



550 USt



279 ft



335 ft



433 ft

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# The big fast-erecting crane!

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**LTM 1450-8.1**

Mobile crane  
Grue mobile

**LIEBHERR**

Mobile and crawler cranes



# Technical data

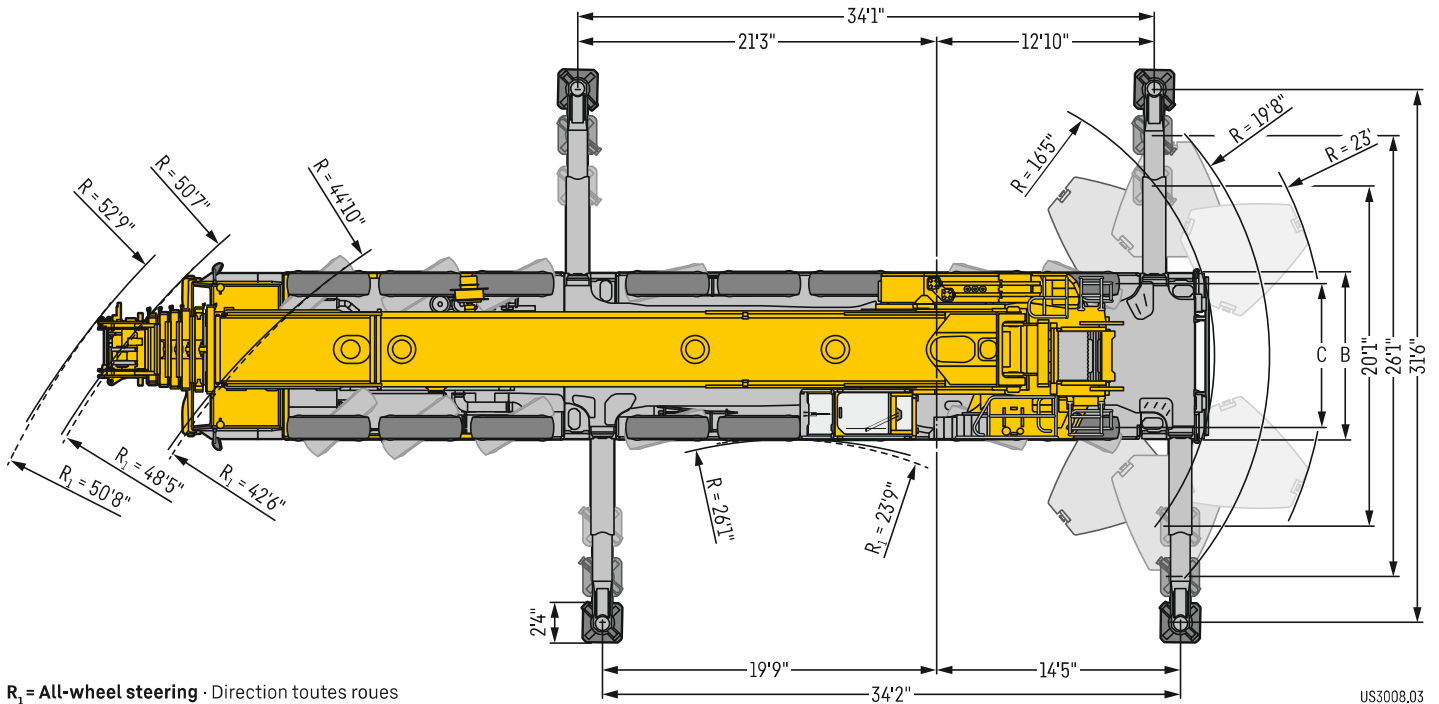
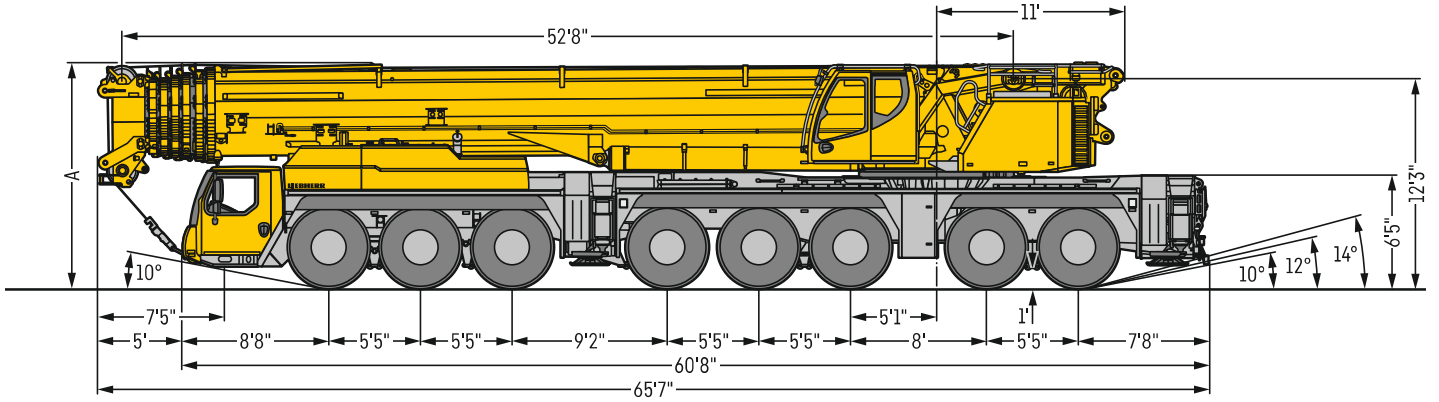
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# Dimensions


## Encombrement



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

US3008.03

### Dimensions · Encombrement

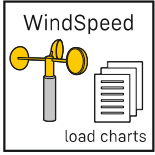
	A	A *	B	C
445/95 R 25 (16.00 R 25)	13'1"	12'10"	9'10"	8'4"
525/80 R 25 (20.5 R 25)	13'1"	12'10"	10'2"	8'5"

\* lowered · abaissé

# LTM 1450-8.1

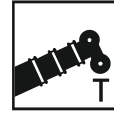
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**Increased flexibility and safety by using lifting capacity tables with different maximum wind speeds.**

Une flexibilité et une sécurité accrues grâce aux tableaux de charge avec différentes vitesses de vent autorisées.



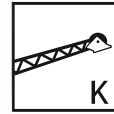
279 ft



46 ft – 276 ft



23 ft – 184 ft



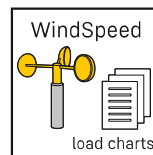
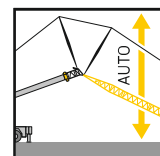
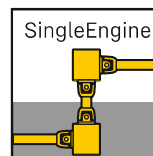
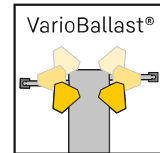
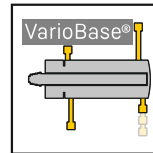
23 ft – 115 ft



VarioBallast  
295,400 lb



505 kW (686 h.p.)

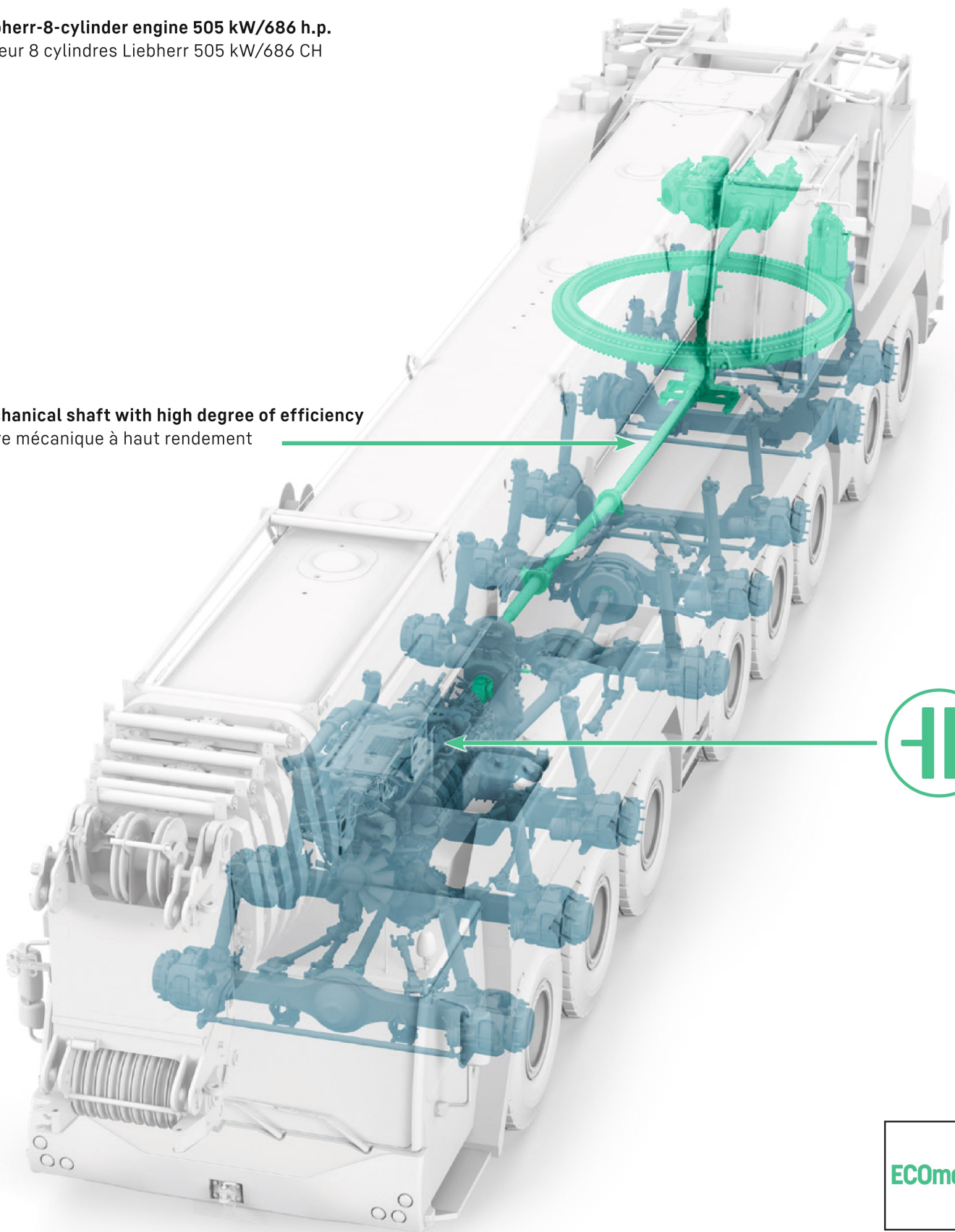


# Liebherr SingleEngine concept

## Concept de moteur unique Liebherr

Liebherr-8-cylinder engine 505 kW/686 h.p.  
Moteur 8 cylindres Liebherr 505 kW/686 CH

Mechanical shaft with high degree of efficiency  
Arbre mécanique à haut rendement







ECOmode








# Crane data

## Dates de la grue

### Hook block - Moufles à crochet

			
527,600 lb	11	22	8,160 lb
444,200 lb	9	18	7,275 lb
378,300 lb	7	15	5,950 lb / 7,720 lb
285,700 lb	5	11	5,070 lb / 6,830 lb
187,100 lb	3	7	3,970 lb / 5,730 lb
82,600 lb	1	3	3,090 lb
28,000 lb	-	1	1,550 lb

### Crane carrier - Châssis porteur





	 min.	 max.	 %		
445/95 R 25 (16.00 R 25)	1.2	53	39,5 %		12 / R2
525/80 R 25 (20.5 R 25)	1.2	53	39,5 %		

Theoretical gradeability - Aptitude théorique en pente

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

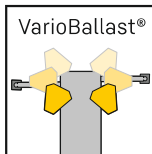
		
	340,615 lb	448,420 lb

### Crane superstructure - Partie tournante

			
 0 - 430 m/min single line - au brin simple	0.98"	1705 ft	28,325 lb
 0 - 502 m/min single line - au brin simple	0.98"	3035 ft	28,325 lb
 0 - 1.3 rpm			
 approx. 80 seconds to reach 83.5° boom angle env. 80 s jusqu'à 83,5°			
 approx. 731 seconds for boom extension from 53 ft - 279 ft env. 731 s pour passer de 53 ft - 279 ft			

# VarioBallast

		16.4 ft
		19.7 ft
		23 ft



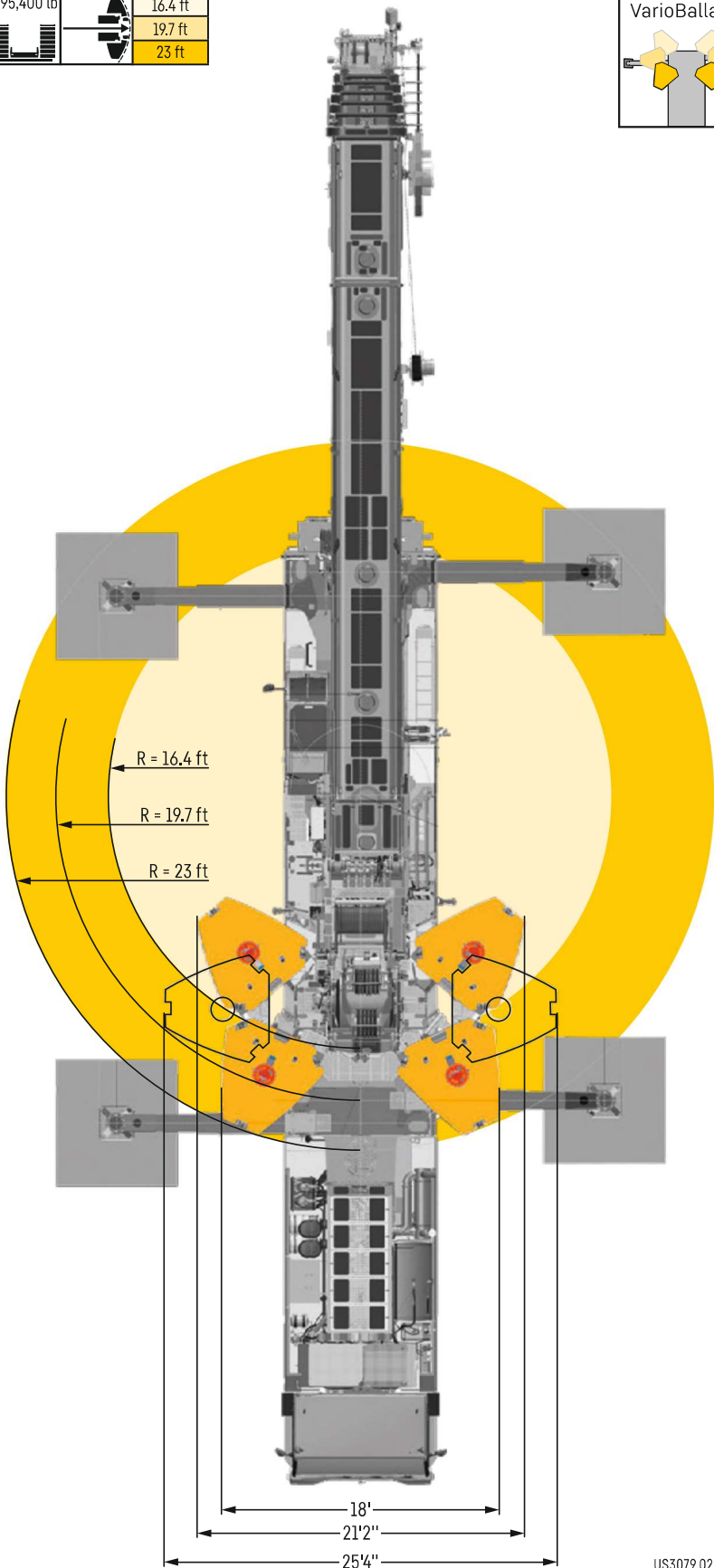
	16.4 ft
-------------------------------------------------------------------------------------	---------



	19.7 ft
-------------------------------------------------------------------------------------	---------

