7   |      |     | 15                  |      |     | 14.2   |      |     | 13     |      |     | 50  |
| 55  | 12.5  | 10.9 |     | 15.4   |      |     | 14.8                |      |     | 14     |      |     | 13     |      |     | 55  |
| 60  | 11.9  | 10.3 |     | 15.1   |      |     | 14.6                |      |     | 13.8   |      |     | 12.9   |      |     | 60  |
| 65  | 11.2  | 9.7  |     | 14.8   | 12   |     | 14.3                |      |     | 13.6   |      |     | 12.7   |      |     | 65  |
| 70  | 10.6  | 9.2  | 7.8 | 14.4   | 11.6 |     | 14                  | 11.5 |     | 13.3   |      |     | 12.5   |      |     | 70  |
| 75  | 10.1  | 8.8  | 7.5 | 14.1   | 11.2 |     | 13.7                | 11.1 |     | 13.1   | 10.9 |     | 12.3   |      |     | 75  |
| 80  | 9.5   | 8.3  | 7.2 | 13.7   | 10.8 |     | 13.4                | 10.7 |     | 12.8   | 10.5 |     | 12.1   | 10.2 |     | 80  |
| 85  | 9     | 8    | 7   | 13.4   | 10.5 |     | 13.1                | 10.4 |     | 12.6   | 10.2 |     | 11.9   | 9.9  |     | 85  |
| 90  | 8.5   | 7.6  | 6.8 | 13     | 10.1 | 7.8 | 12.8                | 10.1 | 7.8 | 12.3   | 9.9  |     | 11.6   | 9.7  |     | 90  |
| 95  | 8.1   | 7.3  | 6.7 | 12.6   | 9.8  | 7.6 | 12.5                | 9.8  | 7.6 | 12.1   | 9.7  | 7.5 | 11.4   | 9.4  |     | 95  |
| 100 | 7.7   | 7    | 6.5 | 12.3   | 9.5  | 7.5 | 12.2                | 9.5  | 7.4 | 11.8   | 9.4  | 7.4 | 11.2   | 9.2  | 7.2 | 100 |
| 105 | 7.3   | 6.8  | 6.4 | 11.9   | 9.2  | 7.3 | 11.9                | 9.3  | 7.3 | 11.5   | 9.1  | 7.2 | 11     | 8.9  | 7.1 | 105 |
| 110 | 7     | 6.6  | 6.3 | 11.5   | 9    | 7.2 | 11.5                | 9    | 7.2 | 11.3   | 8.9  | 7.1 | 10.8   | 8.7  | 7   | 110 |
| 115 | 6.7   | 6.5  | 6.3 | 11.2   | 8.7  | 7.1 | 11.2                | 8.8  | 7.1 | 11     | 8.7  | 7   | 10.6   | 8.5  | 6.9 | 115 |
| 120 | 6.5   | 6.4  | 6.3 | 10.8   | 8.5  | 7   | 10.9                | 8.5  | 6.9 | 10.7   | 8.5  | 6.9 | 10.4   | 8.3  | 6.8 | 120 |
| 125 | 6.2   | 6.3  | 6.3 | 10.5   | 8.2  | 6.9 | 10.6                | 8.3  | 6.8 | 10.4   | 8.3  | 6.8 | 10.1   | 8.1  | 6.7 | 125 |
| 130 | 6     | 6.3  |     | 10.1   | 8    | 6.8 | 10.3                | 8.1  | 6.7 | 10.2   | 8.1  | 6.7 | 9.9    | 8    | 6.6 | 130 |
| 135 |       |      |     | 9.8    | 7.8  | 6.7 | 9.9                 | 7.9  | 6.7 | 9.9    | 7.9  | 6.6 | 9.7    | 7.8  | 6.6 | 135 |
| 140 |       |      |     | 9.4    | 7.6  | 6.6 | 9.7                 | 7.7  | 6.6 | 9.7    | 7.7  | 6.6 | 9.4    | 7.6  | 6.5 | 140 |
| 145 |       |      |     | 9.1    | 7.4  | 6.5 | 9.3                 | 7.5  | 6.5 | 9.4    | 7.5  | 6.5 | 9.2    | 7.5  | 6.4 | 145 |
| 150 |       |      |     | 8.8    | 7.3  | 6.5 | 9.1                 | 7.4  | 6.4 | 9.1    | 7.4  | 6.4 | 9      | 7.3  | 6.4 | 150 |
| 155 |       |      |     | 8.5    | 7.2  | 6.4 | 8.8                 | 7.2  | 6.4 | 8.9    | 7.3  | 6.4 | 8.8    | 7.2  | 6.3 | 155 |
| 160 |       |      |     | 8.3    | 7    | 6.4 | 8.6                 | 7.1  | 6.3 | 8.6    | 7.1  | 6.3 | 8.6    | 7    | 6.3 | 160 |
| 165 |       |      |     | 8      | 6.9  | 6.3 | 8.3                 | 7    | 6.3 | 8.4    | 7    | 6.2 | 8.4    | 6.9  | 6.2 | 165 |
| 170 |       |      |     | 7.8    | 6.8  | 6.3 | 8.1                 | 6.9  | 6.3 | 8.2    | 6.9  | 6.2 | 8.2    | 6.8  | 6.1 | 170 |
| 175 |       |      |     | 7.6    | 6.7  | 6.3 | 7.8                 | 6.7  | 6.2 | 8      | 6.8  | 6.2 | 7.9    | 6.7  | 6.1 | 175 |
| 180 |       |      |     | 7.4    | 6.6  | 6.3 | 7.6                 | 6.7  | 6.2 | 7.8    | 6.7  | 6.1 | 7.8    | 6.6  | 6.1 | 180 |
| 185 |       |      |     | 7.2    | 6.5  | 6.3 | 7.5                 | 6.6  | 6.2 | 7.6    | 6.6  | 6.1 | 7.6    | 6.6  | 6.1 | 185 |
| 190 |       |      |     | 7      | 6.4  | 6.3 | 7.3                 | 6.5  | 6.2 | 7.4    | 6.5  | 6.1 | 7.4    | 6.5  | 6   | 190 |
| 195 |       |      |     | 6.8    | 6.4  | 6.3 | 7.1                 | 6.4  | 6.2 | 7.2    | 6.4  | 6.1 | 7.3    | 6.4  | 6   | 195 |
| 200 |       |      |     | 6.7    | 6.3  | 6.3 | 7                   | 6.4  | 6.2 | 7.1    | 6.4  | 6.1 | 7.1    | 6.4  | 6   | 200 |
| 205 |       |      |     | 6.5    | 6.3  | 6.3 | 6.8                 | 6.3  | 6.2 | 7      | 6.3  | 6.1 | 7      | 6.3  | 6   | 205 |
| 210 |       |      |     | 6.4    | 6.3  | 5.4 | 6.7                 | 6.3  | 6.2 | 6.8    | 6.3  | 6.1 | 6.9    | 6.2  | 6   | 210 |
| 215 |       |      |     | 6.2    | 6.3  |     | 6.6                 | 6.2  | 6.2 | 6.7    | 6.2  | 6.1 | 6.8    | 6.2  | 6   | 215 |
| 220 |       |      |     | 6.1    | 6.3  |     | 6.4                 | 6.2  | 6.2 | 6.6    | 6.2  | 6.1 | 6.7    | 6.1  | 6   | 220 |
| 225 |       |      |     | 5.7    | 6.3  |     | 6.3                 | 6.2  | 5.1 | 6.5    | 6.2  | 6.1 | 6.6    | 6.1  | 6   | 225 |
| 230 |       |      |     |        |      |     | 6.2                 | 6.2  |     | 6.4    | 6.2  | 6.1 | 6.5    | 6.1  | 6   | 230 |
| 235 |       |      |     |        |      |     | 6.1                 | 6.2  |     | 6.3    | 6.2  | 6   | 6.4    | 6.1  | 6   | 235 |
| 240 |       |      |     |        |      |     | 4.1                 | 6.2  |     | 6.2    | 6.2  |     | 6.3    | 6.1  | 6   | 240 |
| 245 |       |      |     |        |      |     |                     |      |     | 6.1    | 6.2  |     | 6.2    | 6.1  | 6   | 245 |
| 250 |       |      |     |        |      |     |                     |      |     | 5.4    | 6.2  |     | 6.1    | 6.1  | 5.7 | 250 |
| 255 |       |      |     |        |      |     |                     |      |     | 2.6    | 4.9  |     | 6      | 6    |     | 255 |
| 260 |       |      |     |        |      |     |                     |      |     |        |      |     | 5.9    | 6    |     | 260 |
| 265 |       |      |     |        |      |     |                     |      |     |        |      |     | 4.1    | 6    |     | 265 |
| 270 |       |      |     |        |      |     |                     |      |     |        |      |     | 3.8    | 3.9  |     | 270 |

t\_240\_002\_56501\_00\_000



# Lifting capacities

## Forces de levage

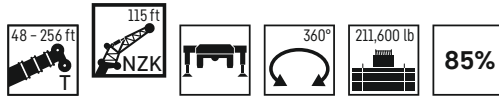


|  | 208 ft |     |     | 224 ft |     |     | 240 ft |     |     | 253 ft |     |     | 256 ft |     |     |  |
|-----------------------------------------------------------------------------------|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° |                                                                                     |
| 50                                                                                | 11.5   |     |     |        |     |     |        |     |     |        |     |     |        |     |     | 50                                                                                  |
| 55                                                                                | 11.5   |     |     | 9.9    |     |     |        |     |     |        |     |     |        |     |     | 55                                                                                  |
| 60                                                                                | 11.5   |     |     | 10.1   |     |     | 8.2    |     |     |        |     |     |        |     |     | 60                                                                                  |
| 65                                                                                | 11.5   |     |     | 10.2   |     |     | 8.5    |     |     | 6.9    |     |     |        |     |     | 65                                                                                  |
| 70                                                                                | 11.4   |     |     | 10.1   |     |     | 8.7    |     |     | 7.2    |     |     | 6.9    |     |     | 70                                                                                  |
| 75                                                                                | 11.2   |     |     | 10     |     |     | 8.7    |     |     | 7.4    |     |     | 7.2    |     |     | 75                                                                                  |
| 80                                                                                | 11.1   |     |     | 9.9    |     |     | 8.6    |     |     | 7.5    |     |     | 7.3    |     |     | 80                                                                                  |
| 85                                                                                | 10.9   | 9.4 |     | 9.8    |     |     | 8.5    |     |     | 7.5    |     |     | 7.4    |     |     | 85                                                                                  |
| 90                                                                                | 10.7   | 9.2 |     | 9.7    | 8.5 |     | 8.4    |     |     | 7.5    |     |     | 7.3    |     |     | 90                                                                                  |
| 95                                                                                | 10.6   | 9   |     | 9.6    | 8.4 |     | 8.4    |     |     | 7.4    |     |     | 7.3    |     |     | 95                                                                                  |
| 100                                                                               | 10.4   | 8.8 |     | 9.4    | 8.2 |     | 8.3    | 7.5 |     | 7.4    |     |     | 7.3    |     |     | 100                                                                                 |
| 105                                                                               | 10.3   | 8.6 |     | 9.3    | 8.1 |     | 8.2    | 7.4 |     | 7.3    | 6.9 |     | 7.2    | 6.8 |     | 105                                                                                 |
| 110                                                                               | 10.1   | 8.4 | 6.9 | 9.2    | 7.9 |     | 8.1    | 7.3 |     | 7.3    | 6.8 |     | 7.2    | 6.8 |     | 110                                                                                 |
| 115                                                                               | 9.9    | 8.2 | 6.8 | 9.1    | 7.7 | 6.6 | 8      | 7.2 |     | 7.2    | 6.8 |     | 7.1    | 6.7 |     | 115                                                                                 |
| 120                                                                               | 9.7    | 8   | 6.7 | 8.9    | 7.6 | 6.5 | 7.9    | 7.1 | 6.2 | 7.2    | 6.7 |     | 7      | 6.6 |     | 120                                                                                 |
| 125                                                                               | 9.6    | 7.9 | 6.6 | 8.8    | 7.5 | 6.4 | 7.8    | 7   | 6.2 | 7.1    | 6.6 |     | 7      | 6.5 |     | 125                                                                                 |
| 130                                                                               | 9.4    | 7.7 | 6.5 | 8.7    | 7.3 | 6.3 | 7.7    | 6.9 | 6.1 | 7      | 6.5 | 5.9 | 6.9    | 6.5 | 5.8 | 130                                                                                 |
| 135                                                                               | 9.2    | 7.6 | 6.4 | 8.6    | 7.2 | 6.3 | 7.7    | 6.8 | 6.1 | 7      | 6.4 | 5.9 | 6.9    | 6.4 | 5.8 | 135                                                                                 |
| 140                                                                               | 9      | 7.4 | 6.4 | 8.4    | 7.1 | 6.2 | 7.6    | 6.7 | 6   | 6.9    | 6.4 | 5.8 | 6.8    | 6.3 | 5.8 | 140                                                                                 |
| 145                                                                               | 8.8    | 7.3 | 6.3 | 8.3    | 7   | 6.2 | 7.5    | 6.6 | 6   | 6.8    | 6.3 | 5.8 | 6.7    | 6.2 | 5.8 | 145                                                                                 |
| 150                                                                               | 8.7    | 7.1 | 6.3 | 8.1    | 6.9 | 6.1 | 7.4    | 6.6 | 5.9 | 6.7    | 6.2 | 5.7 | 6.6    | 6.2 | 5.7 | 150                                                                                 |
| 155                                                                               | 8.5    | 7   | 6.2 | 8      | 6.8 | 6.1 | 7.3    | 6.5 | 5.9 | 6.6    | 6.2 | 5.7 | 6.5    | 6.1 | 5.7 | 155                                                                                 |
| 160                                                                               | 8.3    | 6.9 | 6.2 | 7.9    | 6.7 | 6   | 7.2    | 6.4 | 5.9 | 6.5    | 6.1 | 5.7 | 6.4    | 6.1 | 5.7 | 160                                                                                 |
| 165                                                                               | 8.1    | 6.8 | 6.1 | 7.7    | 6.6 | 6   | 7.1    | 6.3 | 5.8 | 6.4    | 6   | 5.7 | 6.4    | 6   | 5.6 | 165                                                                                 |
| 170                                                                               | 7.9    | 6.7 | 6.1 | 7.6    | 6.5 | 5.9 | 7      | 6.3 | 5.8 | 6.3    | 5.9 | 5.6 | 6.2    | 5.9 | 5.6 | 170                                                                                 |
| 175                                                                               | 7.8    | 6.7 | 6   | 7.4    | 6.4 | 5.9 | 6.9    | 6.2 | 5.8 | 6.2    | 5.8 | 5.6 | 6.1    | 5.8 | 5.6 | 175                                                                                 |
| 180                                                                               | 7.6    | 6.6 | 6   | 7.3    | 6.4 | 5.9 | 6.8    | 6.1 | 5.7 | 6      | 5.7 | 5.6 | 6      | 5.7 | 5.6 | 180                                                                                 |
| 185                                                                               | 7.4    | 6.5 | 6   | 7.2    | 6.3 | 5.9 | 6.7    | 6.1 | 5.7 | 5.8    | 5.6 | 5.5 | 5.8    | 5.6 | 5.5 | 185                                                                                 |
| 190                                                                               | 7.3    | 6.4 | 5.9 | 7.1    | 6.2 | 5.8 | 6.6    | 6   | 5.7 | 5.7    | 5.5 | 5.4 | 5.6    | 5.5 | 5.4 | 190                                                                                 |
| 195                                                                               | 7.1    | 6.3 | 5.9 | 7      | 6.2 | 5.8 | 6.5    | 6   | 5.7 | 5.5    | 5.4 | 5.3 | 5.5    | 5.4 | 5.3 | 195                                                                                 |
| 200                                                                               | 7      | 6.3 | 5.9 | 6.8    | 6.1 | 5.8 | 6.3    | 5.9 | 5.7 | 5.3    | 5.3 | 5.3 | 5.3    | 5.3 | 5.2 | 200                                                                                 |
| 205                                                                               | 6.9    | 6.2 | 5.9 | 6.7    | 6.1 | 5.8 | 6.2    | 5.8 | 5.7 | 5.1    | 5.2 | 5.2 | 5.1    | 5.1 | 5.2 | 205                                                                                 |
| 210                                                                               | 6.8    | 6.2 | 5.9 | 6.6    | 6   | 5.8 | 6.1    | 5.7 | 5.7 | 5      | 5   | 5.1 | 4.9    | 5   | 5.1 | 210                                                                                 |
| 215                                                                               | 6.7    | 6.1 | 5.9 | 6.5    | 6   | 5.8 | 5.9    | 5.6 | 5.6 | 4.8    | 4.9 | 5   | 4.8    | 4.9 | 5   | 215                                                                                 |
| 220                                                                               | 6.6    | 6   | 5.9 | 6.5    | 5.9 | 5.8 | 5.8    | 5.5 | 5.6 | 4.6    | 4.8 | 4.9 | 4.6    | 4.7 | 4.9 | 220                                                                                 |
| 225                                                                               | 6.5    | 6   | 5.9 | 6.4    | 5.9 | 5.8 | 5.7    | 5.5 | 5.5 | 4.5    | 4.6 | 4.8 | 4.4    | 4.6 | 4.8 | 225                                                                                 |
| 230                                                                               | 6.4    | 6   | 5.9 | 6.3    | 5.9 | 5.8 | 5.5    | 5.4 | 5.4 | 4.3    | 4.5 | 4.7 | 4.3    | 4.5 | 4.7 | 230                                                                                 |
| 235                                                                               | 6.4    | 6   | 5.9 | 6.2    | 5.8 | 5.8 | 5.4    | 5.3 | 5.4 | 4.1    | 4.3 | 4.6 | 4.1    | 4.3 | 4.6 | 235                                                                                 |
| 240                                                                               | 6.3    | 5.9 | 5.9 | 6      | 5.8 | 5.8 | 5.2    | 5.2 | 5.3 | 4      | 4.2 | 4.5 | 3.9    | 4.1 | 4.4 | 240                                                                                 |
| 245                                                                               | 6.1    | 5.9 | 5.9 | 5.8    | 5.7 | 5.8 | 5.1    | 5.1 | 5.2 | 3.8    | 4   | 4.3 | 3.7    | 4   | 4.3 | 245                                                                                 |
| 250                                                                               | 5.8    | 5.9 | 5.9 | 5.6    | 5.7 | 5.8 | 4.9    | 5   | 5.1 | 3.7    | 3.9 | 4.1 | 3.4    | 3.8 | 4.1 | 250                                                                                 |
| 255                                                                               | 5.4    | 5.8 | 5.9 | 5.3    | 5.6 | 5.8 | 4.7    | 4.9 | 5   | 3.5    | 3.7 | 4   | 3.2    | 3.6 | 4   | 255                                                                                 |
| 260                                                                               | 5.3    | 5.6 | 5.8 | 4.9    | 5.5 | 5.7 | 4.5    | 4.7 | 4.9 | 3.3    | 3.6 | 3.8 | 2.9    | 3.4 | 3.8 | 260                                                                                 |
| 265                                                                               | 5.1    | 5.2 | 5.3 | 4.4    | 5.2 | 5.4 | 4.3    | 4.6 | 4.8 | 3.2    | 3.4 | 3.6 | 2.6    | 3.2 | 3.5 | 265                                                                                 |
| 270                                                                               | 4.9    | 5.1 |     | 4.2    | 4.8 | 5   | 4.1    | 4.5 | 4.6 | 3      | 3.3 | 3.5 | 2.4    | 3   | 3.2 | 270                                                                                 |
| 275                                                                               | 4.7    | 4.9 |     | 4.1    | 4.2 | 4.4 | 3.7    | 4.3 | 4.4 | 2.7    | 3.1 | 3.3 |        | 2.7 | 2.9 | 275                                                                                 |
| 280                                                                               | 3.6    | 4.7 |     | 3.9    | 4.1 | 4.2 | 3.2    | 4.1 | 4.2 |        | 2.9 | 3.1 |        | 2.4 | 2.5 | 280                                                                                 |
| 285                                                                               |        | 3.5 |     | 3.8    | 4   |     | 2.8    | 3.7 | 3.8 |        | 2.8 | 3   |        |     | 2.2 | 285                                                                                 |
| 290                                                                               |        |     |     | 3.6    | 3.8 |     | 2.1    | 3.1 | 3.3 |        |     | 2.7 |        |     |     | 290                                                                                 |
| 295                                                                               |        |     |     |        | 3.6 |     |        | 2.6 | 2.7 |        |     |     |        |     |     | 295                                                                                 |

t\_240\_002\_56501\_00\_000

# Lifting capacities

## Forces de levage

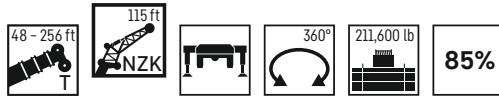


|  | 48 ft |     |     | 144 ft |     |     | 160 ft |     |     | 176 ft |     |     | 1115 ft |     |     |  |
|-----------------------------------------------------------------------------------|-------|-----|-----|--------|-----|-----|--------|-----|-----|--------|-----|-----|---------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°    | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°      | 20° | 40° |                                                                                     |
| 19                                                                                | 9.1   |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 19                                                                                  |
| 20                                                                                | 9.1   |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 20                                                                                  |
| 22                                                                                | 9.2   |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 22                                                                                  |
| 24                                                                                | 10.1  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 24                                                                                  |
| 26                                                                                | 10.8  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 26                                                                                  |
| 28                                                                                | 11.2  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 28                                                                                  |
| 30                                                                                | 11.1  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 30                                                                                  |
| 32                                                                                | 10.9  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 32                                                                                  |
| 34                                                                                | 10.8  |     |     |        |     |     |        |     |     |        |     |     |         |     |     | 34                                                                                  |
| 36                                                                                | 10.6  |     |     | 9.3    |     |     |        |     |     |        |     |     |         |     |     | 36                                                                                  |
| 38                                                                                | 10.5  |     |     | 9.7    |     |     |        |     |     |        |     |     |         |     |     | 38                                                                                  |
| 40                                                                                | 10.3  |     |     | 10     |     |     | 9.1    |     |     |        |     |     |         |     |     | 40                                                                                  |
| 45                                                                                | 9.9   |     |     | 10.7   |     |     | 9.8    |     |     | 8.7    |     |     |         |     |     | 45                                                                                  |
| 50                                                                                | 9.5   |     |     | 11     |     |     | 10.3   |     |     | 9.2    |     |     | 7.8     |     |     | 50                                                                                  |
| 55                                                                                | 9     |     |     | 10.9   |     |     | 10.4   |     |     | 9.6    |     |     | 8.3     |     |     | 55                                                                                  |
| 60                                                                                | 8.6   | 7.4 |     | 10.7   |     |     | 10.2   |     |     | 9.7    |     |     | 8.7     |     |     | 60                                                                                  |
| 65                                                                                | 8.2   | 7   |     | 10.4   |     |     | 10     |     |     | 9.5    |     |     | 8.8     |     |     | 65                                                                                  |
| 70                                                                                | 7.7   | 6.6 |     | 10.2   |     |     | 9.8    |     |     | 9.4    |     |     | 8.7     |     |     | 70                                                                                  |
| 75                                                                                | 7.2   | 6.3 |     | 9.9    |     |     | 9.6    |     |     | 9.2    |     |     | 8.6     |     |     | 75                                                                                  |
| 80                                                                                | 6.8   | 6   |     | 9.7    | 7.3 |     | 9.4    | 7.2 |     | 9      |     |     | 8.4     |     |     | 80                                                                                  |
| 85                                                                                | 6.5   | 5.7 |     | 9.4    | 7.1 |     | 9.2    | 7   |     | 8.8    | 6.9 |     | 8.2     |     |     | 85                                                                                  |
| 90                                                                                | 6.1   | 5.5 | 4.8 | 9.1    | 6.9 |     | 8.9    | 6.8 |     | 8.6    | 6.7 |     | 8.1     | 6.4 |     | 90                                                                                  |
| 95                                                                                | 5.8   | 5.2 | 4.6 | 8.8    | 6.6 |     | 8.7    | 6.6 |     | 8.4    | 6.5 |     | 7.9     | 6.3 |     | 95                                                                                  |
| 100                                                                               | 5.6   | 5   | 4.5 | 8.6    | 6.4 |     | 8.4    | 6.4 |     | 8.2    | 6.3 |     | 7.7     | 6.2 |     | 100                                                                                 |
| 105                                                                               | 5.3   | 4.8 | 4.3 | 8.3    | 6.2 | 4.6 | 8.2    | 6.2 |     | 7.9    | 6.1 |     | 7.5     | 6   |     | 105                                                                                 |
| 110                                                                               | 5.1   | 4.6 | 4.2 | 8      | 6.1 | 4.5 | 7.9    | 6   | 4.5 | 7.7    | 6   |     | 7.4     | 5.8 |     | 110                                                                                 |
| 115                                                                               | 4.9   | 4.4 | 4.1 | 7.7    | 5.9 | 4.5 | 7.7    | 5.9 | 4.5 | 7.5    | 5.8 | 4.4 | 7.2     | 5.7 |     | 115                                                                                 |
| 120                                                                               | 4.7   | 4.3 | 3.9 | 7.4    | 5.7 | 4.4 | 7.4    | 5.7 | 4.4 | 7.3    | 5.7 | 4.3 | 7       | 5.6 | 4.3 | 120                                                                                 |
| 125                                                                               | 4.5   | 4.1 | 3.9 | 7.1    | 5.6 | 4.4 | 7.2    | 5.6 | 4.3 | 7.1    | 5.5 | 4.3 | 6.8     | 5.4 | 4.2 | 125                                                                                 |
| 130                                                                               | 4.3   | 4   | 3.8 | 6.9    | 5.4 | 4.3 | 6.9    | 5.4 | 4.3 | 6.9    | 5.4 | 4.2 | 6.7     | 5.3 | 4.2 | 130                                                                                 |
| 135                                                                               | 4.2   | 3.9 | 3.8 | 6.6    | 5.3 | 4.2 | 6.7    | 5.3 | 4.2 | 6.7    | 5.3 | 4.2 | 6.5     | 5.2 | 4.1 | 135                                                                                 |
| 140                                                                               | 4     | 3.8 | 3.8 | 6.4    | 5.1 | 4.2 | 6.5    | 5.2 | 4.2 | 6.5    | 5.1 | 4.2 | 6.3     | 5.1 | 4.1 | 140                                                                                 |
| 145                                                                               | 3.9   | 3.8 | 3.8 | 6.2    | 5   | 4.2 | 6.3    | 5   | 4.2 | 6.3    | 5   | 4.1 | 6.2     | 5   | 4   | 145                                                                                 |
| 150                                                                               | 3.8   | 3.8 |     | 6      | 4.9 | 4.1 | 6.1    | 4.9 | 4.1 | 6.1    | 4.9 | 4.1 | 6       | 4.8 | 4   | 150                                                                                 |
| 155                                                                               | 3.7   | 3.8 |     | 5.8    | 4.8 | 4.1 | 5.9    | 4.8 | 4   | 6      | 4.8 | 4   | 5.9     | 4.7 | 4   | 155                                                                                 |
| 160                                                                               |       |     |     | 5.7    | 4.6 | 4   | 5.8    | 4.7 | 4   | 5.8    | 4.7 | 4   | 5.7     | 4.6 | 3.9 | 160                                                                                 |
| 165                                                                               |       |     |     | 5.5    | 4.6 | 3.9 | 5.6    | 4.6 | 3.9 | 5.7    | 4.6 | 3.9 | 5.6     | 4.6 | 3.9 | 165                                                                                 |
| 170                                                                               |       |     |     | 5.3    | 4.5 | 3.9 | 5.5    | 4.5 | 3.9 | 5.5    | 4.5 | 3.9 | 5.5     | 4.5 | 3.8 | 170                                                                                 |
| 175                                                                               |       |     |     | 5.2    | 4.4 | 3.9 | 5.3    | 4.4 | 3.8 | 5.3    | 4.4 | 3.8 | 5.3     | 4.4 | 3.8 | 175                                                                                 |
| 180                                                                               |       |     |     | 5      | 4.3 | 3.8 | 5.2    | 4.3 | 3.8 | 5.2    | 4.3 | 3.8 | 5.2     | 4.3 | 3.7 | 180                                                                                 |
| 185                                                                               |       |     |     | 4.9    | 4.2 | 3.8 | 5      | 4.2 | 3.8 | 5.1    | 4.3 | 3.7 | 5.1     | 4.2 | 3.7 | 185                                                                                 |
| 190                                                                               |       |     |     | 4.8    | 4.1 | 3.8 | 4.9    | 4.2 | 3.8 | 5      | 4.2 | 3.7 | 4.9     | 4.2 | 3.7 | 190                                                                                 |
| 195                                                                               |       |     |     | 4.7    | 4   | 3.8 | 4.8    | 4.1 | 3.7 | 4.9    | 4.1 | 3.7 | 4.8     | 4.1 | 3.6 | 195                                                                                 |
| 200                                                                               |       |     |     | 4.5    | 4   | 3.8 | 4.7    | 4   | 3.7 | 4.7    | 4   | 3.7 | 4.7     | 4   | 3.6 | 200                                                                                 |
| 205                                                                               |       |     |     | 4.4    | 3.9 | 3.8 | 4.6    | 4   | 3.7 | 4.6    | 4   | 3.6 | 4.6     | 4   | 3.6 | 205                                                                                 |
| 210                                                                               |       |     |     | 4.3    | 3.9 | 3.8 | 4.4    | 3.9 | 3.7 | 4.5    | 3.9 | 3.6 | 4.5     | 3.9 | 3.6 | 210                                                                                 |
| 215                                                                               |       |     |     | 4.2    | 3.8 | 3.8 | 4.3    | 3.9 | 3.7 | 4.4    | 3.9 | 3.6 | 4.4     | 3.8 | 3.6 | 215                                                                                 |
| 220                                                                               |       |     |     | 4.1    | 3.8 | 3.8 | 4.2    | 3.8 | 3.7 | 4.3    | 3.8 | 3.6 | 4.3     | 3.8 | 3.6 | 220                                                                                 |
| 225                                                                               |       |     |     | 4      | 3.8 | 3.8 | 4.2    | 3.8 | 3.7 | 4.3    | 3.8 | 3.6 | 4.2     | 3.8 | 3.6 | 225                                                                                 |
| 230                                                                               |       |     |     | 4      | 3.8 | 3.8 | 4.1    | 3.7 | 3.7 | 4.2    | 3.7 | 3.6 | 4.2     | 3.7 | 3.6 | 230                                                                                 |
| 235                                                                               |       |     |     | 3.9    | 3.8 |     | 4      | 3.7 | 3.7 | 4.1    | 3.7 | 3.6 | 4.1     | 3.7 | 3.6 | 235                                                                                 |
| 240                                                                               |       |     |     | 3.8    | 3.8 |     | 3.9    | 3.7 | 3.7 | 4      | 3.7 | 3.6 | 4       | 3.6 | 3.6 | 240                                                                                 |
| 245                                                                               |       |     |     | 3.8    | 3.8 |     | 3.9    | 3.7 |     | 3.9    | 3.7 | 3.6 | 4       | 3.6 | 3.6 | 245                                                                                 |
| 250                                                                               |       |     |     |        |     |     | 3.8    | 3.7 |     | 3.9    | 3.6 | 3.6 | 3.9     | 3.6 | 3.6 | 250                                                                                 |
| 255                                                                               |       |     |     |        |     |     | 3.7    | 3.7 |     | 3.8    | 3.6 | 3.6 | 3.8     | 3.6 | 3.6 | 255                                                                                 |
| 260                                                                               |       |     |     |        |     |     | 3.7    | 3.7 |     | 3.7    | 3.6 |     | 3.8     | 3.6 | 3.6 | 260                                                                                 |
| 265                                                                               |       |     |     |        |     |     |        |     |     | 3.7    | 3.6 |     | 3.7     | 3.6 | 3.6 | 265                                                                                 |
| 270                                                                               |       |     |     |        |     |     |        |     |     | 3.7    | 3.6 |     | 3.7     | 3.6 | 3.6 | 270                                                                                 |
| 275                                                                               |       |     |     |        |     |     |        |     |     | 2.5    | 3.6 |     | 3.6     | 3.6 |     | 275                                                                                 |
| 280                                                                               |       |     |     |        |     |     |        |     |     |        |     |     | 3.6     | 3.6 |     | 280                                                                                 |
| 285                                                                               |       |     |     |        |     |     |        |     |     |        |     |     | 3.3     | 3.6 |     | 285                                                                                 |
| 290                                                                               |       |     |     |        |     |     |        |     |     |        |     |     | 2.4     | 3.4 |     | 290                                                                                 |
| 295                                                                               |       |     |     |        |     |     |        |     |     |        |     |     |         | 2.5 |     | 295                                                                                 |

t\_240\_002\_56601\_00\_000

# Lifting capacities

## Forces de levage

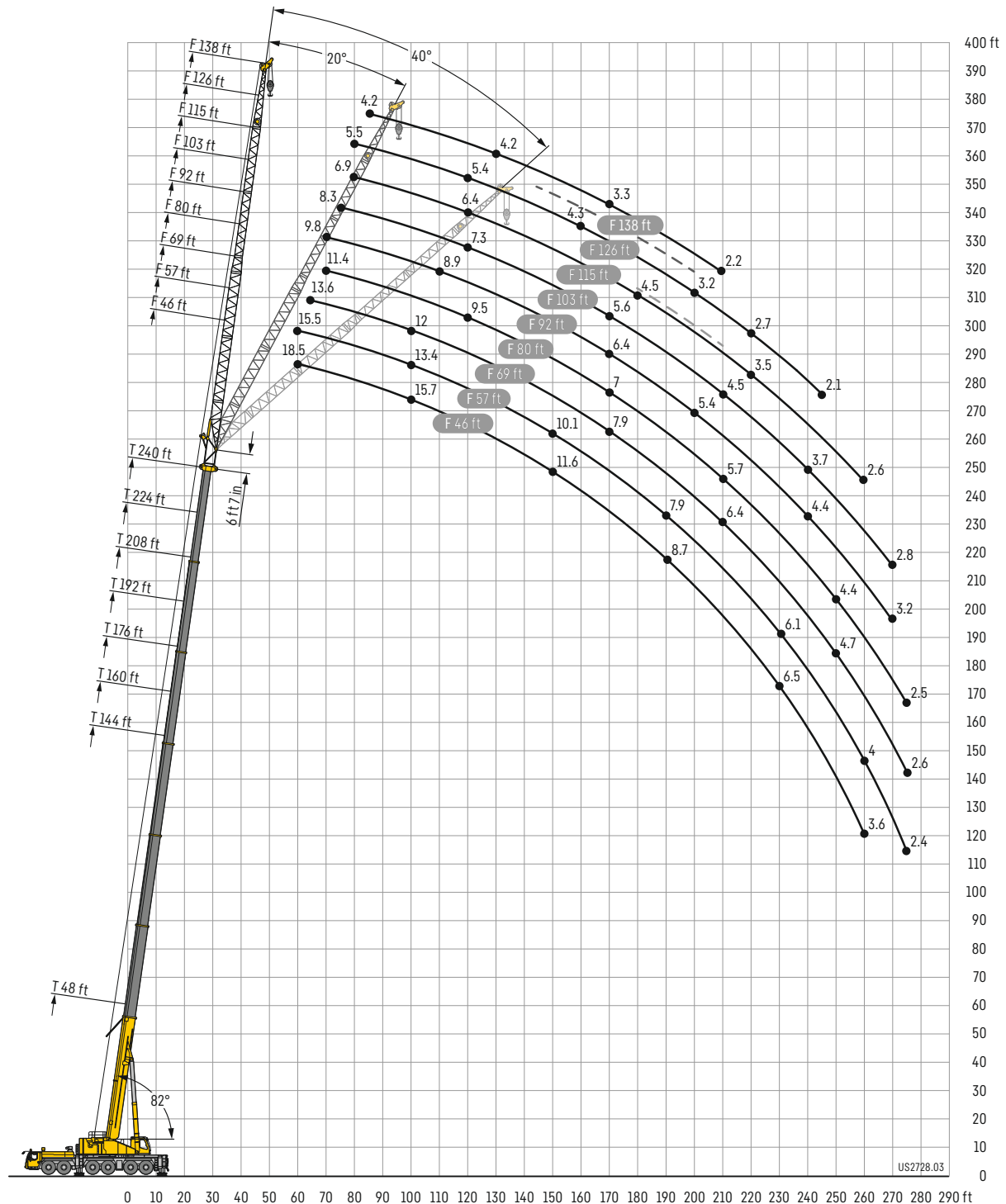


|     | 208 ft |     |     | 224 ft |     |     | 240 ft<br>NZK 115 ft |     |     | 253 ft |     |     | 256 ft |     |     |     |
|-----|--------|-----|-----|--------|-----|-----|----------------------|-----|-----|--------|-----|-----|--------|-----|-----|-----|
|     | 0°     | 20° | 40° | 0°     | 20° | 40° | 0°                   | 20° | 40° | 0°     | 20° | 40° | 0°     | 20° | 40° |     |
| 55  | 6.7    |     |     |        |     |     |                      |     |     |        |     |     |        |     |     | 55  |
| 60  | 7.1    |     |     | 5.6    |     |     |                      |     |     |        |     |     |        |     |     | 60  |
| 65  | 7.5    |     |     | 5.9    |     |     | 4.6                  |     |     |        |     |     |        |     |     | 65  |
| 70  | 7.6    |     |     | 6.3    |     |     | 4.8                  |     |     |        |     |     |        |     |     | 70  |
| 75  | 7.7    |     |     | 6.5    |     |     | 5.1                  |     |     | 4      |     |     | 3.8    |     |     | 75  |
| 80  | 7.6    |     |     | 6.6    |     |     | 5.3                  |     |     | 4      |     |     | 3.8    |     |     | 80  |
| 85  | 7.5    |     |     | 6.6    |     |     | 5.4                  |     |     | 4.1    |     |     | 3.8    |     |     | 85  |
| 90  | 7.3    |     |     | 6.6    |     |     | 5.5                  |     |     | 4.2    |     |     | 3.8    |     |     | 90  |
| 95  | 7.2    |     |     | 6.6    |     |     | 5.6                  |     |     | 4.3    |     |     | 3.8    |     |     | 95  |
| 100 | 7.1    | 5.9 |     | 6.5    |     |     | 5.6                  |     |     | 4.3    |     |     | 3.9    |     |     | 100 |
| 105 | 7      | 5.8 |     | 6.4    | 5.4 |     | 5.6                  |     |     | 4.3    |     |     | 3.9    |     |     | 105 |
| 110 | 6.8    | 5.6 |     | 6.3    | 5.3 |     | 5.6                  |     |     | 4.3    |     |     | 3.9    |     |     | 110 |
| 115 | 6.7    | 5.5 |     | 6.2    | 5.2 |     | 5.5                  | 4.7 |     | 4.3    |     |     | 3.9    |     |     | 115 |
| 120 | 6.6    | 5.4 |     | 6.1    | 5.1 |     | 5.5                  | 4.7 |     | 4.4    | 4.2 |     | 3.9    | 4.1 |     | 120 |
| 125 | 6.5    | 5.3 | 4.1 | 6      | 5   |     | 5.4                  | 4.7 |     | 4.4    | 4.2 |     | 3.9    | 4.1 |     | 125 |
| 130 | 6.3    | 5.1 | 4   | 5.9    | 4.9 |     | 5.3                  | 4.6 |     | 4.4    | 4.2 |     | 3.9    | 4.1 |     | 130 |
| 135 | 6.2    | 5   | 4   | 5.8    | 4.8 | 3.8 | 5.3                  | 4.5 |     | 4.4    | 4.2 |     | 3.9    | 4.1 |     | 135 |
| 140 | 6.1    | 4.9 | 4   | 5.6    | 4.7 | 3.8 | 5.2                  | 4.4 | 3.6 | 4.4    | 4.1 |     | 3.9    | 4   |     | 140 |
| 145 | 5.9    | 4.8 | 3.9 | 5.5    | 4.6 | 3.8 | 5.1                  | 4.4 | 3.6 | 4.3    | 4.1 |     | 3.9    | 4   |     | 145 |
| 150 | 5.8    | 4.7 | 3.9 | 5.4    | 4.5 | 3.8 | 5                    | 4.3 | 3.6 | 4.3    | 4   | 3.4 | 3.9    | 4   | 3.3 | 150 |
| 155 | 5.7    | 4.6 | 3.9 | 5.3    | 4.4 | 3.7 | 4.9                  | 4.2 | 3.6 | 4.2    | 4   | 3.4 | 3.9    | 4   | 3.3 | 155 |
| 160 | 5.5    | 4.5 | 3.8 | 5.2    | 4.4 | 3.7 | 4.8                  | 4.1 | 3.5 | 4.2    | 3.9 | 3.4 | 3.9    | 3.9 | 3.3 | 160 |
| 165 | 5.4    | 4.4 | 3.8 | 5.1    | 4.3 | 3.7 | 4.8                  | 4.1 | 3.5 | 4.2    | 3.9 | 3.3 | 3.9    | 3.9 | 3.3 | 165 |
| 170 | 5.3    | 4.4 | 3.8 | 5      | 4.2 | 3.6 | 4.7                  | 4   | 3.5 | 4.1    | 3.8 | 3.3 | 3.8    | 3.8 | 3.3 | 170 |
| 175 | 5.2    | 4.3 | 3.7 | 4.9    | 4.2 | 3.6 | 4.6                  | 4   | 3.5 | 4.1    | 3.8 | 3.3 | 3.8    | 3.8 | 3.3 | 175 |
| 180 | 5      | 4.2 | 3.7 | 4.8    | 4.1 | 3.6 | 4.5                  | 3.9 | 3.5 | 4      | 3.7 | 3.3 | 3.7    | 3.7 | 3.3 | 180 |
| 185 | 4.9    | 4.1 | 3.6 | 4.7    | 4   | 3.6 | 4.5                  | 3.8 | 3.4 | 4      | 3.7 | 3.3 | 3.7    | 3.7 | 3.3 | 185 |
| 190 | 4.8    | 4.1 | 3.6 | 4.7    | 3.9 | 3.5 | 4.4                  | 3.8 | 3.4 | 3.9    | 3.6 | 3.3 | 3.7    | 3.6 | 3.3 | 190 |
| 195 | 4.7    | 4   | 3.6 | 4.6    | 3.9 | 3.5 | 4.3                  | 3.7 | 3.4 | 3.9    | 3.6 | 3.3 | 3.6    | 3.6 | 3.3 | 195 |
| 200 | 4.6    | 4   | 3.5 | 4.5    | 3.9 | 3.5 | 4.2                  | 3.7 | 3.4 | 3.8    | 3.5 | 3.3 | 3.6    | 3.5 | 3.3 | 200 |
| 205 | 4.5    | 3.9 | 3.5 | 4.4    | 3.8 | 3.5 | 4.2                  | 3.6 | 3.4 | 3.7    | 3.5 | 3.3 | 3.6    | 3.5 | 3.2 | 205 |
| 210 | 4.4    | 3.8 | 3.5 | 4.3    | 3.8 | 3.4 | 4.1                  | 3.6 | 3.4 | 3.7    | 3.5 | 3.3 | 3.5    | 3.4 | 3.2 | 210 |
| 215 | 4.4    | 3.8 | 3.5 | 4.3    | 3.7 | 3.4 | 4                    | 3.6 | 3.3 | 3.6    | 3.4 | 3.2 | 3.5    | 3.4 | 3.2 | 215 |
| 220 | 4.3    | 3.7 | 3.5 | 4.2    | 3.7 | 3.4 | 4                    | 3.5 | 3.3 | 3.5    | 3.4 | 3.2 | 3.5    | 3.4 | 3.2 | 220 |
| 225 | 4.2    | 3.7 | 3.5 | 4.1    | 3.6 | 3.4 | 3.9                  | 3.5 | 3.3 | 3.4    | 3.3 | 3.2 | 3.3    | 3.4 | 3.2 | 225 |
| 230 | 4.1    | 3.7 | 3.5 | 4      | 3.6 | 3.4 | 3.9                  | 3.5 | 3.3 | 3.2    | 3.3 | 3.2 | 3.2    | 3.3 | 3.2 | 230 |
| 235 | 4.1    | 3.6 | 3.5 | 4      | 3.5 | 3.4 | 3.8                  | 3.4 | 3.3 | 3.1    | 3.2 | 3.2 | 3.1    | 3.2 | 3.2 | 235 |
| 240 | 4      | 3.6 | 3.5 | 3.9    | 3.5 | 3.4 | 3.8                  | 3.4 | 3.3 | 2.9    | 3.1 | 3.2 | 2.9    | 3.1 | 3.2 | 240 |
| 245 | 3.9    | 3.6 | 3.5 | 3.9    | 3.5 | 3.4 | 3.7                  | 3.4 | 3.3 | 2.8    | 3   | 3.2 | 2.8    | 3   | 3.2 | 245 |
| 250 | 3.9    | 3.5 | 3.5 | 3.8    | 3.4 | 3.4 | 3.6                  | 3.4 | 3.3 | 2.6    | 2.9 | 3.1 | 2.6    | 2.9 | 3.1 | 250 |
| 255 | 3.8    | 3.5 | 3.5 | 3.7    | 3.4 | 3.4 | 3.5                  | 3.3 | 3.3 | 2.5    | 2.8 | 3.1 | 2.5    | 2.8 | 3   | 255 |
| 260 | 3.8    | 3.5 | 3.5 | 3.7    | 3.4 | 3.4 | 3.5                  | 3.3 | 3.3 | 2.3    | 2.7 | 3   | 2.3    | 2.6 | 3   | 260 |
| 265 | 3.7    | 3.5 | 3.5 | 3.6    | 3.4 | 3.4 | 3.4                  | 3.3 | 3.3 | 2.2    | 2.5 | 2.8 |        | 2.5 | 2.8 | 265 |
| 270 | 3.7    | 3.5 | 3.5 | 3.5    | 3.4 | 3.4 | 3.3                  | 3.3 | 3.3 |        | 2.4 | 2.7 |        | 2.4 | 2.7 | 270 |
| 275 | 3.6    | 3.5 | 3.5 | 3.4    | 3.4 | 3.4 | 3.2                  | 3.2 | 3.3 |        | 2.2 | 2.5 |        | 2.2 | 2.5 | 275 |
| 280 | 3.5    | 3.5 | 3.5 | 3.2    | 3.3 | 3.4 | 3                    | 3.1 | 3.3 |        |     | 2.4 |        |     | 2.4 | 280 |
| 285 | 3.5    | 3.5 |     | 2.9    | 3.3 | 3.4 |                      | 3.1 | 3.3 |        |     | 2.2 |        |     |     | 285 |
| 290 | 3.5    | 3.5 |     | 2.8    | 3.2 | 3.4 |                      | 3   | 3.3 |        |     |     |        |     |     | 290 |
| 295 | 3.3    | 3.5 |     | 2.6    | 2.8 | 3.2 |                      | 2.8 | 3.1 |        |     |     |        |     |     | 295 |
| 300 | 2.2    | 3.4 |     | 2.5    | 2.7 |     |                      |     | 2.7 |        |     |     |        |     |     | 300 |
| 305 |        | 2.6 |     |        | 2.6 |     |                      |     |     |        |     |     |        |     |     | 305 |
| 310 |        |     |     |        | 2.4 |     |                      |     |     |        |     |     |        |     |     | 310 |

t\_240\_002\_56601\_00\_000

# Lifting heights

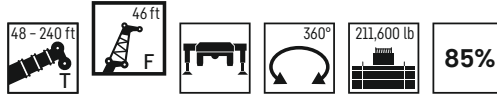
## Hauteurs de levage



# Lifting capacities

## Forces de levage

# TF 46 ft



|  | 48 + 6 ft 7 in* |      |      | 144 + 6 ft 7 in* |      |      | 160 + 6 ft 7 in* |      |      | 176 + 6 ft 7 in* |      |      | 192 + 6 ft 7 in* |      |      | 208 + 6 ft 7 in* |      |      | 224 + 6 ft 7 in* |      |      | 240 + 6 ft 7 in* |      |      |  |     |
|-----------------------------------------------------------------------------------|-----------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------------------------------------------------------------------------|-----|
|                                                                                   | 0°              | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  |                                                                                     |     |
| 12                                                                                | 53.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 12                                                                                  |     |
| 13                                                                                | 53.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 13                                                                                  |     |
| 14                                                                                | 53.1            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 14                                                                                  |     |
| 15                                                                                | 52.4            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 15                                                                                  |     |
| 16                                                                                | 51.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 16                                                                                  |     |
| 17                                                                                | 51              |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 17                                                                                  |     |
| 18                                                                                | 49.9            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 18                                                                                  |     |
| 19                                                                                | 48.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 19                                                                                  |     |
| 20                                                                                | 47.7            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 20                                                                                  |     |
| 22                                                                                | 45.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 22                                                                                  |     |
| 24                                                                                | 43.9            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 24                                                                                  |     |
| 26                                                                                | 42.2            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 26                                                                                  |     |
| 28                                                                                | 40.5            | 36.1 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 28                                                                                  |     |
| 30                                                                                | 38.8            | 35.5 |      |                  | 53.6 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 30                                                                                  |     |
| 32                                                                                | 37.3            | 34.1 |      |                  | 52.9 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 32                                                                                  |     |
| 34                                                                                | 35.8            | 32.8 |      |                  | 52.2 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 34                                                                                  |     |
| 36                                                                                | 34.3            | 31.6 |      |                  | 51.6 |      |                  | 47.7 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 36                                                                                  |     |
| 38                                                                                | 32.9            | 30.5 |      |                  | 50.6 |      |                  | 47.2 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 38                                                                                  |     |
| 40                                                                                | 31.7            | 29.4 | 27   |                  | 49.5 |      |                  | 46.6 |      |                  | 41.5 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 40                                                                                  |     |
| 45                                                                                | 28.8            | 27.1 | 26.7 |                  | 46.8 |      |                  | 44.8 |      |                  | 40.8 |      |                  |      |      | 35.1             |      |      |                  |      |      |                  |      |      | 45                                                                                  |     |
| 50                                                                                | 26.5            | 24.9 | 24.8 |                  | 44.3 | 34.9 |                  | 42.7 |      |                  | 39.7 |      |                  |      |      | 34.7             |      |      | 29.3             |      |      |                  |      |      | 50                                                                                  |     |
| 55                                                                                | 24.4            | 23.2 | 23.2 |                  | 42.1 | 33.2 |                  | 40.8 | 32.9 |                  | 38.4 |      |                  |      |      | 34.3             |      |      | 29.1             |      |      | 23.4             |      |      | 55                                                                                  |     |
| 60                                                                                | 22.6            | 21.6 | 21.7 |                  | 39.9 | 31.7 | 27               | 39.1 | 31.4 |                  | 37.1 | 30.5 |                  |      |      | 33.7             |      |      | 28.9             |      |      | 23.1             |      | 18.5 | 60                                                                                  |     |
| 65                                                                                | 21              | 20.2 | 20.4 |                  | 38   | 30.4 |                  | 37.4 | 30.2 | 26.7             | 35.7 | 29.4 |                  |      |      | 33               | 27.9 |      | 28.5             |      |      | 22.9             |      | 18.3 | 65                                                                                  |     |
| 70                                                                                | 19.7            | 19   | 19.4 |                  | 36   | 29   | 26               | 35.7 | 29   | 25.9             | 34.3 | 28.3 | 25.3             | 31.9 | 27   | 28               | 24.9 |      |                  |      |      | 22.6             |      | 18   | 70                                                                                  |     |
| 75                                                                                | 18.4            | 17.9 | 18.4 |                  | 34.1 | 27.9 | 25.2             | 34.2 | 27.9 | 25               | 33   | 27.3 | 24.6             | 30.9 | 26.2 | 23.6             | 27.2 | 24.3 |                  |      |      | 22.3             | 20.9 | 17.7 | 75                                                                                  |     |
| 80                                                                                | 17.4            | 17   | 17.6 |                  | 32.4 | 26.8 | 24.4             | 32.7 | 26.9 | 24.3             | 31.8 | 26.4 | 23.9             | 29.9 | 25.4 | 23               | 26.4 | 23.7 |                  |      |      | 21.8             | 20.4 | 17.4 | 15.7                                                                                | 80  |
| 85                                                                                | 16.5            | 16.3 | 17.1 |                  | 30.9 | 25.7 | 23.6             | 31.2 | 25.9 | 23.6             | 30.6 | 25.5 | 23.2             | 28.9 | 24.6 | 22.4             | 25.5 | 23.1 | 21.2             |      |      | 21.2             | 19.9 |      | 15                                                                                  | 85  |
| 90                                                                                | 15.8            | 15.8 |      |                  | 29.5 | 24.8 | 22.9             | 29.8 | 25   | 22.9             | 29.4 | 24.7 | 22.6             | 28   | 23.9 | 21.9             | 24.7 | 22.5 | 20.8             | 20.5 | 19.3 | 18.9             | 16.6 | 14.9 | 90                                                                                  |     |
| 95                                                                                |                 |      |      |                  | 28.1 | 23.9 | 22.3             | 28.7 | 24.2 | 22.3             | 28.2 | 24   | 22.1             | 27.1 | 23.2 | 21.4             | 23.9 | 22   | 20.4             | 19.9 | 18.7 | 18.4             | 16.1 | 14.5 | 13.9                                                                                | 95  |
| 100                                                                               |                 |      |      |                  | 27   | 23   | 21.7             | 27.5 | 23.4 | 21.8             | 27.2 | 23.2 | 21.5             | 26.3 | 22.6 | 20.9             | 23.1 | 21.5 | 20               | 19.2 | 18.2 | 17.8             | 15.7 | 14.1 | 13.5                                                                                | 100 |
| 105                                                                               |                 |      |      |                  | 25.9 | 22.3 | 21.1             | 26.4 | 22.6 | 21.2             | 26.3 | 22.5 | 21               | 25.4 | 22   | 20.5             | 22.3 | 20.9 | 19.6             | 18.6 | 17.7 | 17.3             | 15.2 | 13.7 | 13.1                                                                                | 105 |
| 110                                                                               |                 |      |      |                  | 24.8 | 21.6 | 20.5             | 25.4 | 21.9 | 20.7             | 25.4 | 21.9 | 20.6             | 24.6 | 21.4 | 20.1             | 21.5 | 20.3 | 19.2             | 18   | 17.2 | 16.8             | 14.8 | 13.3 | 12.8                                                                                | 110 |
| 115                                                                               |                 |      |      |                  | 23.8 | 20.9 | 20               | 24.5 | 21.3 | 20.2             | 24.5 | 21.3 | 20.1             | 23.9 | 20.9 | 19.7             | 20.8 | 19.7 | 18.9             | 17.4 | 16.6 | 16.4             | 14.3 | 12.9 | 12.5                                                                                | 115 |
| 120                                                                               |                 |      |      |                  | 22.9 | 20.3 | 19.6             | 23.6 | 20.7 | 19.8             | 23.7 | 20.7 | 19.7             | 23.2 | 20.4 | 19.3             | 20.1 | 19   | 18.5             | 16.9 | 16.1 | 15.9             | 13.9 | 12.6 | 12.2                                                                                | 120 |
| 125                                                                               |                 |      |      |                  | 22.1 | 19.7 | 19.2             | 22.8 | 20.1 | 19.4             | 23   | 20.2 | 19.3             | 22.5 | 19.9 | 19               | 19.4 | 18.4 | 18.1             | 16.3 | 15.6 | 15.5             | 13.5 | 12.3 | 11.9                                                                                | 125 |
| 130                                                                               |                 |      |      |                  | 21.2 | 19.1 | 18.8             | 22   | 19.6 | 19               | 22.3 | 19.7 | 19               | 21.8 | 19.4 | 18.6             | 18.7 | 17.8 | 17.7             | 15.7 | 15.1 | 15.1             | 13.1 | 12   | 11.6                                                                                | 130 |
| 135                                                                               |                 |      |      |                  | 20.5 | 18.6 | 18.4             | 21.3 | 19.1 | 18.6             | 21.6 | 19.2 | 18.6             | 21   | 19   | 18.3             | 18.1 | 17.2 | 17.2             | 15.2 | 14.6 | 14.6             | 12.8 | 11.6 | 11.3                                                                                | 135 |
| 140                                                                               |                 |      |      |                  | 19.9 | 18.1 | 18.1             | 20.6 | 18.6 | 18.3             | 20.9 | 18.8 | 18.3             | 20.1 | 18.6 | 18               | 17.4 | 16.7 | 16.7             | 14.6 | 14.1 | 14.2             | 12.4 | 11.3 | 11.1                                                                                | 140 |
| 145                                                                               |                 |      |      |                  | 19.2 | 17.7 | 17.8             | 20   | 18.2 | 18               | 20.3 | 18.4 | 18               | 19.2 | 18.2 | 17.7             | 16.8 | 16.2 | 16.2             | 14.1 | 13.6 | 13.7             | 12   | 11   | 10.8                                                                                | 145 |
| 150                                                                               |                 |      |      |                  | 18.6 | 17.3 | 17.5             | 19.4 | 17.8 | 17.7             | 19.8 | 18   | 17.7             | 18.3 | 17.9 | 17.5             | 16.2 | 15.7 | 15.7             | 13.6 | 13.2 | 13.3             | 11.6 | 10.8 | 10.6                                                                                | 150 |
| 155                                                                               |                 |      |      |                  | 18   | 16.9 | 17.3             | 18.9 | 17.4 | 17.5             | 19.2 | 17.6 | 17.5             | 17.5 | 17.3 | 17.3             | 15.6 | 15.2 | 15.2             | 13.2 | 12.8 | 12.9             | 11.2 | 10.5 | 10.3                                                                                | 155 |
| 160                                                                               |                 |      |      |                  | 17.5 | 16.6 | 17.1             | 18.4 | 17   | 17.2             | 18.6 | 17.2 | 17.2             | 16.7 | 16.8 | 17               | 14.9 | 14.7 | 14.7             | 12.7 | 12.4 | 12.5             | 10.8 | 10.2 | 10.1                                                                                | 160 |
| 165                                                                               |                 |      |      |                  | 17   | 16.3 | 17.1             | 17.8 | 16.7 | 17.1             | 17.9 | 16.9 | 17               | 15.9 | 16.3 | 16.7             | 14.3 | 14.2 | 14.3             | 12.3 | 12   | 12.1             | 10.5 | 10   | 9.9                                                                                 | 165 |
| 170                                                                               |                 |      |      |                  | 16.6 | 16   |                  | 17.4 | 16.4 | 17               | 16.7 | 16.6 | 16.9             | 15.2 | 15.7 | 16.1             | 13.7 | 13.8 | 13.9             | 11.9 | 11.5 | 11.7             | 10.1 | 9.7  | 9.7                                                                                 | 170 |
| 175                                                                               |                 |      |      |                  | 16.2 | 15.9 |                  | 16.9 | 16.1 | 16.9             | 15.5 | 16.2 | 16.7             | 14.4 | 15   | 15.4             | 13.1 | 13.4 | 13.5             | 11.4 | 11.2 | 11.3             | 9.8  | 9.5  | 9.5                                                                                 | 175 |
| 180                                                                               |                 |      |      |                  | 15.8 | 15.8 |                  | 16.1 | 15.9 | 16.7             | 14.6 | 15.3 | 15.9             | 13.8 | 14.3 | 14.7             | 12.5 | 12.9 | 13               | 11   | 10.8 | 11               | 9.4  | 9.2  | 9.3                                                                                 | 180 |
| 185                                                                               |                 |      |      |                  | 10.9 | 13.1 |                  | 15   | 15.6 |                  | 14   | 14.2 | 14.7             | 13   | 13.6 | 14               | 11.8 | 12.4 | 12.6             | 10.6 | 10.5 | 10.6             | 9.1  | 8.9  | 9.1                                                                                 | 185 |
| 190                                                                               |                 |      |      |                  |      |      |                  | 14.1 | 14.5 |                  | 13.5 | 13.7 | 13.9             | 12.1 | 12.9 | 13.3             | 11.3 | 11.8 | 12.1             | 10.2 | 10.1 | 10.3             | 8.7  | 8.7  | 8.8                                                                                 | 190 |
| 195                                                                               |                 |      |      |                  |      |      |                  | 12.5 | 13.5 |                  | 12.7 | 13.1 | 13.3             | 11.2 | 12   | 12.5             | 10.7 | 11.3 | 11.5             | 9.7  | 9.8  | 10               | 8.4  | 8.4  | 8.5                                                                                 | 195 |
| 200                                                                               |                 |      |      |                  |      |      |                  | 8    | 9.9  |                  | 11.9 | 12.4 |                  | 10.6 | 11   | 11.5             | 10.2 | 10.7 | 11               | 9.3  | 9.5  | 9.7              | 8.2  | 8.1  | 8.3                                                                                 | 200 |
| 205                                                                               |                 |      |      |                  |      |      |                  |      |      |                  | 11   | 11.5 |                  | 10.2 | 10.3 | 10.5             | 9.5  | 10.2 | 10.4             | 8.9  | 9.1  | 9.3              | 7.9  | 7.8  | 8                                                                                   | 205 |
| 210                                                                               |                 |      |      |                  |      |      |                  |      |      |                  | 9.6  | 10.6 |                  | 9.8  | 9.9  |                  | 8.8  | 9.6  | 9.8              | 8.5  | 8.8  | 9                | 7.6  | 7.6  | 7.7                                                                                 | 210 |
| 215                                                                               |                 |      |      |                  |      |      |                  |      |      |                  | 6.1  | 7.6  |                  | 9.4  | 9.5  |                  | 8.2  | 8.9  | 9.1              | 8    | 8.5  | 8.6              | 7.4  | 7.4  | 7.5                                                                                 | 215 |
| 220                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 8.8  | 9.2  |                  | 7.9  | 8.1  |                  | 7.6  | 8.1  | 8.2              | 7.1  | 7.2  | 7.3                                                                                 | 220 |
| 225                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 7.6  | 8.5  |                  | 7.6  | 7.7  |                  | 7.1  | 7.6  | 7.8              | 6.8  | 7    | 7.1                                                                                 | 225 |
| 230                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 7.2  | 7.4  |                  | 6.5  | 7.2  | 7.3              | 6.5  | 6.7  | 6.9                                                                                 | 230 |
| 235                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 7    | 7.1  |                  | 6.3  | 6.6  | 6.7              | 6.2  | 6.5  | 6.7                                                                                 | 235 |
| 240                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 6.2  | 6.9  |                  | 5.8  | 6.2  | 6.4                                                                                 | 240 |
| 245                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 5.2  | 5.4  |                  | 5.8  | 6    | 6.1                                                                                 | 245 |
| 250                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 5.6  | 5.8  |                                                                                     | 250 |
| 255                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 5.1  | 5.6  |                                                                                     | 255 |
| 260                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 4.2  |                                                                                     | 260 |
| 265                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3.6                                                                                 | 265 |
| 270                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3                                                                                   | 270 |

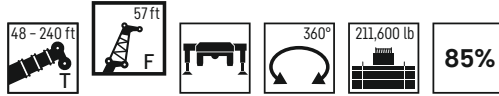
\* adapter - pièce d'adaptateur

t 240\_003\_50101\_00\_000 / 52101\_00\_000 / 54101\_00\_000

# Lifting capacities

## Forces de levage

# TF 57 ft



|  | 48 ÷ 6 ft 7 in* |      |      | 144 ÷ 6 ft 7 in* |      |      | 160 ÷ 6 ft 7 in* |      |      | 176 ÷ 6 ft 7 in* |      |      | 192 ÷ 6 ft 7 in* |      |      | 208 ÷ 6 ft 7 in* |      |      | 224 ÷ 6 ft 7 in* |      |      | 240 ÷ 6 ft 7 in* |      |      |  |
|-----------------------------------------------------------------------------------|-----------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   | 0°              | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  |                                                                                     |
| 13                                                                                | 45.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 13   |                                                                                     |
| 14                                                                                | 45.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 14   |                                                                                     |
| 15                                                                                | 45.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 15   |                                                                                     |
| 16                                                                                | 45.2            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 16   |                                                                                     |
| 17                                                                                | 44.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 17   |                                                                                     |
| 18                                                                                | 43.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 18   |                                                                                     |
| 19                                                                                | 43              |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 19   |                                                                                     |
| 20                                                                                | 42.2            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 20   |                                                                                     |
| 22                                                                                | 40.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 22   |                                                                                     |
| 24                                                                                | 39              |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 24   |                                                                                     |
| 26                                                                                | 37.5            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 26   |                                                                                     |
| 28                                                                                | 36.1            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 28   |                                                                                     |
| 30                                                                                | 34.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 30   |                                                                                     |
| 32                                                                                | 33.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 32   |                                                                                     |
| 34                                                                                | 32.3            | 27   |      | 45               |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 34   |                                                                                     |
| 36                                                                                | 31.2            | 27   |      | 44.3             |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 36   |                                                                                     |
| 38                                                                                | 30              | 27   |      | 43.4             |      |      | 40.4             |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 38   |                                                                                     |
| 40                                                                                | 28.9            | 26.9 |      | 42.5             |      |      | 39.9             |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 40   |                                                                                     |
| 45                                                                                | 26.3            | 25.4 |      | 40.3             |      |      | 38.5             |      |      | 35               |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      | 45   |                                                                                     |
| 50                                                                                | 24.1            | 23.4 | 21.6 | 38.2             |      |      | 36.8             |      |      | 34.2             |      |      | 29.9             |      |      | 24.4             |      |      |                  |      |      |                  |      | 50   |                                                                                     |
| 55                                                                                | 22.3            | 21.7 | 20.5 | 36.3             | 27   |      | 35.2             |      |      | 33.1             |      |      | 29.4             |      |      | 24.3             |      |      | 19.6             |      |      |                  |      | 55   |                                                                                     |
| 60                                                                                | 20.6            | 20.2 | 19.4 | 34.6             | 27   |      | 33.7             | 27   |      | 31.9             |      |      | 28.9             |      |      | 24.1             |      |      | 19.5             |      |      | 15.5             |      | 60   |                                                                                     |
| 65                                                                                | 19.1            | 18.8 | 18.3 | 32.9             | 26.7 |      | 32.3             | 26.5 |      | 30.8             | 25.7 |      | 28.3             |      |      | 23.9             |      |      | 19.4             |      |      | 15.4             |      | 65   |                                                                                     |
| 70                                                                                | 17.8            | 17.6 | 17.2 | 31.3             | 25.7 | 21.4 | 30.9             | 25.5 |      | 29.7             | 24.7 |      | 27.6             | 23.3 |      | 23.7             |      |      | 19.3             |      |      | 15.3             |      | 70   |                                                                                     |
| 75                                                                                | 16.7            | 16.6 | 16.3 | 29.8             | 24.7 | 20.8 | 29.7             | 24.5 | 20.6 | 28.6             | 23.9 |      | 26.8             | 22.6 |      | 23.5             | 20.9 |      | 19               |      |      | 15.1             |      | 75   |                                                                                     |
| 80                                                                                | 15.7            | 15.7 | 15.5 | 28.3             | 23.7 | 20.2 | 28.4             | 23.6 | 20.1 | 27.6             | 23   | 19.8 | 25.9             | 22   |      | 23.2             | 20.3 |      | 18.8             | 14.5 |      | 14.8             |      | 80   |                                                                                     |
| 85                                                                                | 14.7            | 14.9 | 14.8 | 26.9             | 22.8 | 19.7 | 27.2             | 22.7 | 19.6 | 26.5             | 22.3 | 19.4 | 25.1             | 21.3 | 18.8 | 22.7             | 19.8 |      | 18.4             | 17.9 |      | 14.6             |      | 85   |                                                                                     |
| 90                                                                                | 14              | 14.1 | 14.2 | 25.7             | 21.9 | 19.2 | 25.9             | 21.9 | 19.2 | 25.5             | 21.5 | 18.9 | 24.2             | 20.7 | 18.4 | 22               | 19.3 | 17.4 | 18.1             | 17.4 |      | 14.2             | 13.1 | 90   |                                                                                     |
| 95                                                                                | 13.3            | 13.5 | 13.8 | 24.5             | 21.1 | 18.6 | 24.8             | 21.2 | 18.7 | 24.6             | 20.9 | 18.4 | 23.5             | 20.1 | 17.9 | 21.4             | 18.8 | 17.1 | 17.6             | 16.9 | 12.4 | 13.8             | 12.8 |      | 95                                                                                  |
| 100                                                                               | 12.7            | 13   | 4.5  |                  | 23.4 | 20.3 | 18.1             | 23.8 | 20.5 | 18.2             | 23.6 | 20.2 | 18               | 22.7 | 19.5 | 17.5             | 20.7 | 18.4 | 16.7             | 17.1 | 16.5 | 15.7             | 13.4 | 12.4 | 100                                                                                 |
| 105                                                                               | 12.4            |      |      | 22.4             | 19.6 | 17.6 | 22.9             | 19.8 | 17.7 | 22.8             | 19.6 | 17.5 | 22               | 19   | 17.1 | 20.1             | 17.9 | 16.4 | 16.6             | 16   | 15.4 | 13.1             | 12   | 11.5 | 105                                                                                 |
| 110                                                                               |                 |      |      | 21.5             | 19   | 17.2 | 22               | 19.2 | 17.3 | 22               | 19   | 17.1 | 21.3             | 18.5 | 16.8 | 19.4             | 17.5 | 16.1 | 16.1             | 15.5 | 15.1 | 12.7             | 11.7 | 11.2 | 110                                                                                 |
| 115                                                                               |                 |      |      | 20.7             | 18.3 | 16.7 | 21.2             | 18.6 | 16.9 | 21.2             | 18.5 | 16.8 | 20.6             | 18   | 16.4 | 18.8             | 17.1 | 15.8 | 15.6             | 15.1 | 14.8 | 12.3             | 11.4 | 10.9 | 115                                                                                 |
| 120                                                                               |                 |      |      | 19.8             | 17.7 | 16.3 | 20.4             | 18   | 16.5 | 20.5             | 18   | 16.4 | 20               | 17.6 | 16.1 | 18.1             | 16.7 | 15.5 | 15.1             | 14.6 | 14.4 | 12               | 11.1 | 10.6 | 120                                                                                 |
| 125                                                                               |                 |      |      | 19               | 17.2 | 15.9 | 19.7             | 17.5 | 16.1 | 19.8             | 17.5 | 16.1 | 19.4             | 17.1 | 15.8 | 17.5             | 16.4 | 15.2 | 14.6             | 14.2 | 14   | 11.7             | 10.7 | 10.3 | 125                                                                                 |
| 130                                                                               |                 |      |      | 18.4             | 16.7 | 15.6 | 19               | 17   | 15.8 | 19.2             | 17.1 | 15.7 | 18.8             | 16.7 | 15.5 | 16.9             | 16   | 15   | 14.1             | 13.8 | 13.6 | 11.3             | 10.5 | 10.1 | 130                                                                                 |
| 135                                                                               |                 |      |      | 17.7             | 16.2 | 15.2 | 18.3             | 16.5 | 15.4 | 18.6             | 16.6 | 15.4 | 18.3             | 16.3 | 15.2 | 16.4             | 15.6 | 14.7 | 13.7             | 13.4 | 13.2 | 11               | 10.2 | 9.8  | 135                                                                                 |
| 140                                                                               |                 |      |      | 17               | 15.8 | 15   | 17.7             | 16.1 | 15.1 | 18               | 16.2 | 15.1 | 17.7             | 15.9 | 14.9 | 15.8             | 15.2 | 14.5 | 13.2             | 13   | 12.9 | 10.7             | 9.9  | 9.6  | 140                                                                                 |
| 145                                                                               |                 |      |      | 16.5             | 15.4 | 14.7 | 17.2             | 15.7 | 14.9 | 17.4             | 15.8 | 14.9 | 17.3             | 15.6 | 14.7 | 15.3             | 14.8 | 14.3 | 12.7             | 12.6 | 12.6 | 10.4             | 9.6  | 9.4  | 145                                                                                 |
| 150                                                                               |                 |      |      | 16               | 15   | 14.4 | 16.6             | 15.3 | 14.6 | 16.8             | 15.4 | 14.6 | 16.8             | 15.3 | 14.4 | 14.8             | 14.4 | 14.1 | 12.3             | 12.2 | 12.2 | 10.1             | 9.4  | 9.1  | 150                                                                                 |
| 155                                                                               |                 |      |      | 15.4             | 14.6 | 14.2 | 16.1             | 15   | 14.4 | 16.4             | 15.1 | 14.4 | 16.3             | 14.9 | 14.2 | 14.3             | 14   | 13.9 | 11.9             | 11.8 | 11.9 | 9.8              | 9.1  | 8.9  | 155                                                                                 |
| 160                                                                               |                 |      |      | 14.9             | 14.2 | 14   | 15.6             | 14.6 | 14.2 | 16               | 14.8 | 14.2 | 15.9             | 14.6 | 14.1 | 13.9             | 13.6 | 13.6 | 11.5             | 11.4 | 11.5 | 9.5              | 8.9  | 8.7  | 160                                                                                 |
| 165                                                                               |                 |      |      | 14.5             | 13.9 | 13.9 | 15.2             | 14.3 | 14   | 15.5             | 14.5 | 14   | 15.3             | 14.4 | 13.9 | 13.4             | 13.1 | 13.2 | 11.1             | 11   | 11.2 | 9.3              | 8.7  | 8.5  | 165                                                                                 |
| 170                                                                               |                 |      |      | 14.1             | 13.6 | 13.8 | 14.8             | 14   | 13.8 | 15.1             | 14.2 | 13.8 | 14.7             | 14.1 | 13.7 | 12.9             | 12.7 | 12.8 | 10.7             | 10.7 | 10.8 | 9                | 8.5  | 8.3  | 170                                                                                 |
| 175                                                                               |                 |      |      | 13.7             | 13.4 | 13.7 | 14.4             | 13.7 | 13.7 | 14.7             | 13.9 | 13.7 | 14               | 13.8 | 13.5 | 12.5             | 12.3 | 12.4 | 10.4             | 10.3 | 10.5 | 8.7              | 8.3  | 8.2  | 175                                                                                 |
| 180                                                                               |                 |      |      | 13.3             | 13.1 |      | 14               | 13.5 | 13.6 | 14.3             | 13.7 | 13.6 | 13.4             | 13.5 | 13.4 | 12               | 12   | 12.1 | 10               | 10   | 10.1 | 8.5              | 8.1  | 8    | 180                                                                                 |
| 185                                                                               |                 |      |      | 13               | 13   |      | 13.6             | 13.2 | 13.6 | 13.8             | 13.4 | 13.5 | 12.7             | 13   | 13.3 | 11.5             | 11.6 | 11.7 | 9.7              | 9.6  | 9.8  | 8.2              | 7.9  | 7.8  | 185                                                                                 |
| 190                                                                               |                 |      |      | 12.7             | 12.9 |      | 13.3             | 13.1 | 13.5 | 12.8             | 13.2 | 13.4 | 12.1             | 12.6 | 13.2 | 11               | 11.2 | 11.4 | 9.3              | 9.3  | 9.5  | 7.9              | 7.7  | 7.7  | 190                                                                                 |
| 195                                                                               |                 |      |      | 10.9             | 12.8 |      | 13               | 12.9 |      | 12.3             | 12.9 | 13.2 | 11.5             | 12.1 | 12.6 | 10.5             | 10.8 | 11   | 9                | 9    | 9.2  | 7.6              | 7.5  | 7.5  | 195                                                                                 |
| 200                                                                               |                 |      |      |                  |      |      | 12.6             | 12.7 |      | 11.8             | 12   | 12.3 | 10.6             | 11.6 | 11.9 | 10               | 10.4 | 10.7 | 8.7              | 8.7  | 8.9  | 7.4              | 7.3  | 7.4  | 200                                                                                 |
| 205                                                                               |                 |      |      |                  |      |      | 11.6             | 12.4 |      | 11.3             | 11.6 | 11.8 | 9.8              | 10.9 | 11.3 | 9.5              | 9.9  | 10.2 | 8.4              | 8.4  | 8.6  | 7.1              | 7.1  | 7.2  | 205                                                                                 |
| 210                                                                               |                 |      |      |                  |      |      | 7.9              | 10.3 |      | 10.6             | 11.1 |      | 9.2              | 10.1 | 10.4 | 9                | 9.5  | 9.8  | 8.1              | 8.1  | 8.3  | 6.9              | 7    | 7.1  | 210                                                                                 |
| 215                                                                               |                 |      |      |                  |      |      |                  |      |      | 9.8              | 10.5 |      | 8.8              | 9.3  | 9.5  | 8.5              | 9    | 9.2  | 7.8              | 7.9  | 8.1  | 6.7              | 6.8  | 6.9  | 215                                                                                 |
| 220                                                                               |                 |      |      |                  |      |      |                  |      |      | 8.8              | 9.7  |      | 8.4              | 8.7  | 8.8  | 7.8              | 8.5  | 8.7  | 7.4              | 7.6  | 7.8  | 6.5              | 6.6  | 6.8  | 220                                                                                 |
| 225                                                                               |                 |      |      |                  |      |      |                  |      |      | 5.9              | 7.8  |      | 8.1              | 8.3  |      | 7.2              | 7.9  | 8.1  | 7.1              | 7.3  | 7.5  | 6.3              | 6.4  | 6.5  | 225                                                                                 |
| 230                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 7.7              | 8    |      | 6.8              | 7.2  | 7.4  | 6.8              | 7    | 7.2  | 6.1              | 6.2  | 6.4  | 230                                                                                 |
| 235                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 7                | 7.6  |      | 6.6              | 6.7  |      | 6.4              | 6.7  | 6.9  | 5.8              | 6    | 6.2  | 235                                                                                 |
| 240                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 5                | 6.2  |      | 6.3              | 6.5  |      | 5.8              | 6.4  | 6.5  | 5.6              | 5.8  | 6    | 240                                                                                 |
| 245                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 3.9              |      |      | 6.1              | 6.2  |      | 5.4              | 5.9  | 6    | 5.3              | 5.6  | 5.8  | 245                                                                                 |
| 250                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 5.7              | 6    |      | 5.2              | 5.3  |      | 5.1              | 5.3  | 5.5  | 250                                                                                 |
| 255                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 4.6              | 5.1  |      | 5.1              | 5.2  |      | 4.6              | 5.1  | 5.2  | 255                                                                                 |
| 260                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  | 2.7  |      | 4.9              | 5    |      | 4                | 4.7  | 4.8  | 260                                                                                 |
| 265                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 4.6              | 4.8  |      | 3.4              | 4    |      | 265                                                                                 |
| 270                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 2.6              | 4    |      | 2.9              | 3.4  |      | 270                                                                                 |
| 275                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 2.4</            |      |      |                                                                                     |