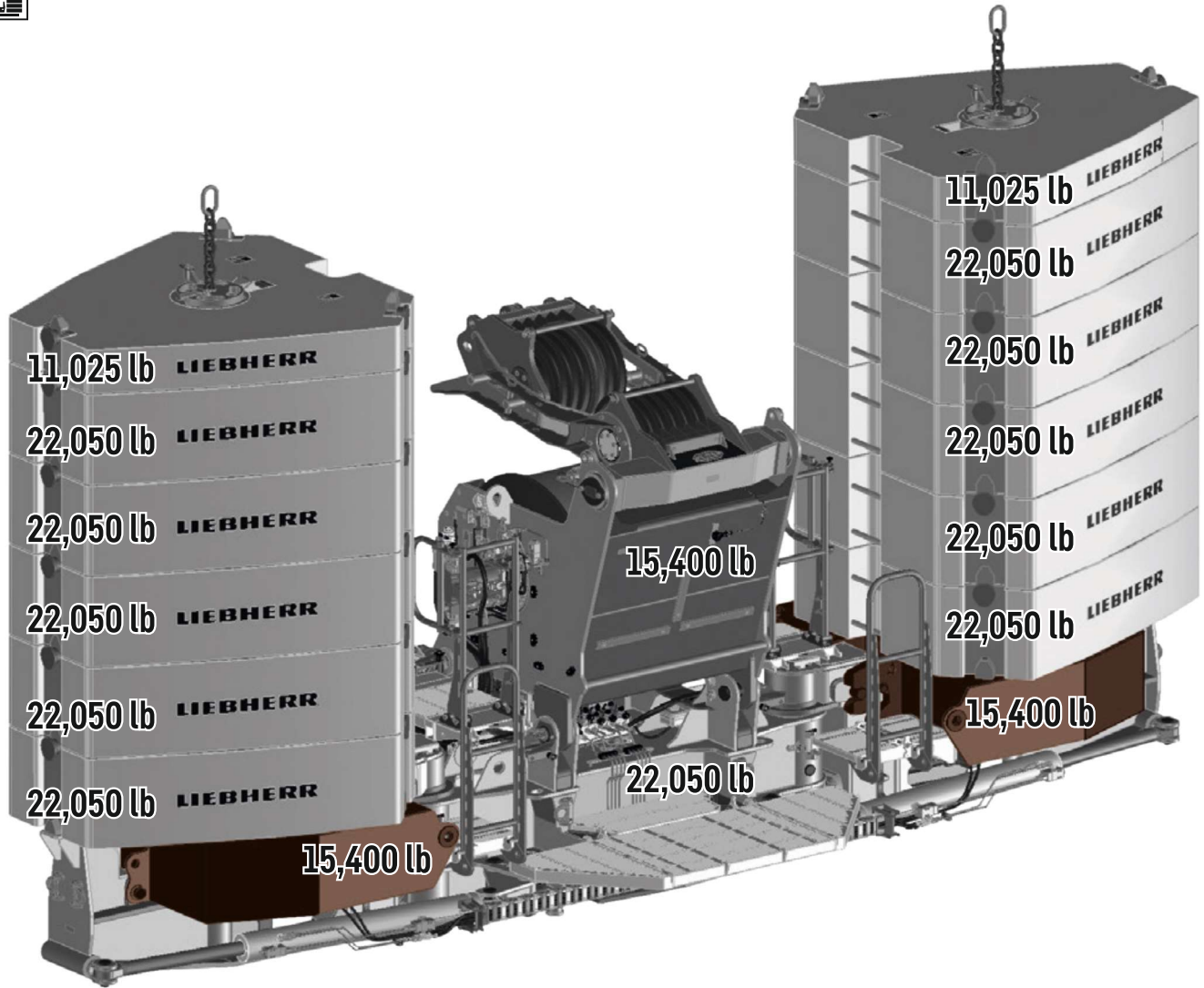


	23 ft
---------------------------------------------------------------------------------------	-------





# Counterweight Contrepoids



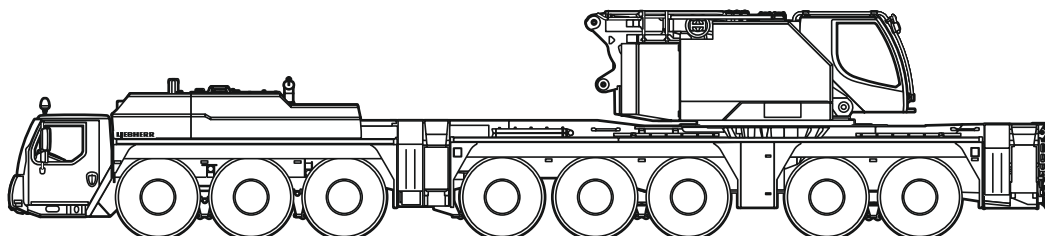
**Improved for transport & logistics – Uniform ballast plates,  
compatible with many other crane models**

Optimisé pour le transport et la logistique : plaques de  
lest de forme identique, compatibles avec de nombreux autres  
types de grue

# On-road driving

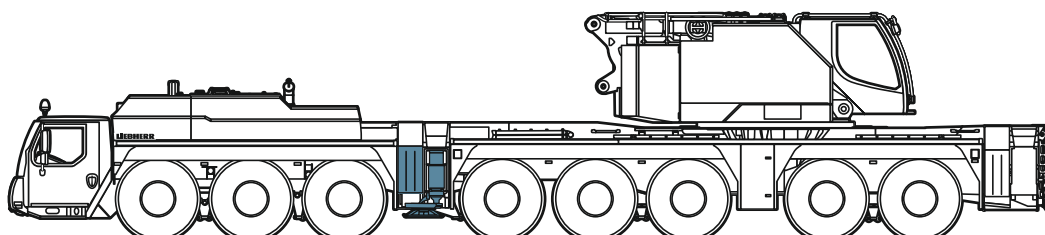
## Déplacement sur route

< 105,800 lb



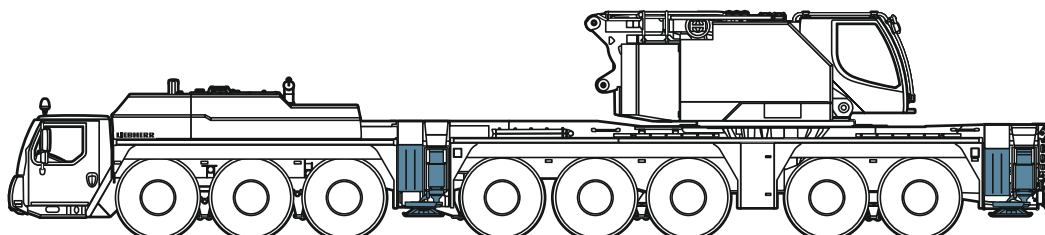
≤ 13,250 lb    ≤ 13,250 lb    ≤ 13,250 lb    ≤ 15,450 lb    ≤ 15,450 lb  
 ≤ 13,250 lb    ≤ 15,450 lb    ≤ 15,450 lb

< 114,650 lb



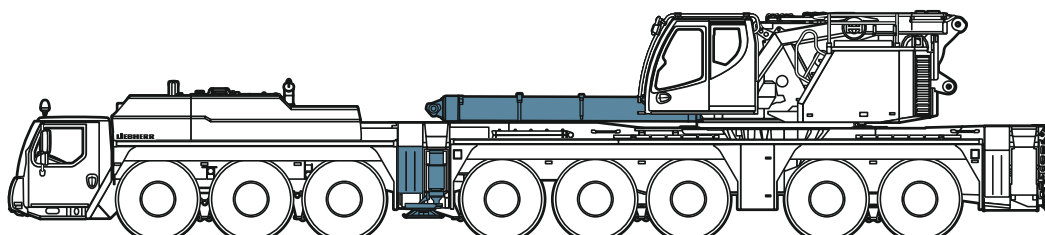
≤ 13,250 lb    ≤ 13,250 lb    ≤ 13,250 lb    ≤ 17,650 lb    ≤ 17,650 lb  
 ≤ 13,250 lb    ≤ 17,650 lb    ≤ 17,650 lb

< 123,500 lb



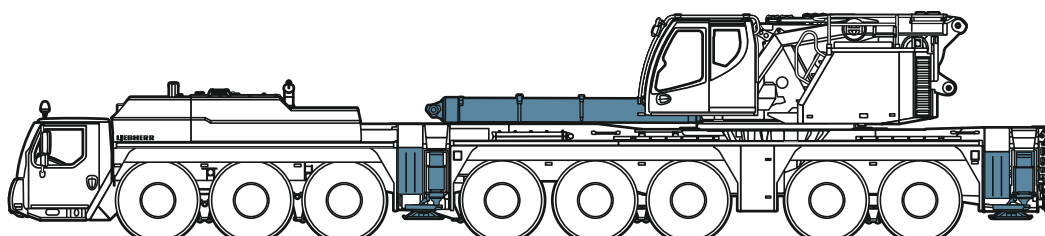
≤ 13,250 lb    ≤ 13,250 lb    ≤ 13,250 lb    ≤ 19,850 lb    ≤ 19,850 lb  
 ≤ 13,250 lb    ≤ 19,850 lb    ≤ 19,850 lb

< 123,500 lb



≤ 13,250 lb    ≤ 13,250 lb    ≤ 13,250 lb    ≤ 19,850 lb    ≤ 19,850 lb  
 ≤ 13,250 lb    ≤ 19,850 lb    ≤ 19,850 lb

< 132,300 lb

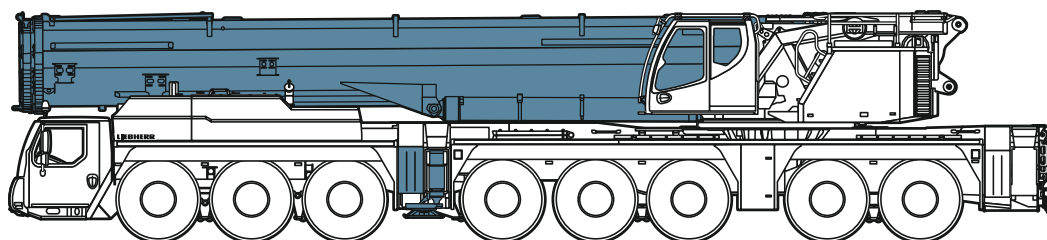


≤ 11,025 lb    ≤ 11,025 lb    ≤ 11,025 lb    ≤ 24,250 lb    ≤ 24,250 lb  
 ≤ 11,025 lb    ≤ 24,250 lb    ≤ 24,250 lb

# On-road driving

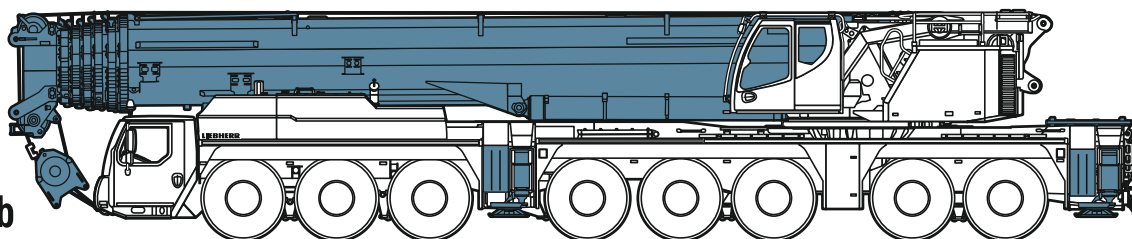
## Déplacement sur route

< 158,700 lb



≤ 19,850 lb    ≤ 19,850 lb    ≤ 19,850 lb    ≤ 22,050 lb    ≤ 22,050 lb  
≤ 19,850 lb    ≤ 22,050 lb    ≤ 22,050 lb

< 211,650 lb

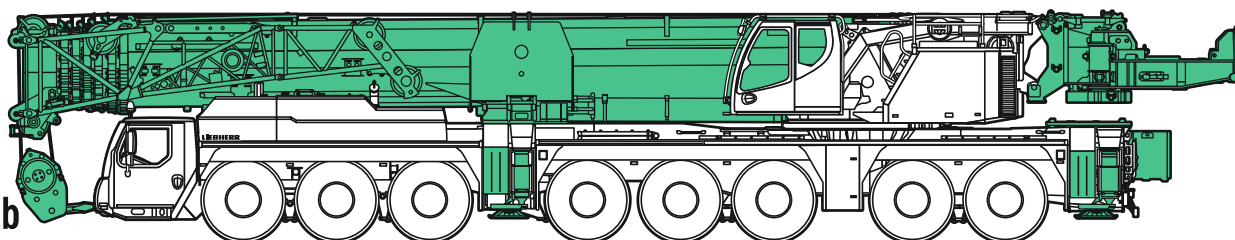


≤ 26,450 lb    ≤ 26,450 lb    ≤ 26,450 lb    ≤ 26,450 lb    ≤ 26,450 lb  
≤ 26,450 lb    ≤ 26,450 lb    ≤ 126,450 lb

# Jobsite driving

## Déplacement sur chantier

< 273,400 lb



≤ 33,075 lb    ≤ 33,075 lb    ≤ 33,075 lb    ≤ 36,400 lb    ≤ 36,400 lb  
≤ 33,075 lb    ≤ 36,400 lb    ≤ 36,400 lb

# High luffing jib lifting capacity

## Des capacités de charge élevées avec la pointe basculante

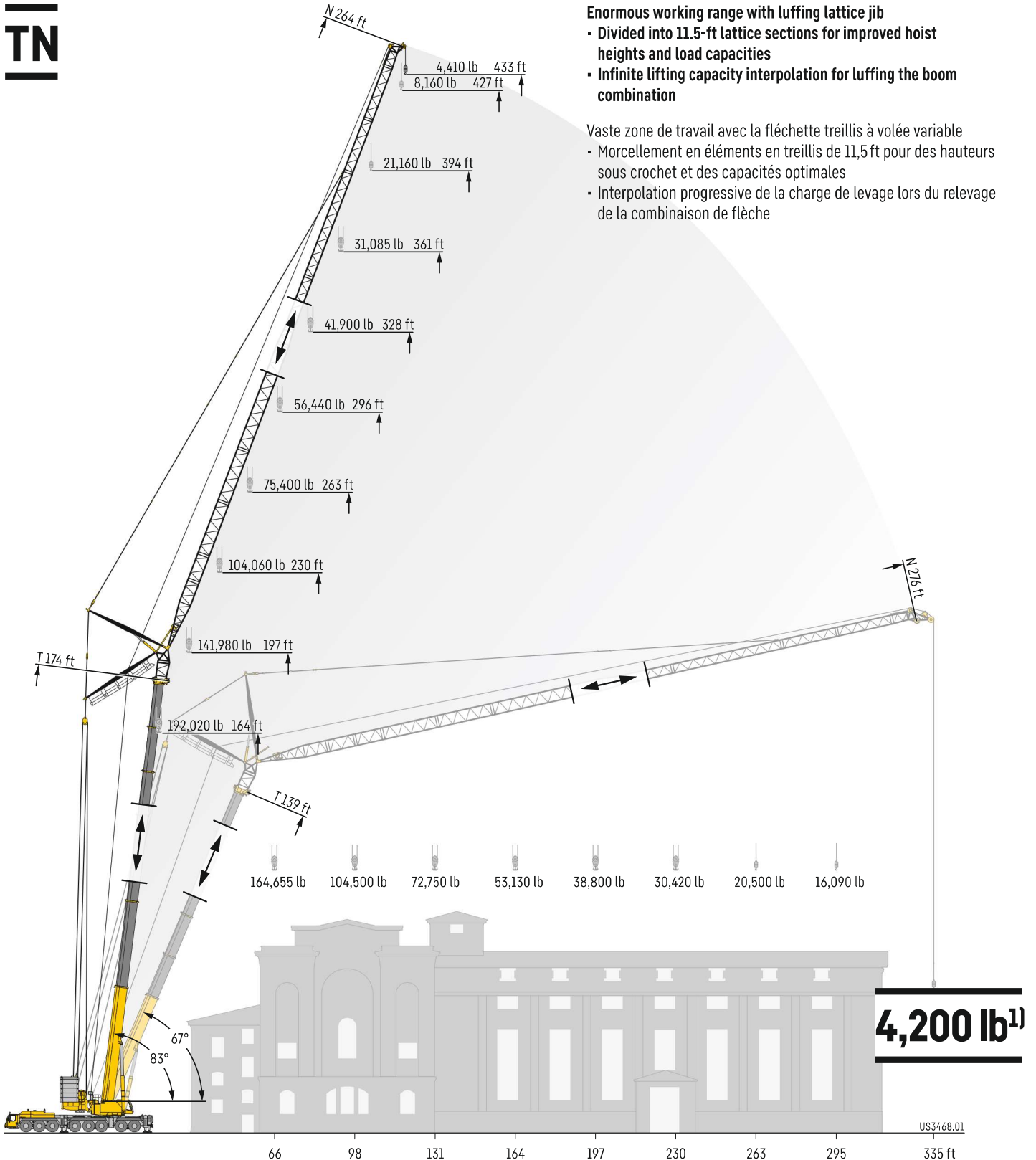
TN

Enormous working range with luffing lattice jib

- Divided into 11,5-ft lattice sections for improved hoist heights and load capacities
- Infinite lifting capacity interpolation for luffing the boom combination