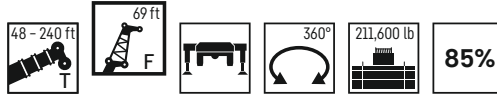
\* adapter - pièce d'adaptateur

t 240\_003,50201\_00\_000 / 52201\_00\_000 / 54201\_00\_000

# Lifting capacities

## Forces de levage

# TF 69 ft



|  | 48 + 6 ft 7 in* |      |      | 144 + 6 ft 7 in* |      |      | 160 + 6 ft 7 in* |      |      | 176 + 6 ft 7 in* |      |      | 192 + 6 ft 7 in* |      |      | 208 + 6 ft 7 in* |      |      | 224 + 6 ft 7 in* |      |      | 240 + 6 ft 7 in* |      |     |  |
|-----------------------------------------------------------------------------------|-----------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°              | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40° |                                                                                     |
| 16                                                                                | 38.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 16                                                                                  |
| 17                                                                                | 38.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 17                                                                                  |
| 18                                                                                | 38.3            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 18                                                                                  |
| 19                                                                                | 37.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 19                                                                                  |
| 20                                                                                | 37.3            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 20                                                                                  |
| 22                                                                                | 36.1            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 22                                                                                  |
| 24                                                                                | 34.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 24                                                                                  |
| 26                                                                                | 33.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 26                                                                                  |
| 28                                                                                | 32.4            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 28                                                                                  |
| 30                                                                                | 31.3            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 30                                                                                  |
| 32                                                                                | 30.3            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 32                                                                                  |
| 34                                                                                | 29.3            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 34                                                                                  |
| 36                                                                                | 28.3            |      |      |                  | 38.1 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 36                                                                                  |
| 38                                                                                | 27.3            |      |      |                  | 37.6 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 38                                                                                  |
| 40                                                                                | 26.4            | 23.8 |      |                  | 36.9 |      |                  | 34.5 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 40                                                                                  |
| 45                                                                                | 24.2            | 22.8 |      |                  | 35.2 |      |                  | 33.4 |      |                  | 30.3 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |     | 45                                                                                  |
| 50                                                                                | 22.2            | 21.4 |      |                  | 33.4 |      |                  | 32.1 |      |                  | 29.6 |      |                  | 25.4 |      |                  |      |      |                  |      |      |                  |      |     | 50                                                                                  |
| 55                                                                                | 20.5            | 19.9 |      |                  | 31.8 |      |                  | 30.7 |      |                  | 28.8 |      |                  | 25.1 |      | 21.3             |      |      |                  |      |      |                  |      |     | 55                                                                                  |
| 60                                                                                | 18.9            | 18.5 | 17   |                  | 30.3 | 23.7 |                  | 29.4 |      |                  | 27.8 |      |                  | 24.8 |      | 21.1             |      |      | 17.5             |      |      |                  |      |     | 60                                                                                  |
| 65                                                                                | 17.6            | 17.3 | 16.1 |                  | 28.9 | 23   |                  | 28.2 | 22.6 |                  | 26.8 |      |                  | 24.4 |      | 20.9             |      |      | 17.2             |      |      | 13.6             |      |     | 65                                                                                  |
| 70                                                                                | 16.3            | 16.1 | 15.3 |                  | 27.5 | 22.2 |                  | 27.1 | 22   |                  | 25.9 | 21.4 |                  | 24   |      | 20.7             |      |      | 17               |      |      | 13.4             |      |     | 70                                                                                  |
| 75                                                                                | 15.3            | 15.2 | 14.6 |                  | 26.3 | 21.4 |                  | 26   | 21.2 |                  | 25   | 20.7 |                  | 23.5 | 19.5 | 20.4             |      |      | 16.7             |      |      | 13.1             |      |     | 75                                                                                  |
| 80                                                                                | 14.3            | 14.3 | 13.9 | 25               | 20.6 | 16.9 | 24.9             | 20.5 |      | 24.1             | 20   |      | 22.9             | 19   |      | 20.1             |      |      | 16.5             |      |      | 12.9             |      |     | 80                                                                                  |
| 85                                                                                | 13.4            | 13.5 | 13.3 | 23.8             | 19.8 | 16.4 | 23.9             | 19.8 | 16.3 | 23.2             | 19.3 |      | 22.2             | 18.5 |      | 19.7             | 17.1 |      | 16.3             |      |      | 12.8             |      |     | 85                                                                                  |
| 90                                                                                | 12.7            | 12.7 | 12.6 | 22.7             | 19   | 15.9 | 22.9             | 19   | 15.9 | 22.4             | 18.7 | 15.7 | 21.5             | 17.9 |      | 19.3             | 16.8 |      | 16.1             | 15.1 |      | 12.6             |      |     | 90                                                                                  |
| 95                                                                                | 12              | 12.1 | 12.1 | 21.7             | 18.3 | 15.5 | 21.9             | 18.4 | 15.5 | 21.6             | 18.1 | 15.4 | 20.8             | 17.4 | 15   | 18.9             | 16.3 |      | 15.9             | 14.8 |      | 12.3             | 11.3 |     | 95                                                                                  |
| 100                                                                               | 11.4            | 11.5 | 11.6 | 20.7             | 17.7 | 15.2 | 20.9             | 17.8 | 15.2 | 20.8             | 17.5 | 15   | 20.2             | 16.9 | 14.7 | 18.4             | 15.9 | 14.2 | 15.5             | 14.6 |      | 12               | 11   |     | 100                                                                                 |
| 105                                                                               | 10.8            | 11   | 11.2 | 19.7             | 17   | 14.8 | 20.1             | 17.2 | 14.9 | 20               | 17   | 14.8 | 19.5             | 16.4 | 14.4 | 18               | 15.5 | 13.9 | 15.1             | 14.2 |      | 11.7             | 10.7 |     | 105                                                                                 |
| 110                                                                               | 10.4            | 10.6 | 10.4 | 18.9             | 16.4 | 14.5 | 19.3             | 16.6 | 14.5 | 19.2             | 16.5 | 14.5 | 18.9             | 16   | 14.2 | 17.5             | 15.1 | 13.7 | 14.7             | 13.9 | 12.9 | 11.3             | 10.3 |     | 110                                                                                 |
| 115                                                                               | 10.1            | 10.5 |      | 18.2             | 15.9 | 14.2 | 18.6             | 16.1 | 14.2 | 18.6             | 16   | 14.2 | 18.3             | 15.5 | 13.9 | 17               | 14.8 | 13.4 | 14.4             | 13.6 | 12.6 | 11               | 10   | 9.6 | 115                                                                                 |
| 120                                                                               |                 |      |      | 17.5             | 15.4 | 13.9 | 17.9             | 15.6 | 13.9 | 18               | 15.5 | 13.9 | 17.7             | 15.1 | 13.6 | 16.6             | 14.4 | 13.1 | 13.9             | 13.3 | 12.4 | 10.7             | 9.8  | 9.3 | 120                                                                                 |
| 125                                                                               |                 |      |      | 16.7             | 14.9 | 13.5 | 17.2             | 15.1 | 13.6 | 17.4             | 15.1 | 13.6 | 17.2             | 14.7 | 13.4 | 16.1             | 14.1 | 12.8 | 13.5             | 12.9 | 12.2 | 10.3             | 9.5  | 9   | 125                                                                                 |
| 130                                                                               |                 |      |      | 16               | 14.4 | 13.2 | 16.6             | 14.7 | 13.3 | 16.8             | 14.7 | 13.3 | 16.7             | 14.3 | 13.1 | 15.6             | 13.8 | 12.6 | 13.1             | 12.6 | 12   | 10               | 9.2  | 8.8 | 130                                                                                 |
| 135                                                                               |                 |      |      | 15.5             | 14   | 12.9 | 16               | 14.3 | 13   | 16.2             | 14.3 | 13   | 16.2             | 14   | 12.8 | 15.1             | 13.4 | 12.4 | 12.6             | 12.2 | 11.8 | 9.8              | 8.9  | 8.6 | 135                                                                                 |
| 140                                                                               |                 |      |      | 14.9             | 13.6 | 12.6 | 15.4             | 13.8 | 12.8 | 15.8             | 13.9 | 12.8 | 15.7             | 13.7 | 12.6 | 14.7             | 13.1 | 12.2 | 12.2             | 11.9 | 11.6 | 9.5              | 8.7  | 8.4 | 140                                                                                 |
| 145                                                                               |                 |      |      | 14.4             | 13.2 | 12.4 | 14.9             | 13.4 | 12.5 | 15.3             | 13.5 | 12.5 | 15.3             | 13.3 | 12.4 | 14.2             | 12.9 | 12   | 11.8             | 11.5 | 11.3 | 9.2              | 8.5  | 8.2 | 145                                                                                 |
| 150                                                                               |                 |      |      | 13.9             | 12.8 | 12.1 | 14.4             | 13.1 | 12.3 | 14.8             | 13.2 | 12.3 | 14.9             | 13   | 12.1 | 13.7             | 12.6 | 11.8 | 11.4             | 11.2 | 11   | 8.9              | 8.2  | 7.9 | 150                                                                                 |
| 155                                                                               |                 |      |      | 13.4             | 12.5 | 11.9 | 14               | 12.8 | 12.1 | 14.4             | 12.9 | 12.1 | 14.5             | 12.7 | 11.9 | 13.2             | 12.4 | 11.7 | 11               | 10.8 | 10.8 | 8.6              | 8    | 7.8 | 155                                                                                 |
| 160                                                                               |                 |      |      | 13               | 12.2 | 11.7 | 13.5             | 12.5 | 11.9 | 14               | 12.6 | 11.9 | 14.1             | 12.5 | 11.7 | 12.8             | 12.1 | 11.5 | 10.6             | 10.5 | 10.5 | 8.4              | 7.8  | 7.6 | 160                                                                                 |
| 165                                                                               |                 |      |      | 12.6             | 11.9 | 11.5 | 13.1             | 12.2 | 11.7 | 13.6             | 12.3 | 11.7 | 13.7             | 12.2 | 11.6 | 12.4             | 11.8 | 11.3 | 10.3             | 10.2 | 10.2 | 8.2              | 7.6  | 7.4 | 165                                                                                 |
| 170                                                                               |                 |      |      | 12.2             | 11.6 | 11.4 | 12.7             | 11.9 | 11.5 | 13.2             | 12   | 11.5 | 13.3             | 11.9 | 11.4 | 12               | 11.6 | 11.2 | 9.9              | 9.8  | 9.9  | 7.9              | 7.4  | 7.3 | 170                                                                                 |
| 175                                                                               |                 |      |      | 11.8             | 11.3 | 11.3 | 12.4             | 11.6 | 11.3 | 12.8             | 11.8 | 11.4 | 12.9             | 11.7 | 11.3 | 11.6             | 11.3 | 11.1 | 9.6              | 9.5  | 9.7  | 7.7              | 7.2  | 7.1 | 175                                                                                 |
| 180                                                                               |                 |      |      | 11.5             | 11.1 | 11.2 | 12               | 11.4 | 11.2 | 12.5             | 11.5 | 11.3 | 12.6             | 11.5 | 11.1 | 11.2             | 11   | 10.9 | 9.2              | 9.2  | 9.4  | 7.5              | 7.1  | 7   | 180                                                                                 |
| 185                                                                               |                 |      |      | 11.2             | 10.9 | 11.2 | 11.7             | 11.2 | 11.1 | 12.2             | 11.3 | 11.1 | 12.2             | 11.3 | 11   | 10.8             | 10.7 | 10.7 | 8.9              | 8.9  | 9.1  | 7.3              | 6.9  | 6.8 | 185                                                                                 |
| 190                                                                               |                 |      |      | 10.9             | 10.7 | 11.2 | 11.4             | 11   | 11.1 | 11.8             | 11.1 | 11   | 11.8             | 11.1 | 10.9 | 10.4             | 10.4 | 10.5 | 8.6              | 8.6  | 8.8  | 7.1              | 6.8  | 6.7 | 190                                                                                 |
| 195                                                                               |                 |      |      | 10.6             | 10.6 |      | 11.1             | 10.8 | 11   | 11.5             | 10.9 | 11   | 11.4             | 10.9 | 10.8 | 10               | 10.1 | 10.2 | 8.3              | 8.3  | 8.5  | 6.9              | 6.7  | 6.6 | 195                                                                                 |
| 200                                                                               |                 |      |      | 10.3             | 10.5 |      | 10.8             | 10.6 | 11   | 11.2             | 10.7 | 10.9 | 10.8             | 10.7 | 10.7 | 9.5              | 9.7  | 9.9  | 8                | 8    | 8.2  | 6.7              | 6.5  | 6.5 | 200                                                                                 |
| 205                                                                               |                 |      |      | 10.1             | 10.5 |      | 10.6             | 10.5 |      | 10.9             | 10.6 | 10.9 | 10.4             | 10.5 | 10.6 | 9.1              | 9.4  | 9.7  | 7.8              | 7.8  | 7.9  | 6.6              | 6.4  | 6.4 | 205                                                                                 |
| 210                                                                               |                 |      |      |                  |      |      | 10.4             | 10.4 |      | 10.5             | 10.4 | 10.9 | 9.6              | 10.3 | 10.4 | 8.7              | 9    | 9.4  | 7.5              | 7.5  | 7.7  | 6.4              | 6.2  | 6.3 | 210                                                                                 |
| 215                                                                               |                 |      |      |                  |      |      | 10.2             | 10.3 |      | 10.1             | 10.1 | 10.5 | 8.9              | 9.8  | 10.1 | 8.3              | 8.7  | 9.1  | 7.3              | 7.3  | 7.4  | 6.2              | 6.1  | 6.2 | 215                                                                                 |
| 220                                                                               |                 |      |      |                  |      |      | 7.6              | 10.1 |      | 9.6              | 9.8  |      | 8.1              | 9.1  | 9.5  | 7.9              | 8.3  | 8.7  | 7                | 7.1  | 7.2  | 6                | 6    | 6.1 | 220                                                                                 |
| 225                                                                               |                 |      |      |                  |      |      | 3.6              |      |      | 8.9              | 9.5  |      | 7.7              | 8.3  | 8.6  | 7.5              | 7.9  | 8.2  | 6.7              | 6.9  | 7    | 5.8              | 5.9  | 6   | 225                                                                                 |
| 230                                                                               |                 |      |      |                  |      |      |                  |      |      | 8.3              | 8.7  |      | 7.4              | 7.6  | 7.7  | 6.9              | 7.5  | 7.7  | 6.4              | 6.7  | 6.8  | 5.7              | 5.7  | 5.9 | 230                                                                                 |
| 235                                                                               |                 |      |      |                  |      |      |                  |      |      | 5.9              | 7.8  |      | 7.1              | 7.3  |      | 6.4              | 7.1  | 7.3  | 6.1              | 6.5  | 6.6  | 5.5              | 5.6  | 5.7 | 235                                                                                 |
| 240                                                                               |                 |      |      |                  |      |      |                  |      |      | 2.2              | 3.7  |      | 6.9              | 7    |      | 6                | 6.5  | 6.7  | 5.8              | 6.3  | 6.4  | 5.2              | 5.4  | 5.5 | 240                                                                                 |
| 245                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 6.6              | 6.8  |      | 5.8              | 6    | 6.1  | 5.4              | 6    | 6.1  | 5                | 5.2  | 5.4 | 245                                                                                 |
| 250                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 4.4              | 6.2  |      | 5.5              | 5.7  |      | 4.9              | 5.6  | 5.8  | 4.7              | 5.1  | 5.2 | 250                                                                                 |
| 255                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 4.1              | 4.3  |      | 5.3              | 5.5  |      | 4.7              | 5.1  | 5.4  | 4.5              | 4.9  | 5   | 255                                                                                 |
| 260                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 5.1              | 5.3  |      | 4.5              | 4.6  |      | 4.2              | 4.6  | 4.8 | 260                                                                                 |
| 265                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3.9              | 4.9  |      | 4.3              | 4.5  |      | 3.7              | 4.3  | 4.5 | 265                                                                                 |
| 270                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3.3              |      |      | 4.2              | 4.3  |     | 270                                                                                 |
| 275                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 4                | 4.1  |     | 275                                                                                 |
| 280                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 2.2              | 3.8  |     | 280                                                                                 |

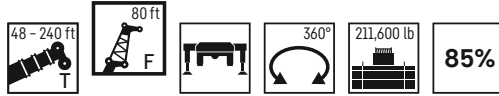
\* adapter - pièce d'adaptateur

t 240,003,50301,00,000 / 52301,00,000 / 54301,00,000

# Lifting capacities

## Forces de levage

# TF 80 ft



|  | 48 + 6 ft 7 in* |      |      | 144 + 6 ft 7 in* |      |      | 160 + 6 ft 7 in* |      |      | 176 + 6 ft 7 in* |      |      | 192 + 6 ft 7 in* |      |      | 208 + 6 ft 7 in* |      |      | 224 + 6 ft 7 in* |      |      | 240 + 6 ft 7 in* |     |     |  |
|-----------------------------------------------------------------------------------|-----------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | F 80 ft         |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     |                                                                                     |
|                                                                                   | 0°              | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20°  | 40°  | 0°               | 20° | 40° |                                                                                     |
| 18                                                                                | 31.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 18                                                                                  |
| 19                                                                                | 31.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 19                                                                                  |
| 20                                                                                | 31.5            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 20                                                                                  |
| 22                                                                                | 30.7            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 22                                                                                  |
| 24                                                                                | 29.8            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 24                                                                                  |
| 26                                                                                | 29              |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 26                                                                                  |
| 28                                                                                | 28.2            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 28                                                                                  |
| 30                                                                                | 27.4            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 30                                                                                  |
| 32                                                                                | 26.6            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 32                                                                                  |
| 34                                                                                | 25.9            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 34                                                                                  |
| 36                                                                                | 25.1            |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 36                                                                                  |
| 38                                                                                | 24.4            |      |      |                  | 31.3 |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 38                                                                                  |
| 40                                                                                | 23.6            |      |      |                  | 30.9 |      |                  | 27   |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 40                                                                                  |
| 45                                                                                | 21.9            |      |      |                  | 29.6 |      |                  | 28.4 |      | 26.1             |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 45                                                                                  |
| 50                                                                                | 20.3            | 18.2 |      |                  | 28.4 |      |                  | 27.3 |      | 25.6             |      |      | 22.2             |      |      |                  |      |      |                  |      |      |                  |     |     | 50                                                                                  |
| 55                                                                                | 18.8            | 17.2 |      |                  | 27.2 |      |                  | 26.4 |      | 25.1             |      |      | 22               |      |      |                  |      |      |                  |      |      |                  |     |     | 55                                                                                  |
| 60                                                                                | 17.5            | 16.3 |      |                  | 26.1 |      |                  | 25.8 |      | 24.5             |      |      | 21.7             |      |      | 18.5             |      |      |                  |      |      |                  |     |     | 60                                                                                  |
| 65                                                                                | 16.2            | 15.5 |      |                  | 25   |      |                  | 24.9 |      | 23.8             |      |      | 21.3             |      |      | 18.3             |      |      | 15               |      |      |                  |     |     | 65                                                                                  |
| 70                                                                                | 15.1            | 14.7 | 13.1 | 23.9             | 18.2 |      | 24               | 17.9 |      | 23               |      |      | 20.9             |      |      | 18.1             |      |      | 14.7             |      |      | 11.4             |     |     | 70                                                                                  |
| 75                                                                                | 14              | 13.9 | 12.6 | 22.9             | 17.6 |      | 23.1             | 17.5 |      | 22.3             |      |      | 20.5             |      |      | 17.8             |      |      | 14.4             |      |      | 11.2             |     |     | 75                                                                                  |
| 80                                                                                | 13.1            | 13   | 12.1 | 21.9             | 17.1 |      | 22.2             | 17   |      | 21.6             | 16.6 |      | 19.9             |      |      | 17.5             |      |      | 14.2             |      |      | 11               |     |     | 80                                                                                  |
| 85                                                                                | 12.3            | 12.3 | 11.7 | 21               | 16.6 |      | 21.4             | 16.5 |      | 20.9             | 16.2 |      | 19.4             | 15.6 |      | 17.2             |      |      | 14               |      |      | 10.9             |     |     | 85                                                                                  |
| 90                                                                                | 11.5            | 11.6 | 11.2 | 20.1             | 16.1 | 13.1 | 20.6             | 16.1 |      | 20.2             | 15.8 |      | 18.9             | 15.3 |      | 16.8             | 14.2 |      | 13.9             |      |      | 10.7             |     |     | 90                                                                                  |
| 95                                                                                | 10.9            | 11   | 10.8 | 19.2             | 15.7 | 12.8 | 19.8             | 15.7 | 12.8 | 19.5             | 15.4 |      | 18.3             | 14.9 |      | 16.5             | 13.9 |      | 13.7             | 10.4 |      | 10.6             |     |     | 95                                                                                  |
| 100                                                                               | 10.3            | 10.4 | 10.3 | 18.4             | 15.2 | 12.5 | 18.9             | 15.3 | 12.5 | 18.8             | 15.1 | 12.5 | 17.8             | 14.6 |      | 16.1             | 13.6 |      | 13.5             | 12.4 |      | 10.5             |     |     | 100                                                                                 |
| 105                                                                               | 9.7             | 9.9  | 9.9  | 17.6             | 14.8 | 12.3 | 18.2             | 14.8 | 12.3 | 18.1             | 14.7 | 12.2 | 17.2             | 14.2 | 12.1 | 15.7             | 13.3 |      | 13.3             | 12.2 |      | 10.3             | 9.4 |     | 105                                                                                 |
| 110                                                                               | 9.2             | 9.4  | 9.5  | 16.8             | 14.3 | 12   | 17.5             | 14.4 | 12.1 | 17.4             | 14.3 | 12   | 16.7             | 13.8 | 11.8 | 15.4             | 13   | 11.5 | 13.1             | 11.9 |      | 10.1             | 9.1 |     | 110                                                                                 |
| 115                                                                               | 8.8             | 9    | 9.2  | 16.1             | 13.9 | 11.8 | 16.8             | 14   | 11.8 | 16.8             | 13.9 | 11.8 | 16.2             | 13.5 | 11.6 | 15               | 12.8 | 11.2 | 12.9             | 11.7 |      | 9.8              | 8.8 |     | 115                                                                                 |
| 120                                                                               | 8.4             | 8.6  | 9.1  | 15.4             | 13.4 | 11.6 | 16.1             | 13.5 | 11.6 | 16.2             | 13.5 | 11.6 | 15.7             | 13.1 | 11.4 | 14.6             | 12.5 | 11   | 12.7             | 11.5 | 10.5 | 9.5              | 8.6 |     | 120                                                                                 |
| 125                                                                               | 8.2             | 8.4  |      | 14.8             | 12.9 | 11.4 | 15.5             | 13.1 | 11.4 | 15.7             | 13.1 | 11.4 | 15.1             | 12.8 | 11.2 | 14.2             | 12.2 | 10.9 | 12.3             | 11.3 | 10.4 | 9.2              | 8.3 | 7.9 | 125                                                                                 |
| 130                                                                               |                 |      |      | 14.2             | 12.5 | 11.2 | 15               | 12.7 | 11.2 | 15.1             | 12.7 | 11.1 | 14.7             | 12.4 | 11   | 13.8             | 11.9 | 10.7 | 12               | 11   | 10.2 | 8.9              | 8.1 | 7.7 | 130                                                                                 |
| 135                                                                               |                 |      |      | 13.6             | 12.2 | 10.9 | 14.4             | 12.3 | 11   | 14.6             | 12.3 | 10.9 | 14.2             | 12.1 | 10.8 | 13.5             | 11.6 | 10.5 | 11.6             | 10.8 | 10   | 8.6              | 7.8 | 7.5 | 135                                                                                 |
| 140                                                                               |                 |      |      | 13.1             | 11.8 | 10.7 | 13.9             | 12   | 10.8 | 14.1             | 12   | 10.8 | 13.8             | 11.8 | 10.6 | 13.1             | 11.3 | 10.3 | 11.2             | 10.6 | 9.8  | 8.4              | 7.6 | 7.3 | 140                                                                                 |
| 145                                                                               |                 |      |      | 12.6             | 11.4 | 10.5 | 13.4             | 11.7 | 10.6 | 13.7             | 11.7 | 10.6 | 13.4             | 11.5 | 10.4 | 12.7             | 11.1 | 10.1 | 10.8             | 10.3 | 9.7  | 8.1              | 7.4 | 7.1 | 145                                                                                 |
| 150                                                                               |                 |      |      | 12.2             | 11.1 | 10.3 | 12.9             | 11.3 | 10.4 | 13.2             | 11.4 | 10.4 | 13               | 11.2 | 10.2 | 12.4             | 10.8 | 10   | 10.5             | 10   | 9.5  | 7.8              | 7.2 | 7   | 150                                                                                 |
| 155                                                                               |                 |      |      | 11.7             | 10.8 | 10.1 | 12.5             | 11   | 10.2 | 12.8             | 11.1 | 10.2 | 12.6             | 10.9 | 10.1 | 12.1             | 10.6 | 9.8  | 10.1             | 9.8  | 9.4  | 7.6              | 7   | 6.8 | 155                                                                                 |
| 160                                                                               |                 |      |      | 11.3             | 10.5 | 9.9  | 12.1             | 10.7 | 10   | 12.4             | 10.8 | 10   | 12.3             | 10.7 | 9.9  | 11.7             | 10.4 | 9.6  | 9.8              | 9.5  | 9.2  | 7.4              | 6.9 | 6.7 | 160                                                                                 |
| 165                                                                               |                 |      |      | 10.9             | 10.2 | 9.7  | 11.7             | 10.4 | 9.8  | 12               | 10.5 | 9.8  | 11.9             | 10.4 | 9.7  | 11.4             | 10.1 | 9.5  | 9.4              | 9.2  | 9.1  | 7.2              | 6.7 | 6.5 | 165                                                                                 |
| 170                                                                               |                 |      |      | 10.6             | 9.9  | 9.5  | 11.4             | 10.1 | 9.6  | 11.6             | 10.3 | 9.6  | 11.6             | 10.2 | 9.6  | 11.1             | 9.9  | 9.4  | 9.1              | 9    | 8.9  | 7                | 6.5 | 6.4 | 170                                                                                 |
| 175                                                                               |                 |      |      | 10.2             | 9.7  | 9.4  | 11               | 9.9  | 9.5  | 11.3             | 10   | 9.5  | 11.3             | 10   | 9.4  | 10.7             | 9.7  | 9.2  | 8.7              | 8.7  | 8.7  | 6.8              | 6.4 | 6.3 | 175                                                                                 |
| 180                                                                               |                 |      |      | 9.9              | 9.4  | 9.2  | 10.7             | 9.7  | 9.3  | 11               | 9.8  | 9.4  | 11               | 9.7  | 9.3  | 10.3             | 9.6  | 9.1  | 8.4              | 8.4  | 8.5  | 6.6              | 6.2 | 6.1 | 180                                                                                 |
| 185                                                                               |                 |      |      | 9.6              | 9.2  | 9.1  | 10.4             | 9.5  | 9.2  | 10.7             | 9.6  | 9.2  | 10.7             | 9.5  | 9.2  | 10               | 9.4  | 9    | 8.2              | 8.2  | 8.3  | 6.5              | 6.1 | 6   | 185                                                                                 |
| 190                                                                               |                 |      |      | 9.3              | 9    | 9.1  | 10.1             | 9.3  | 9.1  | 10.4             | 9.4  | 9.1  | 10.4             | 9.4  | 9.1  | 9.6              | 9.2  | 8.9  | 7.9              | 7.9  | 8    | 6.3              | 6   | 5.9 | 190                                                                                 |
| 195                                                                               |                 |      |      | 9                | 8.8  | 9.1  | 9.8              | 9.1  | 9    | 10.1             | 9.2  | 9    | 10.2             | 9.2  | 9    | 9.3              | 9    | 8.8  | 7.6              | 7.7  | 7.8  | 6.2              | 5.8 | 5.7 | 195                                                                                 |
| 200                                                                               |                 |      |      | 8.8              | 8.7  | 9.1  | 9.5              | 8.9  | 9    | 9.9              | 9    | 8.9  | 9.9              | 9    | 8.9  | 8.9              | 8.8  | 8.7  | 7.4              | 7.4  | 7.6  | 6                | 5.7 | 5.6 | 200                                                                                 |
| 205                                                                               |                 |      |      | 8.6              | 8.5  |      | 9.3              | 8.7  | 9    | 9.6              | 8.9  | 8.9  | 9.6              | 8.9  | 8.8  | 8.6              | 8.5  | 8.6  | 7.1              | 7.1  | 7.3  | 5.9              | 5.6 | 5.5 | 205                                                                                 |
| 210                                                                               |                 |      |      | 8.4              | 8.5  |      | 9                | 8.6  | 9    | 9.4              | 8.7  | 8.8  | 9.2              | 8.7  | 8.7  | 8.2              | 8.3  | 8.5  | 6.8              | 6.9  | 7.1  | 5.7              | 5.5 | 5.4 | 210                                                                                 |
| 215                                                                               |                 |      |      | 8.2              | 8.4  |      | 8.8              | 8.5  | 9    | 9.1              | 8.6  | 8.8  | 8.9              | 8.6  | 8.7  | 7.9              | 8.1  | 8.3  | 6.6              | 6.7  | 6.9  | 5.6              | 5.3 | 5.3 | 215                                                                                 |
| 220                                                                               |                 |      |      | 5.8              | 7.9  |      | 8.6              | 8.4  |      | 8.8              | 8.5  | 8.8  | 8.4              | 8.4  | 8.7  | 7.5              | 7.8  | 8.1  | 6.4              | 6.5  | 6.7  | 5.5              | 5.2 | 5.2 | 220                                                                                 |
| 225                                                                               |                 |      |      |                  |      |      | 8.4              | 8.4  |      | 8.6              | 8.4  | 8.8  | 7.7              | 8.2  | 8.6  | 7.2              | 7.5  | 7.8  | 6.2              | 6.3  | 6.5  | 5.3              | 5.1 | 5.2 | 225                                                                                 |
| 230                                                                               |                 |      |      |                  |      |      | 7.4              | 8.4  |      | 8.3              | 8.2  |      | 7.1              | 7.9  | 8.3  | 6.9              | 7.2  | 7.6  | 6                | 6.1  | 6.3  | 5.1              | 5   | 5.1 | 230                                                                                 |
| 235                                                                               |                 |      |      |                  |      |      | 4.1              | 5.9  |      | 7.9              | 8.2  |      | 6.7              | 7.4  | 7.7  | 6.5              | 7    | 7.2  | 5.8              | 5.9  | 6.2  | 5                | 4.9 | 5   | 235                                                                                 |
| 240                                                                               |                 |      |      |                  |      |      |                  |      |      | 7.3              | 7.8  |      | 6.5              | 6.8  | 7    | 6                | 6.6  | 6.9  | 5.5              | 5.8  | 6    | 4.8              | 4.8 | 4.9 | 240                                                                                 |
| 245                                                                               |                 |      |      |                  |      |      |                  |      |      | 5.5              | 7.2  |      | 6.2              | 6.4  |      | 5.4              | 6.3  | 6.5  | 5.2              | 5.6  | 5.8  | 4.6              | 4.7 | 4.8 | 245                                                                                 |
| 250                                                                               |                 |      |      |                  |      |      |                  |      |      | 2.4              | 4.4  |      | 6                | 6.2  |      | 5.1              | 5.8  | 6    | 4.9              | 5.4  | 5.6  | 4.4              | 4.6 | 4.7 | 250                                                                                 |
| 255                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 5.7              | 5.9  |      | 4.9              | 5.2  | 5.4  | 4.4              | 5.1  | 5.3  | 4.2              | 4.4 | 4.6 | 255                                                                                 |
| 260                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 3.9              | 5.6  |      | 4.7              | 4.9  |      | 4                | 4.8  | 4.9  | 3.9              | 4.3 | 4.4 | 260                                                                                 |
| 265                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      | 3.4              | 3.5  |      | 4.6              | 4.7  |      | 3.8              | 4.3  | 4.5  | 3.7              | 4.1 | 4.3 | 265                                                                                 |
| 270                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 4.3              | 4.5  |      | 3.7              | 3.8  | 4    | 3.2              | 3.8 | 4   | 270                                                                                 |
| 275                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3.1              | 4.3  |      | 3.5              | 3.6  |      | 2.5              | 3.5 | 3.7 | 275                                                                                 |
| 280                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      | 3.3              | 3.5  |      |                  | 3.1 | 3.3 | 280                                                                                 |
| 285                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 285                                                                                 |
| 290                                                                               |                 |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                  |     |     | 290                                                                                 |

\* adapter - pièce d'adaptateur

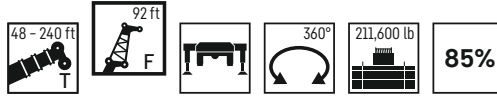
t 240\_003\_50401\_00\_000 / 52401\_00\_000 / 54401\_00\_000



# Lifting capacities

## Forces de levage

# TF 92 ft



|  | 48 + 6 ft 7 in* |      |     | 144 + 6 ft 7 in* |      |     | 160 + 6 ft 7 in* |      |     | 176 + 6 ft 7 in* |      |     | 192 + 6 ft 7 in* |      |     | 208 + 6 ft 7 in* |      |     | 224 + 6 ft 7 in* |      |     | 240 + 6 ft 7 in* |     |     |  |
|-----------------------------------------------------------------------------------|-----------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | F 92 ft         |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                                                                                     |
|                                                                                   | 0°              | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20° | 40° |                                                                                     |
| 19                                                                                | 26.8            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 19                                                                                  |
| 20                                                                                | 27              |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 20                                                                                  |
| 22                                                                                | 26.8            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 22                                                                                  |
| 24                                                                                | 26.2            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 24                                                                                  |
| 26                                                                                | 25.6            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 26                                                                                  |
| 28                                                                                | 24.9            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 28                                                                                  |
| 30                                                                                | 24.3            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 30                                                                                  |
| 32                                                                                | 23.6            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 32                                                                                  |
| 34                                                                                | 23              |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 34                                                                                  |
| 36                                                                                | 22.4            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 36                                                                                  |
| 38                                                                                | 21.8            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 38                                                                                  |
| 40                                                                                | 21.2            |      |     | 26.6             |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 40                                                                                  |
| 45                                                                                | 19.7            |      |     | 25.7             |      |     | 24.7             |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 45                                                                                  |
| 50                                                                                | 18.5            |      |     | 24.8             |      |     | 23.8             |      |     | 22.4             |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     | 50                                                                                  |
| 55                                                                                | 17.3            | 14.8 |     | 23.8             |      |     | 22.9             |      |     | 21.7             |      |     | 19.3             |      |     |                  |      |     |                  |      |     |                  |     |     | 55                                                                                  |
| 60                                                                                | 16.2            | 14   |     | 22.8             |      |     | 22.1             |      |     | 21               |      |     | 19.1             |      |     | 16.3             |      |     |                  |      |     |                  |     |     | 60                                                                                  |
| 65                                                                                | 15.3            | 13.3 |     | 21.9             |      |     | 21.4             |      |     | 20.4             |      |     | 18.7             |      |     | 16.1             |      |     | 13.1             |      |     |                  |     |     | 65                                                                                  |
| 70                                                                                | 14.4            | 12.7 |     | 21               |      |     | 20.6             |      |     | 19.7             |      |     | 18.2             |      |     | 15.9             |      |     | 12.9             |      |     | 9.8              |     |     | 70                                                                                  |
| 75                                                                                | 13.5            | 12.1 |     | 20.1             | 14.7 |     | 19.9             |      |     | 19.1             |      |     | 17.7             |      |     | 15.6             |      |     | 12.7             |      |     | 9.7              |     |     | 75                                                                                  |
| 80                                                                                | 12.7            | 11.5 | 9.9 | 19.3             | 14.3 |     | 19.1             | 14.1 |     | 18.4             |      |     | 17.2             |      |     | 15.3             |      |     | 12.5             |      |     | 9.5              |     |     | 80                                                                                  |
| 85                                                                                | 11.8            | 11   | 9.5 | 18.6             | 13.8 |     | 18.4             | 13.7 |     | 17.8             | 13.5 |     | 16.7             |      |     | 15.1             |      |     | 12.4             |      |     | 9.4              |     |     | 85                                                                                  |
| 90                                                                                | 11.1            | 10.5 | 9.2 | 17.9             | 13.4 |     | 17.8             | 13.4 |     | 17.3             | 13.1 |     | 16.3             | 12.7 |     | 14.7             |      |     | 12.2             |      |     | 9.3              |     |     | 90                                                                                  |
| 95                                                                                | 10.5            | 10   | 8.9 | 17.1             | 13   |     | 17.1             | 13   |     | 16.7             | 12.8 |     | 15.8             | 12.4 |     | 14.4             | 11.7 |     | 12               |      |     | 9.2              |     |     | 95                                                                                  |
| 100                                                                               | 9.8             | 9.5  | 8.6 | 16.5             | 12.7 | 9.9 | 16.5             | 12.6 | 9.9 | 16.2             | 12.4 |     | 15.4             | 12.1 |     | 14.1             | 11.5 |     | 11.9             |      |     | 9.1              |     |     | 100                                                                                 |
| 105                                                                               | 9.3             | 9.1  | 8.4 | 15.9             | 12.3 | 9.7 | 15.9             | 12.3 | 9.7 | 15.7             | 12.1 |     | 14.9             | 11.8 |     | 13.8             | 11.3 |     | 11.8             | 10.5 |     | 9                |     |     | 105                                                                                 |
| 110                                                                               | 8.8             | 8.6  | 8.2 | 15.3             | 12   | 9.5 | 15.4             | 12   | 9.5 | 15.2             | 11.9 | 9.5 | 14.5             | 11.6 |     | 13.4             | 11.1 |     | 11.6             | 10.2 |     | 8.9              | 8.1 |     | 110                                                                                 |
| 115                                                                               | 8.3             | 8.2  | 8   | 14.8             | 11.7 | 9.3 | 14.9             | 11.7 | 9.3 | 14.7             | 11.6 | 9.3 | 14.2             | 11.3 | 9.2 | 13.1             | 10.8 |     | 11.4             | 10.1 |     | 8.7              | 7.9 |     | 115                                                                                 |
| 120                                                                               | 7.9             | 7.8  | 7.9 | 14.3             | 11.4 | 9.1 | 14.4             | 11.4 | 9.2 | 14.3             | 11.3 | 9.1 | 13.8             | 11.1 | 9   | 12.8             | 10.6 | 8.9 | 11.2             | 9.9  |     | 8.4              | 7.7 |     | 120                                                                                 |
| 125                                                                               | 7.5             | 7.5  | 7.6 | 13.7             | 11.1 | 9   | 13.9             | 11.1 | 9   | 13.8             | 11.1 | 9   | 13.4             | 10.8 | 8.9 | 12.5             | 10.5 | 8.7 | 11.1             | 9.7  |     | 8.2              | 7.5 |     | 125                                                                                 |
| 130                                                                               | 7.2             | 7.2  | 7.5 | 13.2             | 10.8 | 8.8 | 13.4             | 10.9 | 8.9 | 13.4             | 10.8 | 8.9 | 13               | 10.6 | 8.8 | 12.2             | 10.2 | 8.6 | 10.8             | 9.5  | 8.4 | 7.9              | 7.3 |     | 130                                                                                 |
| 135                                                                               | 7               | 7.1  |     | 12.7             | 10.5 | 8.7 | 13               | 10.6 | 8.7 | 12.9             | 10.6 | 8.7 | 12.6             | 10.4 | 8.6 | 11.9             | 10   | 8.5 | 10.5             | 9.3  | 8.3 | 7.7              | 7.1 | 6.8 | 135                                                                                 |
| 140                                                                               |                 |      |     | 12.2             | 10.2 | 8.5 | 12.5             | 10.4 | 8.6 | 12.5             | 10.4 | 8.6 | 12.2             | 10.2 | 8.5 | 11.6             | 9.8  | 8.4 | 10.3             | 9.2  | 8.2 | 7.5              | 6.9 | 6.6 | 140                                                                                 |
| 145                                                                               |                 |      |     | 11.7             | 10   | 8.4 | 12.1             | 10.1 | 8.5 | 12.1             | 10.1 | 8.5 | 11.9             | 10   | 8.4 | 11.3             | 9.6  | 8.3 | 10               | 9    | 8.1 | 7.3              | 6.7 | 6.5 | 145                                                                                 |
| 150                                                                               |                 |      |     | 11.3             | 9.7  | 8.3 | 11.7             | 9.9  | 8.4 | 11.7             | 9.9  | 8.4 | 11.5             | 9.8  | 8.3 | 11               | 9.4  | 8.2 | 9.7              | 8.8  | 8   | 7.1              | 6.5 | 6.3 | 150                                                                                 |
| 155                                                                               |                 |      |     | 10.9             | 9.4  | 8.2 | 11.2             | 9.6  | 8.3 | 11.4             | 9.7  | 8.3 | 11.1             | 9.6  | 8.2 | 10.7             | 9.2  | 8.2 | 9.4              | 8.7  | 8   | 6.9              | 6.4 | 6.1 | 155                                                                                 |
| 160                                                                               |                 |      |     | 10.5             | 9.2  | 8.2 | 10.9             | 9.3  | 8.2 | 11               | 9.4  | 8.2 | 10.8             | 9.3  | 8.1 | 10.4             | 9    | 8.1 | 9.1              | 8.5  | 7.9 | 6.7              | 6.2 | 6   | 160                                                                                 |
| 165                                                                               |                 |      |     | 10.1             | 8.9  | 8.1 | 10.5             | 9.1  | 8.1 | 10.7             | 9.2  | 8.1 | 10.5             | 9.1  | 8.1 | 10.1             | 8.8  | 8   | 8.8              | 8.3  | 7.8 | 6.5              | 6.1 | 5.9 | 165                                                                                 |
| 170                                                                               |                 |      |     | 9.7              | 8.7  | 8   | 10.2             | 8.9  | 8   | 10.3             | 9    | 8   | 10.3             | 8.9  | 8   | 9.9              | 8.6  | 7.9 | 8.5              | 8.1  | 7.7 | 6.4              | 5.9 | 5.7 | 170                                                                                 |
| 175                                                                               |                 |      |     | 9.4              | 8.4  | 8   | 9.8              | 8.6  | 8   | 10               | 8.7  | 8   | 10               | 8.7  | 8   | 9.6              | 8.4  | 7.8 | 8.2              | 7.9  | 7.6 | 6.2              | 5.8 | 5.6 | 175                                                                                 |
| 180                                                                               |                 |      |     | 9.1              | 8.2  | 7.9 | 9.5              | 8.4  | 7.9 | 9.7              | 8.5  | 7.9 | 9.7              | 8.5  | 7.9 | 9.4              | 8.2  | 7.8 | 7.9              | 7.7  | 7.5 | 6                | 5.6 | 5.5 | 180                                                                                 |
| 185                                                                               |                 |      |     | 8.8              | 8    | 7.8 | 9.2              | 8.2  | 7.8 | 9.4              | 8.3  | 7.9 | 9.4              | 8.3  | 7.8 | 9.1              | 8.1  | 7.7 | 7.6              | 7.5  | 7.4 | 5.9              | 5.5 | 5.4 | 185                                                                                 |
| 190                                                                               |                 |      |     | 8.5              | 7.8  | 7.7 | 8.9              | 8    | 7.7 | 9.2              | 8.1  | 7.7 | 9.1              | 8.1  | 7.7 | 8.9              | 7.9  | 7.6 | 7.3              | 7.4  | 7.3 | 5.7              | 5.4 | 5.2 | 190                                                                                 |
| 195                                                                               |                 |      |     | 8.3              | 7.6  | 7.6 | 8.7              | 7.8  | 7.6 | 8.9              | 8    | 7.6 | 8.9              | 7.9  | 7.6 | 8.6              | 7.8  | 7.5 | 7.1              | 7.2  | 7.2 | 5.6              | 5.3 | 5.1 | 195                                                                                 |
| 200                                                                               |                 |      |     | 8                | 7.5  | 7.5 | 8.4              | 7.7  | 7.6 | 8.6              | 7.8  | 7.6 | 8.7              | 7.8  | 7.5 | 8.4              | 7.6  | 7.4 | 6.9              | 7    | 7   | 5.4              | 5.1 | 5   | 200                                                                                 |
| 205                                                                               |                 |      |     | 7.8              | 7.3  | 7.5 | 8.2              | 7.5  | 7.5 | 8.4              | 7.6  | 7.5 | 8.5              | 7.6  | 7.4 | 8.1              | 7.5  | 7.3 | 6.7              | 6.8  | 6.9 | 5.3              | 5   | 4.9 | 205                                                                                 |
| 210                                                                               |                 |      |     | 7.5              | 7.2  | 7.5 | 7.9              | 7.4  | 7.5 | 8.2              | 7.5  | 7.4 | 8.3              | 7.5  | 7.3 | 7.8              | 7.4  | 7.3 | 6.5              | 6.6  | 6.7 | 5.2              | 4.9 | 4.9 | 210                                                                                 |
| 215                                                                               |                 |      |     | 7.4              | 7.1  |     | 7.7              | 7.3  | 7.4 | 8                | 7.3  | 7.4 | 8                | 7.4  | 7.3 | 7.6              | 7.3  | 7.2 | 6.3              | 6.4  | 6.5 | 5                | 4.8 | 4.8 | 215                                                                                 |
| 220                                                                               |                 |      |     | 7.2              | 7.1  |     | 7.5              | 7.2  | 7.4 | 7.8              | 7.2  | 7.4 | 7.8              | 7.3  | 7.3 | 7.3              | 7.2  | 7.2 | 6.1              | 6.2  | 6.3 | 4.9              | 4.7 | 4.7 | 220                                                                                 |
| 225                                                                               |                 |      |     | 7                | 7.1  |     | 7.3              | 7.1  | 7.4 | 7.6              | 7.1  | 7.3 | 7.6              | 7.2  | 7.2 | 7                | 7    | 7.1 | 5.9              | 6    | 6.2 | 4.8              | 4.6 | 4.6 | 225                                                                                 |
| 230                                                                               |                 |      |     | 6.3              | 7.1  |     | 7.2              | 7    |     | 7.4              | 7    | 7.3 | 7.3              | 7.1  | 7.2 | 6.7              | 6.9  | 7   | 5.7              | 5.8  | 6   | 4.7              | 4.5 | 4.5 | 230                                                                                 |
| 235                                                                               |                 |      |     |                  |      |     | 7                | 7    |     | 7.2              | 7    | 7.3 | 6.9              | 7    | 7.2 | 6.4              | 6.7  | 7   | 5.5              | 5.6  | 5.8 | 4.5              | 4.4 | 4.4 | 235                                                                                 |
| 240                                                                               |                 |      |     |                  |      |     | 6.8              | 7    |     | 7.1              | 6.9  | 7.3 | 6.4              | 6.9  | 7.2 | 6.1              | 6.5  | 6.8 | 5.3              | 5.4  | 5.6 | 4.4              | 4.3 | 4.4 | 240                                                                                 |
| 245                                                                               |                 |      |     |                  |      |     | 4.3              | 6.5  |     | 6.9              | 6.9  |     | 6                | 6.7  | 7.1 | 5.7              | 6.3  | 6.5 | 5.1              | 5.2  | 5.5 | 4.2              | 4.2 | 4.3 | 245                                                                                 |
| 250                                                                               |                 |      |     |                  |      |     |                  |      |     | 6.7              | 6.9  |     | 5.8              | 6.3  | 6.5 | 5.2              | 6    | 6.3 | 4.8              | 5.1  | 5.3 | 4                | 4.1 | 4.2 | 250                                                                                 |
| 255                                                                               |                 |      |     |                  |      |     |                  |      |     | 5.3              | 6.7  |     | 5.6              | 5.8  |     | 4.7              | 5.7  | 5.9 | 4.5              | 4.9  | 5.1 | 3.9              | 4   | 4.2 | 255                                                                                 |
| 260                                                                               |                 |      |     |                  |      |     |                  |      |     |                  | 4.9  |     | 5.4              | 5.6  |     | 4.5              | 5.2  | 5.5 | 4.2              | 4.7  | 4.9 | 3.7              | 3.9 | 4.1 | 260                                                                                 |
| 265                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     | 5.1              | 5.3  |     | 4.3              | 4.6  | 4.9 | 3.7              | 4.5  | 4.7 | 3.5              | 3.7 | 4   | 265                                                                                 |
| 270                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     | 3.7              | 5.1  |     | 4.1              | 4.3  |     | 3.3              | 4.2  | 4.4 | 3.2              | 3.6 | 3.9 | 270                                                                                 |
| 275                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     | 2.8              | 3.4  |     | 3.9              | 4.1  |     | 3.2              | 3.7  | 3.9 |                  | 3.5 | 3.7 | 275                                                                                 |
| 280                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 3.7              | 3.9  |     | 3                | 3.2  | 3.4 |                  | 3.3 | 3.4 | 280                                                                                 |
| 285                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 2.5              | 3.7  |     | 2.9              | 3    |     |                  | 2.7 | 3.1 | 285                                                                                 |
| 290                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.4  |     | 2.7              | 2.9  |     |                  |     | 2.1 | 290                                                                                 |
| 295                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 2.1              | 2.2  |     |                  |     |     | 295                                                                                 |
| 300                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.7  |     |                  |     |     | 300                                                                                 |

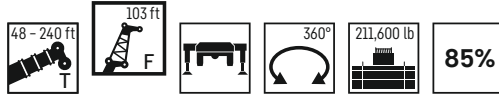
\* adapter - pièce d'adaptateur

t 240,003,50501,00,000 / 52501,00,000 / 54501,00,000

# Lifting capacities

## Forces de levage

# TF 103 ft



|  | 48 + 6 ft 7 in* |      |     | 144 + 6 ft 7 in* |      |     | 160 + 6 ft 7 in* |      |     | 176 + 6 ft 7 in* |      |     | 192 + 6 ft 7 in* |      |     | 208 + 6 ft 7 in* |     |     | 224 + 6 ft 7 in* |     |     | 240 + 6 ft 7 in* |     |     |  |
|-----------------------------------------------------------------------------------|-----------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°              | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° |                                                                                     |
| 22                                                                                | 23.1            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 22                                                                                  |
| 24                                                                                | 22.9            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 24                                                                                  |
| 26                                                                                | 22.4            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 26                                                                                  |
| 28                                                                                | 21.8            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 28                                                                                  |
| 30                                                                                | 21.2            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 30                                                                                  |
| 32                                                                                | 20.7            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 32                                                                                  |
| 34                                                                                | 20.1            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 34                                                                                  |
| 36                                                                                | 19.6            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 36                                                                                  |
| 38                                                                                | 19.1            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 38                                                                                  |
| 40                                                                                | 18.6            |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 40                                                                                  |
| 45                                                                                | 17.4            |      |     | 22.3             |      |     | 21.1             |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 45                                                                                  |
| 50                                                                                | 16.3            |      |     | 21.3             |      |     | 20.5             |      |     | 19.2             |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 50                                                                                  |
| 55                                                                                | 15.3            |      |     | 20.5             |      |     | 19.7             |      |     | 18.6             |      |     |                  |      |     |                  |     |     |                  |     |     |                  |     |     | 55                                                                                  |
| 60                                                                                | 14.3            | 12.2 |     | 19.7             |      |     | 19               |      |     | 18               |      |     | 16.7             |      |     |                  |     |     |                  |     |     |                  |     |     | 60                                                                                  |
| 65                                                                                | 13.3            | 11.5 |     | 18.9             |      |     | 18.4             |      |     | 17.5             |      |     | 16.3             |      |     | 14.1             |     |     |                  |     |     |                  |     |     | 65                                                                                  |
| 70                                                                                | 12.6            | 10.9 |     | 18.2             |      |     | 17.7             |      |     | 16.9             |      |     | 15.8             |      |     | 13.9             |     |     | 11.2             |     |     |                  |     |     | 70                                                                                  |
| 75                                                                                | 11.9            | 10.3 |     | 17.4             |      |     | 17.1             |      |     | 16.4             |      |     | 15.3             |      |     | 13.6             |     |     | 11               |     |     | 8.3              |     |     | 75                                                                                  |
| 80                                                                                | 11.2            | 9.8  |     | 16.7             | 12.1 |     | 16.5             |      |     | 15.9             |      |     | 14.9             |      |     | 13.4             |     |     | 10.8             |     |     | 8.1              |     |     | 80                                                                                  |
| 85                                                                                | 10.6            | 9.3  |     | 16               | 11.6 |     | 15.9             | 11.6 |     | 15.4             |      |     | 14.4             |      |     | 13.1             |     |     | 10.6             |     |     | 8                |     |     | 85                                                                                  |
| 90                                                                                | 10              | 8.8  | 7.6 | 15.4             | 11.3 |     | 15.3             | 11.2 |     | 14.9             | 11   |     | 14               |      |     | 12.8             |     |     | 10.5             |     |     | 7.9              |     |     | 90                                                                                  |
| 95                                                                                | 9.5             | 8.4  | 7.3 | 14.8             | 10.9 |     | 14.7             | 10.9 |     | 14.3             | 10.7 |     | 13.6             | 10.3 |     | 12.4             |     |     | 10.4             |     |     | 7.7              |     |     | 95                                                                                  |
| 100                                                                               | 8.9             | 8    | 7.1 | 14.2             | 10.6 |     | 14.2             | 10.5 |     | 13.9             | 10.4 |     | 13.2             | 10.1 |     | 12.1             |     |     | 10.3             |     |     | 7.6              |     |     | 100                                                                                 |
| 105                                                                               | 8.3             | 7.7  | 6.8 | 13.6             | 10.3 |     | 13.7             | 10.2 |     | 13.4             | 10.1 |     | 12.8             | 9.8  |     | 11.8             | 9.4 |     | 10.1             |     |     | 7.5              |     |     | 105                                                                                 |
| 110                                                                               | 7.9             | 7.3  | 6.6 | 13.1             | 10   | 7.6 | 13.2             | 10   | 7.6 | 13               | 9.8  |     | 12.4             | 9.6  |     | 11.5             | 9.2 |     | 10               | 8.5 |     | 7.5              |     |     | 110                                                                                 |
| 115                                                                               | 7.5             | 7.1  | 6.5 | 12.6             | 9.7  | 7.4 | 12.7             | 9.7  | 7.4 | 12.6             | 9.6  | 7.4 | 12.1             | 9.3  |     | 11.2             | 8.9 |     | 9.8              | 8.4 |     | 7.4              |     |     | 115                                                                                 |
| 120                                                                               | 7.1             | 6.9  | 6.4 | 12.1             | 9.4  | 7.3 | 12.3             | 9.4  | 7.3 | 12.1             | 9.3  | 7.3 | 11.7             | 9.1  | 7.2 | 11               | 8.7 |     | 9.7              | 8.2 |     | 7.3              | 6.8 |     | 120                                                                                 |
| 125                                                                               | 6.8             | 6.7  | 6.3 | 11.7             | 9.1  | 7.2 | 11.9             | 9.2  | 7.2 | 11.8             | 9.1  | 7.1 | 11.4             | 8.9  | 7.1 | 10.7             | 8.5 |     | 9.5              | 8   |     | 7.1              | 6.7 |     | 125                                                                                 |
| 130                                                                               | 6.5             | 6.5  | 6.2 | 11.3             | 8.8  | 7   | 11.5             | 8.9  | 7   | 11.4             | 8.9  | 7   | 11.1             | 8.7  | 7   | 10.5             | 8.4 | 6.9 | 9.3              | 7.9 |     | 7                | 6.5 |     | 130                                                                                 |
| 135                                                                               | 6.2             | 6.2  | 6.2 | 10.9             | 8.5  | 6.9 | 11.1             | 8.7  | 6.9 | 11.1             | 8.7  | 6.9 | 10.8             | 8.5  | 6.9 | 10.2             | 8.2 | 6.8 | 9.1              | 7.7 |     | 6.9              | 6.3 |     | 135                                                                                 |
| 140                                                                               | 6               | 6    | 6.2 | 10.6             | 8.3  | 6.8 | 10.7             | 8.4  | 6.9 | 10.7             | 8.4  | 6.8 | 10.5             | 8.3  | 6.8 | 10               | 8   | 6.7 | 8.9              | 7.6 | 6.5 | 6.7              | 6.1 |     | 140                                                                                 |
| 145                                                                               | 5.8             | 5.9  |     | 10.2             | 8.1  | 6.7 | 10.4             | 8.2  | 6.7 | 10.4             | 8.2  | 6.7 | 10.2             | 8.1  | 6.7 | 9.7              | 7.9 | 6.6 | 8.7              | 7.5 | 6.4 | 6.5              | 6   | 5.7 | 145                                                                                 |
| 150                                                                               | 5.7             |      |     | 9.8              | 7.9  | 6.6 | 10.1             | 8    | 6.7 | 10.1             | 8    | 6.7 | 9.9              | 8    | 6.6 | 9.5              | 7.8 | 6.5 | 8.5              | 7.4 | 6.4 | 6.3              | 5.8 | 5.6 | 150                                                                                 |
| 155                                                                               |                 |      |     | 9.5              | 7.7  | 6.5 | 9.8              | 7.8  | 6.6 | 9.8              | 7.8  | 6.6 | 9.7              | 7.8  | 6.5 | 9.2              | 7.6 | 6.5 | 8.4              | 7.3 | 6.3 | 6.2              | 5.6 | 5.4 | 155                                                                                 |
| 160                                                                               |                 |      |     | 9.1              | 7.5  | 6.5 | 9.5              | 7.6  | 6.5 | 9.5              | 7.7  | 6.5 | 9.4              | 7.6  | 6.5 | 9                | 7.5 | 6.4 | 8.2              | 7.1 | 6.3 | 6                | 5.5 | 5.3 | 160                                                                                 |
| 165                                                                               |                 |      |     | 8.8              | 7.3  | 6.4 | 9.2              | 7.5  | 6.4 | 9.3              | 7.5  | 6.4 | 9.2              | 7.5  | 6.4 | 8.8              | 7.3 | 6.3 | 7.9              | 7   | 6.2 | 5.8              | 5.3 | 5.2 | 165                                                                                 |
| 170                                                                               |                 |      |     | 8.5              | 7.2  | 6.3 | 8.9              | 7.3  | 6.4 | 9                | 7.3  | 6.4 | 8.9              | 7.3  | 6.3 | 8.6              | 7.2 | 6.3 | 7.7              | 6.9 | 6.2 | 5.6              | 5.2 | 5   | 170                                                                                 |
| 175                                                                               |                 |      |     | 8.1              | 7    | 6.3 | 8.6              | 7.2  | 6.3 | 8.7              | 7.2  | 6.3 | 8.7              | 7.2  | 6.3 | 8.3              | 7.1 | 6.2 | 7.5              | 6.8 | 6.1 | 5.5              | 5.1 | 4.9 | 175                                                                                 |
| 180                                                                               |                 |      |     | 7.9              | 6.9  | 6.3 | 8.3              | 7    | 6.3 | 8.4              | 7.1  | 6.3 | 8.4              | 7.1  | 6.2 | 8.1              | 7   | 6.2 | 7.2              | 6.7 | 6.1 | 5.3              | 4.9 | 4.8 | 180                                                                                 |
| 185                                                                               |                 |      |     | 7.6              | 6.8  | 6.2 | 8                | 6.9  | 6.2 | 8.2              | 7    | 6.2 | 8.2              | 7    | 6.2 | 7.9              | 6.9 | 6.1 | 7                | 6.6 | 6.1 | 5.2              | 4.8 | 4.7 | 185                                                                                 |
| 190                                                                               |                 |      |     | 7.4              | 6.7  | 6.2 | 7.7              | 6.8  | 6.2 | 7.9              | 6.9  | 6.2 | 7.9              | 6.9  | 6.2 | 7.7              | 6.8 | 6.1 | 6.7              | 6.5 | 6   | 5.1              | 4.7 | 4.6 | 190                                                                                 |
| 195                                                                               |                 |      |     | 7.1              | 6.6  | 6.2 | 7.5              | 6.7  | 6.2 | 7.7              | 6.8  | 6.2 | 7.7              | 6.8  | 6.1 | 7.5              | 6.7 | 6.1 | 6.5              | 6.4 | 6   | 4.9              | 4.6 | 4.5 | 195                                                                                 |
| 200                                                                               |                 |      |     | 6.9              | 6.5  | 6.2 | 7.3              | 6.6  | 6.2 | 7.5              | 6.7  | 6.2 | 7.5              | 6.7  | 6.1 | 7.4              | 6.6 | 6   | 6.3              | 6.3 | 6   | 4.8              | 4.5 | 4.4 | 200                                                                                 |
| 205                                                                               |                 |      |     | 6.7              | 6.4  | 6.2 | 7.1              | 6.5  | 6.2 | 7.3              | 6.5  | 6.1 | 7.3              | 6.6  | 6.1 | 7.2              | 6.5 | 6   | 6.1              | 6.2 | 6   | 4.6              | 4.3 | 4.3 | 205                                                                                 |
| 210                                                                               |                 |      |     | 6.6              | 6.2  | 6.2 | 6.9              | 6.4  | 6.2 | 7.1              | 6.4  | 6.1 | 7.1              | 6.4  | 6.1 | 7                | 6.4 | 6   | 5.9              | 6   | 6   | 4.5              | 4.2 | 4.2 | 210                                                                                 |
| 215                                                                               |                 |      |     | 6.4              | 6.1  | 6.2 | 6.7              | 6.2  | 6.2 | 6.9              | 6.3  | 6.1 | 6.9              | 6.3  | 6.1 | 6.8              | 6.2 | 6   | 5.7              | 5.8 | 5.9 | 4.4              | 4.1 | 4.1 | 215                                                                                 |
| 220                                                                               |                 |      |     | 6.2              | 6    | 6.2 | 6.6              | 6.1  | 6.2 | 6.8              | 6.2  | 6.1 | 6.8              | 6.2  | 6.1 | 6.6              | 6.2 | 6   | 5.6              | 5.7 | 5.8 | 4.2              | 4   | 4   | 220                                                                                 |
| 225                                                                               |                 |      |     | 6.1              | 5.9  | 6.2 | 6.4              | 6.1  | 6.2 | 6.6              | 6.1  | 6.1 | 6.6              | 6.1  | 6.1 | 6.4              | 6.1 | 6   | 5.4              | 5.5 | 5.7 | 4.1              | 3.9 | 3.9 | 225                                                                                 |
| 230                                                                               |                 |      |     | 6                | 5.9  |     | 6.3              | 6    | 6.2 | 6.4              | 6    | 6.1 | 6.5              | 6    | 6   | 6.2              | 6   | 6   | 5.2              | 5.3 | 5.5 | 4                | 3.8 | 3.8 | 230                                                                                 |
| 235                                                                               |                 |      |     | 5.8              | 5.8  |     | 6.1              | 5.9  | 6.2 | 6.3              | 5.9  | 6.1 | 6.4              | 6    | 6   | 6                | 5.9 | 5.9 | 5                | 5.1 | 5.4 | 3.9              | 3.7 | 3.7 | 235                                                                                 |
| 240                                                                               |                 |      |     | 5.7              | 5.8  |     | 6                | 5.8  |     | 6.2              | 5.9  | 6.1 | 6.2              | 5.9  | 6   | 5.8              | 5.8 | 5.9 | 4.8              | 5   | 5.2 | 3.7              | 3.6 | 3.7 | 240                                                                                 |
| 245                                                                               |                 |      |     |                  |      |     | 5.9              | 5.8  |     | 6.1              | 5.8  | 6.1 | 6                | 5.8  | 6   | 5.5              | 5.6 | 5.9 | 4.6              | 4.8 | 5   | 3.6              | 3.5 | 3.6 | 245                                                                                 |
| 250                                                                               |                 |      |     |                  |      |     | 5.8              | 5.8  |     | 5.9              | 5.7  | 6.1 | 5.5              | 5.7  | 6   | 5.2              | 5.5 | 5.8 | 4.4              | 4.6 | 4.9 | 3.4              | 3.5 | 3.5 | 250                                                                                 |
| 255                                                                               |                 |      |     |                  |      |     | 4.2              | 5.8  |     | 5.8              | 5.7  |     | 5.2              | 5.7  | 6   | 4.7              | 5.4 | 5.7 | 4.2              | 4.4 | 4.7 | 3.3              | 3.4 | 3.5 | 255                                                                                 |
| 260                                                                               |                 |      |     |                  |      |     |                  |      |     | 5.7              | 5.7  |     | 5                | 5.6  | 5.8 | 4.2              | 5.2 | 5.5 | 3.9              | 4.3 | 4.5 | 3.1              | 3.3 | 3.4 | 260                                                                                 |
| 265                                                                               |                 |      |     |                  |      |     |                  |      |     | 4.8              | 5.7  |     | 4.8              | 5    | 5.2 | 3.8              | 4.8 | 5.2 | 3.6              | 4.1 | 4.4 | 3                | 3.2 | 3.3 | 265                                                                                 |
| 270                                                                               |                 |      |     |                  |      |     |                  |      |     | 2.3              | 5    |     | 4.6              | 4.8  |     | 3.7              | 4.4 | 4.7 | 3.3              | 3.9 | 4.1 | 2.8              | 3.1 | 3.3 | 270                                                                                 |
| 275                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     | 4.3              | 4.6  |     | 3.5              | 3.8 | 4.1 | 2.8              | 3.7 | 3.9 |                  | 2.9 | 3.2 | 275                                                                                 |
| 280                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     | 3.1              | 4.4  |     | 3.3              | 3.5 |     | 2.5              | 3.4 | 3.5 |                  | 2.8 | 3   | 280                                                                                 |
| 285                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 3.1              | 3.3 |     | 2.3              | 2.9 | 3.1 |                  | 2.5 | 2.9 | 285                                                                                 |
| 290                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 2.8              | 3.1 |     |                  | 2.4 | 2.7 |                  |     |     | 290                                                                                 |
| 295                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.9 |     |                  | 2.3 |     |                  |     |     | 295                                                                                 |
| 300                                                                               |                 |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.1 |     |                  | 2.1 |     |                  |     |     | 300                                                                                 |

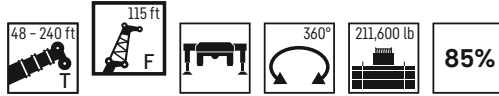
\* adapter - pièce d'adaptateur

t\_240\_003\_50601\_00\_000 / 52601\_00\_000 / 54601\_00\_000

# Lifting capacities

## Forces de levage

# TF 115 ft



|  | 48 + 6 ft 7 in* |     |     | 144 + 6 ft 7 in* |      |     | 160 + 6 ft 7 in* |      |     | 176 + 6 ft 7 in* |      |     | 192 + 6 ft 7 in* |      |     | 208 + 6 ft 7 in* |      |     | 224 + 6 ft 7 in* |     |     | 240 + 6 ft 7 in* |     |     |  |     |     |
|-----------------------------------------------------------------------------------|-----------------|-----|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|------|-----|------------------|-----|-----|------------------|-----|-----|-------------------------------------------------------------------------------------|-----|-----|
|                                                                                   | 0°              | 20° | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20°  | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° |                                                                                     |     |     |
| 24                                                                                | 19.6            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 24                                                                                  |     |     |
| 26                                                                                | 19.5            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 26                                                                                  |     |     |
| 28                                                                                | 19.2            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 28                                                                                  |     |     |
| 30                                                                                | 18.7            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 30                                                                                  |     |     |
| 32                                                                                | 18.2            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 32                                                                                  |     |     |
| 34                                                                                | 17.7            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 34                                                                                  |     |     |
| 36                                                                                | 17.2            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 36                                                                                  |     |     |
| 38                                                                                | 16.8            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 38                                                                                  |     |     |
| 40                                                                                | 16.4            |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 40                                                                                  |     |     |
| 45                                                                                | 15.4            |     |     |                  | 19.3 |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 45                                                                                  |     |     |
| 50                                                                                | 14.5            |     |     |                  | 18.6 |     |                  | 17.8 |     |                  |      |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 50                                                                                  |     |     |
| 55                                                                                | 13.5            |     |     |                  | 17.8 |     |                  | 17.1 |     |                  | 16.2 |     |                  |      |     |                  |      |     |                  |     |     |                  |     |     | 55                                                                                  |     |     |
| 60                                                                                | 12.7            |     |     |                  | 17.1 |     |                  | 16.5 |     |                  | 15.6 |     |                  | 14.4 |     |                  |      |     |                  |     |     |                  |     |     | 60                                                                                  |     |     |
| 65                                                                                | 11.9            | 10  |     |                  | 16.4 |     |                  | 15.9 |     |                  | 15.1 |     |                  | 14   |     |                  | 12.4 |     |                  |     |     |                  |     |     | 65                                                                                  |     |     |
| 70                                                                                | 11.1            | 9.5 |     |                  | 15.8 |     |                  | 15.3 |     |                  | 14.6 |     |                  | 13.6 |     |                  | 12.2 |     |                  |     |     |                  |     |     | 70                                                                                  |     |     |
| 75                                                                                | 10.5            | 9   |     |                  | 15.2 |     |                  | 14.8 |     |                  | 14.2 |     |                  | 13.3 |     |                  | 11.9 |     |                  | 9.6 |     |                  |     |     | 75                                                                                  |     |     |
| 80                                                                                | 9.8             | 8.5 |     |                  | 14.6 |     |                  | 14.3 |     |                  | 13.7 |     |                  | 12.9 |     |                  | 11.6 |     |                  | 9.4 |     |                  | 6.9 |     | 80                                                                                  |     |     |
| 85                                                                                | 9.3             | 8   |     |                  | 13.9 |     |                  | 13.7 |     |                  | 13.3 |     |                  | 12.5 |     |                  | 11.3 |     |                  | 9.3 |     |                  | 6.9 |     | 85                                                                                  |     |     |
| 90                                                                                | 8.8             | 7.6 |     |                  | 13.4 | 9.6 |                  | 13.2 | 9.5 |                  | 12.8 |     |                  | 12.1 |     |                  | 11   |     |                  | 9.1 |     |                  | 6.8 |     | 90                                                                                  |     |     |
| 95                                                                                | 8.3             | 7.2 | 6.2 |                  | 12.8 | 9.2 |                  | 12.8 | 9.2 |                  | 12.4 | 9   |                  | 11.7 |     |                  | 10.7 |     |                  | 9   |     |                  | 6.7 |     | 95                                                                                  |     |     |
| 100                                                                               | 7.8             | 6.8 | 6   |                  | 12.3 | 8.9 |                  | 12.3 | 8.9 |                  | 12   | 8.7 |                  | 11.4 |     |                  | 10.4 |     |                  | 8.8 |     |                  | 6.7 |     | 100                                                                                 |     |     |
| 105                                                                               | 7.4             | 6.5 | 5.8 |                  | 11.8 | 8.6 |                  | 11.8 | 8.6 |                  | 11.5 | 8.5 |                  | 11   | 8.2 |                  | 10.2 |     |                  | 8.7 |     |                  | 6.6 |     | 105                                                                                 |     |     |
| 110                                                                               | 7               | 6.3 | 5.6 |                  | 11.3 | 8.3 |                  | 11.4 | 8.3 |                  | 11.2 | 8.2 |                  | 10.7 | 8   |                  | 9.9  | 7.6 |                  | 8.6 |     |                  | 6.5 |     | 110                                                                                 |     |     |
| 115                                                                               | 6.6             | 6   | 5.4 |                  | 10.9 | 8   | 6.2              | 11   | 8   |                  | 10.8 | 8   |                  | 10.3 | 7.7 |                  | 9.6  | 7.4 |                  | 8.5 |     |                  | 6.4 |     | 115                                                                                 |     |     |
| 120                                                                               | 6.3             | 5.8 | 5.2 |                  | 10.5 | 7.7 | 6                | 10.5 | 7.8 | 6                | 10.4 | 7.7 |                  | 10   | 7.5 |                  | 9.4  | 7.2 |                  | 8.3 | 6.8 |                  | 6.4 |     | 120                                                                                 |     |     |
| 125                                                                               | 6               | 5.6 | 5.1 |                  | 10.1 | 7.5 | 5.9              | 10.2 | 7.5 | 5.9              | 10.1 | 7.5 | 5.8              | 9.7  | 7.4 |                  | 9.1  | 7.1 |                  | 8.1 | 6.7 |                  | 6.2 |     | 125                                                                                 |     |     |
| 130                                                                               | 5.7             | 5.4 | 5   |                  | 9.7  | 7.3 | 5.8              | 9.8  | 7.3 | 5.8              | 9.7  | 7.3 | 5.8              | 9.4  | 7.2 | 5.6              | 8.9  | 6.9 |                  | 7.9 | 6.6 |                  | 6.1 | 5.7 | 130                                                                                 |     |     |
| 135                                                                               | 5.5             | 5.3 | 4.9 |                  | 9.3  | 7.1 | 5.7              | 9.5  | 7.1 | 5.7              | 9.4  | 7.1 | 5.7              | 9.2  | 7   | 5.6              | 8.6  | 6.8 |                  | 7.8 | 6.5 |                  | 5.9 | 5.6 | 135                                                                                 |     |     |
| 140                                                                               | 5.2             | 5.1 | 4.9 |                  | 9    | 6.9 | 5.6              | 9.1  | 6.9 | 5.6              | 9.1  | 7   | 5.6              | 8.9  | 6.9 | 5.5              | 8.4  | 6.7 | 5.4              | 7.6 | 6.4 |                  | 5.8 | 5.4 | 140                                                                                 |     |     |
| 145                                                                               | 5               | 5   | 4.8 |                  | 8.7  | 6.7 | 5.5              | 8.8  | 6.8 | 5.5              | 8.8  | 6.8 | 5.5              | 8.6  | 6.7 | 5.4              | 8.2  | 6.6 | 5.3              | 7.5 | 6.3 |                  | 5.6 | 5.3 | 145                                                                                 |     |     |
| 150                                                                               | 4.8             | 4.9 | 4.8 |                  | 8.4  | 6.5 | 5.4              | 8.5  | 6.6 | 5.4              | 8.5  | 6.6 | 5.4              | 8.4  | 6.6 | 5.3              | 8    | 6.4 | 5.3              | 7.3 | 6.2 | 5.1              | 5.5 | 5.1 |                                                                                     | 150 |     |
| 155                                                                               | 4.7             | 4.9 | 4.8 |                  | 8.1  | 6.3 | 5.3              | 8.3  | 6.5 | 5.3              | 8.3  | 6.5 | 5.3              | 8.1  | 6.5 | 5.3              | 7.8  | 6.3 | 5.2              | 7.2 | 6.1 | 5.1              | 5.3 | 5   | 4.8                                                                                 | 155 |     |
| 160                                                                               | 4.6             | 4.8 |     |                  | 7.8  | 6.2 | 5.2              | 8    | 6.3 | 5.2              | 8    | 6.3 | 5.2              | 7.9  | 6.3 | 5.2              | 7.6  | 6.2 | 5.1              | 7.1 | 5.9 | 5                | 5.2 | 4.8 | 4.7                                                                                 | 160 |     |
| 165                                                                               |                 |     |     |                  | 7.5  | 6.1 | 5.1              | 7.8  | 6.2 | 5.2              | 7.8  | 6.2 | 5.2              | 7.7  | 6.2 | 5.1              | 7.4  | 6.1 | 5.1              | 6.9 | 5.9 | 5                | 5   | 4.7 | 4.5                                                                                 | 165 |     |
| 170                                                                               |                 |     |     |                  | 7.3  | 5.9 | 5.1              | 7.5  | 6   | 5.1              | 7.6  | 6.1 | 5.1              | 7.4  | 6.1 | 5.1              | 7.2  | 5.9 | 5                | 6.8 | 5.8 | 4.9              | 4.8 | 4.6 | 4.4                                                                                 | 170 |     |
| 175                                                                               |                 |     |     |                  | 7    | 5.8 | 5                | 7.3  | 5.9 | 5                | 7.4  | 5.9 | 5                | 7.3  | 5.9 | 5                | 7.1  | 5.8 | 5                | 6.6 | 5.7 | 4.9              | 4.7 | 4.4 | 4.3                                                                                 | 175 |     |
| 180                                                                               |                 |     |     |                  | 6.8  | 5.7 | 5                | 7    | 5.8 | 5                | 7.2  | 5.8 | 5                | 7.1  | 5.8 | 5                | 6.9  | 5.7 | 4.9              | 6.4 | 5.6 | 4.8              | 4.5 | 4.3 | 4.2                                                                                 | 180 |     |
| 185                                                                               |                 |     |     |                  | 6.5  | 5.6 | 4.9              | 6.8  | 5.7 | 4.9              | 7    | 5.7 | 4.9              | 7    | 5.7 | 4.9              | 6.8  | 5.6 | 4.9              | 6.3 | 5.5 | 4.8              | 4.4 | 4.2 | 4.1                                                                                 | 185 |     |
| 190                                                                               |                 |     |     |                  | 6.3  | 5.4 | 4.9              | 6.6  | 5.6 | 4.9              | 6.8  | 5.6 | 4.9              | 6.8  | 5.6 | 4.9              | 6.6  | 5.5 | 4.8              | 6.1 | 5.4 | 4.8              | 4.3 | 4   | 4                                                                                   | 190 |     |
| 195                                                                               |                 |     |     |                  | 6.2  | 5.3 | 4.9              | 6.4  | 5.5 | 4.9              | 6.6  | 5.5 | 4.9              | 6.6  | 5.5 | 4.8              | 6.5  | 5.5 | 4.8              | 5.9 | 5.3 | 4.7              | 4.1 | 3.9 | 3.9                                                                                 | 195 |     |
| 200                                                                               |                 |     |     |                  | 6    | 5.3 | 4.9              | 6.2  | 5.4 | 4.8              | 6.4  | 5.4 | 4.8              | 6.5  | 5.4 | 4.8              | 6.4  | 5.4 | 4.8              | 5.7 | 5.3 | 4.7              | 4   | 3.8 | 3.8                                                                                 | 200 |     |
| 205                                                                               |                 |     |     |                  | 5.8  | 5.2 | 4.8              | 6    | 5.3 | 4.8              | 6.3  | 5.3 | 4.8              | 6.3  | 5.3 | 4.8              | 6.2  | 5.3 | 4.7              | 5.5 | 5.2 | 4.7              | 3.9 | 3.7 | 3.7                                                                                 | 205 |     |
| 210                                                                               |                 |     |     |                  | 5.6  | 5.1 | 4.8              | 5.9  | 5.2 | 4.8              | 6.1  | 5.3 | 4.8              | 6.2  | 5.3 | 4.8              | 6.1  | 5.2 | 4.7              | 5.4 | 5.1 | 4.7              | 3.8 | 3.6 | 3.6                                                                                 | 210 |     |
| 215                                                                               |                 |     |     |                  | 5.4  | 5   | 4.8              | 5.7  | 5.1 | 4.8              | 5.9  | 5.2 | 4.8              | 6    | 5.2 | 4.7              | 6    | 5.2 | 4.7              | 5.2 | 5   | 4.7              | 3.6 | 3.5 | 3.5                                                                                 | 215 |     |
| 220                                                                               |                 |     |     |                  | 5.3  | 5   | 4.8              | 5.6  | 5.1 | 4.8              | 5.8  | 5.1 | 4.8              | 5.9  | 5.1 | 4.7              | 5.8  | 5.1 | 4.7              | 5   | 4.9 | 4.6              | 3.5 | 3.4 | 3.4                                                                                 | 220 |     |
| 225                                                                               |                 |     |     |                  | 5.2  | 4.9 | 4.8              | 5.4  | 5   | 4.8              | 5.6  | 5.1 | 4.8              | 5.8  | 5.1 | 4.7              | 5.7  | 5   | 4.7              | 4.8 | 4.8 | 4.6              | 3.4 | 3.3 | 3.3                                                                                 | 225 |     |
| 230                                                                               |                 |     |     |                  | 5    | 4.9 | 4.8              | 5.3  | 5   | 4.8              | 5.5  | 5   | 4.8              | 5.6  | 5   | 4.7              | 5.5  | 5   | 4.7              | 4.6 | 4.7 | 4.6              | 3.3 | 3.2 | 3.3                                                                                 | 230 |     |
| 235                                                                               |                 |     |     |                  | 4.9  | 4.9 | 4.8              | 5.2  | 4.9 | 4.8              | 5.4  | 4.9 | 4.8              | 5.5  | 5   | 4.7              | 5.4  | 4.9 | 4.7              | 4.4 | 4.6 | 4.6              | 3.2 | 3.1 | 3.2                                                                                 | 235 |     |
| 240                                                                               |                 |     |     |                  | 4.8  | 4.9 |                  | 5    | 4.9 | 4.8              | 5.2  | 4.9 | 4.8              | 5.4  | 4.9 | 4.7              | 5.2  | 4.9 | 4.7              | 4.2 | 4.5 | 4.6              | 3.1 | 3   | 3.1                                                                                 | 240 |     |
| 245                                                                               |                 |     |     |                  | 4.7  | 4.8 |                  | 4.9  | 4.8 | 4.8              | 5.1  | 4.9 | 4.8              | 5.3  | 4.9 | 4.7              | 5.1  | 4.9 | 4.7              | 4.1 | 4.3 | 4.6              | 3   | 2.9 | 3                                                                                   | 245 |     |
| 250                                                                               |                 |     |     |                  | 4.6  | 4.8 |                  | 4.8  | 4.8 | 4.8              | 5    | 4.8 | 4.8              | 5.2  | 4.8 | 4.7              | 4.9  | 4.8 | 4.7              | 3.9 | 4.1 | 4.4              | 2.9 | 2.8 | 3                                                                                   | 250 |     |
| 255                                                                               |                 |     |     |                  |      |     |                  | 4.7  | 4.8 |                  | 4.9  | 4.8 | 4.8              | 5    | 4.8 | 4.7              | 4.6  | 4.7 | 4.7              | 3.7 | 4   | 4.3              | 2.8 | 2.7 | 2.9                                                                                 | 255 |     |
| 260                                                                               |                 |     |     |                  |      |     |                  | 4.6  | 4.8 |                  | 4.8  | 4.7 | 4.8              | 4.7  | 4.7 | 4.7              | 4.2  | 4.6 | 4.7              | 3.5 | 3.8 | 4.1              | 2.6 | 2.6 | 2.8                                                                                 | 260 |     |
| 265                                                                               |                 |     |     |                  |      |     |                  | 4    | 4.8 |                  | 4.7  | 4.7 |                  | 4.5  | 4.7 | 4.7              | 3.8  | 4.5 | 4.7              | 3.3 | 3.6 | 4                |     | 2.6 | 2.8                                                                                 | 265 |     |
| 270                                                                               |                 |     |     |                  |      |     |                  |      | 2.6 |                  | 4.6  | 4.7 |                  | 4.2  | 4.7 | 4.7              | 3.4  | 4.3 | 4.6              | 3.1 | 3.5 | 3.8              |     | 2.5 | 2.7                                                                                 | 270 |     |
| 275                                                                               |                 |     |     |                  |      |     |                  |      |     |                  | 4.1  | 4.7 |                  | 4    | 4.4 | 4.5              | 3    | 4   | 4.4              | 2.8 | 3.3 | 3.6              |     | 2.4 | 2.6                                                                                 | 275 |     |
| 280                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  | 3.8  | 4.1 |                  | 2.9  | 3.6 | 4                | 2.4 | 3.1 | 3.4              |     | 2.3 | 2.5                                                                                 | 280 |     |
| 285                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  | 3.5  | 3.9 |                  | 2.7  | 3.1 | 3.5              |     | 2.9 | 3.1              |     |     | 2.4                                                                                 | 285 |     |
| 290                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.5  | 3.7 |                  | 2.5  | 2.8 | 2.9              |     | 2.7 | 2.8              |     |     |                                                                                     | 2.3 | 290 |
| 295                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      | 3.1 |                  | 2.4  | 2.6 |                  |     | 2.5 |                  |     |     |                                                                                     |     | 295 |
| 300                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     | 2.4              |     |     |                  |     |     |                                                                                     |     | 300 |
| 305                                                                               |                 |     |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  |      |     |                  | 2.2 |     |                  |     |     |                                                                                     |     | 305 |

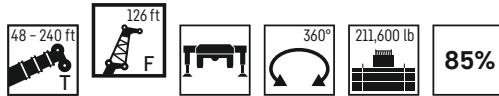
\* adapter - pièce d'adaptateur

t\_240\_003\_50701\_00\_000 / 52701\_00\_000 / 54701\_00\_000

# Lifting capacities

## Forces de levage

# TF 126 ft



|  | 48 + 6 ft 7 in* |     |     | 144 + 6 ft 7 in* |     |     | 160 + 6 ft 7 in* |     |     | 176 + 6 ft 7 in* |     |     | 192 + 6 ft 7 in* |     |     | 208 + 6 ft 7 in* |     |     | 224 + 6 ft 7 in* |     |     | 240 + 6 ft 7 in* |     |     |  |
|-----------------------------------------------------------------------------------|-----------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°              | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° |                                                                                     |
| 28                                                                                | 16.7            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 28                                                                                  |
| 30                                                                                | 16.4            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 30                                                                                  |
| 32                                                                                | 16              |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 32                                                                                  |
| 34                                                                                | 15.6            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 34                                                                                  |
| 36                                                                                | 15.2            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 36                                                                                  |
| 38                                                                                | 14.8            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 38                                                                                  |
| 40                                                                                | 14.5            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 40                                                                                  |
| 45                                                                                | 13.6            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 45                                                                                  |
| 50                                                                                | 12.8            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 50                                                                                  |
| 55                                                                                | 12              |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 55                                                                                  |
| 60                                                                                | 11.3            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 60                                                                                  |
| 65                                                                                | 10.6            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 65                                                                                  |
| 70                                                                                | 9.9             | 8.1 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 70                                                                                  |
| 75                                                                                | 9.2             | 7.8 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 75                                                                                  |
| 80                                                                                | 8.7             | 7.3 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 80                                                                                  |
| 85                                                                                | 8.1             | 7   |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 85                                                                                  |
| 90                                                                                | 7.6             | 6.6 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 90                                                                                  |
| 95                                                                                | 7.3             | 6.3 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 95                                                                                  |
| 100                                                                               | 6.9             | 6   |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 100                                                                                 |
| 105                                                                               | 6.5             | 5.7 | 4.9 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 105                                                                                 |
| 110                                                                               | 6.2             | 5.4 | 4.7 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 110                                                                                 |
| 115                                                                               | 5.9             | 5.2 | 4.5 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 115                                                                                 |
| 120                                                                               | 5.6             | 5   | 4.4 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 120                                                                                 |
| 125                                                                               | 5.3             | 4.8 | 4.2 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 125                                                                                 |
| 130                                                                               | 5               | 4.6 | 4.1 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 130                                                                                 |
| 135                                                                               | 4.8             | 4.4 | 4   |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 135                                                                                 |
| 140                                                                               | 4.6             | 4.2 | 3.9 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 140                                                                                 |
| 145                                                                               | 4.4             | 4.1 | 3.8 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 145                                                                                 |
| 150                                                                               | 4.2             | 4   | 3.7 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 150                                                                                 |
| 155                                                                               | 4               | 3.9 | 3.7 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 155                                                                                 |
| 160                                                                               | 3.8             | 3.8 | 3.7 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 160                                                                                 |
| 165                                                                               | 3.7             | 3.8 | 3.7 |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 165                                                                                 |
| 170                                                                               | 3.6             | 3.8 |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 170                                                                                 |
| 175                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 175                                                                                 |
| 180                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 180                                                                                 |
| 185                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 185                                                                                 |
| 190                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 190                                                                                 |
| 195                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 195                                                                                 |
| 200                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 200                                                                                 |
| 205                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 205                                                                                 |
| 210                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 210                                                                                 |
| 215                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 215                                                                                 |
| 220                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 220                                                                                 |
| 225                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 225                                                                                 |
| 230                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 230                                                                                 |
| 235                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 235                                                                                 |
| 240                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 240                                                                                 |
| 245                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 245                                                                                 |
| 250                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 250                                                                                 |
| 255                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 255                                                                                 |
| 260                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 260                                                                                 |
| 265                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 265                                                                                 |
| 270                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 270                                                                                 |
| 275                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 275                                                                                 |
| 280                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 280                                                                                 |
| 285                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 285                                                                                 |
| 290                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 290                                                                                 |
| 295                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 295                                                                                 |
| 300                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 300                                                                                 |
| 305                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 305                                                                                 |