Vaste zone de travail avec la fléchette treillis à volée variable

- Morcellement en éléments en treillis de 11,5 ft pour des hauteurs sous crochet et des capacités optimales
- Interpolation progressive de la charge de levage lors du relevage de la combinaison de flèche



**4,200 lb<sup>1)</sup>**

US3468.01

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

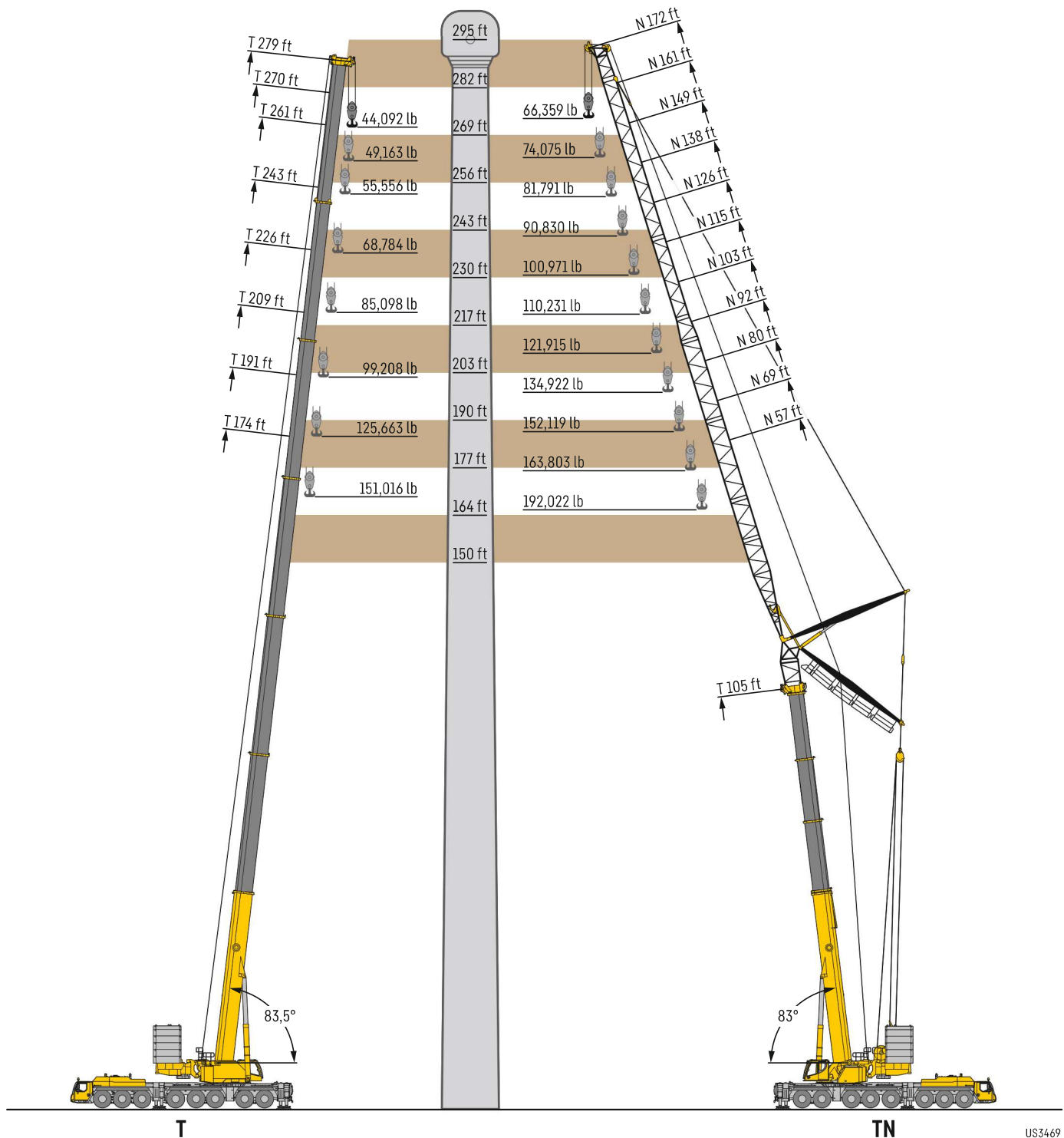
<sup>1)</sup> TNH

# Increase in lifting capacity using the luffing jib

## Augmentation de la capacité de charge via la pointe de flèche de relevage

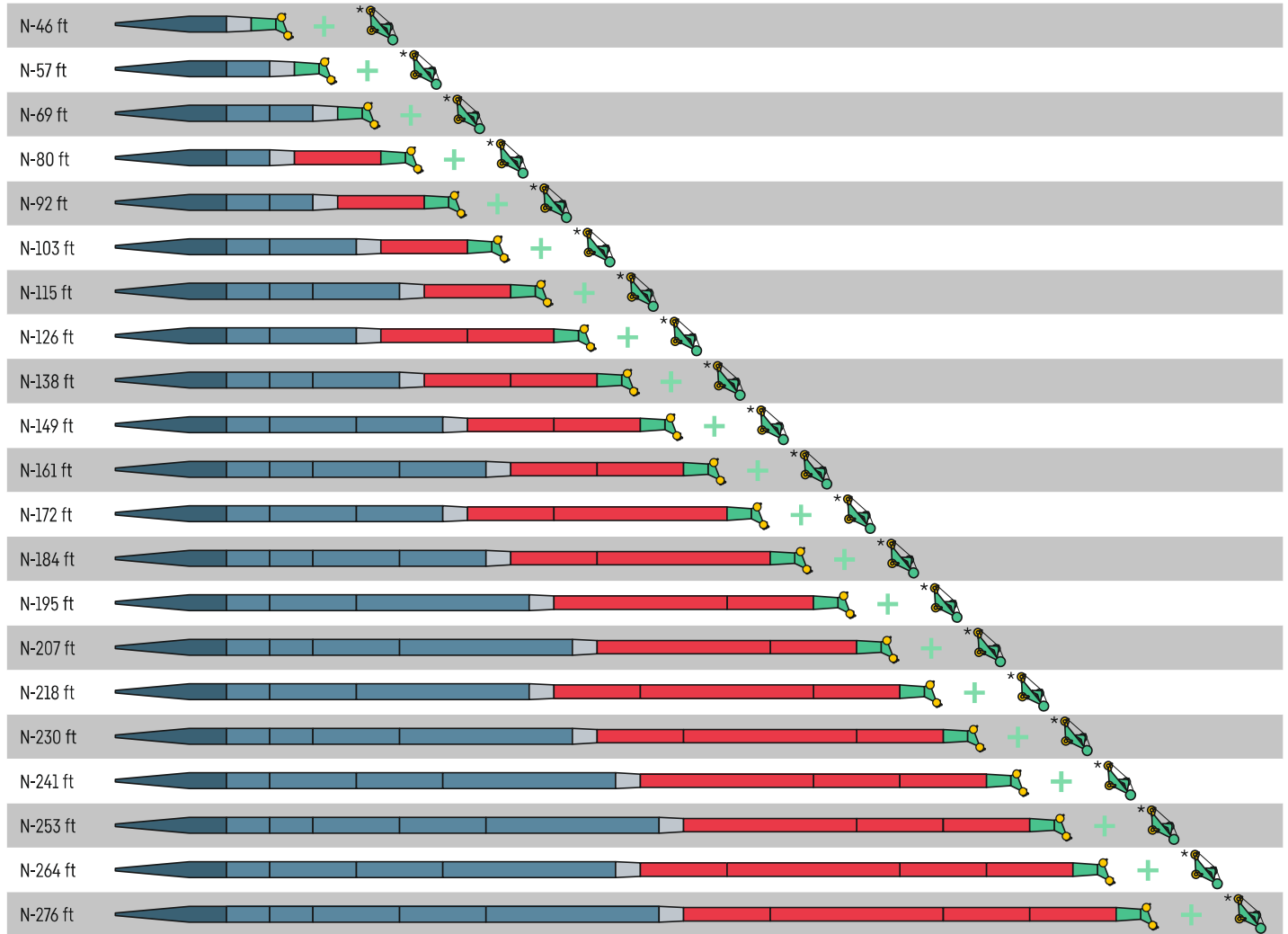
Lifting capacity increases of up to more than 50 % can be achieved with the same hook height using the luffing lattice jib, which can be installed quickly and easily










Grâce à la fléchette treillis basculante rapide à monter, les augmentations de capacité de charge peuvent atteindre jusqu'à plus de 50 % pour une même hauteur sous crochet.



# Boom/jib combinations – Luffing fly jib

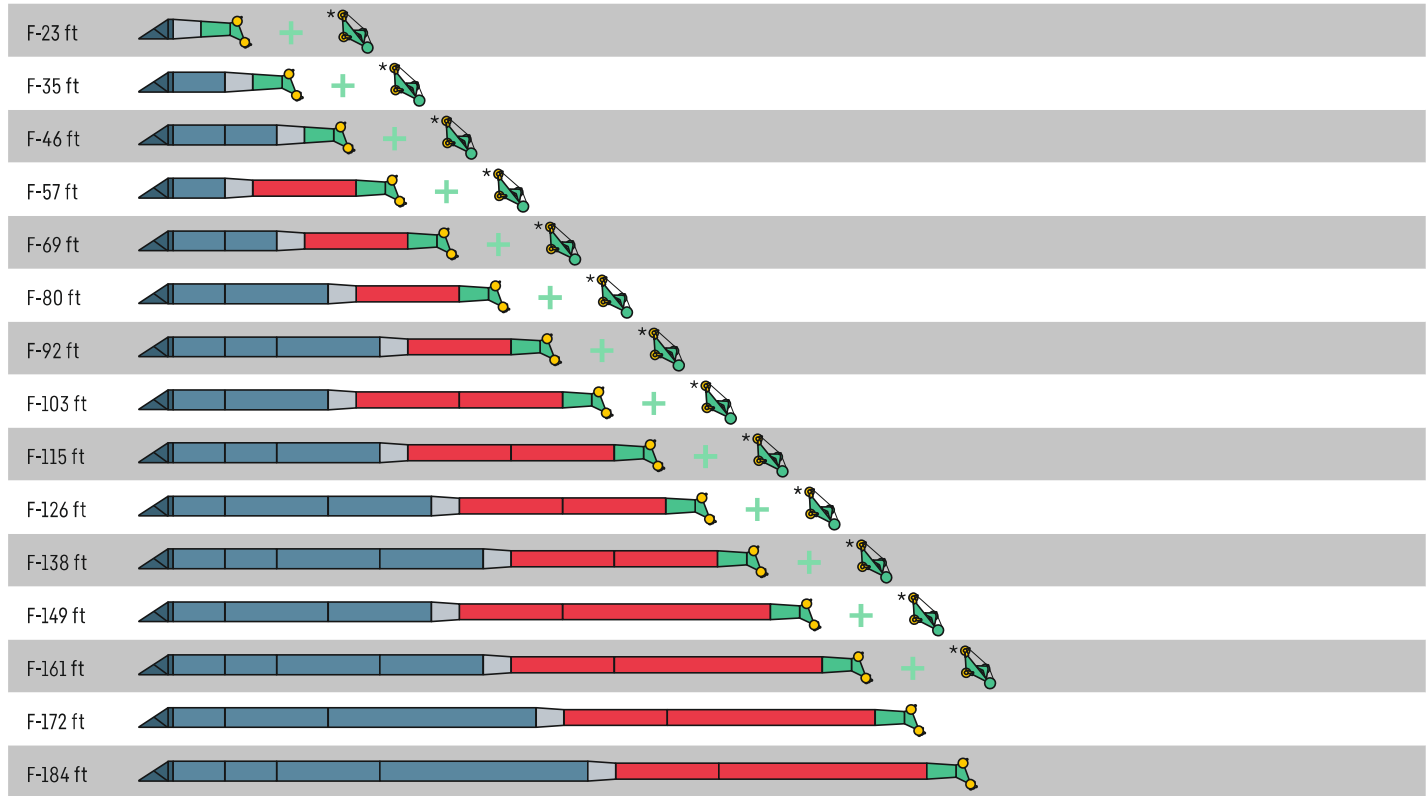
## Configurations de flèche – Fléchette à volée variable



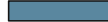








-  **29'6" N-shaped base section** · Élément de base N
-  **NA-11'6"**
-  **NA-23'**
-  **NA-46'**
-  **6'7" NI reduction section** · Élément réducteur NI
-  **NI-23'**
-  **NI-46'**
-  **9'10" N head section** · Élément de tête N
-  **4'11" H auxiliary jib optional** · Fléchette auxiliaire H en option

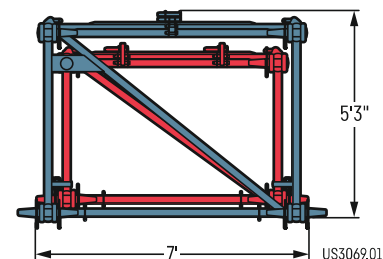
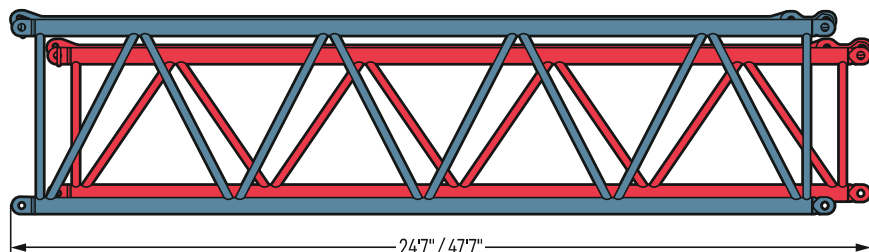
# Boom/jib combinations – Fixed fly jib

## Configurations de flèche – Fléchette fixe



-  **6'7" TF-adapter** · TF-adaptateur
-  **NA-11'6"**
-  **NA-23'**
-  **NA-46'**
-  **6'7" NI reduction section** · Élément réducteur NI
-  **NI-23'**
-  **NI-46'**
-  **9'10" N head section** · Élément de tête N
-  **4'11" H auxiliary jib optional** · Flechette auxiliaire H en option

US3068.01



# Boom/jib combinations

## Configurations de flèche

**T** Telescopic boom - Flèche télescopique

**K** Swing away jib - Fléchette pliante

**F** Fixed lattice jib - Fléchette treillis fixe

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

**H** 5 ft H auxiliary jib optional, dependent on boom system  
Fléchette auxiliaire H en option, selon le système de flèche

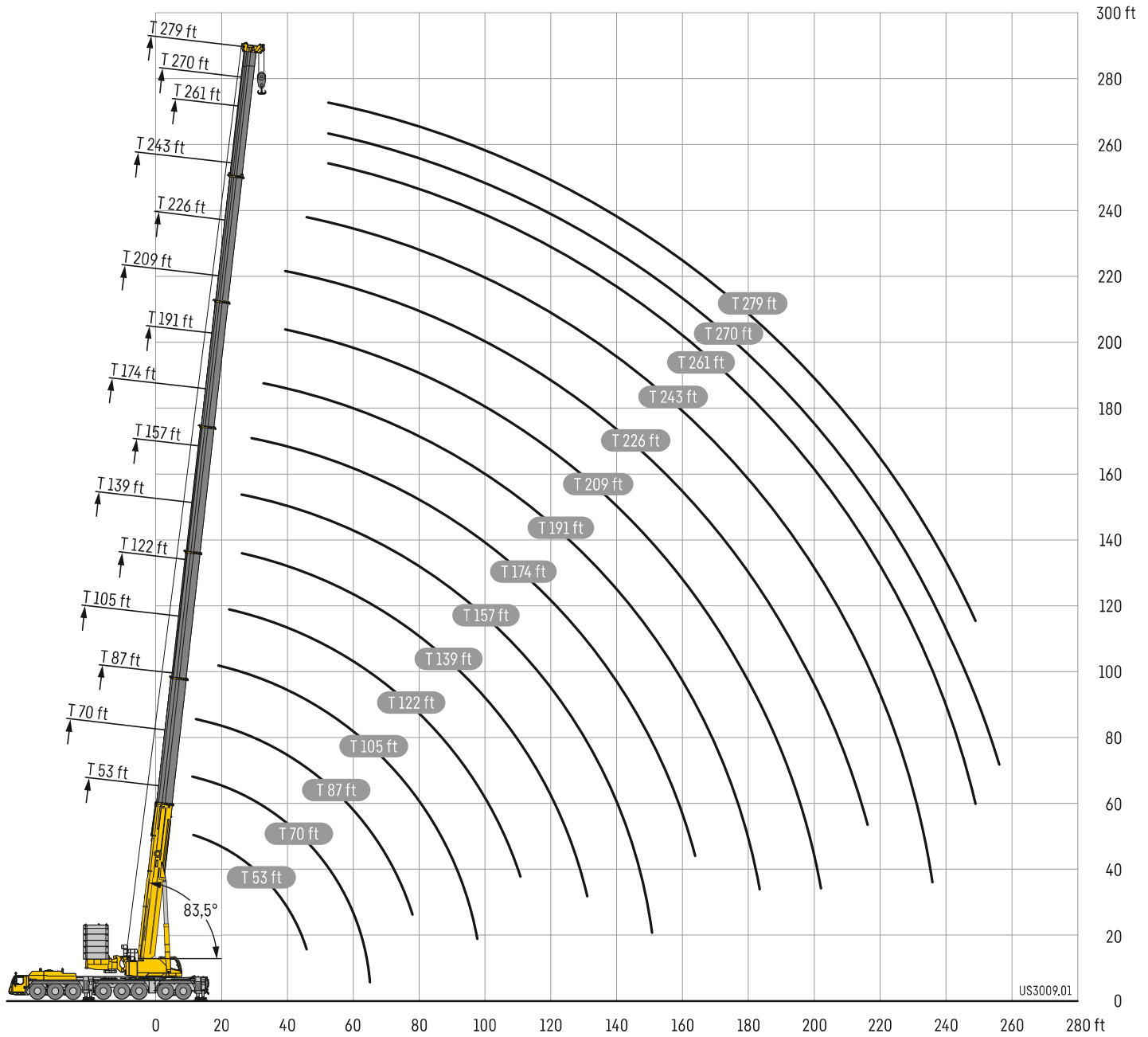




# Lifting heights

## Hauteurs de levage

T





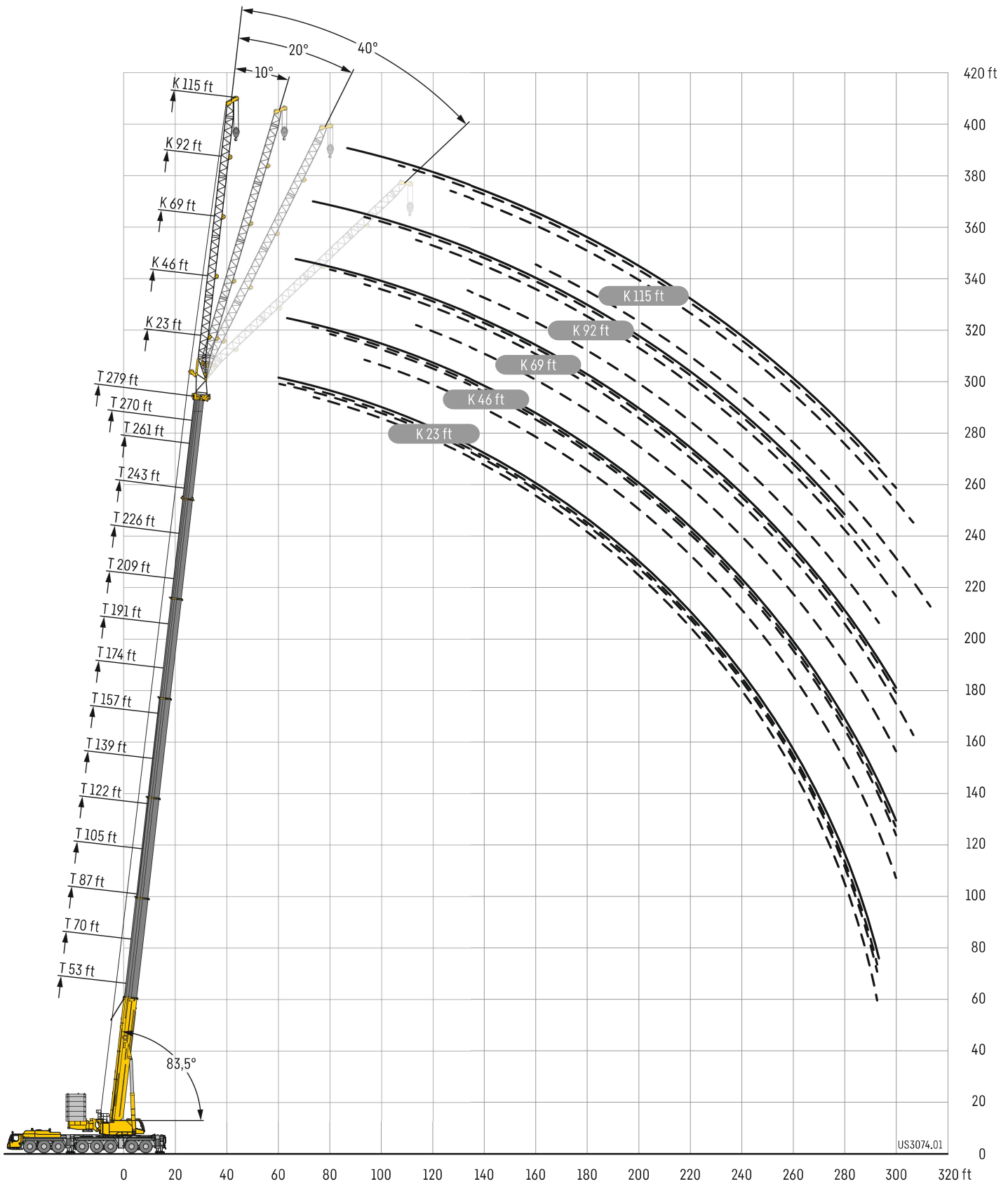




# Lifting heights

## Hauteurs de levage

TK



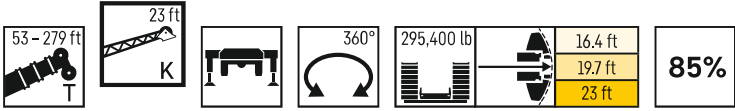




# Lifting capacities

## Forces de levage

# TK 23



	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
55		43				41.4															55
60	42.1	41.9	41.8		39.9	40.2	40.6		37.8	37.6	37.6			35.7				35			60
65	41	40.8	40.7	40.8	38.6	38.9	39.3	40	36.8	36.7	36.6			34.8	34.7	34.7		33.8	34	34.1	65
70	39.9	39.7	39.6	39.8	37.3	37.6	37.9	38.8	35.9	35.7	35.7	35.8		33.9	33.8	33.8	34	32.7	33	33.3	70
75	38.9	38.7	38.6	38.8	35.9	36.3	36.6	37.4	35	34.8	34.7	34.9		32.9	32.9	32.9	33.1	31.7	32	32.3	75
80	37.9	37.7	37.6	37.8	34.6	34.9	35.3	36.1	34	33.9	33.8	34		32	31.9	31.9	32.2	30.6	30.9	31.3	80
85	36.9	36.7	36.6	36.8	33.3	33.6	33.9	34.7	33.1	33	32.9	33.1		31.1	31	31.1	31.3	29.6	29.8	30.2	85
90	35.9	35.7	35.6	35.8	32	32.3	32.6	33.4	32.3	32.1	32.1	32.2		30.1	30.2	30.2	30.4	28.5	28.8	29.1	90
95	34.7	34.7	34.7	34.8	30.7	31	31.4	32.1	31.4	31.3	31.2	31.4		29.2	29.2	29.3	29.6	27.5	27.7	28	95
100	33.3	33.6	33.7	33.9	29.6	29.8	30.1	30.8	30.6	30.4	30.4	30.6		28.3	28.3	28.4	28.8	26.4	26.7	27	100
105	32	32.2	32.5	33	28.4	28.6	28.9	29.5	29.8	29.6	29.7	29.8		27.4	27.4	27.5	27.9	25.4	25.6	25.9	105
110	30.7	31	31.3	31.9	27.3	27.5	27.7	28.4	28.8	28.9	28.9	29		26.5	26.6	26.7	27	24.4	24.7	24.9	110
115	29.4	29.7	30	30.7	26.2	26.4	26.7	27.2	27.8	27.8	28	28.3		25.6	25.7	25.8	26.1	23.5	23.7	23.9	115
120	28.2	28.5	28.8	29.4	25.1	25.3	25.6	26.1	26.7	26.8	27	27.3		24.8	24.9	25	25.3	22.6	22.8	23	120
125	26.9	27.3	27.6	28.2	24	24.3	24.5	25	25.6	25.8	26	26.3		23.9	24	24.2	24.5	21.7	21.9	22.1	125
130	25.7	26	26.3	26.9	22.9	23.2	23.4	23.9	24.6	24.8	25	25.4		23	23.2	23.3	23.6	20.7	21	21.2	130
135	24.5	24.8	25.1	25.7	21.9	22.1	22.4	22.9	23.5	23.8	24	24.4		22.2	22.3	22.5	22.8	19.8	20.1	20.3	135
140	23.4	23.7	23.9	24.4	20.9	21.1	21.4	21.8	22.5	22.8	23	23.4		21.3	21.5	21.7	22	18.9	19.2	19.4	140
145	22.4	22.6	22.8	23.3	20	20.2	20.4	20.8	21.5	21.8	22	22.4		20.5	20.6	20.9	21.2	18	18.3	18.5	145
150	21.4	21.6	21.9	22.2	19.2	19.4	19.6	19.9	20.6	20.9	21	21.4		19.6	19.8	20.1	20.4	17.2	17.4	17.7	150
155	20.4	20.7	20.9	21.2	18.3	18.5	18.7	19	19.7	20	20.1	20.5		18.8	19	19.2	19.6	16.5	16.7	16.9	155
160	19.5	19.7	19.9	20.3	17.5	17.7	17.9	18.2	18.8	19.1	19.3	19.6		18	18.1	18.4	18.7	15.8	15.9	16.1	160
165	18.5	18.7	18.9	19.3	16.6	16.8	17	17.3	17.9	18.2	18.4	18.7		17.1	17.3	17.6	17.9	15	15.2	15.4	165
170	17.5	17.7	18	18.3	15.8	16	16.2	16.5	17	17.3	17.5	17.8		16.3	16.5	16.7	17	14.3	14.5	14.7	170
175	16.5	16.7	17	17.3	14.9	15.1	15.4	15.6	16.1	16.4	16.6	16.9		15.4	15.6	15.9	16.2	13.6	13.8	14	175
180	15.5	15.8	16	16.3	14.1	14.3	14.5	14.8	15.3	15.5	15.7	16		14.6	14.8	15	15.3	12.9	13.1	13.2	180
185	14.8	14.9	15.1	15.4	13.4	13.5	13.7	13.9	14.4	14.6	14.8	15.1		13.8	14	14.2	14.5	12.1	12.4	12.5	185
190	14.1	14.2	14.4	14.6	12.8	12.9	13	13.2	13.6	13.8	14	14.2		12.9	13.1	13.4	13.6	11.4	11.6	11.8	190
195	13.3	13.4	13.6	13.8	12.1	12.3	12.4	12.6	12.9	13.1	13.3	13.4		12.3	12.4	12.6	12.8	10.8	11	11.1	195
200	12.6	12.7	12.9	13	11.5	11.6	11.7	11.9	12.3	12.5	12.6	12.7		11.6	11.7	11.9	12.1	10.2	10.4	10.5	200
205	11.8	11.9	12.1	12.2	10.9	11	11.1	11.3	11.6	11.8	11.9	12		10.9	11.1	11.2	11.4	9.7	9.8	9.9	205
210	11	11.2	11.4	11.5	10.2	10.3	10.5	10.6	10.9	11.1	11.2	11.4		10.3	10.5	10.6	10.8	9.1	9.3	9.3	210
215	10.3	10.5	10.6	10.7	9.6	9.7	9.8	10	10.2	10.4	10.5	10.7		9.7	9.8	9.9	10.1	8.6	8.7	8.8	215
220	9.6	9.8	9.9	10	9	9.1	9.2	9.3	9.5	9.7	9.9	10		9	9.2	9.3	9.4	8	8.2	8.2	220
225	9	9.1	9.2	9.3	8.4	8.5	8.6	8.7	8.9	9	9.2	9.3		8.4	8.6	8.7	8.8	7.5	7.6	7.7	225
230	8.5	8.6	8.7	8.7	7.9	8	8	8.1	8.3	8.4	8.5	8.6		7.7	7.9	8	8.1	7	7.1	7.1	230
235	7.9	8	8.1	8.1	7.3	7.4	7.5	7.6	7.7	7.9	8	8		7.2	7.3	7.4	7.5	6.4	6.5	6.6	235
240	7.3	7.5	7.5	7.6	6.8	6.9	7	7	7.2	7.3	7.4	7.5		6.7	6.8	6.9	7	6	6.1	6.1	240
245	6.8	6.9	6.9	7	6.3	6.3	6.4	6.4	6.7	6.8	6.9	6.9		6.2	6.3	6.4	6.4	5.5	5.6	5.6	245
250	6.2	6.3	6.4	6.4	5.7	5.8	5.9	5.9	6.2	6.3	6.4	6.4		5.6	5.8	5.8	5.9	5.1	5.1	5.2	250
255	5.7	5.8	5.8	5.8	5.2	5.3	5.4	5.3	5.7	5.8	5.8	5.8		5.1	5.3	5.3	5.4	4.6	4.7	4.7	255
260	5.3	5.3	5.4	5.3	4.8	4.8	4.9	4.8	5.2	5.2	5.3	5.3		4.6	4.8	4.8	4.8	4.2	4.2	4.3	260
265	4.8	4.9	4.9	4.9	4.3	4.4	4.4	4.3	4.7	4.8	4.8	4.8		4.2	4.3	4.3	4.3	3.7	3.8	3.8	265
270	4.4	4.4	4.4	4.4	3.9	4	4	3.9	4.3	4.3	4.4	4.3		3.7	3.8	3.8	3.8	3.3	3.3	3.4	270
275	4	4	4.1		3.4	3.5	3.5	3.4	3.9	3.9	3.9	3.8		3.3	3.4	3.4	3.4	2.9	2.9	2.9	275
280						2.7			3.5	3.5	3.5	3.4		2.9	3	3	2.9	2.5	2.5	2.5	280
285									3.2	3.2	3.2			2.5	2.6	2.6	2.5	2.1	2.1	2.1	285
290														2.2	2.2	2.3		1.6	1.7	1.6	290