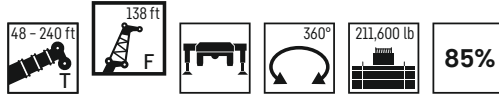
\* adapter - pièce d'adaptateur

t\_240\_003,50801\_00\_000 / 52801\_00\_000 / 54801\_00\_000

# Lifting capacities

## Forces de levage

# TF 138 ft



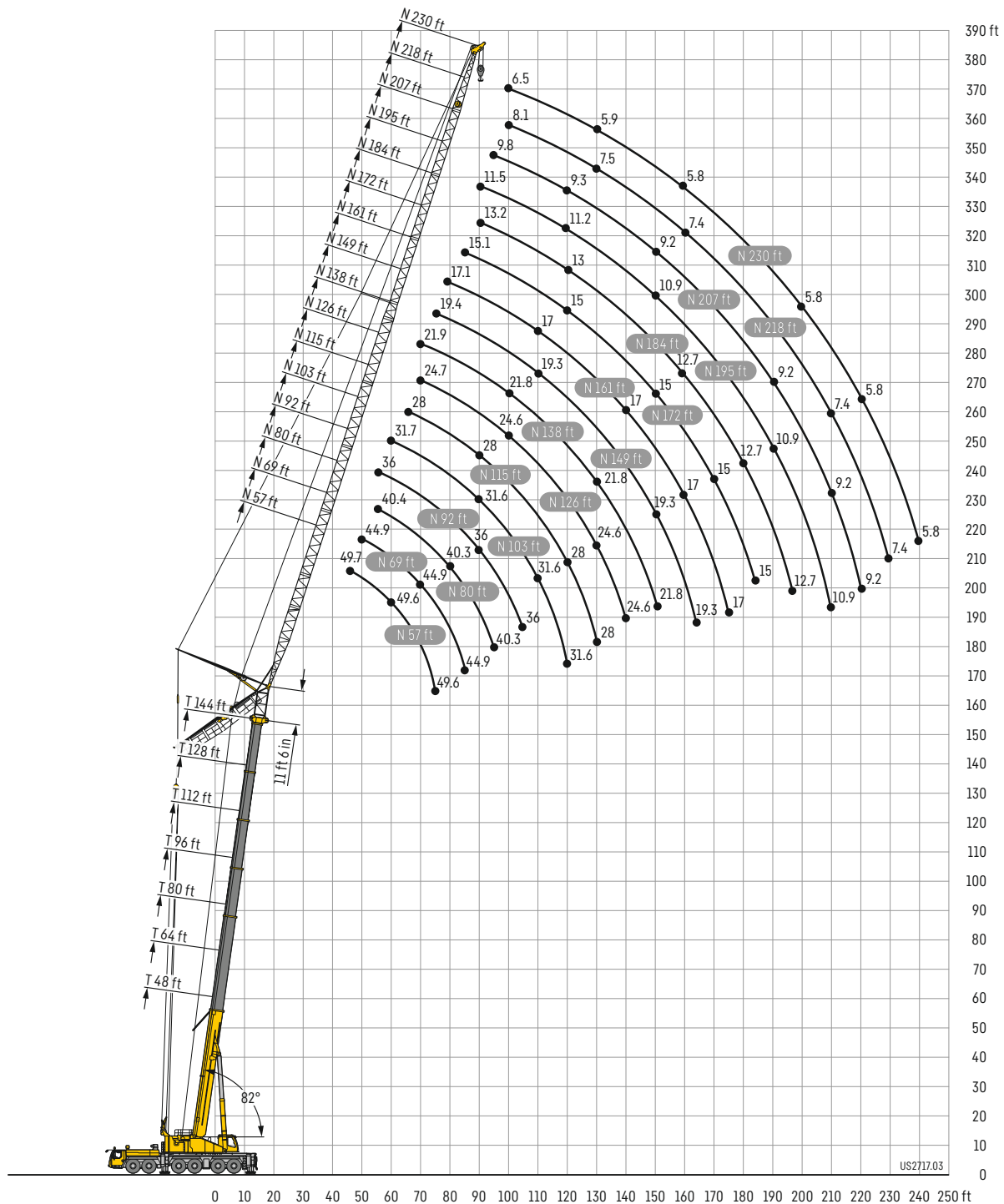
|  | 48 + 6 ft 7 in* |     |     | 144 + 6 ft 7 in* |     |     | 160 + 6 ft 7 in* |     |     | 176 + 6 ft 7 in* |     |     | 192 + 6 ft 7 in* |     |     | 208 + 6 ft 7 in* |     |     | 224 + 6 ft 7 in* |     |     | 240 + 6 ft 7 in* |     |     |  |
|-----------------------------------------------------------------------------------|-----------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 0°              | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° | 0°               | 20° | 40° |                                                                                     |
| 30                                                                                | 14.2            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 30                                                                                  |
| 32                                                                                | 14              |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 32                                                                                  |
| 34                                                                                | 13.7            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 34                                                                                  |
| 36                                                                                | 13.4            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 36                                                                                  |
| 38                                                                                | 13.1            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 38                                                                                  |
| 40                                                                                | 12.7            |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 40                                                                                  |
| 45                                                                                | 12              |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 45                                                                                  |
| 50                                                                                | 11.3            |     |     | 14               |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 50                                                                                  |
| 55                                                                                | 10.6            |     |     | 13.5             |     |     | 12.9             |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 55                                                                                  |
| 60                                                                                | 10              |     |     | 13               |     |     | 12.5             |     |     | 11.7             |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     |     | 60                                                                                  |
| 65                                                                                | 9.4             |     |     | 12.4             |     |     | 12               |     |     | 11.4             |     |     | 10.5             |     |     |                  |     |     |                  |     |     |                  |     |     | 65                                                                                  |
| 70                                                                                | 8.8             |     |     | 11.9             |     |     | 11.6             |     |     | 11               |     |     | 10.2             |     |     |                  |     |     |                  |     |     |                  |     |     | 70                                                                                  |
| 75                                                                                | 8.2             |     |     | 11.5             |     |     | 11.1             |     |     | 10.6             |     |     | 9.9              |     |     | 8.9              |     |     |                  |     |     |                  |     |     | 75                                                                                  |
| 80                                                                                | 7.6             | 6.5 |     | 11               |     |     | 10.7             |     |     | 10.2             |     |     | 9.6              |     |     | 8.7              |     |     | 6.9              |     |     |                  |     |     | 80                                                                                  |
| 85                                                                                | 7.2             | 6.2 |     | 10.6             |     |     | 10.4             |     |     | 9.9              |     |     | 9.3              |     |     | 8.5              |     |     | 6.9              |     |     | 4.2              |     |     | 85                                                                                  |
| 90                                                                                | 6.8             | 5.8 |     | 10.1             |     |     | 10               |     |     | 9.6              |     |     | 9                |     |     | 8.2              |     |     | 6.8              |     |     | 4.2              |     |     | 90                                                                                  |
| 95                                                                                | 6.5             | 5.5 |     | 9.7              |     |     | 9.6              |     |     | 9.3              |     |     | 8.7              |     |     | 8                |     |     | 6.7              |     |     | 4.2              |     |     | 95                                                                                  |
| 100                                                                               | 6.1             | 5.2 |     | 9.3              | 6.5 |     | 9.2              |     |     | 8.9              |     |     | 8.5              |     |     | 7.7              |     |     | 6.6              |     |     | 4.3              |     |     | 100                                                                                 |
| 105                                                                               | 5.8             | 5   |     | 8.9              | 6.3 |     | 8.9              | 6.3 |     | 8.6              |     |     | 8.2              |     |     | 7.5              |     |     | 6.6              |     |     | 4.3              |     |     | 105                                                                                 |
| 110                                                                               | 5.5             | 4.7 |     | 8.5              | 6.1 |     | 8.5              | 6.1 |     | 8.3              | 6   |     | 7.9              |     |     | 7.2              |     |     | 6.5              |     |     | 4.3              |     |     | 110                                                                                 |
| 115                                                                               | 5.2             | 4.5 | 3.9 | 8.2              | 5.8 |     | 8.2              | 5.9 |     | 8                | 5.8 |     | 7.6              |     |     | 7                |     |     | 6.3              |     |     | 4.3              |     |     | 115                                                                                 |
| 120                                                                               | 4.9             | 4.3 | 3.7 | 7.8              | 5.6 |     | 7.8              | 5.7 |     | 7.7              | 5.6 |     | 7.3              | 5.5 |     | 6.8              |     |     | 6.2              |     |     | 4.3              |     |     | 120                                                                                 |
| 125                                                                               | 4.7             | 4.1 | 3.6 | 7.5              | 5.5 |     | 7.5              | 5.5 |     | 7.5              | 5.5 |     | 7.1              | 5.4 |     | 6.7              | 5.2 |     | 6                |     |     | 4.2              |     |     | 125                                                                                 |
| 130                                                                               | 4.5             | 3.9 | 3.4 | 7.2              | 5.3 |     | 7.2              | 5.3 |     | 7.2              | 5.3 |     | 6.9              | 5.2 |     | 6.5              | 5   |     | 5.9              |     |     | 4.2              |     |     | 130                                                                                 |
| 135                                                                               | 4.2             | 3.8 | 3.3 | 6.9              | 5.1 | 3.6 | 7                | 5.1 |     | 6.9              | 5.1 |     | 6.7              | 5   |     | 6.3              | 4.9 |     | 5.8              | 4.6 |     | 4.1              |     |     | 135                                                                                 |
| 140                                                                               | 4               | 3.6 | 3.2 | 6.7              | 5   | 3.6 | 6.7              | 5   | 3.6 | 6.7              | 5   |     | 6.5              | 4.9 |     | 6.1              | 4.8 |     | 5.6              | 4.5 |     | 4                |     |     | 140                                                                                 |
| 145                                                                               | 3.9             | 3.5 | 3.1 | 6.5              | 4.8 | 3.5 | 6.5              | 4.9 | 3.5 | 6.5              | 4.8 | 3.4 | 6.3              | 4.8 |     | 6                | 4.6 |     | 5.5              | 4.4 |     | 3.9              | 3.7 |     | 145                                                                                 |
| 150                                                                               | 3.7             | 3.3 | 3   | 6.2              | 4.6 | 3.4 | 6.3              | 4.7 | 3.4 | 6.3              | 4.7 | 3.4 | 6.1              | 4.6 | 3.3 | 5.8              | 4.5 |     | 5.4              | 4.3 |     | 3.8              | 3.6 |     | 150                                                                                 |
| 155                                                                               | 3.5             | 3.2 | 2.9 | 6                | 4.5 | 3.3 | 6.1              | 4.6 | 3.3 | 6.1              | 4.6 | 3.3 | 6                | 4.5 | 3.2 | 5.7              | 4.4 |     | 5.3              | 4.2 |     | 3.7              | 3.4 |     | 155                                                                                 |
| 160                                                                               | 3.3             | 3.1 | 2.9 | 5.8              | 4.4 | 3.3 | 5.9              | 4.4 | 3.3 | 5.9              | 4.5 | 3.2 | 5.8              | 4.4 | 3.2 | 5.5              | 4.3 | 3.1 | 5.2              | 4.1 |     | 3.5              | 3.3 |     | 160                                                                                 |
| 165                                                                               | 3.2             | 3   | 2.9 | 5.6              | 4.2 | 3.2 | 5.7              | 4.3 | 3.2 | 5.8              | 4.3 | 3.2 | 5.6              | 4.3 | 3.2 | 5.4              | 4.2 | 3.1 | 5                | 4   |     | 3.4              | 3.1 |     | 165                                                                                 |
| 170                                                                               | 3               | 3   | 2.9 | 5.4              | 4.1 | 3.1 | 5.5              | 4.2 | 3.2 | 5.6              | 4.2 | 3.1 | 5.5              | 4.2 | 3.1 | 5.2              | 4.1 | 3   | 4.9              | 3.9 | 2.9 | 3.3              | 3   |     | 170                                                                                 |
| 175                                                                               | 2.9             | 2.9 | 2.9 | 5.2              | 4   | 3.1 | 5.4              | 4.1 | 3.1 | 5.4              | 4.1 | 3.1 | 5.3              | 4.1 | 3.1 | 5.1              | 4   | 3   | 4.8              | 3.8 | 2.8 | 3.1              | 2.9 |     | 175                                                                                 |
| 180                                                                               | 2.8             | 2.9 |     | 5                | 3.9 | 3   | 5.2              | 4   | 3.1 | 5.3              | 4   | 3   | 5.2              | 4   | 3   | 5                | 3.9 | 2.9 | 4.7              | 3.8 | 2.8 | 3                | 2.7 | 2.7 | 180                                                                                 |
| 185                                                                               | 2.8             |     |     | 4.9              | 3.8 | 3   | 5                | 3.9 | 3   | 5.1              | 3.9 | 3   | 5                | 3.9 | 3   | 4.9              | 3.8 | 2.9 | 4.6              | 3.7 | 2.8 | 2.8              | 2.6 | 2.6 | 185                                                                                 |
| 190                                                                               |                 |     |     | 4.7              | 3.7 | 2.9 | 4.9              | 3.8 | 3   | 5                | 3.8 | 3   | 4.9              | 3.8 | 2.9 | 4.8              | 3.7 | 2.9 | 4.5              | 3.6 | 2.8 | 2.7              | 2.5 | 2.6 | 190                                                                                 |
| 195                                                                               |                 |     |     | 4.5              | 3.6 | 2.9 | 4.7              | 3.7 | 2.9 | 4.8              | 3.7 | 2.9 | 4.8              | 3.7 | 2.9 | 4.7              | 3.6 | 2.9 | 4.4              | 3.5 | 2.8 | 2.5              | 2.3 | 2.5 | 195                                                                                 |
| 200                                                                               |                 |     |     | 4.4              | 3.5 | 2.9 | 4.6              | 3.6 | 2.9 | 4.7              | 3.6 | 2.9 | 4.7              | 3.6 | 2.9 | 4.5              | 3.6 | 2.8 | 4.3              | 3.5 | 2.7 | 2.4              | 2.2 | 2.4 | 200                                                                                 |
| 205                                                                               |                 |     |     | 4.2              | 3.4 | 2.9 | 4.4              | 3.5 | 2.9 | 4.5              | 3.5 | 2.9 | 4.6              | 3.5 | 2.9 | 4.4              | 3.5 | 2.8 | 4.2              | 3.4 | 2.7 | 2.3              |     | 2.3 | 205                                                                                 |
| 210                                                                               |                 |     |     | 4.1              | 3.4 | 2.9 | 4.3              | 3.4 | 2.9 | 4.4              | 3.5 | 2.9 | 4.4              | 3.5 | 2.8 | 4.3              | 3.4 | 2.8 | 4.1              | 3.3 | 2.7 | 2.2              |     | 2.1 | 210                                                                                 |
| 215                                                                               |                 |     |     | 4                | 3.3 | 2.9 | 4.2              | 3.4 | 2.8 | 4.3              | 3.4 | 2.9 | 4.3              | 3.4 | 2.8 | 4.2              | 3.4 | 2.8 | 4                | 3.3 | 2.7 |                  |     |     | 215                                                                                 |
| 220                                                                               |                 |     |     | 3.8              | 3.2 | 2.9 | 4                | 3.3 | 2.8 | 4.2              | 3.3 | 2.9 | 4.2              | 3.3 | 2.8 | 4.1              | 3.3 | 2.8 | 3.9              | 3.2 | 2.7 |                  |     |     | 220                                                                                 |
| 225                                                                               |                 |     |     | 3.7              | 3.2 | 2.9 | 3.9              | 3.2 | 2.8 | 4                | 3.3 | 2.8 | 4.1              | 3.3 | 2.8 | 4.1              | 3.2 | 2.8 | 3.7              | 3.2 | 2.7 |                  |     |     | 225                                                                                 |
| 230                                                                               |                 |     |     | 3.6              | 3.1 | 2.9 | 3.8              | 3.2 | 2.8 | 3.9              | 3.2 | 2.8 | 4                | 3.2 | 2.8 | 4                | 3.2 | 2.8 | 3.5              | 3.1 | 2.7 |                  |     |     | 230                                                                                 |
| 235                                                                               |                 |     |     | 3.5              | 3   | 2.9 | 3.7              | 3.1 | 2.8 | 3.8              | 3.1 | 2.8 | 3.9              | 3.1 | 2.8 | 3.9              | 3.1 | 2.8 | 3.4              | 3   | 2.7 |                  |     |     | 235                                                                                 |
| 240                                                                               |                 |     |     | 3.4              | 3   | 2.9 | 3.6              | 3.1 | 2.8 | 3.7              | 3.1 | 2.8 | 3.8              | 3.1 | 2.8 | 3.8              | 3.1 | 2.8 | 3.2              | 3   | 2.7 |                  |     |     | 240                                                                                 |
| 245                                                                               |                 |     |     | 3.3              | 3   | 2.9 | 3.5              | 3   | 2.8 | 3.6              | 3   | 2.8 | 3.7              | 3.1 | 2.8 | 3.7              | 3   | 2.7 | 3.1              | 3   | 2.7 |                  |     |     | 245                                                                                 |
| 250                                                                               |                 |     |     | 3.2              | 2.9 | 2.9 | 3.4              | 3   | 2.8 | 3.5              | 3   | 2.8 | 3.6              | 3   | 2.8 | 3.6              | 3   | 2.7 | 2.9              | 2.9 | 2.7 |                  |     |     | 250                                                                                 |
| 255                                                                               |                 |     |     | 3.1              | 2.9 | 2.9 | 3.3              | 2.9 | 2.8 | 3.4              | 3   | 2.8 | 3.5              | 3   | 2.8 | 3.5              | 3   | 2.7 | 2.8              | 2.9 | 2.7 |                  |     |     | 255                                                                                 |
| 260                                                                               |                 |     |     | 3                | 2.9 |     | 3.2              | 2.9 | 2.8 | 3.3              | 2.9 | 2.8 | 3.4              | 2.9 | 2.8 | 3.4              | 2.9 | 2.7 | 2.6              | 2.8 | 2.7 |                  |     |     | 260                                                                                 |
| 265                                                                               |                 |     |     | 2.9              | 2.9 |     | 3.1              | 2.9 | 2.8 | 3.2              | 2.9 | 2.8 | 3.3              | 2.9 | 2.8 | 3.3              | 2.9 | 2.7 | 2.5              | 2.8 | 2.7 |                  |     |     | 265                                                                                 |
| 270                                                                               |                 |     |     | 2.8              | 2.9 |     | 3                | 2.9 | 2.8 | 3.2              | 2.9 | 2.8 | 3.3              | 2.9 | 2.8 | 3.2              | 2.8 | 2.7 |                  | 2.6 | 2.7 |                  |     |     | 270                                                                                 |
| 275                                                                               |                 |     |     | 2.8              | 2.9 |     | 2.9              | 2.9 |     | 3.1              | 2.9 | 2.8 | 3.2              | 2.8 | 2.8 | 3                | 2.8 | 2.7 |                  | 2.5 | 2.7 |                  |     |     | 275                                                                                 |
| 280                                                                               |                 |     |     |                  |     |     | 2.9              | 2.9 |     | 3                | 2.8 | 2.8 | 3.1              | 2.8 | 2.8 | 2.7              | 2.8 | 2.7 |                  | 2.3 | 2.6 |                  |     |     | 280                                                                                 |
| 285                                                                               |                 |     |     |                  |     |     | 2.8              | 2.9 |     | 2.9              | 2.8 | 2.8 | 2.9              | 2.8 | 2.8 | 2.3              | 2.8 | 2.7 |                  | 2.2 | 2.5 |                  |     |     | 285                                                                                 |
| 290                                                                               |                 |     |     |                  |     |     |                  | 2.9 |     | 2.9              | 2.8 |     | 2.8              | 2.8 | 2.8 |                  | 2.8 | 2.7 |                  |     | 2.4 |                  |     |     | 290                                                                                 |
| 295                                                                               |                 |     |     |                  |     |     |                  |     |     | 2.8              | 2.8 |     | 2.6              | 2.8 | 2.8 |                  | 2.7 | 2.7 |                  |     | 2.2 |                  |     |     | 295                                                                                 |
| 300                                                                               |                 |     |     |                  |     |     |                  |     |     | 2.8              |     |     | 2.4              | 2.7 |     |                  | 2.3 | 2.6 |                  |     |     |                  |     |     | 300                                                                                 |
| 305                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     | 2.2 |                  | 2.1 | 2.5 |                  |     |     |                  |     |     |                  |     |     | 305                                                                                 |
| 310                                                                               |                 |     |     |                  |     |     |                  |     |     |                  |     |     |                  |     | 2.3 |                  |     |     |                  |     |     |                  |     |     | 310                                                                                 |

\* adapter - pièce d'adaptateur

t 240,003,50901,00,000 / 52901,00,000 / 54901,00,000

# Lifting heights

## Hauteurs de levage



# Lifting capacities

## Forces de levage

# TN 57 ft



|     | 48 + 11 ft 6 in* |       |      | 64 + 11 ft 6 in* |       |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|-------|------|------------------|-------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°   | 68°  | 82°              | 75°   | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 26  | 110.7            |       |      |                  |       |      |                  |      |      |                  |      |      |                   |      |      | 26  |
| 28  | 110.8            |       |      |                  |       |      |                  |      |      |                  |      |      |                   |      |      | 28  |
| 30  | 110.7            |       |      | 103.2            |       |      |                  |      |      |                  |      |      |                   |      |      | 30  |
| 32  | 110.3            |       |      | 103.9            |       |      | 93.9             |      |      |                  |      |      |                   |      |      | 32  |
| 34  | 109.3            |       |      | 104.4            |       |      | 94.2             |      |      | 82.8             |      |      |                   |      |      | 34  |
| 36  | 108              |       |      | 104.8            |       |      | 94.4             |      |      | 82.8             |      |      |                   |      |      | 36  |
| 38  | 107              |       |      | 104.9            |       |      | 94.4             |      |      | 82.7             |      |      | 70.8              |      |      | 38  |
| 40  | 106.1            | 105.1 |      | 104.6            |       |      | 94.4             |      |      | 82.6             |      |      | 70.7              |      |      | 40  |
| 45  | 103.5            | 98.5  |      | 102.5            | 100.6 |      | 94.4             |      |      | 82.6             |      |      | 70.7              |      |      | 45  |
| 50  | 95.6             | 93.2  |      | 100.2            | 97.6  |      | 94.4             | 91.4 |      | 82.6             |      |      | 70.7              |      |      | 50  |
| 55  | 83.9             | 89.5  | 86.2 | 90.4             | 94.6  |      | 93               | 91.1 |      | 82.6             | 79.8 |      | 70.7              |      |      | 55  |
| 60  | 65.5             | 86.5  | 81.6 | 79               | 91.7  | 89.2 | 85.4             | 89.9 |      | 82.6             | 79.9 |      | 70.7              | 68.2 |      | 60  |
| 65  |                  | 78.8  | 78.3 |                  | 88    | 84.7 | 72.9             | 88.8 |      | 80.5             | 80.4 |      | 70.7              | 68.2 |      | 65  |
| 70  |                  |       | 77.2 |                  | 78.3  | 81.6 |                  | 86.3 | 81.7 |                  | 80.8 |      | 70.7              | 68.2 |      | 70  |
| 75  |                  |       | 72.9 |                  |       | 79   |                  | 78   | 75.9 |                  | 78.5 | 73.1 |                   | 68.2 |      | 75  |
| 80  |                  |       |      |                  |       | 73.7 |                  |      | 70.7 |                  | 73.2 | 68.2 |                   | 68.2 |      | 80  |
| 85  |                  |       |      |                  |       |      |                  |      | 66   |                  |      | 63.7 |                   | 65.9 | 60.1 | 85  |
| 90  |                  |       |      |                  |       |      |                  |      |      |                  |      | 59.7 |                   |      | 56.4 | 90  |
| 95  |                  |       |      |                  |       |      |                  |      |      |                  |      |      |                   |      | 53   | 95  |
| 100 |                  |       |      |                  |       |      |                  |      |      |                  |      |      |                   |      | 49.9 | 100 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |     | 176 + 11 ft 6 in* |      | 192 + 11 ft 6 in* |      | 208 + 11 ft 6 in* | 224 + 11 ft 6 in* | 240 + 11 ft 6 in* |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|-----|-------------------|------|-------------------|------|-------------------|-------------------|-------------------|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68° | 82°               | 75°  | 82°               | 75°  | 82°               | 82°               | 82°               |     |
| 40  | 60.7              |      |      |                   |      |      |                   |      |     |                   |      |                   |      |                   |                   |                   | 40  |
| 45  | 60.6              |      |      | 49.7              |      |      |                   |      |     |                   |      |                   |      |                   |                   |                   | 45  |
| 50  | 60.5              |      |      | 49.6              |      |      | 39.3              |      |     |                   |      |                   |      |                   |                   |                   | 50  |
| 55  | 60.5              |      |      | 49.6              |      |      | 39.2              |      |     | 32.2              |      | 25                |      |                   |                   |                   | 55  |
| 60  | 60.5              |      |      | 49.6              |      |      | 39                |      |     | 32.1              |      | 24.9              |      | 18.7              |                   |                   | 60  |
| 65  | 60.5              | 58.4 |      | 49.6              |      |      | 38.9              |      |     | 32                |      | 24.9              |      | 18.7              | 12.7              | 7.7               | 65  |
| 70  | 60.5              | 58.5 |      | 49.6              |      |      | 38.9              |      |     | 31.9              |      | 24.8              |      | 18.6              | 12.6              | 7.6               | 70  |
| 75  |                   | 58.8 |      | 49.6              | 48   |      | 38.9              |      |     | 31.9              |      | 24.8              |      | 18.5              | 12.4              | 7.4               | 75  |
| 80  |                   | 59.1 |      |                   | 48.1 |      |                   | 37.8 |     |                   |      | 24.8              |      | 18.4              | 12.3              | 7.3               | 80  |
| 85  |                   | 59.1 |      |                   | 48   |      |                   | 37.6 |     |                   | 30.3 |                   |      |                   | 12.2              | 7.2               | 85  |
| 90  |                   | 59   | 54.3 |                   | 47   |      |                   | 37.4 |     |                   | 30.2 |                   |      |                   |                   |                   | 90  |
| 95  |                   |      | 51.1 |                   |      |      |                   | 37.3 |     |                   | 30   |                   | 23.2 |                   |                   |                   | 95  |
| 100 |                   |      | 48.2 |                   |      | 40.6 |                   |      |     |                   | 29.9 |                   | 23.1 |                   |                   |                   | 100 |
| 105 |                   |      | 45.5 |                   |      | 39.2 |                   |      |     |                   |      |                   | 22.9 |                   |                   |                   | 105 |
| 110 |                   |      |      |                   |      | 37.9 |                   |      |     |                   |      |                   |      |                   |                   |                   | 110 |
| 115 |                   |      |      |                   |      |      |                   |      |     |                   |      |                   |      |                   |                   |                   | 115 |

\* adapter - pièce d'adaptateur

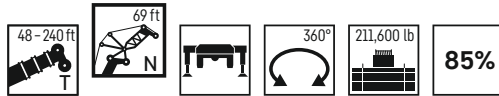
\*\* Hookblock with deadweight of 2,200 lb necessary - Moufle a crochet de poids minimal de 2,200 lb nécessaire

t\_240\_004\_50101\_00\_000

# Lifting capacities

## Forces de levage

# TN 69 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 30  | 97.7             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      | 30  |
| 32  | 97.6             |      |      | 91.4             |      |      |                  |      |      |                  |      |      |                   |      |      | 32  |
| 34  | 97.1             |      |      | 91.5             |      |      |                  |      |      |                  |      |      |                   |      |      | 34  |
| 36  | 96.2             |      |      | 91.6             |      |      | 83.4             |      |      |                  |      |      |                   |      |      | 36  |
| 38  | 95.1             |      |      | 91.4             |      |      | 83.2             |      |      | 73.4             |      |      |                   |      |      | 38  |
| 40  | 94               |      |      | 91.1             |      |      | 83.1             |      |      | 73.4             |      |      |                   |      |      | 40  |
| 45  | 91.5             | 90.3 |      | 89.5             |      |      | 82.8             |      |      | 73.1             |      |      | 63.4              |      |      | 45  |
| 50  | 89.4             | 86.9 |      | 87.9             | 86.8 |      | 82.6             |      |      | 73               |      |      | 63.3              |      |      | 50  |
| 55  | 87.9             | 83   |      | 86.8             | 84.4 |      | 82.3             | 80.5 |      | 73               |      |      | 63.3              |      |      | 55  |
| 60  | 83.7             | 79.6 | 77.8 | 85.6             | 82.5 |      | 81.9             | 79.2 |      | 73               | 70.9 |      | 63.3              |      |      | 60  |
| 65  | 73.7             | 77.3 | 73.7 | 81.2             | 80.8 | 79.3 | 81.9             | 77.7 |      | 73               | 70.8 |      | 63.3              | 61.3 |      | 65  |
| 70  | 57.8             | 75.9 | 70.6 | 69.3             | 79.6 | 76.3 | 77               | 76.6 |      | 73               | 70.5 |      | 63.3              | 61.2 |      | 70  |
| 75  |                  | 70.6 | 68.3 | 51.8             | 79.2 | 73.6 | 64.4             | 76   | 74.2 | 73               | 69.9 |      | 63.3              | 61.2 |      | 75  |
| 80  |                  |      | 67.7 |                  | 71.4 | 71.4 |                  | 74.8 | 70.3 |                  | 69.7 | 67.6 | 63.3              | 61.2 |      | 80  |
| 85  |                  |      | 65.8 |                  |      | 68.6 |                  | 69.9 | 65.7 |                  | 68.3 | 63.5 |                   | 61.2 |      | 85  |
| 90  |                  |      |      |                  |      | 64.4 |                  |      | 61.6 |                  | 64.2 | 59.6 |                   | 60.8 | 55.9 | 90  |
| 95  |                  |      |      |                  |      |      |                  |      | 57.9 |                  |      | 56   |                   | 58   | 52.6 | 95  |
| 100 |                  |      |      |                  |      |      |                  |      |      |                  |      | 52.9 |                   |      | 49.7 | 100 |
| 105 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 46.9 | 105 |
| 110 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 44.4 | 110 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |      |      | 208 + 11 ft 6 in* |      |     | 224 + 11 ft 6 in* |     |     | 240 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|-----|-------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68° | 82°               | 75° | 68° | 82°               | 75° | 68° |     |
| 45  | 54.5              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     |     |                   |     |     | 45  |
| 50  | 54.5              |      |      | 44.9              |      |      | 34.6              |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     |     |                   |     |     | 50  |
| 55  | 54.5              |      |      | 44.9              |      |      | 34.5              |      |      | 28.3              |      |      |                   |      |      |                   |      |     |                   |     |     |                   |     |     | 55  |
| 60  | 54.5              |      |      | 44.9              |      |      | 34.2              |      |      | 28.2              |      |      | 21.5              |      |      |                   |      |     |                   |     |     |                   |     |     | 60  |
| 65  | 54.5              |      |      | 44.9              |      |      | 34                |      |      | 28                |      |      | 21.4              |      |      | 15.9              |      |     |                   |     |     |                   |     |     | 65  |
| 70  | 54.5              | 52.7 |      | 44.9              |      |      | 33.9              |      |      | 27.9              |      |      | 21.3              |      |      | 15.7              |      |     | 10.3              |     |     | 5.9               |     |     | 70  |
| 75  | 54.5              | 52.8 |      | 44.9              |      |      | 33.8              |      |      | 27.8              |      |      | 21.3              |      |      | 15.6              |      |     | 10.1              |     |     | 5.8               |     |     | 75  |
| 80  | 54.5              | 52.9 |      | 44.9              | 43.3 |      | 33.8              |      |      | 27.8              |      |      | 21.3              |      |      | 15.4              |      |     | 10                |     |     | 5.7               |     |     | 80  |
| 85  |                   | 53.1 |      | 44.9              | 43   |      | 33.8              | 32.9 |      | 27.7              |      |      | 21.3              |      |      | 15.3              |      |     | 9.9               |     |     | 5.6               |     |     | 85  |
| 90  |                   | 53.3 |      |                   | 42.9 |      |                   | 32.7 |      | 27.7              | 26.8 |      | 21.3              |      |      | 15.3              |      |     | 9.8               |     |     | 5.5               |     |     | 90  |
| 95  |                   | 53.6 | 50.5 |                   | 42.7 |      |                   | 32.6 |      | 26.7              |      |      |                   |      |      | 15.3              |      |     | 9.8               |     |     | 5.5               |     |     | 95  |
| 100 |                   | 52.9 | 47.7 |                   | 42   |      |                   | 32.5 |      | 26.6              |      |      |                   | 20.2 |      |                   |      |     |                   |     |     |                   |     |     | 100 |
| 105 |                   |      | 45.1 |                   | 41.2 | 37.5 |                   | 32.5 |      | 26.5              |      |      |                   | 20.1 |      |                   | 14.1 |     |                   |     |     |                   |     |     | 105 |
| 110 |                   |      | 42.7 |                   |      | 36.3 |                   |      |      | 26.5              |      |      |                   | 20   |      |                   | 13.9 |     |                   |     |     |                   |     |     | 110 |
| 115 |                   |      | 40.5 |                   |      | 35.2 |                   |      | 29.4 |                   |      |      |                   | 19.9 |      |                   | 13.8 |     |                   | 8.7 |     |                   |     |     | 115 |
| 120 |                   |      |      |                   |      | 34.2 |                   |      | 28.5 |                   |      |      |                   |      |      |                   | 13.8 |     |                   | 8.6 |     |                   | 4.5 |     | 120 |
| 125 |                   |      |      |                   |      |      |                   |      | 27.7 |                   |      | 22.4 |                   |      |      |                   |      |     |                   | 8.5 |     |                   | 4.4 |     | 125 |
| 130 |                   |      |      |                   |      |      |                   |      |      |                   | 21.7 |      |                   |      |      |                   |      |     |                   |     |     | 4.4               |     |     | 130 |
| 135 |                   |      |      |                   |      |      |                   |      |      |                   | 21.1 |      |                   |      |      | 16.2              |      |     |                   |     |     |                   |     |     | 135 |
| 140 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 15.7 |                   |      |     |                   |     |     |                   |     |     | 140 |

\* adapter - pièce d'adaptateur

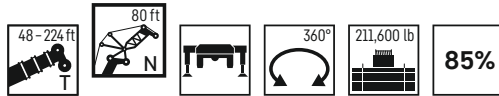
t\_240\_004\_50201\_00\_000



# Lifting capacities

## Forces de levage

# TN 80 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 34  | 85.6             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      | 34  |
| 36  | 85.3             |      |      | 80.1             |      |      |                  |      |      |                  |      |      |                   |      |      | 36  |
| 38  | 84.3             |      |      | 79.9             |      |      |                  |      |      |                  |      |      |                   |      |      | 38  |
| 40  | 83.4             |      |      | 79.7             |      |      | 72.9             |      |      |                  |      |      |                   |      |      | 40  |
| 45  | 81.2             |      |      | 78.9             |      |      | 72.6             |      |      | 64.6             |      |      | 56.3              |      |      | 45  |
| 50  | 79.3             | 78.7 |      | 77.5             |      |      | 72.4             |      |      | 64.4             |      |      | 56.2              |      |      | 50  |
| 55  | 77.5             | 76.4 |      | 76.2             | 75.4 |      | 72               |      |      | 64.4             |      |      | 56.1              |      |      | 55  |
| 60  | 76.2             | 73.7 |      | 75               | 73.7 |      | 71.1             | 70.4 |      | 64.4             |      |      | 56.1              |      |      | 60  |
| 65  | 74.5             | 71.2 | 70.1 | 74.3             | 71.9 |      | 70.5             | 68.9 |      | 64.4             | 62.5 |      | 56.1              |      |      | 65  |
| 70  | 70.6             | 68.8 | 67   | 72.6             | 70.6 |      | 70.3             | 67.6 |      | 64.4             | 62.4 |      | 56.1              | 54.4 |      | 70  |
| 75  | 62.6             | 67.1 | 64   | 68.3             | 69.5 | 68.5 | 70.3             | 66.7 |      | 64.4             | 61.9 |      | 56.1              | 54.3 |      | 75  |
| 80  | 51.6             | 65.8 | 61.7 | 59.7             | 68.8 | 66.2 | 66               | 65.1 |      | 64.4             | 61.2 |      | 56.1              | 54.3 |      | 80  |
| 85  |                  | 61   | 59.9 | 48.5             | 67.9 | 64.4 | 57.4             | 65.6 | 63.7 | 64.3             | 60.7 |      | 56.1              | 54.3 |      | 85  |
| 90  |                  | 49.3 | 59.4 |                  | 61.5 | 62.8 |                  | 65   | 61.5 | 54.4             | 60.6 | 58.7 | 56.1              | 54.3 |      | 90  |
| 95  |                  |      | 57.7 |                  | 50.8 | 60.4 |                  | 61.7 | 57.9 |                  | 60.1 | 55.7 |                   | 54.3 | 52.1 | 95  |
| 100 |                  |      |      |                  | 57   |      |                  |      | 54.6 |                  | 56.8 | 52.6 |                   | 53.9 | 49.3 | 100 |
| 105 |                  |      |      |                  |      |      |                  |      | 51.6 |                  |      | 49.7 |                   | 51.5 | 46.6 | 105 |
| 110 |                  |      |      |                  |      |      |                  |      | 48.9 |                  |      | 47.1 |                   |      | 44.2 | 110 |
| 115 |                  |      |      |                  |      |      |                  |      |      |                  |      | 44.7 |                   |      | 41.9 | 115 |
| 120 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 39.9 | 120 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |      |      | 208 + 11 ft 6 in* |      |      | 224 + 11 ft 6 in* |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° |     |
| 50  | 48.5              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     | 50  |
| 55  | 48.5              |      |      | 40.4              |      |      | 30.4              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     | 55  |
| 60  | 48.4              |      |      | 40.4              |      |      | 30.2              |      |      | 24.3              |      |      |                   |      |      |                   |      |      |                   |     | 60  |
| 65  | 48.4              |      |      | 40.3              |      |      | 30.1              |      |      | 24.3              |      |      | 19                |      |      |                   |      |      |                   |     | 65  |
| 70  | 48.4              |      |      | 40.3              |      |      | 29.9              |      |      | 24.2              |      |      | 19                |      |      | 13.5              |      |      | 8.4               |     | 70  |
| 75  | 48.4              | 46.9 |      | 40.3              |      |      | 29.7              |      |      | 24.1              |      |      | 18.9              |      |      | 13.3              |      |      | 8.3               |     | 75  |
| 80  | 48.4              | 46.9 |      | 40.3              |      |      | 29.6              |      |      | 24                |      |      | 18.9              |      |      | 13.2              |      |      | 8.1               |     | 80  |
| 85  | 48.4              | 47   |      | 40.3              | 38.7 |      | 29.6              |      |      | 23.9              |      |      | 18.9              |      |      | 13.1              |      |      | 8                 |     | 85  |
| 90  | 48.4              | 47   |      | 40.3              | 38.5 |      | 29.6              | 28.8 |      | 23.9              |      |      | 18.9              |      |      | 13                |      |      | 8                 |     | 90  |
| 95  | 48.4              | 47   |      | 40.3              | 38.4 |      | 29.6              | 28.7 |      | 23.9              | 23.2 |      | 18.9              |      |      | 12.9              |      |      | 7.9               |     | 95  |
| 100 |                   | 47   |      |                   | 38.4 |      | 29.6              | 28.6 |      | 23.9              | 23.2 |      | 18.9              |      |      | 12.9              |      |      | 7.9               |     | 100 |
| 105 |                   | 47   | 45   |                   | 38.2 |      |                   | 28.6 |      |                   | 23.1 |      |                   | 17.7 |      | 12.9              |      |      | 7.9               |     | 105 |
| 110 |                   | 47   | 42.6 |                   | 37.8 | 34.5 |                   | 28.6 |      |                   | 23.1 |      |                   | 17.6 |      |                   | 11.7 |      |                   |     | 110 |
| 115 |                   |      | 40.5 |                   | 37.2 | 33.8 |                   | 28.6 |      |                   | 23.1 |      |                   | 17.5 |      |                   | 11.7 |      |                   |     | 115 |
| 120 |                   |      | 38.5 |                   |      | 32.8 |                   | 28.6 | 27.1 |                   | 23.1 |      |                   | 17.4 |      |                   | 11.6 |      |                   | 6.8 | 120 |
| 125 |                   |      | 36.7 |                   |      | 31.9 |                   |      | 26.3 |                   | 23.1 |      |                   | 17.4 |      |                   | 11.5 |      |                   | 6.7 | 125 |
| 130 |                   |      |      |                   |      | 31   |                   |      | 25.6 |                   |      | 20.5 |                   |      |      |                   | 11.5 |      |                   | 6.7 | 130 |
| 135 |                   |      |      |                   |      |      |                   |      | 25   |                   |      | 19.9 |                   |      |      |                   |      |      |                   | 6.6 | 135 |
| 140 |                   |      |      |                   |      |      |                   |      | 24.4 |                   |      | 19.4 |                   |      | 14.8 |                   |      |      |                   |     | 140 |
| 145 |                   |      |      |                   |      |      |                   |      |      |                   |      | 18.9 |                   |      | 14.4 |                   |      |      |                   |     | 145 |
| 150 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 14   |                   |      |      |                   |     | 150 |
| 155 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 10.3 |                   |     | 155 |

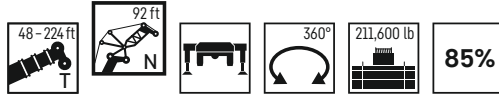
\* adapter - pièce d'adaptateur

t\_240\_004\_50301\_00\_000

# Lifting capacities

## Forces de levage

# TN 92 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 38  | 74.4             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      | 38  |
| 40  | 73.8             |      |      | 70.3             |      |      |                  |      |      |                  |      |      |                   |      |      | 40  |
| 45  | 72               |      |      | 69.5             |      |      | 64.4             |      |      |                  |      |      |                   |      |      | 45  |
| 50  | 70.3             |      |      | 68.5             |      |      | 64               |      |      | 57.4             |      |      | 50.1              |      |      | 50  |
| 55  | 68.8             | 68.4 |      | 67.3             |      |      | 63.4             |      |      | 57.2             |      |      | 50                |      |      | 55  |
| 60  | 67.4             | 66.7 |      | 66.3             | 65.8 |      | 62.9             |      |      | 56.9             |      |      | 49.9              |      |      | 60  |
| 65  | 66.2             | 64.9 |      | 65.2             | 64.3 |      | 62.2             | 61.5 |      | 56.6             |      |      | 49.7              |      |      | 65  |
| 70  | 65.4             | 63.3 |      | 64.5             | 63   |      | 61.5             | 60.5 |      | 56.3             | 54.8 |      | 49.6              |      |      | 70  |
| 75  | 63.9             | 61.5 | 60.6 | 63.9             | 61.8 |      | 61.2             | 59.4 |      | 56.2             | 54.8 |      | 49.6              | 47.7 |      | 75  |
| 80  | 61.2             | 60   | 58.2 | 62.7             | 60.8 | 60.4 | 61               | 58.6 |      | 56.1             | 54.4 |      | 49.6              | 48.1 |      | 80  |
| 85  | 54.8             | 58.9 | 56   | 59.3             | 60.1 | 59   | 61               | 57.9 | 57.4 | 56.1             | 53.7 |      | 49.6              | 47.9 |      | 85  |
| 90  | 46.6             | 57.7 | 54.3 | 52.7             | 59.6 | 57.7 | 57               | 57.4 | 56.4 | 56               | 53.3 |      | 49.6              | 47.8 |      | 90  |
| 95  | 37.4             | 53.8 | 52.9 | 44.6             | 59.2 | 56.4 | 50.4             | 57.2 | 55.3 | 55.5             | 53   | 52.1 | 49.6              | 47.7 |      | 95  |
| 100 |                  | 45.7 | 52.5 |                  | 54.3 | 55.4 | 40               | 56.9 | 54   | 48.4             | 52.8 | 51.4 | 49.6              | 47.7 | 45.1 | 100 |
| 105 |                  |      | 51.8 |                  | 46.9 | 53.7 |                  | 54.8 | 51.3 |                  | 52.8 | 49.3 |                   | 47.7 | 46.1 | 105 |
| 110 |                  |      |      |                  |      | 51   |                  | 47.2 | 48.6 |                  | 50.6 | 46.7 |                   | 47.7 | 44   | 110 |
| 115 |                  |      |      |                  |      |      |                  |      | 46.2 |                  | 47.8 | 44.4 |                   | 46.3 | 41.8 | 115 |
| 120 |                  |      |      |                  |      |      |                  |      | 43.9 |                  |      | 42.2 |                   | 44   | 39.8 | 120 |
| 125 |                  |      |      |                  |      |      |                  |      |      |                  |      | 40.2 |                   |      | 37.9 | 125 |
| 130 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 36.1 | 130 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |      |     | 208 + 11 ft 6 in* |     |     | 224 + 11 ft 6 in* |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|-----|-------------------|-----|-----|-------------------|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68° | 82°               | 75° | 68° | 82°               | 75° |     |
| 55  | 43.2              |      |      | 36                |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     |     |                   |     | 55  |
| 60  | 43.2              |      |      | 36                |      |      | 26.2              |      |      |                   |      |      |                   |      |     |                   |     |     |                   |     | 60  |
| 65  | 43.2              |      |      | 36                |      |      | 26.1              |      |      | 21.5              |      |      |                   |      |     |                   |     |     |                   |     | 65  |
| 70  | 43.1              |      |      | 36                |      |      | 25.9              |      |      | 21.4              |      |      | 16.8              |      |     | 11.3              |     |     |                   |     | 70  |
| 75  | 43.1              |      |      | 36                |      |      | 25.8              |      |      | 21.3              |      |      | 16.7              |      |     | 11.1              |     |     | 6.5               |     | 75  |
| 80  | 43.1              | 40.8 |      | 36                |      |      | 25.7              |      |      | 21.2              |      |      | 16.5              |      |     | 11                |     |     | 6.4               |     | 80  |
| 85  | 43.1              | 41.5 |      | 36                |      |      | 25.5              |      |      | 21.2              |      |      | 16.4              |      |     | 10.9              |     |     | 6.3               |     | 85  |
| 90  | 43.1              | 41.8 |      | 36                | 34.4 |      | 25.5              |      |      | 21.1              |      |      | 16.3              |      |     | 10.8              |     |     | 6.2               |     | 90  |
| 95  | 43.1              | 41.8 |      | 36                | 34.5 |      | 25.5              | 24.8 |      | 21.1              |      |      | 16.2              |      |     | 10.7              |     |     | 6.1               |     | 95  |
| 100 | 43.1              | 41.8 |      | 36                | 34.3 |      | 25.5              | 24.7 |      | 21.1              | 20.4 |      | 16.2              |      |     | 10.7              |     |     | 6.1               |     | 100 |
| 105 | 43.1              | 41.8 |      | 36                | 34.3 |      | 25.5              | 24.6 |      | 21.1              | 20.3 |      | 16.2              |      |     | 10.6              |     |     | 6                 |     | 105 |
| 110 |                   | 41.8 | 39.3 |                   | 34.3 |      | 25.5              | 24.6 |      | 21.1              | 20.3 |      | 16.2              | 15   |     | 10.6              |     |     | 6                 |     | 110 |
| 115 |                   | 41.8 | 39.8 |                   | 34.3 |      |                   | 24.6 |      |                   | 20.3 |      | 16.2              | 14.9 |     | 10.6              | 9.5 |     | 6                 |     | 115 |
| 120 |                   | 41.8 | 38.1 |                   | 34   | 31   |                   | 24.6 |      |                   | 20.3 |      |                   | 14.8 |     |                   | 9.5 |     | 6                 |     | 120 |
| 125 |                   |      | 36.3 |                   | 33.6 | 30.4 |                   | 24.6 | 23.9 |                   | 20.3 |      |                   | 14.7 |     |                   | 9.4 |     |                   | 5   | 125 |
| 130 |                   |      | 34.6 |                   |      | 29.6 |                   | 24.6 | 23.7 |                   | 20.3 |      |                   | 14.7 |     |                   | 9.3 |     |                   | 4.9 | 130 |
| 135 |                   |      | 33.1 |                   |      | 28.8 |                   |      | 23.4 |                   | 20.3 | 18.7 |                   | 14.7 |     |                   | 9.3 |     |                   | 4.9 | 135 |
| 140 |                   |      | 31.6 |                   |      | 28.1 |                   |      | 22.9 |                   |      | 18.2 |                   | 14.7 |     |                   | 9.3 |     |                   | 4.9 | 140 |
| 145 |                   |      |      |                   |      | 27.4 |                   |      | 22.3 |                   |      | 17.8 |                   |      |     | 13.4              |     |     |                   | 4.9 | 145 |
| 150 |                   |      |      |                   |      |      |                   |      | 21.8 |                   |      | 17.3 |                   |      |     | 13.1              |     |     |                   |     | 150 |
| 155 |                   |      |      |                   |      |      |                   |      |      |                   |      | 16.9 |                   |      |     | 12.7              |     |     | 8.5               |     | 155 |
| 160 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     | 12.3              |     |     | 8.4               |     | 160 |
| 165 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     | 8.4 |                   |     | 165 |
| 170 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     | 8.3 |                   |     | 170 |