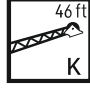







# Lifting capacities

## Forces de levage

# TK 46

**85%**

	261 ft				264 ft				270 ft				276 ft				279 ft				
	46 ft																				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
55	23.9				23.5												21.1				55
60	24				23.6				22.5								21.5				60
65	24.2	24.6			23.8	24.3			22.6	23.3							21.7				65
70	24.3	24.3	23.1		23.9	24	22.8		22.7	23							21.8	22.3			70
75	24.5	24	22.7		24	23.7	22.4		22.9	22.8	21.7						21.9	22	21.1		75
80	24.5	23.7	22.3		24.1	23.4	22.1		23	22.5	21.4						22	21.8	20.9		80
85	24.5	23.4	22	18.3	24.1	23.1	21.8	18.3	23	22.2	21.1	18.1					22.1	21.6	20.6	18.1	85
90	24.4	23	21.7	18.1	24.1	22.8	21.5	18.1	23	21.9	20.8	18					22.1	21.3	20.3	17.9	90
95	24.1	22.7	21.4	18	23.8	22.4	21.2	18	22.8	21.6	20.6	17.8					22	21.1	20.1	17.8	95
100	23.8	22.3	21.1	17.9	23.5	22.1	20.9	17.8	22.6	21.4	20.3	17.7					21.9	20.8	19.9	17.6	100
105	23.5	22	20.8	17.7	23.2	21.8	20.6	17.7	22.3	21.1	20.1	17.6					21.6	20.6	19.6	17.5	105
110	23.2	21.7	20.4	17.6	22.8	21.5	20.4	17.6	22.1	20.8	19.8	17.5					21.4	20.3	19.4	17.4	110
115	22.8	21.4	20.2	17.5	22.4	21.2	20.1	17.5	21.8	20.6	19.6	17.4					21.2	20.1	19.2	17.3	115
120	22.5	21.1	19.9	17.4	21.8	20.9	19.8	17.4	21.4	20.3	19.4	17.3					20.9	19.9	19	17.2	120
125	22.1	20.9	19.7	17.3	21.1	20.4	19.6	17.3	21	20.1	19.2	17.2					20.4	19.7	18.8	17.2	125
130	21.7	20.6	19.5	17.3	20.4	19.9	19.2	17.2	20.6	19.8	19	17.2					19.9	19.3	18.6	17.1	130
135	21.4	20.4	19.3	17.3	19.8	19.4	18.9	17.2	20.2	19.4	18.8	17.1					19.4	18.9	18.3	17.1	135
140	21	20.1	19.1	17.3	19.1	18.9	18.5	17.1	19.8	19.1	18.5	17.1					18.9	18.5	18	17	140
145	20.6	19.9	18.9	17.2	18.4	18.4	18.2	17.1	19.3	18.8	18.3	17.1					18.4	18.1	17.7	16.8	145
150	20.2	19.6	18.7	17.2	17.8	17.9	17.8	17	18.9	18.5	18.1	17.1					17.8	17.7	17.3	16.7	150
155	19.5	19.3	18.5	17.2	17.1	17.4	17.5	17	18.5	18.2	17.9	17.1					17.3	17.3	17	16.5	155
160	18.8	18.8	18.3	17.2	16.4	16.8	17.1	16.9	17.9	17.9	17.7	17.1					16.8	16.8	16.7	16.3	160
165	18	18.1	17.8	17	15.8	16.2	16.6	16.8	17.2	17.4	17.4	17.1					16.2	16.4	16.4	16.1	165
170	17.2	17.4	17.1	16.7	15.1	15.5	15.9	16.5	16.5	16.8	16.9	17.1					15.5	15.8	16	16	170
175	16.4	16.6	16.5	16.1	14.4	14.8	15.2	15.8	15.8	16.1	16.3	16.8					14.9	15.2	15.5	15.8	175
180	15.7	15.9	15.9	15.6	13.7	14.1	14.5	15.1	15.1	15.4	15.7	16.2					14.3	14.6	14.9	15.3	180
185	14.9	15.2	15.2	15.1	13	13.4	13.8	14.4	14.4	14.7	15	15.5					13.6	14	14.3	14.7	185
190	14.1	14.5	14.6	14.6	12.4	12.8	13.1	13.7	13.7	14.1	14.3	14.8					13	13.3	13.7	14.1	190
195	13.4	13.7	13.9	14	11.7	12.1	12.4	13	13	13.4	13.7	14.1					12.3	12.7	13	13.5	195
200	12.7	13	13.3	13.5	11.1	11.4	11.8	12.3	12.3	12.7	13	13.5					11.7	12.1	12.4	12.8	200
205	12.1	12.4	12.7	12.9	10.5	10.8	11.1	11.5	11.7	12	12.3	12.8					11	11.4	11.8	12.2	205
210	11.4	11.7	12	12.4	10.1	10.3	10.5	10.8	11.1	11.4	11.6	12.1					10.4	10.8	11.2	11.6	210
215	10.8	11.1	11.4	11.7	9.6	9.8	10	10.3	10.5	10.8	11	11.4					9.9	10.2	10.6	11	215
220	10.2	10.5	10.8	11.1	9	9.3	9.5	9.8	9.9	10.2	10.5	10.8					9.3	9.7	10	10.4	220
225	9.6	9.9	10.2	10.5	8.5	8.8	9	9.3	9.4	9.7	9.9	10.2					8.8	9.1	9.4	9.8	225
230	9	9.3	9.6	9.8	8	8.3	8.5	8.7	8.8	9.1	9.3	9.6					8.3	8.6	8.9	9.2	230
235	8.4	8.7	9	9.2	7.5	7.8	8	8.2	8.2	8.5	8.8	9					7.7	8	8.3	8.6	235
240	7.8	8.1	8.4	8.5	7	7.3	7.5	7.7	7.7	8	8.2	8.4					7.2	7.5	7.7	8	240
245	7.3	7.5	7.8	7.9	6.6	6.8	7	7.2	7.1	7.4	7.7	7.8					6.6	6.9	7.2	7.4	245
250	6.8	7	7.2	7.3	6.2	6.4	6.6	6.7	6.6	6.8	7.1	7.2					6.1	6.4	6.6	6.8	250
255	6.3	6.5	6.7	6.8	5.7	5.9	6.1	6.2	6.2	6.4	6.6	6.7					5.6	5.9	6.1	6.2	255
260	5.8	6	6.2	6.2	5.3	5.4	5.6	5.6	5.7	5.9	6.1	6.1					5.2	5.4	5.6	5.7	260
265	5.4	5.5	5.7	5.6	4.8	5	5.1	5.1	5.2	5.5	5.6	5.6					4.7	4.9	5.1	5.2	265
270	4.9	5	5.1	5.1	4.4	4.5	4.6	4.6	4.8	5	5.1	5.1					4.3	4.5	4.6	4.7	270
275	4.4	4.5	4.6	4.5	4	4.1	4.2	4.1	4.3	4.5	4.6	4.6					3.9	4.1	4.2	4.2	275
280	4	4.1	4.1	4	3.5	3.6	3.7	3.6	3.9	4.1	4.2	4					3.4	3.6	3.7	3.7	280
285	3.6	3.7	3.7	3.4	3.1	3.2	3.2	3	3.4	3.6	3.7	3.5					3	3.2	3.3	3.2	285
290	3.2	3.3	3.2	2.9	2.7	2.8	2.8	2.5	3.1	3.2	3.2	3					2.6	2.7	2.8	2.7	290
295	2.8	2.8	2.8		2.3	2.4	2.4	2.1	2.7	2.8	2.8	2.5					2.2	2.3	2.4	2.2	295
300					2	2	2		2.3	2.4	2.4	2					1.8	1.9			300
305									2	2	1.9										305













# Lifting capacities

## Forces de levage

# TK 92

	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
70	9.7				9.6				9.2												70
75	9.7				9.6				9.3				9.1				9				75
80	9.6				9.6				9.3				9.1				9				80
85	9.5				9.5				9.2				9				8.9				85
90	9.4	8.7			9.4	8.7			9.1	8.5			8.9	8.4			8.8				90
95	9.3	8.6			9.2	8.5			9	8.4			8.8	8.2			8.7	8.2			95
100	9.2	8.4			9.1	8.4			8.9	8.2			8.7	8.1			8.6	8.1			100
105	9.1	8.3	7.5		9	8.3	7.4		8.8	8.1	7.4		8.6	8			8.5	7.9			105
110	8.9	8.2	7.4		8.9	8.1	7.3		8.7	8	7.3		8.5	7.9	7.2		8.4	7.8	7.1		110
115	8.8	8.1	7.2		8.8	8	7.2		8.6	7.9	7.1		8.4	7.8	7.1		8.3	7.7	7.1		115
120	8.7	7.9	7.1		8.6	7.9	7.1		8.4	7.8	7		8.3	7.7	7		8.2	7.6	6.9		120
125	8.6	7.8	7	5.9	8.5	7.8	7	5.9	8.3	7.7	6.9		8.2	7.6	6.9		8.1	7.5	6.8		125
130	8.4	7.7	6.9	5.8	8.4	7.7	6.9	5.8	8.2	7.6	6.8	5.8	8.1	7.5	6.8	5.8	8	7.4	6.7	5.8	130
135	8.3	7.6	6.8	5.8	8.3	7.5	6.8	5.8	8.1	7.4	6.7	5.7	8	7.4	6.7	5.7	7.9	7.3	6.6	5.7	135
140	8.2	7.5	6.7	5.7	8.2	7.4	6.7	5.7	8	7.3	6.6	5.7	7.9	7.3	6.6	5.7	7.8	7.2	6.6	5.7	140
145	8.1	7.4	6.6	5.7	8.1	7.3	6.6	5.7	7.9	7.2	6.5	5.7	7.8	7.1	6.5	5.6	7.7	7.1	6.5	5.6	145
150	8	7.2	6.5	5.7	7.9	7.2	6.5	5.6	7.8	7.1	6.4	5.6	7.7	7	6.4	5.6	7.6	7	6.4	5.6	150
155	7.9	7.1	6.5	5.6	7.8	7.1	6.4	5.6	7.7	7	6.4	5.6	7.6	7	6.3	5.5	7.5	6.9	6.3	5.5	155
160	7.7	7	6.4	5.6	7.7	7	6.3	5.6	7.6	6.9	6.3	5.5	7.5	6.9	6.2	5.5	7.4	6.8	6.2	5.5	160
165	7.6	6.9	6.3	5.6	7.6	6.9	6.3	5.6	7.5	6.8	6.2	5.5	7.4	6.8	6.2	5.5	7.4	6.8	6.2	5.5	165
170	7.5	6.8	6.3	5.6	7.5	6.8	6.2	5.5	7.4	6.7	6.2	5.5	7.3	6.7	6.1	5.5	7.3	6.7	6.1	5.4	170
175	7.4	6.7	6.2	5.5	7.4	6.7	6.1	5.5	7.3	6.6	6.1	5.5	7.2	6.6	6.1	5.5	7.2	6.6	6	5.4	175
180	7.3	6.6	6.1	5.5	7.3	6.6	6.1	5.5	7.2	6.5	6	5.5	7.1	6.5	6	5.4	7.1	6.5	6	5.4	180
185	7.2	6.5	6	5.5	7.2	6.5	6	5.5	7.1	6.4	6	5.5	7	6.4	6	5.4	7	6.4	5.9	5.4	185
190	7.1	6.4	6	5.5	7.1	6.4	5.9	5.5	7	6.3	5.9	5.4	6.9	6.3	5.9	5.4	6.8	6.3	5.9	5.4	190
195	7	6.4	5.9	5.5	7	6.4	5.9	5.4	6.9	6.3	5.8	5.4	6.8	6.2	5.8	5.4	6.7	6.2	5.8	5.4	195
200	6.9	6.3	5.9	5.4	6.9	6.3	5.8	5.4	6.8	6.2	5.8	5.4	6.7	6.2	5.8	5.4	6.5	6.1	5.8	5.4	200
205	6.8	6.2	5.8	5.4	6.8	6.2	5.8	5.4	6.7	6.2	5.8	5.4	6.7	6.1	5.7	5.4	6.4	6	5.7	5.4	205
210	6.7	6.2	5.8	5.4	6.7	6.2	5.8	5.4	6.6	6.1	5.7	5.4	6.6	6.1	5.7	5.4	6.2	5.9	5.6	5.4	210
215	6.6	6.1	5.7	5.4	6.6	6.1	5.7	5.4	6.5	6	5.7	5.4	6.5	6	5.7	5.4	6	5.8	5.6	5.4	215
220	6.5	6	5.7	5.4	6.5	6	5.7	5.4	6.4	6	5.7	5.4	6.4	6	5.6	5.4	5.9	5.7	5.5	5.3	220
225	6.4	6	5.7	5.4	6.4	6	5.7	5.4	6.3	5.9	5.6	5.4	6.3	5.9	5.6	5.4	5.7	5.5	5.4	5.3	225
230	6.2	5.9	5.6	5.4	6.2	5.9	5.6	5.4	6.2	5.9	5.6	5.4	6.2	5.9	5.6	5.4	5.5	5.4	5.3	5.3	230
235	6.1	5.8	5.6	5.4	6.1	5.8	5.6	5.4	6.1	5.8	5.6	5.4	6.1	5.8	5.6	5.4	5.4	5.3	5.2	5.2	235
240	5.9	5.7	5.5	5.4	5.9	5.8	5.6	5.4	6	5.7	5.5	5.4	6	5.7	5.5	5.4	5.2	5.2	5.1	5.2	240
245	5.7	5.6	5.5	5.4	5.6	5.7	5.5	5.4	5.8	5.7	5.5	5.4	5.9	5.7	5.5	5.4	5	5.1	5.1	5.1	245
250	5.5	5.4	5.4	5.4	5.3	5.4	5.4	5.4	5.5	5.6	5.5	5.4	5.7	5.6	5.5	5.4	4.8	5	5	5.1	250
255	5.3	5.2	5.3	5.4	5	5.2	5.3	5.4	5.2	5.4	5.4	5.4	5.4	5.5	5.4	5.4	4.5	4.8	4.9	5	255
260	5	5.1	5.1	5.4	4.7	4.9	5	5.3	5	5.1	5.2	5.4	5	5.3	5.4	5.4	4.2	4.6	4.8	5	260
265	4.8	4.9	4.9	5.2	4.4	4.6	4.7	5.1	4.7	4.9	5	5.3	4.7	5	5.2	5.4	3.8	4.3	4.7	4.9	265
270	4.6	4.7	4.8	5	4.1	4.3	4.5	4.8	4.4	4.6	4.7	5.1	4.3	4.6	4.9	5.3	3.5	4	4.3	4.7	270
275	4.4	4.6	4.6	4.8	3.8	4.1	4.2	4.5	4.1	4.4	4.5	4.8	3.9	4.3	4.5	5	3.1	3.6	4	4.4	275
280	4.2	4.4	4.5	4.7	3.5	3.8	4	4.2	3.9	4.1	4.2	4.5		3.9	4.2	4.6	2.8	3.2	3.6	3.9	280
285	3.9	4.2	4.3	4.5	3.2	3.5	3.7	3.9	3.6	3.8	4	4.2		3.6	3.8	4.2		2.9	3.2	3.5	285
290	3.5	3.9	4.1	4.2	2.9	3.2	3.4	3.6	3.3	3.6	3.8	3.9			3.5	3.7			2.9	3.1	290
295	3.1	3.5	3.8	3.8	2.6	2.9	3.1	3.2	2.9	3.3	3.5	3.6				3.3			2.5	2.7	295
300	2.8	3.1	3.3	3.3	2.2	2.6	2.8	2.8	2.6	3	3.2	3.3				2.9					300
305	2.4	2.7	2.9	2.8	1.7	2.2	2.4	2.3	2.2	2.6	2.8	2.8				2.5					305
310	2	2.3	2.5	2.2		1.7	1.9	1.7	1.7	2.2	2.4	2.3				1.8					310
315			2	1.5						1.7	2	1.7									315