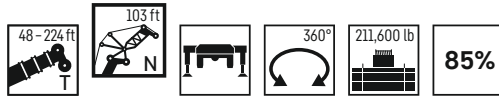
\* adapter - pièce d'adaptateur

t\_240\_004\_50401\_00\_000

# Lifting capacities

## Forces de levage

# TN 103 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 45  | 63.5             |      |      | 60.5             |      |      |                  |      |      | 49.9             |      |      |                   |      |      | 45  |
| 50  | 62.3             |      |      | 59.9             |      |      | 55.7             |      |      |                  |      |      |                   |      |      | 50  |
| 55  | 61.1             |      |      | 59.2             |      |      | 55.3             |      |      | 49.6             |      |      | 43.7              |      |      | 55  |
| 60  | 60               | 59.4 |      | 58.5             |      |      | 54.8             |      |      | 49.3             |      |      | 43.5              |      |      | 60  |
| 65  | 59               | 58.1 |      | 57.7             | 57.1 |      | 54.4             |      |      | 49.1             |      |      | 43.4              |      |      | 65  |
| 70  | 58.1             | 56.9 |      | 57               | 56.1 |      | 54               | 53.1 |      | 48.8             |      |      | 43.3              |      |      | 70  |
| 75  | 57.5             | 55.8 |      | 56.5             | 55.1 |      | 53.6             | 52.7 |      | 48.6             | 47.2 |      | 43.2              |      |      | 75  |
| 80  | 56.6             | 54.8 | 54.1 | 56.1             | 54.3 |      | 53.4             | 51.9 |      | 48.5             | 47.3 |      | 43.2              | 41.5 |      | 80  |
| 85  | 54.2             | 53.8 | 52.4 | 55.3             | 53.6 | 53   | 53.2             | 51.3 |      | 48.4             | 47.1 |      | 43.1              | 41.9 |      | 85  |
| 90  | 50.7             | 53.2 | 51   | 53.8             | 52.9 | 52   | 53.2             | 50.8 |      | 48.4             | 46.8 |      | 43.1              | 41.8 |      | 90  |
| 95  | 45.1             | 52.2 | 49.7 | 49.7             | 52.6 | 51.1 | 53.2             | 50.3 | 49.5 | 48.4             | 46.5 |      | 43.1              | 41.7 |      | 95  |
| 100 | 38.3             | 50.2 | 48.7 | 43.7             | 52.3 | 50.3 | 48               | 50.1 | 48.7 | 48.3             | 46.3 | 44.8 | 43.1              | 41.6 |      | 100 |
| 105 | 31               | 45.1 | 48.1 | 37.3             | 51.7 | 49.8 | 41.9             | 50   | 48.1 | 47.5             | 46.2 | 44.9 | 43.1              | 41.5 |      | 105 |
| 110 |                  | 38.4 | 47.4 |                  | 46   | 49.5 | 34.7             | 49.5 | 47.6 | 41.3             | 46.2 | 44.5 | 42.6              | 41.5 | 39.7 | 110 |
| 115 |                  |      | 44.6 |                  | 39.7 | 48.2 |                  | 46.5 | 46   |                  | 46.2 | 44.1 | 39.1              | 41.5 | 40.2 | 115 |
| 120 |                  |      | 36.8 |                  |      | 45.9 |                  | 40.1 | 43.8 |                  | 45.6 | 42.3 |                   | 41.5 | 39.5 | 120 |
| 125 |                  |      |      |                  |      | 41.1 |                  |      | 41.7 |                  | 42.5 | 40.3 |                   | 41.4 | 37.7 | 125 |
| 130 |                  |      |      |                  |      |      |                  |      | 39.8 |                  |      | 38.5 |                   | 39.9 | 36   | 130 |
| 135 |                  |      |      |                  |      |      |                  |      |      |                  |      | 36.7 |                   |      | 34.4 | 135 |
| 140 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 32.9 | 140 |
| 145 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 31.4 | 145 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |      |      | 208 + 11 ft 6 in* |     |     | 224 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° | 82°               | 75° | 68° |     |
| 55  | 37.9              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     |     | 55  |
| 60  | 37.9              |      |      | 31.7              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     |     | 60  |
| 65  | 37.8              |      |      | 31.7              |      |      | 23.2              |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     |     | 65  |
| 70  | 37.8              |      |      | 31.6              |      |      | 23                |      |      | 19                |      |      | 14.6              |      |      |                   |     |     |                   |     |     | 70  |
| 75  | 37.7              |      |      | 31.6              |      |      | 22.9              |      |      | 18.9              |      |      | 14.5              |      |      | 9.4               |     |     |                   |     |     | 75  |
| 80  | 37.7              |      |      | 31.6              |      |      | 22.8              |      |      | 18.8              |      |      | 14.4              |      |      | 9.3               |     |     | 5                 |     |     | 80  |
| 85  | 37.7              | 35.9 |      | 31.6              |      |      | 22.6              |      |      | 18.7              |      |      | 14.2              |      |      | 9.1               |     |     | 4.9               |     |     | 85  |
| 90  | 37.7              | 36.2 |      | 31.6              |      |      | 22.5              |      |      | 18.7              |      |      | 14.1              |      |      | 9                 |     |     | 4.8               |     |     | 90  |
| 95  | 37.7              | 36.5 |      | 31.6              | 30.1 |      | 22.4              |      |      | 18.6              |      |      | 14                |      |      | 9                 |     |     | 4.7               |     |     | 95  |
| 100 | 37.7              | 36.5 |      | 31.6              | 30.4 |      | 22.4              | 21.8 |      | 18.6              |      |      | 13.9              |      |      | 8.9               |     |     | 4.7               |     |     | 100 |
| 105 | 37.7              | 36.5 |      | 31.6              | 30.6 |      | 22.4              | 21.7 |      | 18.5              | 18.1 |      | 13.8              |      |      | 8.8               |     |     | 4.6               |     |     | 105 |
| 110 | 37.7              | 36.5 |      | 31.6              | 30.6 |      | 22.4              | 21.7 |      | 18.5              | 17.9 |      | 13.8              |      |      | 8.7               |     |     | 4.6               |     |     | 110 |
| 115 | 37.7              | 36.6 | 34.1 | 31.6              | 30.6 |      | 22.4              | 21.6 |      | 18.5              | 17.8 |      | 13.7              | 12.8 |      | 8.7               |     |     | 4.5               |     |     | 115 |
| 120 |                   | 36.7 | 34.5 | 31.6              | 30.5 |      | 22.4              | 21.6 |      | 18.5              | 17.8 |      | 13.7              | 12.7 |      | 8.7               | 7.8 |     | 4.5               |     |     | 120 |
| 125 |                   | 36.6 | 35   |                   | 30.5 | 28.5 |                   | 21.6 |      |                   | 17.8 |      | 13.7              | 12.6 |      | 8.7               | 7.8 |     | 4.5               |     |     | 125 |
| 130 |                   | 36.6 | 34.4 |                   | 30.5 | 28.1 |                   | 21.6 |      |                   | 17.8 |      |                   | 12.5 |      |                   | 7.7 |     | 4.5               | 3.6 |     | 130 |
| 135 |                   | 36.6 | 32.9 |                   | 30.4 | 27.4 |                   | 21.6 | 21   |                   | 17.8 |      |                   | 12.5 |      |                   | 7.6 |     |                   | 3.6 |     | 135 |
| 140 |                   |      | 31.4 |                   |      | 26.7 |                   | 21.6 | 20.9 |                   | 17.8 |      |                   | 12.4 |      |                   | 7.6 |     |                   | 3.6 |     | 140 |
| 145 |                   |      | 30.1 |                   |      | 26.1 |                   |      | 20.7 |                   | 17.8 | 16.8 |                   | 12.4 |      |                   | 7.5 |     |                   | 3.5 |     | 145 |
| 150 |                   |      | 28.8 |                   |      | 25.6 |                   |      | 20.6 |                   |      | 16.4 |                   | 12.4 |      |                   | 7.5 |     |                   | 3.5 |     | 150 |
| 155 |                   |      |      |                   |      | 25   |                   |      | 20.2 |                   |      | 16   |                   |      | 11.6 |                   | 7.5 |     |                   | 3.5 |     | 155 |
| 160 |                   |      |      |                   |      |      |                   |      | 19.9 |                   |      | 15.6 |                   |      | 11.6 |                   |     |     |                   | 3.5 |     | 160 |
| 165 |                   |      |      |                   |      |      |                   |      |      |                   |      | 15.2 |                   |      | 11.3 |                   |     | 6.9 |                   |     |     | 165 |
| 170 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 11   |                   |     | 7   |                   |     |     | 170 |
| 175 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 10.7 |                   |     |     | 7.1               |     | 3.1 | 175 |
| 180 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     | 7.1               |     | 3.2 | 180 |
| 185 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     | 3.3 | 185 |

\* adapter - pièce d'adaptateur

t\_240\_004\_50501\_00\_000

# Lifting capacities

## Forces de levage

# TN 115 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 45  | 56.1             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      | 45  |
| 50  | 55.4             |      |      | 52.7             |      |      | 48.9             |      |      |                  |      |      |                   |      |      | 50  |
| 55  | 54.6             |      |      | 52.2             |      |      | 48.6             |      |      | 43.8             |      |      |                   |      |      | 55  |
| 60  | 53.7             |      |      | 51.6             |      |      | 48.2             |      |      | 43.6             |      |      | 38.4              |      |      | 60  |
| 65  | 52.8             | 52.4 |      | 51.1             |      |      | 47.8             |      |      | 43.4             |      |      | 38.4              |      |      | 65  |
| 70  | 52               | 51.4 |      | 50.6             | 50   |      | 47.5             |      |      | 43.1             |      |      | 38.3              |      |      | 70  |
| 75  | 51.2             | 50.3 |      | 50               | 49.3 |      | 47.2             | 46.3 |      | 42.9             |      |      | 38.1              |      |      | 75  |
| 80  | 50.6             | 49.4 |      | 49.4             | 48.5 |      | 46.9             | 46.2 |      | 42.7             | 41.4 |      | 38.1              |      |      | 80  |
| 85  | 50.2             | 48.6 | 48.2 | 49.1             | 47.8 |      | 46.7             | 45.8 |      | 42.6             | 41.7 |      | 38                | 36.5 |      | 85  |
| 90  | 49.3             | 47.8 | 47.2 | 48.8             | 47.1 |      | 46.6             | 45.2 |      | 42.6             | 41.5 |      | 38                | 36.8 |      | 90  |
| 95  | 47.2             | 47.2 | 46.1 | 48.5             | 46.5 | 45.9 | 46.5             | 44.8 |      | 42.5             | 41.3 |      | 38                | 36.9 |      | 95  |
| 100 | 44.3             | 46.8 | 44.9 | 48.1             | 46.1 | 45.1 | 46.5             | 44.4 | 43.7 | 42.5             | 41.1 |      | 38                | 36.8 |      | 100 |
| 105 | 39.6             | 45.9 | 43.9 | 44.7             | 45.9 | 44.5 | 46.2             | 44.1 | 43.2 | 42.5             | 40.9 | 39.1 | 38                | 36.7 |      | 105 |
| 110 | 34.3             | 44.1 | 43.2 | 39.7             | 45.9 | 44   | 42.8             | 44   | 42.6 | 42.4             | 40.8 | 39.5 | 38                | 36.6 |      | 110 |
| 115 | 28.6             | 40   | 42.8 | 34.4             | 45.5 | 43.6 | 38.4             | 44   | 42.1 | 41.6             | 40.7 | 39.6 | 38                | 36.6 | 34.7 | 115 |
| 120 |                  | 35   | 42.2 | 27.1             | 41.7 | 43.4 | 32.7             | 43.7 | 41.8 | 37.1             | 40.7 | 39.2 | 37.6              | 36.6 | 35.2 | 120 |
| 125 |                  |      | 39.6 |                  | 36.7 | 43.3 |                  | 42   | 41.5 |                  | 40.7 | 38.9 | 35.5              | 36.6 | 35.5 | 125 |
| 130 |                  |      | 34.4 |                  |      | 41.6 |                  | 37.3 | 39.7 |                  | 40.7 | 38.1 |                   | 36.6 | 35.3 | 130 |
| 135 |                  |      |      |                  |      |      |                  |      | 37.9 |                  | 38.3 | 36.4 |                   | 36.6 | 34   | 135 |
| 140 |                  |      |      |                  |      | 38.2 |                  |      | 36.2 |                  |      | 34.8 |                   | 36.1 | 32.5 | 140 |
| 145 |                  |      |      |                  |      |      |                  |      |      |                  |      | 33.3 |                   |      | 31.1 | 145 |
| 150 |                  |      |      |                  |      |      |                  |      |      |                  |      | 31.9 |                   |      | 29.8 | 150 |
| 155 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 28.6 | 155 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |      |     | 208 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|-----|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68° | 82°               | 75° | 68° |     |
| 60  | 33.5              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     |     | 60  |
| 65  | 33.4              |      |      | 28                |      |      | 20.6              |      |      |                   |      |      |                   |      |     |                   |     |     | 65  |
| 70  | 33.4              |      |      | 28                |      |      | 20.5              |      |      | 16.8              |      |      |                   |      |     |                   |     |     | 70  |
| 75  | 33.3              |      |      | 28                |      |      | 20.3              |      |      | 16.7              |      |      | 12.3              |      |     |                   |     |     | 75  |
| 80  | 33.3              |      |      | 28                |      |      | 20.2              |      |      | 16.6              |      |      | 12.2              |      |     | 7.5               |     |     | 80  |
| 85  | 33.3              |      |      | 28                |      |      | 20.1              |      |      | 16.5              |      |      | 12                |      |     | 7.3               |     |     | 85  |
| 90  | 33.2              | 31.6 |      | 28                |      |      | 20                |      |      | 16.5              |      |      | 11.9              |      |     | 7.2               |     |     | 90  |
| 95  | 33.2              | 31.8 |      | 28                |      |      | 19.9              |      |      | 16.4              |      |      | 11.8              |      |     | 7.2               |     |     | 95  |
| 100 | 33.2              | 32.1 |      | 28                | 26.6 |      | 19.8              |      |      | 16.4              |      |      | 11.7              |      |     | 7.1               |     |     | 100 |
| 105 | 33.2              | 32.2 |      | 28                | 26.8 |      | 19.8              | 19.3 |      | 16.3              |      |      | 11.6              |      |     | 7                 |     |     | 105 |
| 110 | 33.2              | 32.2 |      | 28                | 27   |      | 19.8              | 19.2 |      | 16.3              | 15.9 |      | 11.5              |      |     | 6.9               |     |     | 110 |
| 115 | 33.2              | 32.2 |      | 28                | 27.1 |      | 19.8              | 19.1 |      | 16.3              | 15.8 |      | 11.5              |      |     | 6.9               |     |     | 115 |
| 120 | 33.2              | 32.2 | 29.8 | 28                | 27.2 |      | 19.8              | 19.1 |      | 16.3              | 15.7 |      | 11.4              | 10.6 |     | 6.9               |     |     | 120 |
| 125 | 33.2              | 32.2 | 30.2 | 28                | 27.2 |      | 19.8              | 19   |      | 16.3              | 15.6 |      | 11.4              | 10.5 |     | 6.9               | 6   |     | 125 |
| 130 |                   | 32.2 | 30.6 | 28                | 27.2 | 25   | 19.8              | 19   |      | 16.3              | 15.5 |      | 11.4              | 10.4 |     | 6.9               | 6   |     | 130 |
| 135 |                   | 32.2 | 31   |                   | 27.1 | 25.2 |                   | 19   |      | 16.3              | 15.4 |      | 11.4              | 10.3 |     | 6.9               | 5.9 |     | 135 |
| 140 |                   | 32.2 | 30.9 |                   | 27.1 | 25.2 |                   | 19   | 18.5 |                   | 15.4 |      |                   | 10.3 |     | 6.9               | 5.8 |     | 140 |
| 145 |                   | 32.2 | 29.7 |                   | 27.1 | 24.7 |                   | 19   | 18.4 |                   | 15.4 |      |                   | 10.2 |     |                   | 5.8 |     | 145 |
| 150 |                   |      | 28.5 |                   | 27.1 | 24.1 |                   | 19   | 18.3 |                   | 15.4 | 14.6 |                   | 10.2 |     |                   | 5.8 |     | 150 |
| 155 |                   |      | 27.3 |                   |      | 23.6 |                   | 19   | 18.2 |                   | 15.4 | 14.6 |                   | 10.2 |     |                   | 5.8 |     | 155 |
| 160 |                   |      | 26.2 |                   |      | 23.2 |                   |      | 18.2 |                   |      | 14.5 |                   | 10.2 | 9.6 |                   | 5.8 |     | 160 |
| 165 |                   |      |      |                   |      | 22.7 |                   |      | 18.1 |                   |      | 14.2 |                   |      | 9.7 |                   | 5.8 |     | 165 |
| 170 |                   |      |      |                   |      |      |                   |      | 17.9 |                   |      | 13.9 |                   |      | 9.8 |                   |     | 5.3 | 170 |
| 175 |                   |      |      |                   |      |      |                   |      | 17.6 |                   |      | 13.6 |                   |      | 9.7 |                   |     | 5.4 | 175 |
| 180 |                   |      |      |                   |      |      |                   |      |      |                   |      | 13.3 |                   |      | 9.6 |                   |     | 5.6 | 180 |
| 185 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      | 9.3 |                   |     | 5.7 | 185 |
| 190 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |      |     |                   |     | 5.8 | 190 |

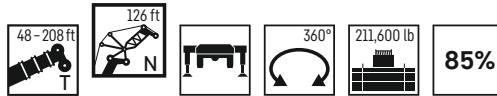
\* adapter - pièce d'adaptateur

t\_240\_004\_50601\_00\_000

# Lifting capacities

## Forces de levage

# TN 126 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 50  | 49.1             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      | 50  |
| 55  | 48.5             |      |      | 46.3             |      |      | 43.1             |      |      |                  |      |      |                   |      |      | 55  |
| 60  | 47.9             |      |      | 45.8             |      |      | 42.7             |      |      | 38.6             |      |      | 34                |      |      | 60  |
| 65  | 47.3             |      |      | 45.4             |      |      | 42.4             |      |      | 38.4             |      |      | 34                |      |      | 65  |
| 70  | 46.5             |      |      | 45               |      |      | 42.1             |      |      | 38.2             |      |      | 33.9              |      |      | 70  |
| 75  | 45.8             | 45.4 |      | 44.5             | 43.9 |      | 41.8             |      |      | 38               |      |      | 33.8              |      |      | 75  |
| 80  | 45.2             | 44.6 |      | 44.1             | 43.7 |      | 41.6             | 40.6 |      | 37.9             |      |      | 33.7              |      |      | 80  |
| 85  | 44.6             | 43.8 |      | 43.7             | 43.1 |      | 41.4             | 40.7 |      | 37.7             | 36.5 |      | 33.6              |      |      | 85  |
| 90  | 44.2             | 43   |      | 43.4             | 42.5 |      | 41.2             | 40.4 |      | 37.6             | 36.6 |      | 33.5              | 32.2 |      | 90  |
| 95  | 43.8             | 42.4 | 42   | 43.1             | 41.9 |      | 41.1             | 40.1 |      | 37.5             | 36.6 |      | 33.5              | 32.4 |      | 95  |
| 100 | 43.1             | 41.8 | 41.2 | 42.8             | 41.4 | 41   | 41               | 39.8 |      | 37.5             | 36.5 |      | 33.5              | 32.5 |      | 100 |
| 105 | 42.1             | 41.4 | 40.4 | 41.9             | 40.9 | 40.4 | 40.7             | 39.4 | 38.4 | 37.5             | 36.3 |      | 33.5              | 32.5 |      | 105 |
| 110 | 40               | 41.1 | 39.7 | 40.8             | 40.7 | 39.7 | 40.1             | 39.1 | 38.5 | 37.5             | 36.2 |      | 33.5              | 32.4 |      | 110 |
| 115 | 36               | 40.7 | 39   | 38.4             | 40.5 | 39.2 | 39.2             | 39   | 38   | 37.5             | 36.1 | 34.6 | 33.5              | 32.4 |      | 115 |
| 120 | 31.6             | 39.6 | 38.5 | 35.3             | 40   | 38.8 | 37.4             | 38.8 | 37.6 | 37.3             | 36.1 | 34.9 | 33.5              | 32.4 | 30.5 | 120 |
| 125 | 26.9             | 36.4 | 38.2 | 31.1             | 39.1 | 38.5 | 34.4             | 38.6 | 37.2 | 36.6             | 36   | 34.9 | 33.5              | 32.4 | 30.8 | 125 |
| 130 |                  | 32.4 | 37.8 | 26.2             | 36.9 | 38.4 | 29.9             | 38.2 | 37   | 33.3             | 36   | 34.7 | 33.3              | 32.4 | 31.1 | 130 |
| 135 |                  | 27   | 36.1 |                  | 33.2 | 38.4 |                  | 37   | 36.8 | 28.7             | 36   | 34.5 | 31.7              | 32.4 | 31.4 | 135 |
| 140 |                  |      | 32.2 |                  | 28   | 37.5 |                  | 33.8 | 36   |                  | 35.9 | 34.2 |                   | 32.4 | 31.4 | 140 |
| 145 |                  |      |      |                  |      | 34.6 |                  |      | 34.4 |                  | 34   | 33   |                   | 32.4 | 30.7 | 145 |
| 150 |                  |      |      |                  |      | 28.9 |                  |      | 33   |                  | 29.3 | 31.7 |                   | 32.4 | 29.5 | 150 |
| 155 |                  |      |      |                  |      |      |                  |      | 31   |                  |      | 30.4 |                   |      | 28.3 | 155 |
| 160 |                  |      |      |                  |      |      |                  |      |      |                  |      | 29.2 |                   |      | 27.1 | 160 |
| 165 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 26.1 | 165 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |     |     | 208 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° | 82°               | 75° | 68° |     |
| 65  | 29.6              |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     |     | 65  |
| 70  | 29.6              |      |      | 24.7              |      |      | 18.2              |      |      |                   |      |      |                   |     |     |                   |     |     | 70  |
| 75  | 29.6              |      |      | 24.7              |      |      | 18.1              |      |      | 14.8              |      |      |                   |     |     |                   |     |     | 75  |
| 80  | 29.5              |      |      | 24.7              |      |      | 18                |      |      | 14.7              |      |      | 10.3              |     |     | 5.8               |     |     | 80  |
| 85  | 29.4              |      |      | 24.6              |      |      | 17.9              |      |      | 14.6              |      |      | 10.1              |     |     | 5.8               |     |     | 85  |
| 90  | 29.4              |      |      | 24.6              |      |      | 17.8              |      |      | 14.6              |      |      | 10                |     |     | 5.7               |     |     | 90  |
| 95  | 29.4              |      |      | 24.6              |      |      | 17.7              |      |      | 14.5              |      |      | 9.9               |     |     | 5.6               |     |     | 95  |
| 100 | 29.3              | 28.1 |      | 24.6              |      |      | 17.7              |      |      | 14.4              |      |      | 9.8               |     |     | 5.5               |     |     | 100 |
| 105 | 29.3              | 28.3 |      | 24.6              | 23.4 |      | 17.6              |      |      | 14.4              |      |      | 9.7               |     |     | 5.4               |     |     | 105 |
| 110 | 29.3              | 28.4 |      | 24.6              | 23.5 |      | 17.5              | 17.1 |      | 14.3              |      |      | 9.6               |     |     | 5.4               |     |     | 110 |
| 115 | 29.3              | 28.5 |      | 24.6              | 23.7 |      | 17.5              | 16.9 |      | 14.3              | 13.5 |      | 9.5               |     |     | 5.3               |     |     | 115 |
| 120 | 29.3              | 28.5 |      | 24.6              | 23.9 |      | 17.5              | 16.8 |      | 14.2              | 13.4 |      | 9.5               |     |     | 5.3               |     |     | 120 |
| 125 | 29.3              | 28.5 |      | 24.6              | 23.9 |      | 17.5              | 16.8 |      | 14.2              | 13.3 |      | 9.5               | 8.6 |     | 5.2               |     |     | 125 |
| 130 | 29.3              | 28.5 | 26.5 | 24.6              | 24   |      | 17.5              | 16.8 |      | 14.2              | 13.2 |      | 9.4               | 8.6 |     | 5.2               | 4.4 |     | 130 |
| 135 | 29.3              | 28.4 | 26.8 | 24.6              | 24   |      | 17.5              | 16.8 |      | 14.2              | 13.1 |      | 9.4               | 8.5 |     | 5.2               | 4.4 |     | 135 |
| 140 | 29                | 28.4 | 27.2 | 24.6              | 24.1 | 22.1 | 17.5              | 16.8 |      | 14.2              | 13.1 |      | 9.4               | 8.4 |     | 5.2               | 4.3 |     | 140 |
| 145 |                   | 28.4 | 27.5 |                   | 24.1 | 22.4 | 17.5              | 16.8 | 16.4 | 14.2              | 13.1 |      | 9.4               | 8.4 |     | 5.2               | 4.3 |     | 145 |
| 150 |                   | 28.4 | 27.7 |                   | 24.1 | 22.4 |                   | 16.8 | 16.3 |                   | 13.1 |      |                   | 8.4 |     | 5.2               | 4.2 |     | 150 |
| 155 |                   | 28.4 | 26.9 |                   | 24.1 | 22.2 |                   | 16.8 | 16.2 |                   | 13.1 | 12.3 |                   | 8.4 |     |                   | 4.2 |     | 155 |
| 160 |                   |      | 25.9 |                   | 24.1 | 21.8 |                   | 16.8 | 16.1 |                   | 13.1 | 12.5 |                   | 8.4 |     |                   | 4.2 |     | 160 |
| 165 |                   |      | 24.8 |                   |      | 21.4 |                   | 16.8 | 16.1 |                   | 13.1 | 12.6 |                   | 8.4 | 7.9 |                   | 4.2 |     | 165 |
| 170 |                   |      | 23.9 |                   |      | 21   |                   |      | 16   |                   | 13.1 | 12.6 |                   | 8.4 | 8   |                   | 4.2 |     | 170 |
| 175 |                   |      |      |                   |      | 20.7 |                   |      | 16   |                   |      | 12.5 |                   | 8.4 | 8.1 |                   |     | 3.9 | 175 |
| 180 |                   |      |      |                   |      | 20.1 |                   |      | 16   |                   |      | 12.4 |                   |     | 8.2 |                   |     | 4   | 180 |
| 185 |                   |      |      |                   |      |      |                   |      | 15.9 |                   |      | 12.1 |                   |     | 8.3 |                   |     | 4.2 | 185 |
| 190 |                   |      |      |                   |      |      |                   |      |      |                   |      | 11.9 |                   |     | 8.3 |                   |     | 4.3 | 190 |
| 195 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     | 8.1 |                   |     | 4.3 | 195 |
| 200 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     | 4.2 | 200 |

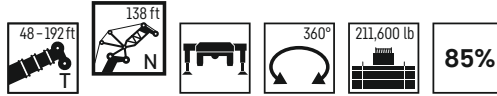
\* adapter - pièce d'adaptateur

t\_240\_004\_50701\_00\_000

# Lifting capacities

## Forces de levage

# TN 138 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 55  | 43.2             |      |      | 41               |      |      | 37.9             |      |      |                  |      |      |                   |      |      | 55  |
| 60  | 42.7             |      |      | 40.7             |      |      |                  |      |      |                  |      |      |                   |      |      | 60  |
| 65  | 42.1             |      |      | 40.3             |      |      | 37.7             |      |      | 34.1             |      |      | 30.1              |      |      | 65  |
| 70  | 41.6             |      |      | 40               |      |      | 37.4             |      |      | 33.9             |      |      | 30                |      |      | 70  |
| 75  | 41               |      |      | 39.6             |      |      | 37.1             |      |      | 33.7             |      |      | 29.9              |      |      | 75  |
| 80  | 40.5             | 40.3 |      | 39.2             | 38.6 |      | 36.9             |      |      | 33.5             |      |      | 29.8              |      |      | 80  |
| 85  | 40               | 39.6 |      | 38.9             | 38.5 |      | 36.7             | 35.7 |      | 33.4             |      |      | 29.7              |      |      | 85  |
| 90  | 39.5             | 38.9 |      | 38.6             | 38.2 |      | 36.5             | 35.8 |      | 33.3             | 32.1 |      | 29.6              |      |      | 90  |
| 95  | 38.9             | 38.2 |      | 38.3             | 37.7 |      | 36.3             | 35.7 |      | 33.1             | 32.2 |      | 29.6              | 28.4 |      | 95  |
| 100 | 38               | 37.7 | 37.6 | 37.6             | 37.2 |      | 36               | 35.4 |      | 33               | 32.3 |      | 29.6              | 28.6 |      | 100 |
| 105 | 37.2             | 37.2 | 36.8 | 36.9             | 36.8 | 36.4 | 35.7             | 35.2 |      | 33               | 32.2 |      | 29.5              | 28.7 |      | 105 |
| 110 | 35.9             | 36.7 | 36.2 | 35.9             | 36.5 | 36   | 35.4             | 35   | 33.6 | 33               | 32.1 |      | 29.5              | 28.7 |      | 110 |
| 115 | 34.7             | 35.9 | 35.6 | 34.7             | 36   | 35.5 | 34.5             | 34.7 | 33.8 | 32.8             | 32   |      | 29.5              | 28.7 |      | 115 |
| 120 | 33.2             | 35   | 35.1 | 33.6             | 35.1 | 34.9 | 33.4             | 34.4 | 33.8 | 32.3             | 31.8 | 30.2 | 29.5              | 28.6 |      | 120 |
| 125 | 31.3             | 33.8 | 34.6 | 32.5             | 34.3 | 34.6 | 32.4             | 33.9 | 33.5 | 31.8             | 31.8 | 30.5 | 29.5              | 28.6 | 26.7 | 125 |
| 130 | 28.5             | 32.7 | 33.9 | 31.1             | 33.2 | 34.2 | 31.5             | 33.3 | 33.2 | 31.1             | 31.8 | 30.8 | 29.5              | 28.6 | 26.9 | 130 |
| 135 | 24.7             | 31.6 | 32.9 | 28               | 32.1 | 33.5 | 29.8             | 32.3 | 32.9 | 30.2             | 31.7 | 30.8 | 29.4              | 28.6 | 27.2 | 135 |
| 140 | 20.1             | 29.2 | 31.9 | 24.2             | 31.2 | 32.7 | 27.1             | 31.4 | 32.6 | 28.8             | 31.1 | 30.7 | 28.8              | 28.6 | 27.5 | 140 |
| 145 |                  | 25.2 | 30.9 |                  | 29.3 | 31.7 |                  | 30.5 | 32.1 | 26.5             | 30.5 | 30.5 | 28                | 28.6 | 27.7 | 145 |
| 150 |                  |      | 29   |                  | 26   | 30.8 |                  | 29.4 | 31.3 |                  | 29.7 | 30.4 |                   | 28.6 | 27.7 | 150 |
| 155 |                  |      |      |                  |      | 29.9 |                  | 26.4 | 30.4 |                  | 29.1 | 30   |                   | 28.5 | 27.6 | 155 |
| 160 |                  |      |      |                  |      | 27.4 |                  |      | 29.7 |                  | 27   | 28.8 |                   | 28.1 | 26.7 | 160 |
| 165 |                  |      |      |                  |      |      |                  |      | 28.6 |                  |      | 27.7 |                   | 26.9 | 25.7 | 165 |
| 170 |                  |      |      |                  |      |      |                  |      |      |                  |      | 26.6 |                   |      | 24.7 | 170 |
| 175 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 23.8 | 175 |
| 180 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 22.8 | 180 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |      |      | 192 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° |     |
| 70  | 26.1              |      |      | 21.9              |      |      | 15.9              |      |      |                   |      |      |                   |     |     | 70  |
| 75  | 26                |      |      | 21.9              |      |      |                   |      |      |                   |      |      |                   |     |     | 75  |
| 80  | 25.9              |      |      | 21.8              |      |      | 15.9              |      |      | 12.8              |      |      |                   |     |     | 80  |
| 85  | 25.9              |      |      | 21.8              |      |      | 15.8              |      |      | 12.7              |      |      | 8.3               |     |     | 85  |
| 90  | 25.8              |      |      | 21.8              |      |      | 15.7              |      |      | 12.6              |      |      | 8.1               |     |     | 90  |
| 95  | 25.8              |      |      | 21.8              |      |      | 15.7              |      |      | 12.5              |      |      | 8.1               |     |     | 95  |
| 100 | 25.8              |      |      | 21.8              |      |      | 15.6              |      |      | 12.3              |      |      | 7.9               |     |     | 100 |
| 105 | 25.7              | 24.7 |      | 21.8              |      |      | 15.6              |      |      | 12.2              |      |      | 7.9               |     |     | 105 |
| 110 | 25.7              | 24.8 |      | 21.8              | 20.7 |      | 15.5              |      |      | 12.1              |      |      | 7.8               |     |     | 110 |
| 115 | 25.7              | 24.9 |      | 21.8              | 20.8 |      | 15.4              | 15   |      | 12                |      |      | 7.7               |     |     | 115 |
| 120 | 25.7              | 25   |      | 21.8              | 21   |      | 15.4              | 14.9 |      | 11.9              | 11.3 |      | 7.6               |     |     | 120 |
| 125 | 25.7              | 25   |      | 21.8              | 21.1 |      | 15.4              | 14.8 |      | 11.9              | 11.2 |      | 7.6               |     |     | 125 |
| 130 | 25.7              | 25   |      | 21.8              | 21.2 |      | 15.4              | 14.7 |      | 11.9              | 11.1 |      | 7.5               | 6.8 |     | 130 |
| 135 | 25.7              | 25   | 23.1 | 21.8              | 21.2 |      | 15.4              | 14.7 |      | 11.9              | 11   |      | 7.5               | 6.7 |     | 135 |
| 140 | 25.7              | 24.9 | 23.3 | 21.8              | 21.3 |      | 15.4              | 14.6 |      | 11.9              | 10.9 |      | 7.5               | 6.7 |     | 140 |
| 145 | 25.3              | 24.9 | 23.6 | 21.8              | 21.2 | 19.4 | 15.4              | 14.6 |      | 11.9              | 10.9 |      | 7.5               | 6.6 |     | 145 |
| 150 | 24.9              | 24.9 | 23.9 | 21.8              | 21.2 | 19.6 | 15.4              | 14.6 | 14.2 | 11.9              | 10.9 |      | 7.5               | 6.6 |     | 150 |
| 155 |                   | 24.9 | 24.2 |                   | 21.2 | 19.9 | 15.4              | 14.6 | 14.2 | 11.9              | 10.9 |      | 7.5               | 6.6 |     | 155 |
| 160 |                   | 24.9 | 24.3 |                   | 21.2 | 20.1 |                   | 14.6 | 14.1 |                   | 10.9 |      | 7.5               | 6.6 |     | 160 |
| 165 |                   | 24.9 | 24.3 |                   | 21.2 | 20   |                   | 14.6 | 14.1 |                   | 10.9 | 10.5 |                   | 6.6 |     | 165 |
| 170 |                   |      | 23.8 |                   | 21.2 | 19.7 |                   | 14.6 | 14.1 |                   | 10.9 | 10.7 |                   | 6.6 |     | 170 |
| 175 |                   |      | 22.9 |                   |      | 19.4 |                   | 14.6 | 14.1 |                   | 10.9 | 10.8 |                   | 6.6 | 6.4 | 175 |
| 180 |                   |      | 22   |                   |      | 19.1 |                   |      | 14   |                   | 10.9 | 10.9 |                   | 6.6 | 6.5 | 180 |
| 185 |                   |      | 21.2 |                   |      | 18.8 |                   |      | 14   |                   |      | 10.9 |                   | 6.6 | 6.6 | 185 |
| 190 |                   |      |      |                   |      | 18.3 |                   |      | 14   |                   |      | 10.8 |                   |     | 6.7 | 190 |
| 195 |                   |      |      |                   |      |      |                   |      | 14   |                   |      | 10.7 |                   |     | 6.7 | 195 |
| 200 |                   |      |      |                   |      |      |                   |      |      |                   |      | 10.5 |                   |     | 6.6 | 200 |
| 205 |                   |      |      |                   |      |      |                   |      |      |                   |      |      |                   |     | 6.6 | 205 |

\* adapter - pièce d'adaptateur

t\_240\_004\_50801\_00\_000

# Lifting capacities

## Forces de levage

# TN 149 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  |     |
| 60  | 37.8             |      |      | 35.9             |      |      | 33.3             |      |      | 30.1             |      |      |                   |      |      | 60  |
| 65  | 37.4             |      |      | 35.7             |      |      |                  |      |      |                  |      |      |                   |      |      | 65  |
| 70  | 36.9             |      |      | 35.4             |      |      | 33.1             |      |      | 30               |      |      | 26.5              |      |      | 70  |
| 75  | 36.5             |      |      | 35.1             |      |      | 32.8             |      |      | 29.8             |      |      | 26.3              |      |      | 75  |
| 80  | 36.1             |      |      | 34.8             |      |      | 32.6             |      |      | 29.7             |      |      | 26.3              |      |      | 80  |
| 85  | 35.8             | 35.5 |      | 34.5             | 33.7 |      | 32.4             |      |      | 29.5             |      |      | 26.2              |      |      | 85  |
| 90  | 35.4             | 35.1 |      | 34.3             | 33.7 |      | 32.2             | 31.3 |      | 29.4             |      |      | 26.1              |      |      | 90  |
| 95  | 35               | 34.5 |      | 34               | 33.6 |      | 32.1             | 31.4 |      | 29.3             | 28.2 |      | 26                |      |      | 95  |
| 100 | 34.6             | 34   |      | 33.8             | 33.3 |      | 31.9             | 31.4 |      | 29.2             | 28.3 |      | 26                | 25   |      | 100 |
| 105 | 34.3             | 33.5 | 33.4 | 33.6             | 33   |      | 31.8             | 31.2 |      | 29.1             | 28.4 |      | 25.9              | 25.1 |      | 105 |
| 110 | 34.1             | 33.1 | 32.9 | 33.5             | 32.7 | 31.7 | 31.7             | 31.1 |      | 29               | 28.4 |      | 25.9              | 25.2 |      | 110 |
| 115 | 33.8             | 32.6 | 32.2 | 33.3             | 32.4 | 31.9 | 31.6             | 30.9 |      | 29               | 28.3 |      | 25.9              | 25.3 |      | 115 |
| 120 | 33.6             | 32.3 | 31.7 | 33.2             | 32.1 | 31.6 | 31.6             | 30.7 | 29.5 | 29               | 28.2 |      | 25.9              | 25.2 |      | 120 |
| 125 | 33.3             | 32.1 | 31.3 | 33               | 31.9 | 31.2 | 31.5             | 30.6 | 29.7 | 29               | 28.1 | 26.4 | 25.9              | 25.1 |      | 125 |
| 130 | 31.4             | 32   | 30.9 | 32.4             | 31.7 | 30.9 | 31.5             | 30.5 | 29.8 | 29               | 28   | 26.7 | 25.9              | 25.1 |      | 130 |
| 135 | 28.6             | 32   | 30.7 | 30.5             | 31.7 | 30.6 | 30.8             | 30.4 | 29.6 | 29               | 28   | 26.9 | 25.9              | 25.1 | 23.5 | 135 |
| 140 | 25.7             | 31.3 | 30.5 | 28.3             | 31.7 | 30.4 | 29.7             | 30.3 | 29.4 | 29               | 28   | 27.1 | 25.9              | 25.1 | 23.7 | 140 |
| 145 | 22.6             | 29.2 | 30.4 | 25.5             | 31.2 | 30.2 | 27.8             | 30.3 | 29.2 | 28.9             | 28   | 27.2 | 25.9              | 25.1 | 24   | 145 |
| 150 | 19.2             | 26.5 | 30.2 | 22.3             | 29.6 | 30.1 | 24.8             | 30.2 | 29   | 27               | 28   | 27.1 | 25.9              | 25.1 | 24.3 | 150 |
| 155 |                  | 23.4 | 29.1 |                  | 27.3 | 30.1 | 21.4             | 29.7 | 29   | 24.2             | 28   | 27.1 | 25.6              | 25.1 | 24.3 | 155 |
| 160 |                  | 18.7 | 26.8 |                  | 24   | 29.8 |                  | 27.8 | 29   |                  | 28   | 27   | 24.1              | 25.1 | 24.3 | 160 |
| 165 |                  |      | 23.1 |                  |      | 28.5 |                  | 24.6 | 28.7 |                  | 27.6 | 27   |                   | 25.1 | 24.3 | 165 |
| 170 |                  |      |      |                  |      | 25.3 |                  |      | 27.6 |                  | 25.1 | 26.4 |                   | 25.1 | 24.3 | 170 |
| 175 |                  |      |      |                  |      |      |                  |      | 26.4 |                  |      | 25.4 |                   | 24.9 | 23.8 | 175 |
| 180 |                  |      |      |                  |      |      |                  |      |      |                  |      | 24.4 |                   |      | 22.9 | 180 |
| 185 |                  |      |      |                  |      |      |                  |      |      |                  |      | 23.5 |                   |      | 22   | 185 |
| 190 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 21.2 | 190 |

|     | 128 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |     |     | 192 + 11 ft 6 in* |     |     |     |
|-----|-------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° | 82°               | 75° | 68° |     |
| 70  | 23.1              |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     |     | 70  |
| 75  | 23.1              |      |      | 19.4              |      |      |                   |      |      |                   |     |     |                   |     |     | 75  |
| 80  | 23                |      |      | 19.4              |      |      | 14.1              |      |      |                   |     |     |                   |     |     | 80  |
| 85  | 23                |      |      | 19.4              |      |      | 14                |      |      | 10.9              |     |     | 6.8               |     |     | 85  |
| 90  | 22.9              |      |      | 19.3              |      |      | 14                |      |      | 10.8              |     |     | 6.7               |     |     | 90  |
| 95  | 22.9              |      |      | 19.3              |      |      | 13.9              |      |      | 10.7              |     |     | 6.6               |     |     | 95  |
| 100 | 22.8              |      |      | 19.3              |      |      | 13.8              |      |      | 10.6              |     |     | 6.5               |     |     | 100 |
| 105 | 22.8              |      |      | 19.3              |      |      | 13.8              |      |      | 10.4              |     |     | 6.4               |     |     | 105 |
| 110 | 22.8              | 21.8 |      | 19.3              |      |      | 13.7              |      |      | 10.3              |     |     | 6.3               |     |     | 110 |
| 115 | 22.8              | 21.9 |      | 19.3              | 18.3 |      | 13.7              |      |      | 10.3              |     |     | 6.3               |     |     | 115 |
| 120 | 22.8              | 22.1 |      | 19.3              | 18.4 |      | 13.6              | 13.3 |      | 10.2              |     |     | 6.2               |     |     | 120 |
| 125 | 22.8              | 22.1 |      | 19.3              | 18.5 |      | 13.6              | 13.2 |      | 10.1              | 9.5 |     | 6.1               |     |     | 125 |
| 130 | 22.8              | 22.1 |      | 19.3              | 18.6 |      | 13.6              | 13.1 |      | 10.1              | 9.4 |     | 6.1               |     |     | 130 |
| 135 | 22.8              | 22.2 |      | 19.3              | 18.7 |      | 13.5              | 13   |      | 10                | 9.3 |     | 6.1               | 5.4 |     | 135 |
| 140 | 22.8              | 22.2 | 20.3 | 19.3              | 18.8 |      | 13.5              | 12.9 |      | 10                | 9.2 |     | 6                 | 5.3 |     | 140 |
| 145 | 22.8              | 22.2 | 20.5 | 19.3              | 18.8 |      | 13.5              | 12.8 |      | 10                | 9.2 |     | 6                 | 5.2 |     | 145 |
| 150 | 22.8              | 22.2 | 20.7 | 19.3              | 18.8 | 17   | 13.5              | 12.8 |      | 10                | 9.2 |     | 6                 | 5.2 |     | 150 |
| 155 | 22.8              | 22.3 | 21   | 19.3              | 18.8 | 17.2 | 13.5              | 12.8 |      | 10                | 9.2 |     | 6                 | 5.2 |     | 155 |
| 160 | 22.8              | 22.3 | 21.2 | 19.3              | 18.7 | 17.4 | 13.5              | 12.8 | 12.5 | 10                | 9.2 |     | 6                 | 5.2 |     | 160 |
| 165 |                   | 22.3 | 21.4 | 19.3              | 18.7 | 17.7 | 13.5              | 12.8 | 12.5 | 10                | 9.2 |     | 6                 | 5.2 |     | 165 |
| 170 |                   | 22.3 | 21.6 |                   | 18.7 | 17.8 |                   | 12.8 | 12.4 | 10                | 9.2 | 8.9 | 6                 | 5.2 |     | 170 |
| 175 |                   | 22.3 | 21.7 |                   | 18.7 | 17.9 |                   | 12.8 | 12.4 |                   | 9.2 | 9   |                   | 5.2 |     | 175 |
| 180 |                   | 22.3 | 21.7 |                   | 18.7 | 17.8 |                   | 12.8 | 12.4 |                   | 9.2 | 9.2 |                   | 5.2 | 5.1 | 180 |
| 185 |                   |      | 21   |                   | 18.7 | 17.6 |                   | 12.8 | 12.3 |                   | 9.2 | 9.3 |                   | 5.2 | 5.2 | 185 |
| 190 |                   |      | 20.2 |                   |      | 17.3 |                   |      | 12.3 |                   | 9.2 | 9.3 |                   | 5.2 | 5.3 | 190 |
| 195 |                   |      | 19.4 |                   |      | 17.1 |                   |      | 12.3 |                   |     | 9.2 |                   | 5.2 | 5.3 | 195 |
| 200 |                   |      |      |                   |      | 16.7 |                   |      | 12.3 |                   |     | 9.2 |                   |     | 5.4 | 200 |
| 205 |                   |      |      |                   |      |      |                   |      | 12.3 |                   |     | 9.2 |                   |     | 5.3 | 205 |
| 210 |                   |      |      |                   |      |      |                   |      |      |                   |     | 9.2 |                   |     | 5.3 | 210 |
| 215 |                   |      |      |                   |      |      |                   |      |      |                   |     | 9.1 |                   |     | 5.3 | 215 |
| 220 |                   |      |      |                   |      |      |                   |      |      |                   |     |     |                   |     | 5.3 | 220 |