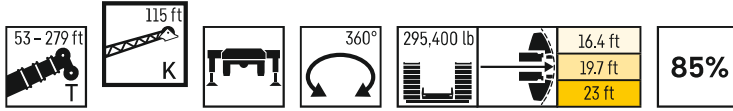




# Lifting capacities

## Forces de levage

# TK 115

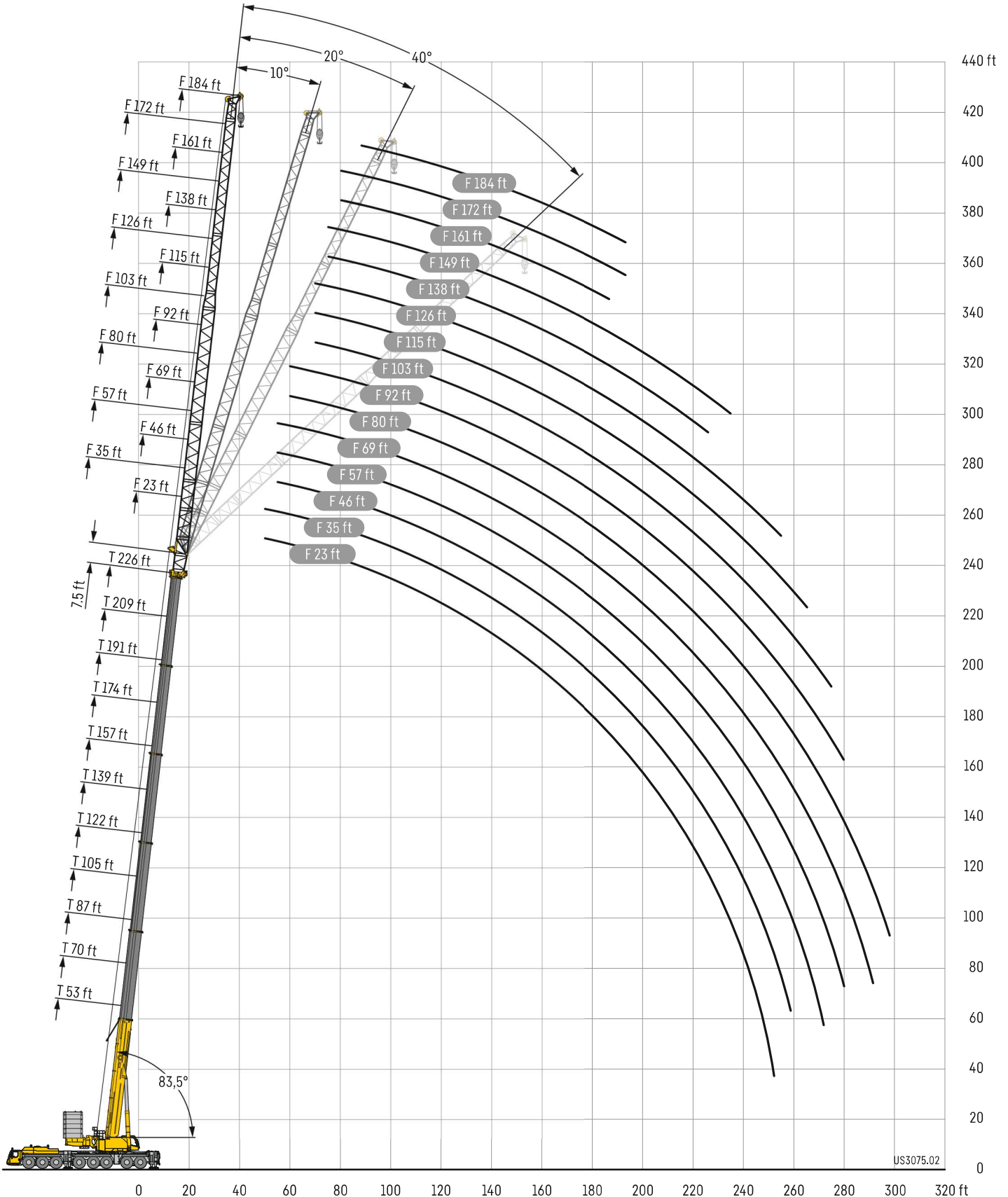


	261 ft				264 ft				270 ft				276 ft				279 ft						
	115 ft																						
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°			
75	5.5				5.5																75		
80	5.7				5.6				5.3					5.1					5			80	
85	5.9				5.8				5.5					5.3					5.2			85	
90	6				5.9				5.6					5.4					5.3			90	
95	6.1				6				5.7					5.5					5.4			95	
100	6.1	5.3			6	5.3			5.7					5.6					5.5			100	
105	6.1	5.3			6	5.3			5.8	5.1				5.6	5				5.5	4.9		105	
110	6.1	5.3			6	5.3			5.8	5.1				5.6	5				5.5	4.9		110	
115	6.1	5.3			6	5.2			5.8	5.1				5.6	5				5.6	4.9		115	
120	6	5.2	4.2		6	5.2	4.2		5.8	5.1				5.6	5				5.6	4.9		120	
125	5.9	5.2	4.2		5.9	5.1	4.2		5.7	5	4.1			5.6	4.9	4			5.5	4.9	4	125	
130	5.8	5.1	4.1		5.8	5.1	4.1		5.6	4.9	4.1			5.5	4.9	4			5.5	4.8	4	130	
135	5.7	5	4.1		5.7	5	4.1		5.6	4.9	4			5.5	4.8	4			5.4	4.8	3.9	135	
140	5.6	4.9	4.1		5.6	4.9	4.1		5.5	4.8	4			5.4	4.8	3.9			5.3	4.7	3.9	140	
145	5.5	4.9	4	2.9	5.5	4.9	4		5.4	4.8	4			5.3	4.7	3.9			5.2	4.7	3.9	145	
150	5.4	4.8	4	3	5.4	4.8	4	2.9	5.3	4.7	3.9	2.9		5.2	4.6	3.9			5.2	4.6	3.8	150	
155	5.3	4.7	4	3	5.3	4.7	3.9	2.9	5.2	4.6	3.9	2.9		5.1	4.5	3.8	2.9		5.1	4.5	3.8	2.8	155
160	5.2	4.6	3.9	2.9	5.2	4.6	3.9	2.9	5.1	4.5	3.8	2.9		5	4.5	3.8	2.9		5	4.4	3.8	2.9	160
165	5.1	4.5	3.9	2.9	5.1	4.5	3.8	2.9	5	4.5	3.8	2.9		5	4.4	3.7	2.9		4.9	4.4	3.7	2.9	165
170	5	4.5	3.8	2.9	5	4.4	3.8	2.9	4.9	4.4	3.8	2.9		4.9	4.3	3.7	2.9		4.9	4.3	3.7	2.9	170
175	4.9	4.4	3.8	2.9	4.9	4.4	3.8	2.9	4.9	4.3	3.7	2.9		4.8	4.3	3.7	2.9		4.8	4.2	3.7	2.9	175
180	4.9	4.3	3.8	2.9	4.8	4.3	3.8	2.9	4.8	4.2	3.7	2.9		4.7	4.2	3.7	2.9		4.7	4.2	3.6	2.9	180
185	4.8	4.2	3.7	2.9	4.7	4.2	3.7	2.9	4.7	4.2	3.7	2.9		4.6	4.1	3.6	2.9		4.6	4.1	3.6	2.9	185
190	4.7	4.1	3.7	2.9	4.7	4.1	3.7	3	4.6	4.1	3.6	2.9		4.6	4.1	3.6	2.9		4.5	4	3.6	2.9	190
195	4.6	4.1	3.6	2.9	4.6	4	3.7	3	4.5	4	3.6	2.9		4.5	4	3.6	2.9		4.4	4	3.6	2.9	195
200	4.5	4	3.6	2.9	4.5	4	3.6	3	4.4	3.9	3.6	2.9		4.4	3.9	3.5	2.9		4.4	3.9	3.5	2.9	200
205	4.5	3.9	3.6	2.9	4.4	3.9	3.6	3	4.4	3.9	3.5	3		4.3	3.9	3.5	3		4.3	3.9	3.5	2.9	205
210	4.4	3.9	3.5	2.9	4.4	3.9	3.5	3	4.3	3.8	3.5	3		4.3	3.8	3.5	3		4.2	3.8	3.5	2.9	210
215	4.3	3.8	3.5	2.9	4.3	3.8	3.5	3.1	4.2	3.8	3.4	3		4.2	3.8	3.4	3		4.1	3.7	3.4	2.9	215
220	4.2	3.8	3.4	2.9	4.2	3.8	3.4	3.1	4.2	3.7	3.4	3		4.1	3.7	3.4	3		4	3.7	3.4	2.9	220
225	4.1	3.7	3.4	2.9	4.1	3.7	3.4	3.1	4.1	3.7	3.4	3		4.1	3.7	3.3	3.1		4	3.6	3.3	2.9	225
230	4.1	3.7	3.4	2.9	4.1	3.7	3.4	3.1	4	3.6	3.4	3.1		4	3.6	3.3	3.1		3.9	3.6	3.3	2.9	230
235	4	3.6	3.4	2.9	4	3.6	3.4	3.1	4	3.6	3.3	3.1		3.9	3.6	3.3	3.1		3.8	3.5	3.3	2.9	235
240	3.9	3.6	3.3	2.9	3.9	3.6	3.3	3.1	3.9	3.5	3.3	3.1		3.9	3.5	3.3	3.1		3.7	3.5	3.3	2.9	240
245	3.8	3.5	3.3	2.9	3.8	3.5	3.3	3.1	3.8	3.5	3.3	3.1		3.8	3.5	3.3	3.1		3.6	3.4	3.2	2.9	245
250	3.8	3.5	3.3	2.9	3.8	3.5	3.3	3.1	3.8	3.4	3.2	3.1		3.8	3.4	3.2	3.1		3.5	3.4	3.2	2.9	250
255	3.7	3.4	3.3	2.9	3.6	3.4	3.2	3.1	3.7	3.4	3.2	3.1		3.7	3.4	3.2	3.1		3.5	3.3	3.2	2.9	255
260	3.5	3.4	3.2	2.9	3.5	3.4	3.2	3.1	3.6	3.4	3.2	3.1		3.6	3.4	3.2	3.1		3.4	3.3	3.2	2.9	260
265	3.4	3.3	3.2	2.9	3.3	3.3	3.2	3.1	3.4	3.3	3.2	3.1		3.5	3.3	3.2	3.1		3.3	3.3	3.2	2.9	265
270	3.3	3.2	3.1	2.9	3.1	3.2	3.1	3.1	3.3	3.2	3.1	3.1		3.3	3.3	3.1	3.1		3.1	3.2	3.1	2.9	270
275	3.2	3.1	3.1	2.9	2.9	3	3.1	3.1	3.1	3.1	3.1	3.1		3.1	3.2	3.1	3.1		2.8	3.1	3.1	2.9	275
280	3.1	3	3	2.9	2.7	2.8	2.9	3.1	2.9	3	3.1	3.1		2.8	3	3.1	3.1		2.5	3	3.1	2.9	280
285	3	3	3	2.9	2.5	2.7	2.8	3	2.7	2.8	2.9	3.1		2.6	2.8	3	3.1		2.1	2.8	3.1	2.9	285
290	2.9	2.9	2.9	2.9	2.3	2.5	2.6	2.9	2.6	2.7	2.8	3		2.3	2.6	2.8	3		1.7	2.4	2.8	2.9	290
295	2.8	2.8	2.8	2.9	2.1	2.3	2.4	2.7	2.3	2.5	2.6	2.9		1.9	2.3	2.6	3		2	2.6	2.9	2.9	295
300	2.7	2.7	2.7	2.9			2.2	2.5	2.1	2.3	2.5	2.7		1.6	2	2.3	2.7		1.6	2.2	2.6	300	300
305	2.4	2.6	2.7	2.9			2	2.3		2.1	2.3	2.5			1.7	2	2.3			1.7	2.2	305	305
310	2	2.5	2.6	2.8						1.9	2.1	2.3				1.6	2				1.6	310	310
315	1.6	2.1	2.4	2.5													1.6					315	315
320		1.7	2	1.9																		320	320

# Lifting heights

## Hauteurs de levage

TF



# Lifting capacities

## Forces de levage

# TF 23

53-279 ft, 23 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

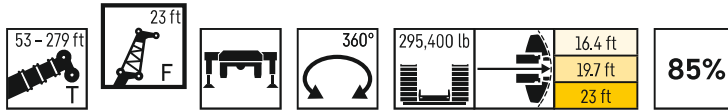
	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
11	109.4																11
12	109.4																12
13	109.4																13
14	109.4																14
15	109.4	109.4															15
16	109.4	109.4															16
17	109.4	109.4															17
18	109.4	109.4															18
19	109.4	109.4	109.4														19
20	109.4	109.4	108.6														20
22	109.4	107.7	105		109.4												22
24	109.1	105.5	101.2		109.4				109.4								24
26	106.5	103.2	96.9	83.5	109.4	109.4			109.4								26
28	103.6	100.5	92.6	80.6	109.4	109.4			109.4								28
30	100.7	96.3	88.5	77.9	109.4	109.4	109.4		109.4	109.4			109.4				30
32	97.8	92.1	85.1	75.2	109.4	109.4	109.4		109.4	109.4			109.4				32
34	94.6	87.9	81.8	72.8	109.4	109.4	109.4		109.4	109.4	109.4		109.4	109.3			34
36	91.1	84	78.5	70.5	109.4	109.4	109.4	93.5	109.4	109.4	109.4		109.4	108.8			36
38	87.5	80.6	75.7	68.3	109.4	109.4	109.3	92.3	109.4	109.4	109.4		109.4	108.1			38
40	83.8	77.9	73.2	66.5	109.4	109.4	108.8	91.1	109.4	109.4	109.4	90.7	109.4	107.5	108.4		40
45	74.9	70.9	67.1	61.9	109.4	109.4	107.5	88.4	109.4	109.4	107.9	88.2	106.5	105.9	104.5	86.9	45
50	68.4	64.7	61.9	58.1	109.4	108.9	105.9	85.8	109.4	109.4	104.8	85.8	101.2	101.5	100.3	85	50
55	62.7	60	57.6	54.7	109.4	106.8	101.5	83.5	108.4	109.2	101.6	83.6	95.8	95.7	94.7	83.1	55
60	57.7	55.4	53.8	51.9	109.4	104.8	97.2	81.2	106.4	106.6	98.2	81.7	90.7	89.9	89.2	81.2	60
65	53.7	52.1	50.7	49.6	108.3	102.7	93	79.4	104.5	103.3	94.7	79.8	86	84.8	84.1	79	65
70	49.9	48.8	48.1	47.9	105.3	99.3	89.9	77.6	102.4	100.1	91.1	78.2	81.4	80.5	79.8	76.9	70
75	46.5	46.1	46	30.4	101.8	95.5	86.8	75.8	99.1	96.4	88.1	76.7	76.9	76.2	75.5	74.7	75
80					98.4	91.6	83.7	74.4	93.7	91.9	85.4	75.2	72.4	71.9	71.5	71.5	80
85					95	87.8	80.8	73	88.3	87.1	82.7	73.8	68.7	68.2	67.9	68	85
90					91.5	83.9	78.4	71.6	82.9	82.3	80.1	72.6	65.6	65	64.8	64.5	90
95					86	81.1	76.2	70.5	77.4	77.4	77.3	71.4	62.5	62	61.7	61.3	95
100					79.9	78.6	74	69.5	72.3	72.8	73.6	70.1	59.4	59.1	58.6	58.5	100
105					74.4	75.2	72	68.3	68.6	68.9	69.6	67.5	56.4	56.1	55.5	55.8	105
110					69.4	70.1	70.5	67.7	64.8	65.1	65.6	64.6	53.3	53.2	53	53.1	110
115					64.9	65.4	66	66.4	61.1	61.4	61.6	61.6	50.8	50.6	50.7	50.6	115
120					60.7	61.2	61.6	62	57.4	57.6	58.2	58.5	48.4	48.3	48.3	48.3	120
125					56.7	57.2	57.5	57.8	53.9	54.2	54.9	55.2	46.1	46.1	45.9	46	125
130					53.1	53.5	53.8	53.9	50.3	50.9	51.3	51.8	43.8	43.8	43.6	43.7	130
135					49.8	50.2	50.3		47	47.5	47.9	48.2	41.4	41.5	41.6	41.7	135
140					46.8	47	47.2		43.9	44.4	44.7	44.9	39.3	39.5	39.6	39.7	140
145					42.5	43.9	43.7		41	41.4	41.6	41.7	37.4	37.6	37.6	37.7	145
150									38.3	38.6	38.8		35.6	35.7	35.6	35.8	150
155									35.8	36	36.2		33.7	33.8	33.8	33.9	155
160									33.5	33.6	33.7		31.9	32	32.2	32.2	160
165									20.3				29.8	30.1	30.3		165
170													27.7	28	28.1		170
175													25.8	26	26.1		175
180													20.8	21			180

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 23



	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
34	102.3																34
36	102.5																36
38	99.8				80.6												38
40	97.1	97.5			82.5												40
45	90.7	91.3	92		77.8	78.6			66.7								45
50	85.6	85	86	82.4	73.1	74.1	74.7		63.4	64			54.2				50
55	81.1	80.4	80.2	80.4	68.6	69.6	70.5	67.3	60	60.8	61.6		51.9	51.7			55
60	76.6	76.1	75.8	77.1	65	65.5	66.2	68.3	56.7	57.4	58.3	54.1	49.6	49.7	49.9		60
65	72.1	71.9	71.7	72.1	61.8	61.7	62.3	64.1	53.7	54.3	55.1	57	47.3	47.7	48.1	48.4	65
70	68.2	67.8	67.8	68	58.6	58.6	58.5	60.2	50.8	51.3	52.1	53.9	45.1	45.7	46.3	46.9	70
75	64.9	64.5	64.4	64.7	55.6	55.6	55.5	56.4	48.4	48.5	49.2	50.8	42.8	43.6	44.2	45.2	75
80	61.6	61.4	61.2	61.4	53	52.9	52.8	53.1	46	46	46.3	47.8	40.6	41.4	42	43.1	80
85	58.4	58.2	58	58.4	50.5	50.5	50.4	50.6	43.9	43.7	43.8	45.1	38.4	39.2	39.8	41	85
90	55.1	55.1	54.9	55.7	48	48.1	48	48.3	42	41.8	41.9	42.5	36.8	37	37.6	38.9	90
95	52.6	52.3	52.4	53	45.6	45.7	45.7	46	40.1	40	40.1	40.4	35.4	35.3	35.6	36.9	95
100	50.2	50	50.1	50.3	43.3	43.4	43.5	44	38.3	38.2	38.3	38.6	34	33.9	33.9	34.8	100
105	47.9	47.8	47.7	47.9	41.2	41.4	41.5	42	36.4	36.4	36.5	37	32.5	32.6	32.5	32.9	105
110	45.6	45.5	45.3	45.8	39.5	39.6	39.7	40	34.7	34.7	34.8	35.4	31.1	31.2	31.2	31.7	110
115	43.3	43.3	43	43.7	37.7	37.8	37.9	38.1	33.1	33.1	33.4	33.8	29.7	29.8	29.9	30.4	115
120	41.1	41	40.9	41.6	36	36.1	36.1	36.4	31.7	31.8	31.9	32.3	28.3	28.5	28.6	29.2	120
125	39	39	39.1	39.6	34.2	34.4	34.2	34.8	30.4	30.4	30.6	30.8	27.2	27.3	27.5	27.9	125
130	37.3	37.3	37.3	37.8	32.5	32.7	32.5	33.1	29	29.1	29.2	29.5	26.1	26.2	26.4	26.6	130
135	35.6	35.6	35.6	36	30.8	31	31.1	31.5	27.7	27.7	27.8	28.3	25.1	25.2	25.3	25.5	135
140	33.9	33.9	33.8	34.1	29.4	29.5	29.7	30	26.3	26.4	26.4	27	24	24.1	24.2	24.4	140
145	32.2	32.2	32.2	32.4	28.1	28.2	28.3	28.6	25	25.1	25.2	25.7	23	23.1	23.1	23.4	145
150	30.5	30.5	30.7	31	26.8	26.9	26.9	27.1	23.7	23.8	24.1	24.5	21.9	22.1	22	22.3	150
155	29	29	29.3	29.5	25.5	25.6	25.6	25.7	22.6	22.8	23	23.4	20.9	21	21	21.3	155
160	27.6	27.7	27.9	28.1	24.2	24.2	24.3	24.5	21.6	21.7	21.8	22.2	19.9	20	20.1	20.3	160
165	26.3	26.3	26.5	26.7	22.9	22.9	23.2	23.3	20.5	20.7	20.7	21.1	18.9	19.1	19.2	19.4	165
170	24.9	25	25.2	25.4	21.7	21.9	22.1	22.1	19.5	19.6	19.6	20	18.1	18.2	18.3	18.5	170
175	23.5	23.7	23.9		20.7	20.9	20.9	21	18.4	18.5	18.7	19	17.2	17.3	17.4	17.6	175
180	22.3	22.4	22.6		19.7	19.9	19.8	19.9	17.4	17.5	17.7	18	16.3	16.5	16.5	16.7	180
185	21.2	21.3	21.4		18.8	18.8	18.8	18.9	16.5	16.6	16.8	17	15.5	15.6	15.6	15.8	185
190	20.1	20.2	20.2		17.8	17.8	17.9		15.7	15.8	15.9	16.1	14.6	14.7	14.8	15	190
195	18.2	18.9	18.9		16.8	16.9	17		14.9	15	15	15.2	13.8	13.9	14.1	14.1	195
200					16	16	16.1		14.1	14.2	14.2	14.4	13.1	13.2	13.3	13.3	200
205					15.1	15.1	15.2		13.3	13.4	13.5		12.4	12.6	12.6	12.5	205
210					14.3	14.3	14.3		12.6	12.7	12.8		11.8	11.9	11.8	11.9	210
215					11	11			11.9	12	12		11.3	11.3	11.1	11.2	215
220									11.4	11.4	11.4		10.6	10.7	10.6		220
225									10.8	10.8	10.8		10.1	10.1	10.1		225
230									9.5	9.9	9.8		9.5	9.6	9.6		230
235													9.2	9.2	9.2		235
240													8.8	8.8	8.8		240
245													8.4	8.4	8.4		245
250													5.8	6.1			250

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 23

53-279 ft  
23 ft  
360°  
295,400 lb  
16.4 ft  
19.7 ft  
23 ft  
85%

	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
50	40.4																				50	
55	43.8				32.7					35.5											55	
60	42.5	42.1	37.3		31.7	31.6				34.7				28.9							60	
65	41.2	40.8	40.5		30.6	30.5	30.4			33.7	33.5			28	27.8			27.3			65	
70	39.8	39.6	39.3	39.2	29.5	29.5	29.5			32.7	32.5	32.4		27.1	27.1	25.8		26.4	26.5	25.2	70	
75	38.3	38.3	38.1	38.1	28.4	28.4	28.4	28.7		31.7	31.5	31.4	31.6	26.3	26.2	25.1		25.4	25.6	24.6	75	
80	36.6	36.8	36.8	36.9	27.4	27.3	27.4	27.7		30.7	30.5	30.5	30.7	25.4	25.4	24.3	24.6	24.5	24.7	23.9	24.2	80
85	34.9	35.2	35.3	35.8	26.5	26.4	26.4	26.7		29.7	29.6	29.5	29.8	24.5	24.5	23.5	23.8	23.5	23.8	23.2	23.5	85
90	33.3	33.7	33.9	34.8	25.5	25.5	25.5	25.8		28.7	28.7	28.7	28.9	23.7	23.7	22.8	23.1	22.5	22.9	22.4	22.7	90
95	31.6	32.1	32.5	33.7	24.5	24.6	24.6	24.8		27.8	27.9	27.8	28	22.9	22.9	22.2	22.4	21.6	21.9	21.6	22	95
100	30	30.6	31.1	32.3	23.6	23.6	23.7	23.9		26.8	27	27	27.1	22.1	22.1	21.5	21.7	20.6	21	20.8	21.4	100
105	28.5	29.1	29.6	30.6	22.6	22.7	22.8	23.1		25.8	26.1	26.2	26.3	21.2	21.3	20.8	21	19.6	20	19.9	20.7	105
110	27.1	27.6	28.1	29	21.7	21.8	21.9	22.2		24.8	25.1	25.2	25.4	20.4	20.5	20.1	20.3	18.6	19	19.1	19.9	110
115	25.9	26.1	26.6	27.4	20.8	20.9	21	21.4		23.6	24.1	24.1	24.6	19.6	19.7	19.4	19.6	17.6	18.1	18.3	19.1	115
120	24.9	25	25.1	25.9	20	20.1	20.2	20.6		22.4	22.9	23	23.7	18.8	18.9	18.8	19	16.8	17.1	17.5	18.2	120
125	24	24.1	24.1	24.5	19.1	19.2	19.3	19.8		21.2	21.7	21.9	22.7	17.9	18.2	18.1	18.3	15.9	16.3	16.6	17.3	125
130	23	23.2	23.2	23.4	18.2	18.3	18.5	18.9		20.1	20.5	20.8	21.7	17.1	17.4	17.4	17.6	15.1	15.4	15.8	16.4	130
135	22.2	22.3	22.3	22.6	17.3	17.5	17.6	18.1		18.9	19.4	19.7	20.6	16.3	16.7	16.7	17	14.2	14.5	14.9	15.5	135
140	21.3	21.5	21.5	21.8	16.5	16.6	16.9	17.3		17.8	18.2	18.6	19.4	15.5	15.9	16	16.3	13.3	13.7	14.1	14.7	140
145	20.5	20.6	20.6	20.9	15.7	15.9	16.1	16.5		16.8	17.2	17.6	18.2	14.7	15.1	15.3	15.6	12.5	12.8	13.3	13.9	145
150	19.7	19.8	19.8	20.1	15	15.1	15.3	15.6		15.8	16.2	16.6	17.1	13.9	14.4	14.6	15	11.7	12	12.5	13	150
155	18.8	18.9	18.9	19.3	14.2	14.4	14.6	14.9		14.9	15.2	15.6	16	13.1	13.6	13.8	14.3	10.9	11.2	11.8	12.2	155
160	18	18.1	18.1	18.5	13.5	13.6	13.8	14.1		14	14.3	14.6	15	12.3	12.8	13	13.6	10.2	10.5	11	11.4	160
165	17.2	17.3	17.3	17.6	12.8	12.9	13	13.3		13	13.4	13.6	14	11.5	11.9	12.3	12.9	9.5	9.8	10.3	10.6	165
170	16.3	16.4	16.5	16.8	12	12.2	12.3	12.6		12.1	12.4	12.6	13.1	10.8	11.1	11.5	12.1	8.8	9.1	9.6	9.9	170
175	15.5	15.7	15.8	16	11.3	11.5	11.5	11.8		11.2	11.5	11.6	12.1	10	10.3	10.7	11.2	8.1	8.4	8.9	9.2	175
180	14.8	14.9	15	15.2	10.6	10.7	10.9	11.1		10.3	10.5	10.8	11.1	9.2	9.5	9.9	10.4	7.4	7.7	8.2	8.5	180
185	14.2	14.2	14.3	14.4	9.9	10.1	10.3	10.5		9.4	9.7	10	10.3	8.4	8.7	9.2	9.6	6.8	7	7.4	7.8	185
190	13.5	13.6	13.5	13.7	9.3	9.5	9.7	9.8		8.6	8.9	9.2	9.5	7.6	7.9	8.5	8.8	6.1	6.3	6.8	7.1	190
195	12.8	12.9	12.8	12.9	8.7	8.9	9	9.2		7.9	8.1	8.4	8.6	6.8	7.1	7.8	8	5.4	5.6	6.2	6.5	195
200	12.1	12.1	12.1	12.2	8.2	8.3	8.4	8.6		7.2	7.4	7.6	7.8	6.1	6.4	7.1	7.3	4.7	5	5.6	5.8	200
205	11.4	11.5	11.6	11.7	7.6	7.8	7.8	7.9		6.5	6.7	6.8	7	5.5	5.7	6.4	6.6	4.2	4.4	5	5.2	205
210	10.8	10.8	11.1	11.1	7.1	7.2	7.2	7.4		5.8	5.9	6	6.2	4.8	5.1	5.7	5.9	3.6	3.8	4.4	4.6	210
215	10.2	10.3	10.5	10.5	6.5	6.6	6.7	6.8		5.1	5.2	5.4	5.5	4.2	4.5	5	5.2	3	3.2		4	215
220	9.8	9.9	10	10	6	6.1	6.2	6.3			4.5	4.7	4.8	3.6	3.8	4.3	4.5	2.3	2.5		3.4	220
225	9.3	9.4	9.5	9.5	5.5	5.5	5.7	5.8			3.8	4.1	4.1	2.9		3.7	3.8	1.6			2.7	225
230	8.9	9	8.9	9	5	5.1	5.2	5.2			3.3	3.4	3.4		5.1		3.1	3.2			1.9	230
235	8.4	8.5	8.5		4.6	4.7	4.7	4.7			2.5		2.7			2.3	2.4					235
240	8	8	8.1		4.1	4.2	4.2	4.3			1.8		1.8			1.6						240
245	7.5	7.6	7.7		3.7	3.8	3.8	3.8														245
250	7.2	7.3	7.3		3.3	3.3	3.4															250
255	6.8	6.9	6.9		2.9	2.9	3															255
260	6.5	6.5	6.5		2.4	2.5	2.6															260
265	4.7	5.2			2	2.1	2.1															265
270					1.7	1.7	1.6															270

\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 35

53-279 ft, 35 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

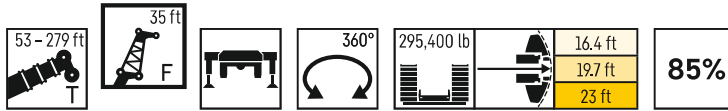
	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
14	109.4																14
15	109.4																15
16	109.4																16
17	109.4																17
18	109.4																18
19	109.4																19
20	109.4	109.4															20
22	109.4	109.4															22
24	109.4	109.3			109.4												24
26	109.4	107.2	90.2		109.4												26
28	108.9	103.9	86.7		109.4				109.4								28
30	107.7	100.7	83.3		109.4	109.1			109.4								30
32	106.5	97.4	80.5		109.4	107.3			109.4				109.1				32
34	105.3	94	77.7		109.4	105.4			109.4	104.8			107.7				34
36	104.1	90.6	75	56.3	109.3	103.5	82.2		109.4	102.6			106.3				36
38	102.3	87.1	72.3	55.1	109.2	101.6	81.2		109.4	100.4			104.8				38
40	99.6	83.7	70.2	53.9	109.1	99.6	80.2		108.8	98.2	80.2		103.4	94			40
45	90.7	75.9	65.1	51.3	108.9	94.5	77.5	55.2	106.1	93	77		99.9	90	75.3		45
50	81.8	70.2	60.6	49.1	107.8	89.3	73.9	53.9	103.4	88.8	74	54.1	94.8	86	72.7		50
55	74	64.4	57	47.1	102.9	84.4	70.4	52.5	100.7	84.7	71.1	52.7	89.6	82.3	70.2	52.6	55
60	68	59.6	53.4	45.6	97.5	80.5	67.5	51.1	97.1	80.7	68.3	51.4	84.4	79.2	68	51.4	60
65	62	55.8	50.6	44.2	92.1	76.7	64.7	49.8	92.9	77.5	65.8	50.3	79.4	76.1	65.7	50.4	65
70	57.2	52	48.1	43.3	87.3	72.9	62.1	48.7	88.7	74.5	63.5	49.2	75.5	73	63.5	49.3	70
75	53.1	49.1	45.9	42.6	83.2	69.6	59.8	47.7	84.6	71.5	61.2	48.1	71.8	69.9	61.4	48.4	75
80	49.1	46.4	44.2	42.5	79.4	66.9	57.8	46.8	80.9	68.5	59	47.3	68	66.7	59.6	47.5	80
85	45.9	44.3	43.1	42.5	75.5	64.1	55.9	45.9	77.8	66	57.3	46.5	64.2	63.5	57.7	46.7	85
90	43	42.9			71.7	61.3	53.9	45.1	74.7	63.8	55.7	45.7	61	60.5	55.9	46	90
95					68.1	58.5	52.2	44.5	71.7	61.5	54	45	58.4	57.7	54.3	45.4	95
100					65.2	56.4	50.8	43.8	68.6	59.2	52.4	44.4	55.8	55.3	52.6	44.7	100
105					62.4	54.5	49.4	43.4	65.5	56.9	50.9	43.9	53.2	52.8	51	44.1	105
110					59.7	52.7	48.1	43	62.5	55	49.7	43.3	50.6	50.3	49.3	43.7	110
115					57	50.8	46.9	42.6	59.5	53.5	48.6	43	48	47.9	47.6	43.3	115
120					54.5	49.2	46	42.5	56.5	52	47.5	42.7	45.7	45.5	45.7	42.8	120
125					52.4	47.9	45.1	42.5	53.5	50.4	46.4	42.4	43.6	43.5	43.7	42	125
130					50.5	46.6	44.2	42.4	50.5	48.9	45.4	42.3	41.7	41.7	41.7	40.7	130
135					48.7	45.4	43.5	42.4	47.7	47.2	44.5	42.3	39.8	39.8	39.7	39.3	135
140					46.9	44.1	43.1	42.4	44.8	45	43.6	42.3	37.8	37.9	37.8	38	140
145					44.8	43.5	42.7		41.9	42.6	42.6	42.1	35.9	36	36.1	36.5	145
150					42.2	42.5	42.5		39.2	39.8	40.4	40.7	34.2	34.3	34.6	35	150
155					39.7	39.9	40.1		36.6	37.2	37.7	38	32.6	32.7	33	33.5	155
160									34.3	34.7	35.2		31	31.1	31.4	31.9	160
165									32.1	32.5	32.8		29.4	29.6	29.9	30.3	165
170									30.1	30.3	30.5		27.8	28	28.4	28.8	170
175									23.8	25.1			26.4	26.7	27		175
180													24.7	25.1	25.4		180
185													23	23.3	23.6		185
190													19.9	21.4	21.4		190