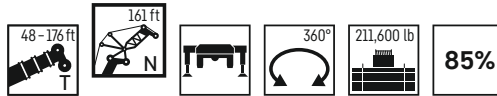
\* adapter - pièce d'adaptateur

t\_240\_004\_50901\_00\_000

# Lifting capacities

## Forces de levage

# TN 161 ft



|  | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 128 12 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |      |      | 176 + 11 ft 6 in* |     |     |  |     |
|-----------------------------------------------------------------------------------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|----------------------|------|------|-------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------------------------------------------------------------------------|-----|
|                                                                                   | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°                  | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° |                                                                                     |     |
| 65                                                                                | 33.3             |      |      | 31.7             |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |      |      |                   |     |     | 65                                                                                  |     |
| 70                                                                                | 33               |      |      | 31.5             |      |      | 29.4             |      |      | 26.5             |      |      |                   |      |      |                      |      |      |                   |      |      |                   |      |      |                   |     |     | 70                                                                                  |     |
| 75                                                                                | 32.6             |      |      | 31.2             |      |      | 29.2             |      |      | 26.3             |      |      | 23.4              |      |      | 20.5                 |      |      |                   |      |      |                   |      |      |                   |     |     | 75                                                                                  |     |
| 80                                                                                | 32.3             |      |      | 31               |      |      | 29               |      |      | 26.2             |      |      | 23.3              |      |      | 20.4                 |      |      | 17.1              |      |      |                   |      |      |                   |     |     | 80                                                                                  |     |
| 85                                                                                | 32               |      |      | 30.7             |      |      | 28.8             |      |      | 26.1             |      |      | 23.3              |      |      | 20.4                 |      |      | 17.1              |      |      | 12.3              |      |      |                   | 9.1 |     | 85                                                                                  |     |
| 90                                                                                | 31.6             | 31.3 |      | 30.5             | 29.7 |      | 28.6             |      |      | 26               |      |      | 23.2              |      |      | 20.3                 |      |      | 17.1              |      |      | 12.3              |      |      |                   | 8.9 |     | 90                                                                                  |     |
| 95                                                                                | 31.3             | 31.2 |      | 30.3             | 29.7 |      | 28.5             | 27.6 |      | 25.8             |      |      | 23.1              |      |      | 20.3                 |      |      | 17                |      |      | 12.2              |      |      |                   | 8.8 |     | 95                                                                                  |     |
| 100                                                                               | 30.9             | 30.7 |      | 30               | 29.7 |      | 28.3             | 27.6 |      | 25.7             | 24.8 |      | 23                |      |      | 20.2                 |      |      | 17                |      |      | 12.1              |      |      |                   | 8.7 |     | 100                                                                                 |     |
| 105                                                                               | 30.6             | 30.3 |      | 29.8             | 29.5 |      | 28.2             | 27.6 |      | 25.7             | 24.9 |      | 23                | 22.1 |      | 20.2                 |      |      | 17                |      |      | 12.1              |      |      |                   | 8.6 |     | 105                                                                                 |     |
| 110                                                                               | 30.3             | 29.8 | 29.4 | 29.7             | 29.3 |      | 28.1             | 27.6 |      | 25.6             | 25   |      | 23                | 22.2 |      | 20.2                 |      |      | 17                |      |      | 12.1              |      |      |                   | 8.5 |     | 110                                                                                 |     |
| 115                                                                               | 30.1             | 29.5 | 29.3 | 29.5             | 29.1 |      | 27.9             | 27.5 |      | 25.5             | 25   |      | 22.9              | 22.3 |      | 20.2                 | 19.3 |      | 17                |      |      | 12                |      |      |                   | 8.4 |     | 115                                                                                 |     |
| 120                                                                               | 29.9             | 29.1 | 28.9 | 29.4             | 28.8 | 27.9 | 27.9             | 27.3 |      | 25.4             | 24.9 |      | 22.9              | 22.3 |      | 20.2                 | 19.4 |      | 17                | 16.2 |      | 12                |      |      |                   | 8.3 |     | 120                                                                                 |     |
| 125                                                                               | 29.8             | 28.8 | 28.4 | 29.2             | 28.5 | 28   | 27.8             | 27.2 | 25.8 | 25.4             | 24.8 |      | 22.9              | 22.3 |      | 20.2                 | 19.5 |      | 17                | 16.3 |      | 11.9              | 11.4 |      |                   | 8.2 |     | 125                                                                                 |     |
| 130                                                                               | 29.7             | 28.6 | 28   | 29               | 28.3 | 27.9 | 27.7             | 27   | 26   | 25.3             | 24.7 | 23.1 | 22.9              | 22.3 |      | 20.2                 | 19.6 |      | 17                | 16.3 |      | 11.9              | 11.3 |      |                   | 8.2 | 7.6 | 130                                                                                 |     |
| 135                                                                               | 29.5             | 28.4 | 27.6 | 28.7             | 28.1 | 27.6 | 27.4             | 26.9 | 26.1 | 25.1             | 24.7 | 23.3 | 22.9              | 22.2 |      | 20.2                 | 19.6 |      | 17                | 16.4 |      | 11.8              | 11.2 |      |                   | 8.1 | 7.5 | 135                                                                                 |     |
| 140                                                                               | 27.8             | 28.3 | 27.3 | 28.1             | 28   | 27.3 | 27.2             | 26.9 | 26.1 | 25               | 24.6 | 23.5 | 22.9              | 22.2 | 20.7 | 20.2                 | 19.6 |      | 17                | 16.5 |      | 11.8              | 11.1 |      |                   | 8.1 | 7.4 | 140                                                                                 |     |
| 145                                                                               | 25.6             | 28.3 | 27.1 | 26.9             | 27.9 | 27.1 | 26.8             | 26.8 | 26.1 | 24.8             | 24.6 | 23.7 | 22.8              | 22.2 | 20.8 | 20.2                 | 19.6 | 17.8 | 17                | 16.5 |      | 11.8              | 11.1 |      |                   | 8.1 | 7.4 | 145                                                                                 |     |
| 150                                                                               | 23.2             | 27.7 | 26.9 | 25.4             | 27.9 | 26.9 | 26.3             | 26.7 | 25.9 | 24.7             | 24.6 | 23.9 | 22.8              | 22.2 | 21.1 | 20.2                 | 19.6 | 17.9 | 17                | 16.5 |      | 11.8              | 11.1 |      |                   | 8.1 | 7.4 | 150                                                                                 |     |
| 155                                                                               | 20.6             | 26.1 | 26.9 | 23               | 27.5 | 26.7 | 25.1             | 26.6 | 25.8 | 24.6             | 24.4 | 23.9 | 22.7              | 22.2 | 21.3 | 20.2                 | 19.6 | 18.1 | 17                | 16.6 | 14.9 | 11.8              | 11.1 |      |                   | 8.1 | 7.4 | 155                                                                                 |     |
| 160                                                                               | 17.8             | 24   | 26.9 | 20.4             | 26.5 | 26.6 | 22.6             | 26.5 | 25.7 | 24               | 24.3 | 23.8 | 22.7              | 22.2 | 21.5 | 20.2                 | 19.6 | 18.3 | 17                | 16.6 | 15   | 11.8              | 11.1 |      |                   | 8.1 | 7.4 | 160                                                                                 |     |
| 165                                                                               |                  | 21.4 | 26.1 | 17.2             | 24.7 | 26.6 | 20               | 26.4 | 25.6 | 22.9             | 24.2 | 23.8 | 22.7              | 22.2 | 21.5 | 20.2                 | 19.6 | 18.5 | 17                | 16.6 | 15.2 | 11.8              | 11.1 | 10.8 |                   | 8.1 | 7.4 | 165                                                                                 |     |
| 170                                                                               |                  | 18   | 24.4 |                  | 22.1 | 26.5 |                  | 25.1 | 25.6 | 20.3             | 24.2 | 23.8 | 21.8              | 22.2 | 21.5 | 20.2                 | 19.6 | 18.7 | 17                | 16.6 | 15.4 | 11.8              | 11.1 | 10.8 |                   | 8.1 | 7.4 | 170                                                                                 |     |
| 175                                                                               |                  |      | 21.6 |                  |      | 25.8 |                  | 22.6 | 25.6 |                  | 24.2 | 23.8 |                   | 22.2 | 21.6 |                      | 19.6 | 18.9 | 17                | 16.6 | 15.6 | 11.8              | 11.1 | 10.8 |                   | 8.1 | 7.4 | 7.2                                                                                 | 175 |
| 180                                                                               |                  |      |      |                  |      | 23.4 |                  | 19   | 25.2 |                  | 24   | 23.8 |                   | 22.2 | 21.6 |                      | 19.6 | 19   |                   | 16.6 | 15.8 |                   | 11.1 | 10.7 |                   | 8.1 | 7.4 | 7.3                                                                                 | 180 |
| 185                                                                               |                  |      |      |                  |      |      |                  |      |      | 24.2             |      | 23.4 |                   | 22.1 | 21.5 |                      | 19.6 | 19   |                   | 16.6 | 15.9 |                   | 11.1 | 10.6 |                   |     | 7.4 | 7.4                                                                                 | 185 |
| 190                                                                               |                  |      |      |                  |      |      |                  |      |      | 21.8             |      |      |                   |      | 20.9 |                      | 19.6 | 19   |                   | 16.6 | 15.9 |                   | 11.1 | 10.6 |                   |     | 7.4 | 7.5                                                                                 | 190 |
| 195                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      | 21.8 |                   |      | 20.1 |                      |      | 18.9 |                   | 16.6 | 15.7 |                   | 11.1 | 10.6 |                   |     | 7.4 | 7.6                                                                                 | 195 |
| 200                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 19.4 |                      |      | 18.4 |                   |      | 15.5 |                   | 11.1 | 10.6 |                   |     | 7.4 | 7.5                                                                                 | 200 |
| 205                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      | 17.7 |                   |      | 15.4 |                   |      | 10.6 |                   | 7.4 | 7.5 | 205                                                                                 |     |
| 210                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      | 15.1 |                   |      | 10.6 |                   |     | 7.5 | 210                                                                                 |     |
| 215                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |      | 10.6 |                   |     | 7.5 | 215                                                                                 |     |
| 220                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |      | 10.6 |                   |     | 7.5 | 220                                                                                 |     |
| 225                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |      |      |                   | 7.5 | 225 |                                                                                     |     |

\* adapter - pièce d'adaptateur

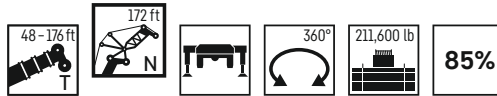
t\_240\_004\_51001\_00\_000



# Lifting capacities

## Forces de levage

# TN 172 ft



|  | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 128 12 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |     |     | 176 + 11 ft 6 in* |     |     |  |
|-----------------------------------------------------------------------------------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|----------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°                  | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° |                   |     |     |                                                                                     |
| 65                                                                                | 29.8             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |     |     |                   | 65  |     |                                                                                     |
| 70                                                                                | 29.5             |      |      | 28.1             |      |      | 26.1             |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |     |     |                   | 70  |     |                                                                                     |
| 75                                                                                | 29.2             |      |      | 27.9             |      |      | 25.9             |      |      | 23.5             |      |      | 20.8              |      |      |                      |      |      |                   |      |      |                   |     |     |                   | 75  |     |                                                                                     |
| 80                                                                                | 28.9             |      |      | 27.6             |      |      | 25.7             |      |      | 23.4             |      |      | 20.8              |      |      | 18.1                 |      |      |                   |      |      |                   |     |     |                   | 80  |     |                                                                                     |
| 85                                                                                | 28.6             |      |      | 27.4             |      |      | 25.6             |      |      | 23.3             |      |      | 20.7              |      |      | 18.1                 |      |      | 15.1              |      |      | 10.7              |     |     |                   | 85  |     |                                                                                     |
| 90                                                                                | 28.3             |      |      | 27.2             |      |      | 25.4             |      |      | 23.1             |      |      | 20.6              |      |      | 18                   |      |      | 15.1              |      |      | 10.6              |     |     | 7.3               | 90  |     |                                                                                     |
| 95                                                                                | 28               | 27.6 |      | 27               |      |      | 25.2             |      |      | 23               |      |      | 20.6              |      |      | 18                   |      |      | 15.1              |      |      | 10.6              |     |     | 7.1               | 95  |     |                                                                                     |
| 100                                                                               | 27.7             | 27.6 |      | 26.8             | 26.2 |      | 25.1             | 24.3 |      | 22.9             |      |      | 20.5              |      |      | 17.9                 |      |      | 15.1              |      |      | 10.5              |     |     | 7                 | 100 |     |                                                                                     |
| 105                                                                               | 27.4             | 27.3 |      | 26.6             | 26.3 |      | 25               | 24.3 |      | 22.8             | 22   |      | 20.4              |      |      | 17.9                 |      |      | 15                |      |      | 10.4              |     |     | 6.9               | 105 |     |                                                                                     |
| 110                                                                               | 27.1             | 27   |      | 26.4             | 26.1 |      | 24.8             | 24.3 |      | 22.7             | 22   |      | 20.4              | 19.6 |      | 17.9                 |      |      | 15                |      |      | 10.3              |     |     | 6.8               | 110 |     |                                                                                     |
| 115                                                                               | 26.8             | 26.6 |      | 26.3             | 26   |      | 24.7             | 24.3 |      | 22.7             | 22.1 |      | 20.3              | 19.7 |      | 17.9                 |      |      | 15                |      |      | 10.2              |     |     | 6.8               | 115 |     |                                                                                     |
| 120                                                                               | 26.7             | 26.3 | 25.9 | 26.1             | 25.7 |      | 24.6             | 24.2 |      | 22.6             | 22.1 |      | 20.3              | 19.7 |      | 17.8                 | 17.1 |      | 15                |      |      | 10.1              |     |     | 6.7               | 120 |     |                                                                                     |
| 125                                                                               | 26.5             | 25.9 | 25.8 | 25.9             | 25.5 | 24.5 | 24.3             | 24.1 |      | 22.5             | 22.1 |      | 20.3              | 19.8 |      | 17.8                 | 17.2 |      | 15                | 14.2 |      | 10                |     |     | 6.6               | 125 |     |                                                                                     |
| 130                                                                               | 26.3             | 25.6 | 25.5 | 25.7             | 25.4 | 24.6 | 24.1             | 24   | 22.7 | 22.4             | 22   |      | 20.3              | 19.8 |      | 17.8                 | 17.2 |      | 15                | 14.3 |      | 10                | 9.4 |     | 6.5               | 130 |     |                                                                                     |
| 135                                                                               | 26.1             | 25.4 | 25.1 | 25.4             | 25.2 | 24.7 | 23.9             | 23.8 | 22.8 | 22.3             | 22   |      | 20.3              | 19.7 |      | 17.8                 | 17.3 |      | 15                | 14.3 |      | 9.9               | 9.4 |     | 6.5               | 5.7 | 135 |                                                                                     |
| 140                                                                               | 25.9             | 25.2 | 24.8 | 25.2             | 25   | 24.6 | 23.7             | 23.7 | 22.9 | 22.2             | 21.9 | 20.5 | 20.3              | 19.7 |      | 17.8                 | 17.3 |      | 15                | 14.3 |      | 9.9               | 9.3 |     | 6.4               | 5.7 | 140 |                                                                                     |
| 145                                                                               | 25.6             | 25.1 | 24.5 | 25               | 24.9 | 24.4 | 23.4             | 23.5 | 23   | 22               | 21.8 | 20.6 | 20.2              | 19.7 | 18.1 | 17.8                 | 17.3 |      | 15                | 14.3 |      | 9.9               | 9.2 |     | 6.4               | 5.7 | 145 |                                                                                     |
| 150                                                                               | 24.3             | 25   | 24.3 | 24.5             | 24.8 | 24.2 | 23.2             | 23.3 | 23   | 21.8             | 21.7 | 20.8 | 20.1              | 19.6 | 18.3 | 17.8                 | 17.3 |      | 15                | 14.3 |      | 9.9               | 9.2 |     | 6.4               | 5.7 | 150 |                                                                                     |
| 155                                                                               | 22.8             | 25   | 24.1 | 23.7             | 24.6 | 24   | 23.1             | 23.1 | 22.9 | 21.7             | 21.6 | 21   | 20.1              | 19.6 | 18.4 | 17.8                 | 17.3 | 15.7 | 15                | 14.3 |      | 9.9               | 9.2 |     | 6.4               | 5.8 | 155 |                                                                                     |
| 160                                                                               | 20.9             | 24.5 | 23.9 | 22.9             | 24.4 | 23.8 | 23               | 22.9 | 22.8 | 21.6             | 21.5 | 21.1 | 20                | 19.6 | 18.6 | 17.8                 | 17.3 | 15.8 | 15                | 14.3 |      | 9.9               | 9.2 |     | 6.4               | 5.9 | 160 |                                                                                     |
| 165                                                                               | 18.7             | 23.3 | 23.9 | 20.8             | 24   | 23.7 | 22.4             | 22.7 | 22.7 | 21.5             | 21.4 | 21.1 | 19.9              | 19.6 | 18.8 | 17.8                 | 17.3 | 16   | 15                | 14.3 | 13.1 | 9.9               | 9.2 |     | 6.4               | 6   | 165 |                                                                                     |
| 170                                                                               | 16.3             | 21.7 | 23.8 | 18.6             | 23.5 | 23.7 | 21               | 22.6 | 22.6 | 21.2             | 21.2 | 21.1 | 19.9              | 19.6 | 18.9 | 17.8                 | 17.3 | 16.2 | 15                | 14.3 | 13.2 | 9.9               | 9.2 | 9.1 | 6.4               | 6.1 | 170 |                                                                                     |
| 175                                                                               |                  | 19.5 | 23.3 | 16.1             | 22.4 | 23.7 | 19.1             | 22.5 | 22.4 | 20.6             | 21.1 | 21   | 19.9              | 19.5 | 19   | 17.8                 | 17.3 | 16.4 | 15                | 14.3 | 13.4 | 9.9               | 9.2 | 9.2 | 6.4               | 6.2 | 175 |                                                                                     |
| 180                                                                               |                  | 16.9 | 22.1 |                  | 20.2 | 23.7 |                  | 22.2 | 22.3 | 18.6             | 21.1 | 20.9 | 19.5              | 19.4 | 19   | 17.8                 | 17.3 | 16.6 | 15                | 14.3 | 13.6 | 9.9               | 9.2 | 9.2 | 6.4               | 6.3 | 5.7 | 180                                                                                 |
| 185                                                                               |                  |      | 19.9 |                  | 17.4 | 23.2 |                  | 21.3 | 22.2 |                  | 21.1 | 20.8 |                   | 19.4 | 19   | 17.8                 | 17.3 | 16.7 | 15                | 14.3 | 13.7 | 9.9               | 9.2 | 9.2 | 6.4               | 6.4 | 5.8 | 185                                                                                 |
| 190                                                                               |                  |      | 16.5 |                  | 21.4 | 23.2 |                  | 18.8 | 22.2 |                  | 21.1 | 20.7 |                   | 19.4 | 19   |                      | 17.3 | 16.8 |                   | 14.3 | 13.9 | 9.9               | 9.2 | 9.2 | 6.4               | 6.5 | 5.9 | 190                                                                                 |
| 195                                                                               |                  |      |      |                  | 18.4 |      |                  |      | 22.2 |                  | 19   | 20.7 |                   | 19.4 | 19   |                      | 17.3 | 16.8 |                   | 14.3 | 14.1 |                   | 9.2 | 9.2 |                   | 6.5 | 6   | 195                                                                                 |
| 200                                                                               |                  |      |      |                  |      |      |                  |      | 21.1 |                  |      | 20.7 |                   | 19.3 | 19   |                      | 17.3 | 16.8 |                   | 14.3 | 14.1 |                   | 9.2 | 9.2 |                   | 6.4 | 6.1 | 200                                                                                 |
| 205                                                                               |                  |      |      |                  |      |      |                  |      |      |                  | 20   |      |                   |      | 18.4 |                      |      | 16.8 |                   | 14.3 | 14.1 |                   | 9.2 | 9.2 |                   | 6.4 | 6.2 | 205                                                                                 |
| 210                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 17.7 |                      |      | 16.7 |                   |      | 14   | 9.2               | 9.2 |     |                   | 6.4 | 6.4 | 210                                                                                 |
| 215                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      | 16.2 |                   |      | 13.9 |                   |     | 9.2 |                   | 6.4 | 6.5 | 215                                                                                 |
| 220                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      | 15.6 |                   |      | 13.7 |                   |     | 9.2 |                   |     | 6.4 | 220                                                                                 |
| 225                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      | 13.2 |                   |     | 9.2 |                   |     | 6.4 | 225                                                                                 |
| 230                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   | 9.2 |     |                   |     | 6.4 | 230                                                                                 |
| 235                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                      |      |      |                   |      |      |                   |     |     |                   |     | 6.4 | 235                                                                                 |

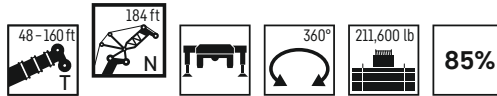
\* adapter - pièce d'adaptateur

t 240\_004\_51101\_00\_000

# Lifting capacities

## Forces de levage

# TN 184 ft



|  | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 1128 12 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |     |     |  |
|-----------------------------------------------------------------------------------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°                   | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° |                                                                                     |
| 70                                                                                | N 184 ft         |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |      |      |                   |     |     | 70                                                                                  |
| 75                                                                                | 26.1             |      |      | 24.7             |      |      | 23               |      |      |                  |      |      | 18.4              |      |      |                       |      |      |                   |      |      |                   |     |     | 75                                                                                  |
| 80                                                                                | 25.6             |      |      | 24.5             |      |      | 22.9             |      |      | 20.8             |      |      | 18.3              |      |      | 15.9                  |      |      |                   |      |      |                   |     |     | 80                                                                                  |
| 85                                                                                | 25.3             |      |      | 24.3             |      |      | 22.7             |      |      | 20.6             |      |      | 18.3              |      |      |                       |      |      |                   |      |      |                   |     |     | 85                                                                                  |
| 90                                                                                | 25.1             |      |      | 24.1             |      |      | 22.6             |      |      | 20.5             |      |      | 18.3              |      |      | 15.9                  |      |      | 13.2              |      |      | 8.9               |     |     | 90                                                                                  |
| 95                                                                                | 24.8             |      |      | 23.9             |      |      | 22.4             |      |      | 20.4             |      |      | 18.2              |      |      | 15.9                  |      |      | 13.2              |      |      | 8.8               |     |     | 95                                                                                  |
| 100                                                                               | 24.6             | 24.1 |      | 23.7             |      |      | 22.3             |      |      | 20.3             |      |      | 18.1              |      |      | 15.8                  |      |      | 13.2              |      |      | 8.7               |     |     | 100                                                                                 |
| 105                                                                               | 24.3             | 24.1 |      | 23.5             | 23   |      | 22.2             | 21.5 |      | 20.2             |      |      | 18.1              |      |      | 15.8                  |      |      | 13.2              |      |      | 8.6               |     |     | 105                                                                                 |
| 110                                                                               | 24               | 24   |      | 23.3             | 23   |      | 22               | 21.5 |      | 20.1             |      |      | 18                |      |      | 15.8                  |      |      | 13.1              |      |      | 8.5               |     |     | 110                                                                                 |
| 115                                                                               | 23.7             | 23.8 |      | 23               | 22.9 |      | 21.8             | 21.5 |      | 20.1             | 19.4 |      | 18                | 17.3 |      | 15.7                  |      |      | 13.1              |      |      | 8.4               |     |     | 115                                                                                 |
| 120                                                                               | 23.4             | 23.5 |      | 22.7             | 22.8 |      | 21.7             | 21.5 |      | 20               | 19.5 |      | 17.9              | 17.3 |      | 15.7                  |      |      | 13                |      |      | 8.3               |     |     | 120                                                                                 |
| 125                                                                               | 23.1             | 23.2 | 22.6 | 22.5             | 22.6 |      | 21.5             | 21.4 |      | 19.9             | 19.5 |      | 17.9              | 17.4 |      | 15.7                  | 15   |      | 12.9              |      |      | 8.2               |     |     | 125                                                                                 |
| 130                                                                               | 22.9             | 22.9 | 22.6 | 22.2             | 22.4 | 21.4 | 21.3             | 21.3 |      | 19.8             | 19.5 |      | 17.9              | 17.4 |      | 15.7                  | 15   |      | 12.9              | 12   |      | 8.2               |     |     | 130                                                                                 |
| 135                                                                               | 22.6             | 22.7 | 22.5 | 22               | 22.1 | 21.4 | 21               | 21.1 |      | 19.7             | 19.4 |      | 17.8              | 17.4 |      | 15.7                  | 15.1 |      | 12.8              | 12   |      | 8.1               | 7.4 |     | 135                                                                                 |
| 140                                                                               | 22.3             | 22.4 | 22.2 | 21.7             | 21.8 | 21.5 | 20.8             | 20.9 | 19.9 | 19.5             | 19.4 |      | 17.8              | 17.4 |      | 15.7                  | 15.1 |      | 12.7              | 12   |      | 8.1               | 7.4 |     | 140                                                                                 |
| 145                                                                               | 22.1             | 22.1 | 21.9 | 21.4             | 21.6 | 21.5 | 20.6             | 20.7 | 20   | 19.3             | 19.3 | 17.9 | 17.7              | 17.3 |      | 15.7                  | 15.2 |      | 12.7              | 12   |      | 8.1               | 7.4 |     | 145                                                                                 |
| 150                                                                               | 21.8             | 21.9 | 21.7 | 21.2             | 21.3 | 21.4 | 20.4             | 20.5 | 20.1 | 19.1             | 19.1 | 18   | 17.7              | 17.3 | 15.8 | 15.7                  | 15.2 |      | 12.7              | 12.1 |      | 8.1               | 7.5 |     | 150                                                                                 |
| 155                                                                               | 21.6             | 21.6 | 21.5 | 21               | 21.1 | 21.2 | 20.2             | 20.2 | 20.2 | 19               | 19   | 18.1 | 17.5              | 17.3 | 16   | 15.7                  | 15.1 |      | 12.7              | 12.2 |      | 8.1               | 7.5 |     | 155                                                                                 |
| 160                                                                               | 21.2             | 21.5 | 21.3 | 20.8             | 20.8 | 21   | 20               | 20   | 20.1 | 18.8             | 18.9 | 18.3 | 17.4              | 17.2 | 16.1 | 15.7                  | 15.1 | 13.7 | 12.7              | 12.3 |      | 8.1               | 7.6 |     | 160                                                                                 |
| 165                                                                               | 20.8             | 21.3 | 21.1 | 20.7             | 20.6 | 20.7 | 19.9             | 19.8 | 19.9 | 18.6             | 18.7 | 18.5 | 17.3              | 17.1 | 16.2 | 15.6                  | 15.1 | 13.8 | 12.7              | 12.4 |      | 8.1               | 7.7 |     | 165                                                                                 |
| 170                                                                               | 19.7             | 21.1 | 21   | 20.6             | 20.5 | 20.5 | 19.8             | 19.7 | 19.7 | 18.5             | 18.5 | 18.5 | 17.2              | 17.1 | 16.4 | 15.6                  | 15.1 | 13.9 | 12.7              | 12.6 | 11.3 | 8.1               | 7.8 |     | 170                                                                                 |
| 175                                                                               | 17.7             | 21   | 20.9 | 19.2             | 20.3 | 20.3 | 19.4             | 19.5 | 19.5 | 18.5             | 18.4 | 18.3 | 17.1              | 17   | 16.5 | 15.5                  | 15.1 | 14.1 | 12.7              | 12.7 | 11.4 | 8.1               | 7.9 |     | 175                                                                                 |
| 180                                                                               | 15.6             | 20.4 | 20.8 | 17.6             | 20.3 | 20.2 | 18.6             | 19.4 | 19.4 | 18.4             | 18.2 | 18.2 | 17                | 16.9 | 16.6 | 15.5                  | 15.1 | 14.2 | 12.7              | 12.7 | 11.6 | 8.1               | 8   | 7.5 | 180                                                                                 |
| 185                                                                               | 13               | 18.5 | 20.8 | 15.6             | 19.9 | 20   | 17.4             | 19.4 | 19.2 | 18.3             | 18.1 | 18.1 | 17                | 16.8 | 16.6 | 15.4                  | 15.1 | 14.4 | 12.7              | 12.8 | 11.7 | 8.1               | 8   | 7.6 | 185                                                                                 |
| 190                                                                               |                  | 16.2 | 20.4 |                  | 19   | 20   | 15.2             | 19.3 | 19.1 | 17               | 18.1 | 18   | 17                | 16.7 | 16.6 | 15.4                  | 15.1 | 14.6 | 12.7              | 12.8 | 11.9 | 8.1               | 8.1 | 7.7 | 190                                                                                 |
| 195                                                                               |                  |      | 18.9 |                  | 16.9 | 20   |                  | 19.1 | 19.1 |                  | 18.1 | 17.9 | 16                | 16.7 | 16.5 | 15.3                  | 15.1 | 14.7 | 12.7              | 12.7 | 12   | 8.1               | 8.1 | 7.7 | 195                                                                                 |
| 200                                                                               |                  |      | 16.5 |                  |      | 19.7 |                  | 17.3 | 19.1 |                  | 18.1 | 17.8 |                   | 16.7 | 16.5 |                       | 15.1 | 14.8 |                   | 12.7 | 12.2 | 8.1               | 8.1 | 7.7 | 200                                                                                 |
| 205                                                                               |                  |      |      |                  |      | 18   |                  |      | 19.1 |                  | 17.3 | 17.8 |                   | 16.7 | 16.4 |                       | 15.1 | 14.8 | 12.7              | 12.4 |      | 8.1               | 7.7 |     | 205                                                                                 |
| 210                                                                               |                  |      |      |                  |      |      |                  |      | 18.8 |                  |      | 17.8 |                   | 16.7 | 16.4 |                       | 15.1 | 14.8 |                   | 12.7 | 12.5 |                   | 8.1 | 7.8 | 210                                                                                 |
| 215                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      | 17.8 |                   |      | 16.4 |                       | 15.1 | 14.8 | 12.7              | 12.5 |      | 8.1               | 7.8 |     | 215                                                                                 |
| 220                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 16.1 |                       |      | 14.9 |                   |      | 12.4 |                   | 8.1 | 7.8 | 220                                                                                 |
| 225                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 15.6 |                       |      | 14.7 |                   |      | 12.2 |                   |     | 7.8 | 225                                                                                 |
| 230                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      | 14.1 |                   |      | 12.2 |                   |     | 7.9 | 230                                                                                 |
| 235                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   | 11.8 |      |                   |     | 7.9 | 235                                                                                 |
| 240                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |      |      |                   | 8   |     | 240                                                                                 |

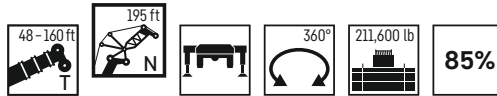
\* adapter - pièce d'adaptateur

t 240\_004\_51201\_00\_000

# Lifting capacities

## Forces de levage

# TN 195 ft



|  | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 1128 12 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |      |      | 160 + 11 ft 6 in* |     |     |  |
|-----------------------------------------------------------------------------------|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------------------------------------------------------------------------|
|                                                                                   | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°                   | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° |                                                                                     |
| 75                                                                                | 22.9             |      |      | 21.8             |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |      |      |                   |     |     | 75                                                                                  |
| 80                                                                                | 22.6             |      |      | 21.6             |      |      | 20.2             |      |      | 18.3             |      |      |                   |      |      |                       |      |      |                   |      |      |                   |     |     | 80                                                                                  |
| 85                                                                                | 22.4             |      |      | 21.4             |      |      | 20.1             |      |      | 18.2             |      |      | 16.2              |      |      |                       |      |      |                   |      |      |                   |     |     | 85                                                                                  |
| 90                                                                                | 22.2             |      |      | 21.3             |      |      | 19.9             |      |      | 18.1             |      |      | 16.1              |      |      | 14                    |      |      | 11.5              |      |      |                   |     |     | 90                                                                                  |
| 95                                                                                | 22               |      |      | 21.1             |      |      | 19.8             |      |      | 18               |      |      | 16.1              |      |      | 14                    |      |      | 11.5              |      |      | 7.3               |     |     | 95                                                                                  |
| 100                                                                               | 21.8             |      |      | 20.9             |      |      | 19.7             |      |      | 17.9             |      |      | 16                |      |      | 13.9                  |      |      | 11.6              |      |      | 7.2               |     |     | 100                                                                                 |
| 105                                                                               | 21.5             | 21   |      | 20.7             |      |      | 19.5             |      |      | 17.9             |      |      | 15.9              |      |      | 13.9                  |      |      | 11.5              |      |      | 7.1               |     |     | 105                                                                                 |
| 110                                                                               | 21.3             | 21   |      | 20.6             | 20.1 |      | 19.4             |      |      | 17.8             |      |      | 15.9              |      |      | 13.9                  |      |      | 11.4              |      |      | 7                 |     |     | 110                                                                                 |
| 115                                                                               | 21               | 20.9 |      | 20.4             | 20.1 |      | 19.3             | 18.8 |      | 17.7             |      |      | 15.8              |      |      | 13.8                  |      |      | 11.3              |      |      | 6.9               |     |     | 115                                                                                 |
| 120                                                                               | 20.7             | 20.8 |      | 20.1             | 20   |      | 19.1             | 18.8 |      | 17.6             | 17   |      | 15.8              |      |      | 13.8                  |      |      | 11.2              |      |      | 6.8               |     |     | 120                                                                                 |
| 125                                                                               | 20.3             | 20.5 |      | 19.8             | 20   |      | 18.9             | 18.8 |      | 17.5             | 17.1 |      | 15.7              | 15.2 |      | 13.8                  |      |      | 11.1              |      |      | 6.7               |     |     | 125                                                                                 |
| 130                                                                               | 20.1             | 20.2 | 19.6 | 19.5             | 19.7 |      | 18.7             | 18.8 |      | 17.4             | 17.1 |      | 15.7              | 15.2 |      | 13.7                  | 13.1 |      | 11                |      |      | 6.6               |     |     | 130                                                                                 |
| 135                                                                               | 19.8             | 20   | 19.6 | 19.3             | 19.4 |      | 18.5             | 18.6 |      | 17.3             | 17.1 |      | 15.6              | 15.3 |      | 13.7                  | 13.2 |      | 11                | 10.2 |      | 6.6               |     |     | 135                                                                                 |
| 140                                                                               | 19.6             | 19.7 | 19.6 | 19.1             | 19.2 | 18.7 | 18.3             | 18.4 |      | 17.2             | 17   |      | 15.6              | 15.3 |      | 13.7                  | 13.2 |      | 10.9              | 10.2 |      | 6.6               | 6   |     | 140                                                                                 |
| 145                                                                               | 19.3             | 19.4 | 19.6 | 18.8             | 19   | 18.7 | 18.1             | 18.2 | 17.3 | 17               | 17   |      | 15.5              | 15.3 |      | 13.7                  | 13.3 |      | 10.9              | 10.2 |      | 6.5               | 6   |     | 145                                                                                 |
| 150                                                                               | 19.1             | 19.2 | 19.3 | 18.6             | 18.7 | 18.7 | 17.9             | 18   | 17.4 | 16.8             | 16.9 | 15.6 | 15.5              | 15.2 |      | 13.7                  | 13.3 |      | 10.9              | 10.3 |      | 6.5               | 6   |     | 150                                                                                 |
| 155                                                                               | 18.9             | 18.9 | 19.1 | 18.4             | 18.5 | 18.6 | 17.7             | 17.8 | 17.5 | 16.6             | 16.7 | 15.7 | 15.4              | 15.2 |      | 13.7                  | 13.2 |      | 10.9              | 10.3 |      | 6.5               | 6   |     | 155                                                                                 |
| 160                                                                               | 18.7             | 18.7 | 18.8 | 18.2             | 18.3 | 18.4 | 17.5             | 17.6 | 17.5 | 16.5             | 16.6 | 15.7 | 15.3              | 15.1 | 13.9 | 13.7                  | 13.2 |      | 10.9              | 10.4 |      | 6.5               | 6.1 |     | 160                                                                                 |
| 165                                                                               | 18.5             | 18.5 | 18.6 | 18               | 18.1 | 18.2 | 17.3             | 17.4 | 17.5 | 16.3             | 16.4 | 15.9 | 15.1              | 15.1 | 14   | 13.7                  | 13.2 | 11.9 | 10.9              | 10.5 |      | 6.5               | 6.2 |     | 165                                                                                 |
| 170                                                                               | 18.4             | 18.3 | 18.4 | 17.8             | 17.9 | 17.9 | 17.1             | 17.2 | 17.3 | 16.2             | 16.3 | 16   | 15                | 15   | 14.1 | 13.6                  | 13.2 | 12   | 10.9              | 10.6 |      | 6.5               | 6.3 |     | 170                                                                                 |
| 175                                                                               | 18.2             | 18.2 | 18.2 | 17.7             | 17.7 | 17.7 | 17               | 17   | 17.1 | 16               | 16.1 | 16.1 | 14.9              | 14.9 | 14.2 | 13.5                  | 13.2 | 12.1 | 10.9              | 10.8 | 9.8  | 6.5               | 6.4 |     | 175                                                                                 |
| 180                                                                               | 17.5             | 18.1 | 18   | 17.6             | 17.6 | 17.6 | 16.9             | 16.9 | 16.9 | 16               | 15.9 | 16   | 14.8              | 14.7 | 14.3 | 13.5                  | 13.2 | 12.2 | 10.9              | 10.9 | 9.9  | 6.5               | 6.5 |     | 180                                                                                 |
| 185                                                                               | 16               | 18   | 17.9 | 16.8             | 17.4 | 17.4 | 16.7             | 16.7 | 16.8 | 15.9             | 15.8 | 15.8 | 14.8              | 14.6 | 14.4 | 13.4                  | 13.2 | 12.3 | 10.9              | 10.9 | 10   | 6.5               | 6.6 | 6.1 | 185                                                                                 |
| 190                                                                               | 14.3             | 17.6 | 17.8 | 15.9             | 17.3 | 17.3 | 16.4             | 16.6 | 16.6 | 15.9             | 15.7 | 15.7 | 14.7              | 14.5 | 14.4 | 13.4                  | 13.2 | 12.5 | 10.9              | 11   | 10.1 | 6.5               | 6.6 | 6.2 | 190                                                                                 |
| 195                                                                               | 12.2             | 16.6 | 17.7 | 14.3             | 17.2 | 17.2 | 15.8             | 16.6 | 16.5 | 15.9             | 15.6 | 15.6 | 14.7              | 14.5 | 14.4 | 13.3                  | 13.2 | 12.6 | 10.9              | 11.1 | 10.2 | 6.5               | 6.5 | 6.3 | 195                                                                                 |
| 200                                                                               |                  | 15   | 17.6 |                  | 16.9 | 17.1 | 14.1             | 16.6 | 16.4 | 15.2             | 15.6 | 15.4 | 14.7              | 14.4 | 14.3 | 13.3                  | 13.1 | 12.8 | 10.9              | 11.1 | 10.3 | 6.5               | 6.5 | 6.4 | 200                                                                                 |
| 205                                                                               |                  | 12.4 | 17.1 |                  | 15.6 | 17.1 |                  | 16.6 | 16.3 |                  | 15.5 | 15.4 | 14.4              | 14.4 | 14.2 | 13.3                  | 13.1 | 12.9 | 10.9              | 11.1 | 10.5 | 6.5               | 6.5 | 6.5 | 205                                                                                 |
| 210                                                                               |                  |      | 15.4 |                  |      | 17.1 |                  | 15.7 | 16.3 |                  | 15.5 | 15.3 |                   | 14.4 | 14.2 |                       | 13.1 | 12.8 | 10.9              | 11   | 10.7 | 6.5               | 6.5 | 6.6 | 210                                                                                 |
| 215                                                                               |                  |      |      |                  | 16.5 |      |                  |      | 16.3 |                  | 15.4 | 15.3 |                   | 14.4 | 14.2 |                       | 13.1 | 12.8 |                   | 11   | 10.8 |                   | 6.5 | 6.5 | 215                                                                                 |
| 220                                                                               |                  |      |      |                  |      |      |                  |      | 16.3 |                  |      | 15.3 |                   | 14.4 | 14.1 |                       | 13.1 | 12.8 |                   | 11   | 10.9 |                   | 6.5 | 6.5 | 220                                                                                 |
| 225                                                                               |                  |      |      |                  |      |      |                  |      | 15.1 |                  |      | 15.3 |                   |      | 14.1 |                       | 13.1 | 12.8 |                   | 11   | 11   |                   | 6.5 | 6.5 | 225                                                                                 |
| 230                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      | 15.3 |                   |      | 14.1 |                       |      | 12.8 |                   | 11   | 11   |                   | 6.5 | 6.5 | 230                                                                                 |
| 235                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 14.1 |                       |      | 12.8 |                   |      | 11   |                   | 6.5 | 6.5 | 235                                                                                 |
| 240                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      | 12.8 |                   |      | 10.9 |                   | 6.5 | 6.5 | 240                                                                                 |
| 245                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   | 10.7 |      |                   | 6.5 | 6.5 | 245                                                                                 |
| 250                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |      |      |                   | 6.5 | 6.5 | 250                                                                                 |
| 255                                                                               |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |      |      |                   | 6.5 | 6.5 | 255                                                                                 |

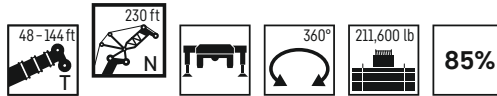
\* adapter - pièce d'adaptateur

t 240\_004\_51301\_00\_000

# Lifting capacities

## Forces de levage

# TN 230 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 1128 12 + 11 ft 6 in* |      |      | 144 + 11 ft 6 in* |     |     |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-----------------------|------|------|-------------------|-----|-----|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°                   | 75°  | 68°  | 82°               | 75° | 68° |     |
| 80  | 20.2             |      |      | 19.2             |      |      | 17.8             |      |      | 16.1             |      |      |                   |      |      |                       |      |      |                   |     |     | 80  |
| 85  | 20               |      |      | 19.1             |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |     |     | 85  |
| 90  | 19.8             |      |      | 18.9             |      |      | 17.7             |      |      | 16               |      |      | 14.2              |      |      | 12.1                  |      |      |                   |     |     | 90  |
| 95  | 19.6             |      |      | 18.7             |      |      | 17.5             |      |      | 15.9             |      |      | 14.1              |      |      | 12.1                  |      |      | 9.8               |     |     | 95  |
| 100 | 19.4             |      |      | 18.6             |      |      | 17.4             |      |      | 15.8             |      |      | 14.1              |      |      | 12.1                  |      |      | 9.8               |     |     | 100 |
| 105 | 19.1             |      |      | 18.4             |      |      | 17.3             |      |      | 15.8             |      |      | 14                |      |      | 12.1                  |      |      | 9.7               |     |     | 105 |
| 110 | 18.9             | 18.5 |      | 18.2             |      |      | 17.2             |      |      | 15.7             |      |      | 14                |      |      | 12.1                  |      |      | 9.6               |     |     | 110 |
| 115 | 18.6             | 18.4 |      | 18.1             | 17.7 |      | 17.1             |      |      | 15.6             |      |      | 13.9              |      |      | 12.1                  |      |      | 9.4               |     |     | 115 |
| 120 | 18.4             | 18.4 |      | 17.8             | 17.6 |      | 16.9             | 16.5 |      | 15.5             |      |      | 13.9              |      |      | 12                    |      |      | 9.3               |     |     | 120 |
| 125 | 18.1             | 18.2 |      | 17.6             | 17.6 |      | 16.7             | 16.5 |      | 15.4             | 14.9 |      | 13.8              |      |      | 12                    |      |      | 9.3               |     |     | 125 |
| 130 | 17.8             | 18   |      | 17.3             | 17.5 |      | 16.5             | 16.5 |      | 15.3             | 14.9 |      | 13.7              | 13.3 |      | 12                    |      |      | 9.2               |     |     | 130 |
| 135 | 17.5             | 17.7 | 17.1 | 17.1             | 17.3 |      | 16.3             | 16.5 |      | 15.2             | 15   |      | 13.7              | 13.3 |      | 11.9                  | 11.3 |      | 9.2               |     |     | 135 |
| 140 | 17.3             | 17.4 | 17.1 | 16.8             | 17   |      | 16.1             | 16.3 |      | 15.1             | 15   |      | 13.7              | 13.3 |      | 11.9                  | 11.3 |      | 9.2               | 8.4 |     | 140 |
| 145 | 17               | 17.2 | 17.1 | 16.6             | 16.8 | 16.2 | 15.9             | 16.1 |      | 15               | 14.9 |      | 13.6              | 13.3 |      | 11.9                  | 11.4 |      | 9.2               | 8.4 |     | 145 |
| 150 | 16.8             | 16.9 | 17.1 | 16.4             | 16.5 | 16.3 | 15.7             | 15.9 | 15.1 | 14.8             | 14.9 |      | 13.5              | 13.3 |      | 11.8                  | 11.4 |      | 9.2               | 8.5 |     | 150 |
| 155 | 16.6             | 16.7 | 16.9 | 16.1             | 16.3 | 16.3 | 15.5             | 15.7 | 15.1 | 14.6             | 14.7 |      | 13.4              | 13.2 |      | 11.8                  | 11.4 |      | 9.2               | 8.5 |     | 155 |
| 160 | 16.4             | 16.5 | 16.6 | 15.9             | 16   | 16.2 | 15.3             | 15.4 | 15.2 | 14.4             | 14.6 | 13.6 | 13.3              | 13.2 |      | 11.8                  | 11.5 |      | 9.2               | 8.6 |     | 160 |
| 165 | 16.2             | 16.2 | 16.4 | 15.7             | 15.8 | 16   | 15.1             | 15.2 | 15.2 | 14.2             | 14.4 | 13.7 | 13.2              | 13.1 | 12   | 11.8                  | 11.5 |      | 9.2               | 8.7 |     | 165 |
| 170 | 16               | 16   | 16.1 | 15.6             | 15.6 | 15.8 | 15               | 15.1 | 15.1 | 14.1             | 14.2 | 13.7 | 13                | 13   | 12.1 | 11.8                  | 11.4 |      | 9.2               | 8.7 |     | 170 |
| 175 | 15.8             | 15.8 | 15.9 | 15.4             | 15.4 | 15.6 | 14.8             | 14.9 | 15   | 13.9             | 14   | 13.8 | 12.9              | 12.9 | 12.2 | 11.7                  | 11.4 | 10.3 | 9.2               | 8.8 |     | 175 |
| 180 | 15.7             | 15.7 | 15.7 | 15.3             | 15.3 | 15.4 | 14.7             | 14.7 | 14.8 | 13.8             | 13.9 | 13.8 | 12.8              | 12.8 | 12.3 | 11.6                  | 11.4 | 10.4 | 9.2               | 8.9 | 8.2 | 180 |
| 185 | 15.6             | 15.5 | 15.6 | 15.2             | 15.2 | 15.2 | 14.6             | 14.5 | 14.6 | 13.7             | 13.7 | 13.7 | 12.7              | 12.7 | 12.4 | 11.5                  | 11.4 | 10.5 | 9.2               | 9.1 | 8.3 | 185 |
| 190 | 15.1             | 15.4 | 15.4 | 15               | 15   | 15   | 14.5             | 14.4 | 14.5 | 13.7             | 13.6 | 13.6 | 12.6              | 12.6 | 12.4 | 11.4                  | 11.4 | 10.6 | 9.2               | 9.2 | 8.4 | 190 |
| 195 | 14               | 15.3 | 15.3 | 14.6             | 14.9 | 14.9 | 14.4             | 14.3 | 14.3 | 13.6             | 13.5 | 13.5 | 12.6              | 12.5 | 12.4 | 11.4                  | 11.3 | 10.7 | 9.2               | 9.2 | 8.5 | 195 |
| 200 | 12.9             | 15.2 | 15.2 | 14.1             | 14.8 | 14.8 | 14.4             | 14.2 | 14.2 | 13.6             | 13.4 | 13.4 | 12.5              | 12.4 | 12.4 | 11.4                  | 11.3 | 10.8 | 9.2               | 9.3 | 8.6 | 200 |
| 205 | 11.2             | 14.6 | 15.2 | 13               | 14.8 | 14.7 | 14.1             | 14.2 | 14.1 | 13.6             | 13.4 | 13.3 | 12.5              | 12.3 | 12.3 | 11.4                  | 11.2 | 10.9 | 9.2               | 9.4 | 8.7 | 205 |
| 210 |                  | 13.7 | 15.1 | 11.3             | 14.8 | 14.7 | 12.7             | 14.2 | 14   | 13.3             | 13.3 | 13.2 | 12.5              | 12.3 | 12.2 | 11.4                  | 11.2 | 11   | 9.2               | 9.3 | 8.8 | 210 |
| 215 |                  | 11.6 | 15   |                  | 14.1 | 14.6 |                  | 14.2 | 14   | 12.2             | 13.3 | 13.2 | 12.3              | 12.3 | 12.2 | 11.3                  | 11.1 | 11   | 9.2               | 9.3 | 9   | 215 |
| 220 |                  |      | 14.1 |                  |      | 14.6 |                  | 13.8 | 14   |                  | 13.3 | 13.1 |                   | 12.3 | 12.1 | 10.8                  | 11.1 | 11   | 9.1               | 9.3 | 9.2 | 220 |
| 225 |                  |      |      |                  |      | 14.4 |                  | 12.4 | 13.9 |                  | 13.3 | 13.1 |                   | 12.3 | 12.1 |                       | 11.1 | 10.9 |                   | 9.3 | 9.3 | 225 |
| 230 |                  |      |      |                  |      |      |                  |      | 13.9 |                  |      | 13.1 |                   | 12.3 | 12   |                       | 11.1 | 10.9 |                   | 9.3 | 9.3 | 230 |
| 235 |                  |      |      |                  |      |      |                  |      | 13.8 |                  |      | 13.1 |                   |      | 12   |                       | 11.1 | 10.9 |                   | 9.3 | 9.3 | 235 |
| 240 |                  |      |      |                  |      |      |                  |      |      |                  |      | 13.1 |                   |      | 12   |                       |      | 10.9 |                   | 9.3 | 9.3 | 240 |
| 245 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 12   |                       |      | 10.9 |                   |     | 9.3 | 245 |
| 250 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      | 10.9 |                   |     | 9.3 | 250 |
| 255 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |     | 9.3 | 255 |
| 260 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                       |      |      |                   |     | 9.2 | 260 |

\* adapter - pièce d'adaptateur

t 240\_004\_51401\_00\_000

# Lifting capacities

## Forces de levage

# TN 218 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |      |      | 128 + 11 ft 6 in* |     |     | 144 + 11 ft 6 in* |     |     |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|------|------|-------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75°  | 68°  | 82°               | 75° | 68° | 82°               | 75° | 68° |     |
| 80  | 17.9             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                   |     |     |                   |     |     | 80  |
| 85  | 17.8             |      |      | 17               |      |      | 15.7             |      |      |                  |      |      |                   |      |      |                   |     |     |                   |     |     | 85  |
| 90  | 17.7             |      |      | 16.9             |      |      | 15.7             |      |      | 14.2             |      |      | 12.3              |      |      |                   |     |     |                   |     |     | 90  |
| 95  | 17.5             |      |      | 16.7             |      |      | 15.6             |      |      | 14.1             |      |      | 12.3              |      |      | 10.4              |     |     |                   |     |     | 95  |
| 100 | 17.3             |      |      | 16.6             |      |      | 15.5             |      |      | 14               |      |      | 12.3              |      |      | 10.4              |     |     | 8.1               |     |     | 100 |
| 105 | 17.1             |      |      | 16.4             |      |      | 15.4             |      |      | 14               |      |      | 12.2              |      |      | 10.4              |     |     | 8                 |     |     | 105 |
| 110 | 16.9             |      |      | 16.3             |      |      | 15.3             |      |      | 13.9             |      |      | 12.2              |      |      | 10.4              |     |     | 7.9               |     |     | 110 |
| 115 | 16.7             | 16.4 |      | 16.1             |      |      | 15.2             |      |      | 13.8             |      |      | 12.2              |      |      | 10.4              |     |     | 7.8               |     |     | 115 |
| 120 | 16.4             | 16.3 |      | 15.9             | 15.6 |      | 15.1             |      |      | 13.7             |      |      | 12.2              |      |      | 10.4              |     |     | 7.6               |     |     | 120 |
| 125 | 16.2             | 16.2 |      | 15.7             | 15.6 |      | 15               | 14.5 |      | 13.6             |      |      | 12.1              |      |      | 10.4              |     |     | 7.6               |     |     | 125 |
| 130 | 16               | 16.1 |      | 15.5             | 15.5 |      | 14.8             | 14.5 |      | 13.6             | 13.1 |      | 12.1              |      |      | 10.3              |     |     | 7.5               |     |     | 130 |
| 135 | 15.7             | 15.8 |      | 15.3             | 15.4 |      | 14.6             | 14.5 |      | 13.5             | 13.1 |      | 12                | 11.5 |      | 10.3              |     |     | 7.4               |     |     | 135 |
| 140 | 15.4             | 15.6 |      | 15               | 15.2 |      | 14.4             | 14.5 |      | 13.3             | 13.1 |      | 12                | 11.5 |      | 10.3              | 9.8 |     | 7.4               |     |     | 140 |
| 145 | 15.2             | 15.4 | 15.1 | 14.8             | 15   |      | 14.2             | 14.4 |      | 13.2             | 13.1 |      | 12                | 11.6 |      | 10.3              | 9.9 |     | 7.4               | 6.8 |     | 145 |
| 150 | 15               | 15.1 | 15.1 | 14.6             | 14.7 | 14.2 | 14               | 14.2 |      | 13.1             | 13.1 |      | 11.9              | 11.6 |      | 10.3              | 9.9 |     | 7.4               | 6.8 |     | 150 |
| 155 | 14.8             | 14.9 | 15   | 14.4             | 14.5 | 14.3 | 13.8             | 14   | 13.2 | 13               | 13   |      | 11.9              | 11.5 |      | 10.3              | 9.9 |     | 7.4               | 6.9 |     | 155 |
| 160 | 14.6             | 14.7 | 14.8 | 14.2             | 14.3 | 14.3 | 13.6             | 13.8 | 13.2 | 12.8             | 12.9 |      | 11.7              | 11.5 |      | 10.2              | 9.9 |     | 7.4               | 7   |     | 160 |
| 165 | 14.4             | 14.5 | 14.6 | 14               | 14.1 | 14.2 | 13.4             | 13.6 | 13.3 | 12.6             | 12.7 | 11.9 | 11.6              | 11.5 |      | 10.2              | 9.9 |     | 7.4               | 7   |     | 165 |
| 170 | 14.2             | 14.3 | 14.4 | 13.8             | 13.9 | 14   | 13.2             | 13.3 | 13.3 | 12.4             | 12.6 | 11.9 | 11.5              | 11.4 | 10.4 | 10.2              | 9.9 |     | 7.4               | 7.1 |     | 170 |
| 175 | 14               | 14.1 | 14.2 | 13.7             | 13.7 | 13.8 | 13.1             | 13.1 | 13.2 | 12.3             | 12.4 | 12   | 11.3              | 11.3 | 10.5 | 10.2              | 9.9 |     | 7.4               | 7.2 |     | 175 |
| 180 | 13.8             | 13.9 | 14   | 13.5             | 13.5 | 13.6 | 13               | 13   | 13.1 | 12.2             | 12.2 | 12   | 11.2              | 11.2 | 10.6 | 10.1              | 9.9 | 8.8 | 7.4               | 7.3 |     | 180 |
| 185 | 13.7             | 13.7 | 13.8 | 13.3             | 13.4 | 13.4 | 12.8             | 12.8 | 13   | 12.1             | 12.1 | 12   | 11.2              | 11.2 | 10.6 | 10.1              | 9.9 | 8.8 | 7.4               | 7.3 |     | 185 |
| 190 | 13.6             | 13.6 | 13.6 | 13.2             | 13.2 | 13.3 | 12.7             | 12.7 | 12.8 | 11.9             | 12   | 12   | 11.1              | 11.1 | 10.7 | 10                | 9.9 | 8.9 | 7.4               | 7.4 | 7   | 190 |
| 195 | 13.5             | 13.5 | 13.5 | 13.1             | 13.1 | 13.1 | 12.6             | 12.6 | 12.7 | 11.9             | 11.9 | 11.9 | 11                | 11   | 10.8 | 9.9               | 9.8 | 9   | 7.4               | 7.5 | 7.1 | 195 |
| 200 | 13.2             | 13.4 | 13.4 | 13.1             | 13   | 13   | 12.5             | 12.5 | 12.5 | 11.8             | 11.8 | 11.8 | 10.9              | 10.9 | 10.8 | 9.9               | 9.8 | 9.1 | 7.4               | 7.6 | 7.2 | 200 |
| 205 | 12.4             | 13.3 | 13.3 | 12.8             | 12.9 | 12.9 | 12.5             | 12.4 | 12.4 | 11.8             | 11.7 | 11.7 | 10.9              | 10.8 | 10.8 | 9.8               | 9.7 | 9.3 | 7.4               | 7.6 | 7.3 | 205 |
| 210 | 11.5             | 13.2 | 13.2 | 12.5             | 12.8 | 12.8 | 12.5             | 12.3 | 12.3 | 11.7             | 11.6 | 11.6 | 10.9              | 10.7 | 10.7 | 9.8               | 9.7 | 9.4 | 7.4               | 7.5 | 7.3 | 210 |
| 215 | 10.2             | 12.8 | 13.1 | 11.7             | 12.8 | 12.7 | 12.4             | 12.3 | 12.2 | 11.7             | 11.5 | 11.5 | 10.9              | 10.6 | 10.6 | 9.8               | 9.6 | 9.4 | 7.4               | 7.5 | 7.4 | 215 |
| 220 |                  | 12.4 | 13.1 | 10.2             | 12.8 | 12.7 | 11.5             | 12.2 | 12.1 | 11.6             | 11.5 | 11.4 | 10.8              | 10.6 | 10.6 | 9.7               | 9.6 | 9.5 | 7.4               | 7.5 | 7.5 | 220 |
| 225 |                  | 10.6 | 13.1 |                  | 12.5 | 12.6 |                  | 12.2 | 12.1 | 11.1             | 11.5 | 11.4 | 10.5              | 10.6 | 10.5 | 9.5               | 9.6 | 9.5 | 7.4               | 7.5 | 7.5 | 225 |
| 230 |                  |      | 12.7 |                  | 11.2 | 12.6 |                  | 12.2 | 12.1 |                  | 11.5 | 11.3 |                   | 10.6 | 10.4 | 9                 | 9.6 | 9.4 | 7.4               | 7.5 | 7.6 | 230 |
| 235 |                  |      | 10.7 |                  |      | 12.6 |                  | 11.4 | 12   |                  | 11.5 | 11.3 |                   | 10.6 | 10.4 |                   | 9.6 | 9.4 |                   | 7.5 | 7.5 | 235 |
| 240 |                  |      |      |                  |      | 12   |                  |      | 12   |                  | 11.3 | 11.3 |                   | 10.6 | 10.4 |                   | 9.6 | 9.3 |                   | 7.5 | 7.5 | 240 |
| 245 |                  |      |      |                  |      |      |                  |      | 12   |                  |      | 11.3 |                   | 10.6 | 10.3 |                   | 9.6 | 9.3 |                   | 7.5 | 7.5 | 245 |
| 250 |                  |      |      |                  |      |      |                  |      |      |                  |      | 11.3 |                   |      | 10.3 |                   |     | 9.3 |                   | 7.5 | 7.5 | 250 |
| 255 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      | 10.3 |                   |     | 9.3 |                   |     | 7.5 | 255 |
| 260 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                   |     | 9.3 |                   |     | 7.5 | 260 |
| 265 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                   |     | 9.3 |                   |     | 7.5 | 265 |
| 270 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |      |      |                   |     |     |                   |     | 7.5 | 270 |

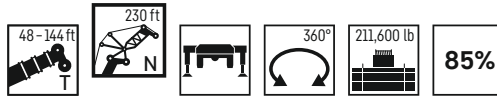
\* adapter - pièce d'adaptateur

t\_240\_004\_51501\_00\_000

# Lifting capacities

## Forces de levage

# TN 230 ft



|     | 48 + 11 ft 6 in* |      |      | 64 + 11 ft 6 in* |      |      | 80 + 11 ft 6 in* |      |      | 96 + 11 ft 6 in* |      |      | 112 + 11 ft 6 in* |     |     | 128 12 + 11 ft 6 in* |     |     | 144 + 11 ft 6 in* |     |     |     |
|-----|------------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|-------------------|-----|-----|----------------------|-----|-----|-------------------|-----|-----|-----|
|     | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°              | 75°  | 68°  | 82°               | 75° | 68° | 82°                  | 75° | 68° | 82°               | 75° | 68° |     |
| 85  | 15.8             |      |      |                  |      |      |                  |      |      |                  |      |      |                   |     |     |                      |     |     |                   |     |     | 85  |
| 90  | 15.6             |      |      | 14.9             |      |      | 13.7             |      |      |                  |      |      |                   |     |     |                      |     |     |                   |     |     | 90  |
| 95  | 15.5             |      |      | 14.7             |      |      | 13.7             |      |      | 12.2             |      |      | 10.5              |     |     |                      |     |     |                   |     |     | 95  |
| 100 | 15.3             |      |      | 14.6             |      |      | 13.6             |      |      | 12.1             |      |      | 10.5              |     |     | 8.8                  |     |     | 6.5               |     |     | 100 |
| 105 | 15.1             |      |      | 14.5             |      |      | 13.5             |      |      | 12.1             |      |      | 10.4              |     |     | 8.8                  |     |     | 6.4               |     |     | 105 |
| 110 | 14.9             |      |      | 14.3             |      |      | 13.4             |      |      | 12               |      |      | 10.4              |     |     | 8.8                  |     |     | 6.2               |     |     | 110 |
| 115 | 14.7             |      |      | 14.2             |      |      | 13.3             |      |      | 12               |      |      | 10.4              |     |     | 8.7                  |     |     | 6.1               |     |     | 115 |
| 120 | 14.5             | 14.2 |      | 14               |      |      | 13.2             |      |      | 11.9             |      |      | 10.4              |     |     | 8.7                  |     |     | 6                 |     |     | 120 |
| 125 | 14.2             | 14.2 |      | 13.8             | 13.5 |      | 13.1             |      |      | 11.9             |      |      | 10.3              |     |     | 8.7                  |     |     | 5.9               |     |     | 125 |
| 130 | 14               | 14.1 |      | 13.6             | 13.5 |      | 13               | 12.6 |      | 11.8             |      |      | 10.3              |     |     | 8.7                  |     |     | 5.9               |     |     | 130 |
| 135 | 13.8             | 13.9 |      | 13.4             | 13.4 |      | 12.8             | 12.6 |      | 11.7             | 11.3 |      | 10.3              |     |     | 8.6                  |     |     | 5.9               |     |     | 135 |
| 140 | 13.5             | 13.7 |      | 13.1             | 13.3 |      | 12.6             | 12.5 |      | 11.6             | 11.2 |      | 10.3              | 9.9 |     | 8.6                  |     |     | 5.8               |     |     | 140 |
| 145 | 13.3             | 13.4 |      | 12.9             | 13.1 |      | 12.4             | 12.5 |      | 11.5             | 11.2 |      | 10.2              | 9.9 |     | 8.6                  | 8.2 |     | 5.8               |     |     | 145 |
| 150 | 13               | 13.2 | 13   | 12.7             | 12.9 |      | 12.2             | 12.4 |      | 11.4             | 11.2 |      | 10.2              | 9.9 |     | 8.6                  | 8.2 |     | 5.8               | 5.3 |     | 150 |
| 155 | 12.8             | 13   | 13   | 12.5             | 12.7 | 12.3 | 12               | 12.2 |      | 11.2             | 11.2 |      | 10.2              | 9.9 |     | 8.6                  | 8.3 |     | 5.8               | 5.3 |     | 155 |
| 160 | 12.5             | 12.7 | 12.9 | 12.2             | 12.4 | 12.3 | 11.8             | 12   |      | 11.1             | 11.1 |      | 10.1              | 9.9 |     | 8.6                  | 8.3 |     | 5.8               | 5.4 |     | 160 |
| 165 | 12.2             | 12.4 | 12.7 | 12               | 12.2 | 12.3 | 11.6             | 11.8 | 11.3 | 10.9             | 11   |      | 10.1              | 9.9 |     | 8.6                  | 8.4 |     | 5.8               | 5.4 |     | 165 |
| 170 | 12               | 12.2 | 12.4 | 11.7             | 12   | 12.2 | 11.4             | 11.6 | 11.4 | 10.8             | 10.9 | 10.1 | 9.9               | 9.8 |     | 8.6                  | 8.4 |     | 5.8               | 5.5 |     | 170 |
| 175 | 11.7             | 11.9 | 12.2 | 11.5             | 11.7 | 12   | 11.2             | 11.4 | 11.4 | 10.6             | 10.7 | 10.2 | 9.8               | 9.7 |     | 8.6                  | 8.4 |     | 5.8               | 5.5 |     | 175 |
| 180 | 11.5             | 11.7 | 11.9 | 11.3             | 11.5 | 11.8 | 11               | 11.2 | 11.4 | 10.4             | 10.6 | 10.2 | 9.6               | 9.6 | 8.8 | 8.6                  | 8.4 |     | 5.8               | 5.6 |     | 180 |
| 185 | 11.3             | 11.5 | 11.7 | 11.1             | 11.3 | 11.5 | 10.8             | 11   | 11.2 | 10.3             | 10.4 | 10.2 | 9.5               | 9.5 | 8.9 | 8.5                  | 8.4 | 7.3 | 5.8               | 5.7 |     | 185 |
| 190 | 11.1             | 11.3 | 11.4 | 10.9             | 11.1 | 11.3 | 10.6             | 10.8 | 11.1 | 10.1             | 10.3 | 10.2 | 9.4               | 9.4 | 9   | 8.4                  | 8.4 | 7.4 | 5.8               | 5.7 |     | 190 |
| 195 | 11               | 11.1 | 11.2 | 10.7             | 10.9 | 11.1 | 10.4             | 10.6 | 10.9 | 9.9              | 10.1 | 10.2 | 9.3               | 9.3 | 9   | 8.4                  | 8.3 | 7.4 | 5.8               | 5.8 | 5.5 | 195 |
| 200 | 10.9             | 10.9 | 11   | 10.6             | 10.7 | 10.9 | 10.3             | 10.4 | 10.7 | 9.8              | 9.9  | 10.1 | 9.1               | 9.2 | 9.1 | 8.3                  | 8.3 | 7.5 | 5.8               | 5.9 | 5.6 | 200 |
| 205 | 10.7             | 10.8 | 10.9 | 10.5             | 10.6 | 10.7 | 10.2             | 10.3 | 10.5 | 9.7              | 9.8  | 9.9  | 9                 | 9.1 | 9.1 | 8.2                  | 8.2 | 7.6 | 5.8               | 6   | 5.7 | 205 |
| 210 | 10.5             | 10.6 | 10.7 | 10.4             | 10.4 | 10.5 | 10               | 10.1 | 10.3 | 9.6              | 9.7  | 9.8  | 8.9               | 9   | 9.1 | 8.2                  | 8.2 | 7.7 | 5.8               | 6   | 5.8 | 210 |
| 215 | 10.3             | 10.5 | 10.6 | 10.3             | 10.3 | 10.4 | 10               | 10   | 10.1 | 9.5              | 9.5  | 9.7  | 8.9               | 8.9 | 9   | 8.1                  | 8.1 | 7.8 | 5.8               | 6   | 5.8 | 215 |
| 220 | 10               | 10.4 | 10.4 | 10.3             | 10.2 | 10.2 | 9.9              | 9.9  | 10   | 9.5              | 9.4  | 9.6  | 8.8               | 8.8 | 8.9 | 8.1                  | 8   | 7.8 | 5.8               | 6   | 5.9 | 220 |
| 225 | 9                | 10.4 | 10.4 | 10               | 10.1 | 10.1 | 9.9              | 9.8  | 9.9  | 9.4              | 9.3  | 9.4  | 8.8               | 8.7 | 8.8 | 8                    | 8   | 7.8 | 5.8               | 6   | 6   | 225 |
| 230 | 7.7              | 10.4 | 10.3 | 9                | 10.1 | 10   | 9.5              | 9.7  | 9.7  | 9.4              | 9.3  | 9.3  | 8.8               | 8.7 | 8.7 | 7.9                  | 7.9 | 7.8 | 5.8               | 6   | 6   | 230 |
| 235 |                  | 9.4  | 10.3 |                  | 10.1 | 10   | 8.7              | 9.7  | 9.7  | 9.4              | 9.2  | 9.2  | 8.6               | 8.6 | 8.6 | 7.8                  | 7.9 | 7.8 | 5.8               | 6   | 6   | 235 |
| 240 |                  |      | 10.3 |                  | 9.6  | 10   |                  | 9.7  | 9.6  |                  | 9.2  | 9.1  | 8                 | 8.6 | 8.6 | 7.3                  | 7.9 | 7.8 | 5.8               | 6   | 6   | 240 |
| 245 |                  |      | 9.7  |                  |      | 10   |                  | 9.7  | 9.6  |                  | 9.2  | 9.1  |                   | 8.6 | 8.5 |                      | 7.8 | 7.7 |                   | 6   | 6   | 245 |
| 250 |                  |      |      |                  |      | 10   |                  |      | 9.6  |                  | 9.2  | 9.1  |                   | 8.6 | 8.4 |                      | 7.8 | 7.7 |                   | 6   | 6   | 250 |
| 255 |                  |      |      |                  |      |      |                  |      | 9.6  |                  |      | 9    |                   | 8.6 | 8.4 |                      | 7.8 | 7.7 |                   | 6   | 6   | 255 |
| 260 |                  |      |      |                  |      |      |                  |      |      |                  |      | 9    |                   |     | 8.4 |                      | 7.8 | 7.7 |                   | 6   | 6   | 260 |
| 265 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |     | 8.4 |                      |     | 7.6 |                   | 6   | 6   | 265 |
| 270 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |     | 8.4 |                      |     | 7.6 |                   | 6   | 6   | 270 |
| 275 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |     |     |                      |     | 7.6 |                   |     | 6   | 275 |
| 280 |                  |      |      |                  |      |      |                  |      |      |                  |      |      |                   |     |     |                      |     |     |                   |     | 6   | 280 |

\* adapter - pièce d'adaptateur

t\_240\_004\_51601\_00\_000

# Equipment



## Crane carrier

|                   |                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame             | Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.                                                                                                                                                                        |
| Outriggers        | 4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.                                                                                     |
| Engine            | 8-cylinder Diesel, make Liebherr, watercooled, output 455 kW (619 h.p.), max. torque 2263 lb-ft. Exhaust emissions to (EU 2016/1628 and EPA/CARB or ECE-R.96, spark arrestor. Fuel reservoir: 211 gallons.                                                                 |
| Transmission      | Automatic transmission system with torque converter and interarder, make ZF with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.                                                                                                         |
| Axles             | Low maintenance carrier axles, all 6 axles steered. Axle 1, 3 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.                                                                    |
| Cardan shaft      | All cardan shafts with 70° diagonal toothing and maintenance free.                                                                                                                                                                                                         |
| Suspension        | All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.                                                                                                                                                                    |
| Tyres             | 12 tyres, all axles equipped with single tyres. Size of tyres: 445/95 R 25 (16.00 R 25).                                                                                                                                                                                   |
| Steering          | 2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.                                                                                                                       |
| Brakes            | Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit.<br>Hand brake: Spring-loaded, acting on all wheels of axles 2 to 6.<br>Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), interarder in gearbox. |
| Driver's cab      | Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.                                                                                                                                                                  |
| Electrical system | Modern data bus technique, 24 Volt DC.                                                                                                                                                                                                                                     |



## Crane superstructure

|                 |                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame           | Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.                                                                                                                  |
| Crane drive     | Mechanical drive of the crane hydraulic from the chassis. Variable axial piston pumps with servo control and power regulation.                                                                                                                   |
| Control         | Two self-centering control levers (joy-sticks). Pedal switches for telescoping. Infinitely variable crane motions through displacement control of the hydraulic pumps. Additional working speed control by variation of the Diesel engine speed. |
| Hoist gear      | Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.                                                                                   |
| Luffing gear    | 1 differential hydraulic ram with nonreturn valve.                                                                                                                                                                                               |
| Slewing gear    | Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Actuation by closed regulated oil circuit.                                                                                                                    |
| Crane cab       | Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.                                                                                                                                                               |
| Safety devices  | LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.                                                                                                                                |
| Telescopic boom | 123,500 lb                                                                                                                                                                                                                                       |
| Counterweight   | 1 base section and 6 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK.<br>Boom length 48 ft to 256 ft.                                                              |

## Additional equipment

|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| K                        | Integrated assembly jib of 18 ft (option)<br>Swing away jib 41 ft – 115 ft<br>Adjustment 0°; 20°; 40° |
| NZK                      | Hydraulically adjustable swing-away jib 41 ft – 115 ft<br>Hydraulically adjustment 0° – 40°           |
| F                        | Fixed lattice jib 46 ft – 138 ft<br>Adjustment 0°; 20°; 40°                                           |
| N                        | Luffing fly jib 57 ft – 230 ft                                                                        |
| 2nd hoist gear           | For 2-hook operation or for operating the luffing lattice jib.                                        |
| Tyres                    | 12 tyres, size 525/80 R 25 (20.5 R 25).                                                               |
| Drive 12 x 8             | The 4 <sup>th</sup> axle is driven additionally.                                                      |
| Additional counterweight | 4 additional counterweight slabs of 22,050 lb each for a total counterweight of 211,600 lb.           |

Other items of equipment available on request.

# Équipement



## Châssis porteur

|                                |                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cadre</b>                   | Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.                                                                                                                                                                                                                    |
| <b>Calage</b>                  | Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.                                                                                                            |
| <b>Moteur</b>                  | Moteur diesel, 8 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 455 kW (619 ch), couple max. 2263 lb-ft. Emissions des gaz d'échappement conformes aux directives (EU) 2016/1628 et EPA/CARB ou ECE-R.96, pare-étincelles. Capacité du réservoir à carburant: 211 gallons.                       |
| <b>Boîte de vitesse</b>        | Boîte automatique avec convertisseur de couple et ralentisseur, marque ZF avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.                                                                                                                                                   |
| <b>Essieux</b>                 | Essieux nécessitant peu d'entretien, les 6 essieux sont directeurs. Les essieux 1, 3 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.                                                                                      |
| <b>Arbres articulés</b>        | Tous les flasques de croisillons avec denture en croix 70° et sans entretien.                                                                                                                                                                                                                                     |
| <b>Suspension</b>              | Tous les essieux sont à suspension hydropneumatique avec mise à niveau automatique. Suspension blocable hydrauliquement.                                                                                                                                                                                          |
| <b>Pneumatiques</b>            | 12 roues à monte simple. Taille: 445/95 R 25 (16.00 R 25).                                                                                                                                                                                                                                                        |
| <b>Direction</b>               | 2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.                                                                                                                      |
| <b>Freins</b>                  | Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits.<br>Frein de secours et frein à main: par cylindres à ressorts sur les essieux 2 à 6.<br>Freins auxiliaire: par clapet sur échappement, frein Telma (option), ralentisseur monté sur boîte de vitesse. |
| <b>Cabine</b>                  | Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.                                                                                                                                                                                          |
| <b>Installation électrique</b> | Technique moderne de transmission de données par BUS de données, courant continu 24 Volts.                                                                                                                                                                                                                        |



## Partie tournante

|                               |                                                                                                                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cadre</b>                  | Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.                                                                       |
| <b>Entraînement</b>           | Entraînement mécanique de l'hydraulique de la grue par le châssis de la grue. Pompes réglables à pistons axiaux avec servocommande et réglage de puissance.                                                              |
| <b>Commande</b>               | 2 leviers à 4 directions avec rappel automatique au point mort. Commande des mouvements progressive en continu par variation de l'inclinaison des pompes et augmentation du régime moteur.                               |
| <b>Mécanisme de levage</b>    | Moteur hydraulique à cylindrée variable, treuil avec réducteur planétaire à frein d'arrêt à lamelles intégrées, en circuit hydraulique ferme.                                                                            |
| <b>Mécanisme de relevage</b>  | 1 vérin hydraulique différentiel avec clapet anti-retour de sécurité.                                                                                                                                                    |
| <b>Dispositif de rotation</b> | Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort en circuit hydraulique ferme.                                                                                    |
| <b>Cabine de grue</b>         | Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière. |
| <b>Dispositif de sécurité</b> | Contrôleur de charge LICCON2, système test, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.                                                                                             |
| <b>Contrepoids</b>            | 123,500 lb                                                                                                                                                                                                               |
| <b>Flèche télescopique</b>    | Un élément de base et de 6 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 48 ft – 256 ft.                           |

## Équipement supplémentaire

|                                 |                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>K</b>                        | Integree de 18 ft de long (en option)<br>Flechette pliante 41 ft – 115 ft<br>Positionnement 0°; 20°; 40° |
| <b>NZK</b>                      | Flechette pliante à positionnement hydraulique 41 ft – 115 ft<br>Positionnement hydraulique à 0° – 40°   |
| <b>F</b>                        | Flechette treillis fixe 46 ft – 138 ft<br>Positionnement 0°; 20°; 40°                                    |
| <b>N</b>                        | Flechette treillis à volée variable 57 ft – 230 ft                                                       |
| <b>2ème mécanisme de levage</b> | Pour le travail avec 2 crochets ou le relevage de la fléchette à volée variable.                         |
| <b>Pneumatiques</b>             | 12 pneus. Taille 525/80 R 25 (20.5 R 25).                                                                |
| <b>Entraînement 12 x 8</b>      | Le 4ème essieu est également entraîné.                                                                   |
| <b>Contrepoids additionnel</b>  | 4 blocs latéraux de suspension de 22,050 lb pour un contrepoids total de 211,600 lb.                     |

Autres équipements supplémentaires sur demande.



# Description of symbols

## Explication des symboles

|  |                                                                             |  |                                                                                  |  |                                                                  |
|--|-----------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|--|------------------------------------------------------------------|
|  | <b>Max. capacity</b><br>Capacité max.                                       |  | <b>Outriggers front</b><br>Calage avant                                          |  | <b>Telescopic boom</b><br>Flèche télescopique                    |
|  | <b>Max. hoist height</b><br>Hauteur de levage max.                          |  | <b>Outriggers rear</b><br>Calage arrière                                         |  | <b>Swing away jib</b><br>Fléchette pliante                       |
|  | <b>Max. radius</b><br>Portée max.                                           |  | <b>Crane superstructure</b><br>Partie tournante de la grue                       |  | <b>Hydraulic swing away jib</b><br>Fléchette pliante hydraulique |
|  | <b>Tyres</b><br>Pneumatiques                                                |  | <b>Infinitely variable</b><br>en continu                                         |  | <b>Fixed lattice jib</b><br>Fléchette treillis fixe              |
|  | <b>Hookblock/Capacity</b><br>Moufle à crochet/Capacité de charge            |  | <b>Rope diameter</b><br>Diamètre                                                 |  | <b>Luffing fly jib</b><br>Fléchette treillis à volée variable    |
|  | <b>No. of sheaves</b><br>Poulies                                            |  | <b>Rope length</b><br>Longueur du câble                                          |  |                                                                  |
|  | <b>No. of lines</b><br>Brins                                                |  | <b>Max. single line pull</b><br>Effort au brin maxi.                             |  |                                                                  |
|  | <b>Weight</b><br>Poids                                                      |  | <b>Hoist gear</b><br>Treuil de levage                                            |  |                                                                  |
|  | <b>Crane carrier</b><br>Châssis porteur                                     |  | <b>Slewing speeds</b><br>Vitesses d'orientation                                  |  |                                                                  |
|  | <b>Driving speed</b><br>Vitesse de translation                              |  | <b>Boom length</b><br>Longueur de la flèche                                      |  |                                                                  |
|  | <b>Gradability</b><br>Aptitude à gravir les pentes                          |  | <b>Boom position</b><br>Position de la flèche                                    |  |                                                                  |
|  | <b>Transmission</b><br>Boîte de vitesse                                     |  | <b>Counterweight</b><br>Contrepoids                                              |  |                                                                  |
|  | <b>Gear</b><br>Vitesse                                                      |  | <b>Outriggers</b><br>Calage                                                      |  |                                                                  |
|  | <b>Onroad gear</b><br>Vitesse de route                                      |  | <b>Slewing gear / Working area</b><br>Mécanisme d'orientation / Plage de travail |  |                                                                  |
|  | <b>Driving speed - Crawl speed</b><br>Vitesse de translation - Marche lente |  | <b>Standard</b><br>Norme                                                         |  |                                                                  |
|  | <b>Max. supporting forces</b><br>Forces d'appui max.                        |  | <b>Radius</b><br>Portée                                                          |  |                                                                  |

## Remarks

|     |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.                                                                                                                                                                                                                                  |
| 2.  | For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m <sup>2</sup> per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced. |
| 3.  | The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).                                                                                                                                                                                                                                                     |
| 4.  | Lifting capacities are given in kip.                                                                                                                                                                                                                                                                                                                                                                      |
| 5.  | The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.                                                                                                                                                                                                                                                                                |
| 6.  | Working radii are measured from the slewing center.                                                                                                                                                                                                                                                                                                                                                       |
| 7.  | The stated lengths of the telescopic boom are maximum values and may deviate slightly.                                                                                                                                                                                                                                                                                                                    |
| 8.  | The lifting capacities given for the telescopic boom apply if the folding jib is removed.                                                                                                                                                                                                                                                                                                                 |
| 9.  | Subject to modification of lifting capacities.                                                                                                                                                                                                                                                                                                                                                            |
| 10. | Lifting capacities above 298,600 lb/410,000 lb only with additional pulley block/special equipment.                                                                                                                                                                                                                                                                                                       |
| 11. | The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.                                                                                                                                                                       |
| 12. | The illustrations in this brochure may feature accessories and special equipment not included in the standard scope of delivery.                                                                                                                                                                                                                                                                          |

## Remarques

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.                                                                                                                                                                                                                                                                             |
| 2.  | Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m <sup>2</sup> par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite. |
| 3.  | Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).                                                                                                                                                                                                                                                                                                                           |
| 4.  | Les charges sont indiquées en kip.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5.  | Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.                                                                                                                                                                                                                                                                                                                      |
| 6.  | Les portées sont calculées à partir de l'axe de rotation.                                                                                                                                                                                                                                                                                                                                                                                                      |
| 7.  | Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.                                                                                                                                                                                                                                                                                                                                   |
| 8.  | Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.                                                                                                                                                                                                                                                                                                                                                     |
| 9.  | Charges données sous réserve de modification.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10. | Forces de levage plus de 298,600 lb/410,000 lb seulement avec moufle additionnel/equipement supplémentaire.                                                                                                                                                                                                                                                                                                                                                    |
| 11. | Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.                                                                                                                                                                                                          |
| 12. | Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.                                                                                                                                                                                                                                                                                                                                           |





# MyLiebherr

**Our MyLiebherr portal is the easy way for you to access Liebherr's digital service world.  
Take advantage of extensive basic and additional services for your mobile and crawler cranes.**

Avec notre portail MyLiebherr, accédez facilement à l'univers numérique du service de Liebherr.  
Bénéficiez dès maintenant d'un service global et de prestations complémentaires pour vos grues mobiles et sur chenilles.



## One portal, all services MyLiebherr



Planning  
**Crane Finder**



Operations  
**Performance**



Planning  
**Crane Planner 2.0**



Operations  
**Documents**



Maintenance  
**Spare Parts Catalogue**



Planning  
**LICCON Work Planner**



Training  
**Digital Crane Operator**



Maintenance  
**Parts Shop**

### Proposition 65



**WARNING:** This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.  
For more information see: [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel)

Subject to modification · Sous réserve de modifications

Liebherr-Werk Ehingen GmbH · Postfach 1361 · 89582 Ehingen, Germany  
Phone +49 73 91 5 02-0 · [www.liebherr.com](http://www.liebherr.com)

MyLiebherr



Printed in Germany (2)  
Iwe-td-240-00-us09-2024