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 35



	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
38	92.3																38
40	90.1																40
45	84.6	84.3			72.4				57								45
50	79.1	79.6	70.2		68.4	69.1			58.5				48.4				50
55	74.8	74.9	68.2		64.5	65.6	64.3		55.7	56.5			47				55
60	71	70.4	66.1	51.1	60.9	61.9	62		52.9	53.8	54.2		45.4	45.4			60
65	67.3	66.8	63.6	50	57.5	58.3	59.1	49.3	50.2	51.1	51.9		43.7	43.9	43.5		65
70	63.5	63.4	61.4	49.1	54.5	55.1	56.1	48.4	47.7	48.5	49.5	47.1	42	42.4	42.3		70
75	60.3	59.9	59.4	48.2	51.8	51.9	53	47.6	45.1	46	47.1	46.4	40.1	40.8	41	40.4	75
80	57.5	57.1	57.2	47.4	49.1	49.2	49.8	46.9	42.6	43.5	44.7	45.5	38.2	39	39.6	39.4	80
85	54.7	54.4	54.6	46.7	47	46.8	46.7	46	40.6	41	42.3	43.6	36.3	37.1	37.8	38.2	85
90	51.9	51.8	52.1	46	44.9	44.8	44.7	44.4	38.8	38.8	39.9	41.6	34.3	35.2	36	36.9	90
95	49.1	49.2	49.5	45	42.8	42.8	42.8	42.7	37.1	37.2	37.6	39.6	32.5	33.4	34.2	35.5	95
100	46.8	46.5	47.1	44.1	40.7	40.8	40.8	41.1	35.6	35.7	35.8	37.4	31.2	31.6	32.4	34	100
105	44.8	44.6	45.1	43.3	38.7	38.9	38.9	39.5	34	34.1	34.3	35.3	30	29.9	30.7	32.4	105
110	42.8	42.7	43.1	42.4	36.8	37	37.2	37.8	32.4	32.6	32.8	33.2	28.8	28.6	29.1	30.6	110
115	40.9	40.8	41.2	41.2	35.3	35.4	35.6	36.2	30.8	31.1	31.3	31.9	27.6	27.5	27.5	28.8	115
120	38.9	38.9	39.2	39.7	33.8	33.9	34.1	34.6	29.4	29.7	29.9	30.6	26.3	26.4	26.5	27.2	120
125	37	37	37.3	37.9	32.3	32.4	32.5	33	28.2	28.5	28.7	29.3	25.1	25.3	25.5	25.9	125
130	35.1	35.2	35.5	36.1	30.8	31	31	31.6	27	27.3	27.6	28	24.1	24.3	24.5	24.9	130
135	33.4	33.5	34	34.4	29.3	29.5	29.5	30.2	25.8	26.2	26.4	26.7	23.1	23.3	23.6	23.9	135
140	32	32.1	32.4	32.8	27.8	28	28	28.8	24.7	25	25.2	25.6	22.2	22.4	22.6	23	140
145	30.5	30.6	30.9	31.3	26.4	26.7	26.8	27.4	23.5	23.9	24	24.4	21.3	21.5	21.7	22	145
150	29.1	29.2	29.3	29.8	25.2	25.4	25.6	26.1	22.3	22.8	22.9	23.3	20.4	20.6	20.7	21.1	150
155	27.6	27.7	27.9	28.3	24.1	24.3	24.4	24.9	21.2	21.7	21.9	22.2	19.5	19.6	19.8	20.2	155
160	26.2	26.3	26.7	27	22.9	23.1	23.2	23.7	20.1	20.6	20.9	21.2	18.6	18.7	18.8	19.3	160
165	24.9	25	25.5	25.8	21.8	21.9	22	22.4	19.2	19.7	19.9	20.2	17.6	17.8	17.9	18.3	165
170	23.8	23.9	24.2	24.5	20.7	20.8	20.9	21.3	18.3	18.7	18.9	19.2	16.8	16.9	17.1	17.4	170
175	22.6	22.8	23	23.4	19.6	19.6	19.9	20.2	17.3	17.8	17.8	18.1	16	16.1	16.3	16.6	175
180	21.5	21.6	21.9	22.3	18.6	18.7	18.9	19.2	16.4	16.8	16.8	17.1	15.2	15.4	15.5	15.8	180
185	20.3	20.5	20.8	21.2	17.7	17.8	17.9	18.2	15.5	15.9	16	16.2	14.5	14.6	14.7	15	185
190	19.3	19.4	19.7		16.8	16.9	17	17.3	14.5	15	15.2	15.4	13.7	13.8	13.9	14.1	190
195	18.3	18.5	18.6		16	16	16	16.4	13.8	14.2	14.4	14.5	12.9	13.1	13.1	13.3	195
200	17.4	17.5	17.6		15.1	15.1	15.2	15.5	13.1	13.5	13.6	13.7	12.2	12.3	12.5	12.6	200
205	16.5	16.5	16.7		14.2	14.3	14.4		12.5	12.8	12.8	12.9	11.4	11.6	11.9	12	205
210	11.8	12.1			13.5	13.6	13.7		11.8	12.1	12	12.2	10.8	11	11.3	11.3	210
215					12.8	12.8	12.9		11.1	11.3	11.4	11.4	10.4	10.5	10.7	10.7	215
220					12.1	12.1	12.2		10.5	10.7	10.9		9.9	10	10.1	10.1	220
225					9.2	10.2	9.7		10	10.2	10.3		9.4	9.5	9.5	9.6	225
230									9.5	9.7	9.7		8.9	9	9	9.1	230
235									9.1	9.3	9.3		8.4	8.5	8.6		235
240									8.7	8.8	8.8		8	8.1	8.2		240
245									6.7				7.6	7.7	7.7		245
250													7.2	7.3	7.3		250
255													6.9	6.9	6.9		255
260													4.5	4.5			260

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 35

53-279 ft  
35 ft  
360°  
295,400 lb  
16.4 ft  
19.7 ft  
23 ft  
85%

	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
55	39.1																				55	
60	38.1				28.4					30.9											60	
65	36.9	36.4			27.5	26.1				30				24				23.4			65	
70	35.8	35.3	34.9		26.5	25.3				29.2	28.9			23.3	23.1			22.8	22.6		70	
75	34.6	34.2	34		25.5	24.5	24.4			28.3	28.1	28		22.6	22.5			22.1	22.1		75	
80	33.3	33.1	33	32.9	24.6	23.7	23.7			27.4	27.2	27.2		21.9	21.8	21.9		21.5	21.4	21.5	80	
85	32	32	31.9	32	23.8	23	23	23		26.6	26.4	26.4	25.6	21.2	21.2	21.3		20.8	20.8	20.9	85	
90	30.7	30.8	30.9	31	22.9	22.2	22.3	22.3		25.8	25.6	25.6	24.9	20.5	20.5	20.6	20.9	20.1	20.1	20.3	20.6	90
95	29.4	29.6	29.9	30.1	22.1	21.5	21.6	21.7		25.1	24.9	24.8	24.2	19.9	19.9	20	20.3	19.3	19.5	19.6	20	95
100	28	28.5	28.9	29.2	21.3	20.7	20.8	21		24.3	24.1	24.1	23.6	19.3	19.3	19.4	19.7	18.5	18.7	19	19.4	100
105	26.7	27.3	27.8	28.3	20.5	20	20.1	20.4		23.5	23.4	23.4	22.9	18.6	18.7	18.8	19.2	17.7	18	18.3	18.8	105
110	25.4	26.1	26.8	27.3	19.7	19.2	19.4	19.7		22.8	22.7	22.6	22.2	18	18.1	18.2	18.5	16.9	17.3	17.6	18.3	110
115	24.1	24.8	25.5	26.2	18.9	18.5	18.7	19.1		21.9	21.9	21.9	21.6	17.4	17.5	17.6	17.9	16.1	16.5	16.9	17.7	115
120	22.8	23.5	24.2	25.1	18.1	17.8	18	18.4		20.9	21.1	21.1	21	16.7	16.9	17	17.3	15.4	15.8	16.3	17.1	120
125	21.8	22.2	22.9	23.9	17.3	17.2	17.3	17.7		19.9	20.1	20.2	20.4	16.1	16.3	16.4	16.8	14.6	15	15.5	16.4	125
130	21	20.9	21.6	22.7	16.6	16.5	16.7	17.1		18.8	19.1	19.4	19.8	15.5	15.7	15.8	16.2	13.9	14.3	14.8	15.6	130
135	20.3	20.2	20.2	21.5	15.8	15.8	16	16.4		17.8	18.2	18.5	19.1	14.8	15.1	15.2	15.6	13.1	13.6	14	14.8	135
140	19.5	19.4	19.5	20.3	15	15.2	15.4	15.8		16.7	17.2	17.6	18.4	14.2	14.5	14.6	15.1	12.4	12.8	13.3	14	140
145	18.8	18.7	18.8	19	14.3	14.5	14.7	15.1		15.7	16.2	16.7	17.5	13.6	13.9	14.1	14.5	11.7	12.1	12.5	13.3	145
150	18	18	18.1	18.2	13.5	13.9	14.1	14.5		14.7	15.3	15.8	16.7	13	13.3	13.5	13.9	10.9	11.3	11.7	12.5	150
155	17.3	17.3	17.4	17.5	12.9	13.2	13.5	13.8		13.8	14.4	14.9	15.8	12.3	12.7	12.8	13.3	10.2	10.6	11	11.8	155
160	16.6	16.6	16.7	16.9	12.2	12.6	12.8	13.2		13	13.5	14	14.9	11.7	12	12.2	12.7	9.5	9.9	10.3	11	160
165	15.8	15.9	16	16.2	11.6	12	12.2	12.6		12.2	12.7	13.1	14.1	11	11.4	11.5	12.1	8.8	9.2	9.6	10.3	165
170	15.1	15.2	15.3	15.5	10.9	11.3	11.5	11.9		11.3	11.8	12.2	13.2	10.3	10.7	10.8	11.6	8.2	8.6	9	9.5	170
175	14.3	14.5	14.7	14.9	10.3	10.7	10.9	11.3		10.5	11	11.3	12.3	9.6	10	10.1	10.9	7.6	8	8.3	8.8	175
180	13.6	13.7	14	14.2	9.6	10.1	10.3	10.7		9.7	10.1	10.4	11.4	8.8	9.2	9.4	10.2	7	7.4	7.7	8.1	180
185	12.9	13.1	13.4	13.6	8.9	9.5	9.7	10.1		8.8	9.3	9.5	10.6	8.1	8.5	8.8	9.5	6.4	6.7	7	7.5	185
190	12.3	12.5	12.7	12.9	8.3	8.9	9.1	9.4		8	8.4	8.8	9.7	7.4	7.8	8.1	8.7	5.8	6.1	6.3	6.8	190
195	11.8	12	12.1	12.2	7.7	8.3	8.5	8.8		7.2	7.7	8.1	8.9	6.7	7.1	7.4	8	5.1		5.7	6.2	195
200	11.2	11.4	11.4	11.6	7.2	7.8	8	8.3		6.5	6.9	7.3	8.1	6	6.4	6.7	7.2			5.1	5.5	200
205	10.7	10.8	10.8	10.9	6.7	7.2	7.4	7.7		5.9	6.3	6.6	7.4	5.3	5.7	6.1	6.5			4.5	4.9	205
210	10.1	10.3	10.2	10.3	6.2	6.7	6.9	7.1		5.2	5.6	5.9	6.6	4.7	5	5.4	5.8			4	4.3	210
215	9.6	9.7	9.7	9.8	5.7	6.2	6.3	6.5		4.6	4.9	5.2	5.9	4.1	4.5	4.8	5.1			3.4	3.7	215
220	9	9.1	9.2	9.4	5.2	5.7	5.8	6		3.9	4.3	4.5	5.1	3.5	3.9		4.4			2.7	3.1	220
225	8.5	8.7	8.7	8.9	4.7	5.2	5.3	5.5				3.8	4.5	2.8	3.2						2.3	225
230	8.1	8.2	8.3	8.4	4.2	4.7	4.8	5				3.2	3.8	2.1	2.5							230
235	7.6	7.7	7.8	7.9	3.7	4.2	4.4	4.5				2.4	3.1		1.7							235
240	7.2	7.3	7.3	7.4	3.3	3.8	3.9	4				1.7										240
245	6.7	6.8	6.9	6.9	2.9	3.4	3.5	3.5														245
250	6.3	6.3	6.5		2.4	3	3	3.1														250
255	5.8	5.9	6		1.9	2.5	2.5	2.6														255
260	5.5	5.6	5.6			1.9	2															260
265	5.2	5.2	5.2																			265
270	4.8	4.9	4.8																			270
275	4.3	4.5	4.5																			275

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 46

53-279 ft  
46 ft  
360°  
295,400 lb  
16.4 ft  
19.7 ft  
23 ft  
85%

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
15	109.4																15
16	109.4																16
17	109.4																17
18	109.4																18
19	109.4																19
20	109.4																20
22	108.3																22
24	106.2	91.7															24
26	104.1	87.3			108.8												26
28	101.9	82.8			107.6												28
30	99.8	79	63.4		105.9				107.9								30
32	96.3	75.6	61.1		104.6				105.1								32
34	91.9	72.3	58.8		103.2	79.6			102.3				94.7				34
36	87.6	68.9	56.6		101.5	77.7			99.5				92.7				36
38	83.2	65.7	54.8		99.5	75.7			96.7	74.1			90.7				38
40	78.8	63.3	53		96.8	73.8			93.9	72.6			88.7				40
45	69.8	57.6	48.7	37.3	90	69.3	55.7		88.2	68.7	55.2		83.7	66.7			45
50	63.4	52.2	45.3	35.4	83.3	65.7	53		83	65.1	53.5		79.3	63.7	53		50
55	57.1	48.3	42.1	33.7	77.7	62.1	50.5	36.3	77.9	62.2	51.7		75.5	60.8	51.1		55
60	50.9	44.7	39.5	32.2	73.3	58.7	48	35.2	73	59.2	49.6	35.4	71.8	58.4	49.3	35.3	60
65	47.1	41	37.2	30.9	69	56	45.9	34.2	69.5	56.4	47.5	34.5	68	56.1	47.6	34.5	65
70	43.3	38.4	34.9	29.9	64.6	53.3	44.1	33.3	66.1	54.1	45.6	33.6	64.4	53.7	45.9	33.7	70
75	39.6	36	33.1	28.9	61	50.6	42.2	32.5	62.7	51.9	44	32.8	61.9	51.6	44.2	33	75
80	36.9	33.6	31.5	28.2	58	48.2	40.5	31.7	59.4	49.7	42.4	32.1	59.3	49.9	42.8	32.2	80
85	34.4	31.8	30	27.7	55.2	46.2	39.2	31	56.5	47.5	40.7	31.3	56.7	48.2	41.4	31.6	85
90	31.9	30.2	28.9	27.6	52.4	44.3	37.8	30.3	54.3	45.7	39.4	30.8	54.2	46.4	40.1	31	90
95	30	28.7	27.9	27.6	49.5	42.3	36.5	29.7	52	44.1	38.3	30.2	51.9	44.6	38.8	30.4	95
100	28.2	27.6	27.8		46.8	40.4	35.2	29.2	49.7	42.5	37.1	29.6	50.1	43	37.7	29.9	100
105					44.6	38.6	34.1	28.7	47.4	40.9	35.9	29.1	48.2	41.7	36.7	29.5	105
110					42.7	37.3	33.2	28.3	45.2	39.2	34.8	28.7	46.4	40.4	35.7	29	110
115					40.8	36	32.3	28	43.2	37.7	33.8	28.3	44.6	39.1	34.8	28.6	115
120					38.9	34.7	31.4	27.7	41.7	36.5	33	28	42.7	37.8	33.8	28.3	120
125					37	33.4	30.5	27.4	40.1	35.4	32.2	27.7	40.9	36.5	32.8	28	125
130					35.6	32.3	29.8	27.3	38.5	34.4	31.4	27.5	39.2	35.3	32.2	27.6	130
135					34.3	31.5	29.2	27.3	37	33.3	30.7	27.3	37.6	34.4	31.5	27.4	135
140					33.1	30.6	28.5	27.2	35.5	32.2	30.1	27.2	36	33.5	30.9	27.3	140
145					31.8	29.7	28	27.2	34.3	31.4	29.5	27.2	34.4	32.7	30.3	27.2	145
150					30.6	28.9	27.7	27.2	33.2	30.7	29	27.2	32.8	31.8	29.6	27	150
155					29.7	28.4	27.5		32.2	29.9	28.5	27.2	31.1	31	29	27	155
160					28.8	27.9	27.3		31.1	29.2	28.1	27.2	29.7	29.9	28.4	27	160
165					27.9	27.5	27.3		30	28.5	27.9	27.2	28.4	28.6	27.8	27	165
170					24.1	26.8			29.3	28.1	27.7		27	27.3	27.1	27	170
175									28.5	27.8	27.5		25.6	26	26.3	26.3	175
180									27	27.3	27.4		24.3	24.7	25.1	25.2	180
185									22.4	25	24.7		23.1	23.5	23.9		185
190													22	22.4	22.6		190
195													20.5	20.9	21.3		195
200													19	19.4	19.6		200
205													10.4				205

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 46

53-279 ft, 46 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

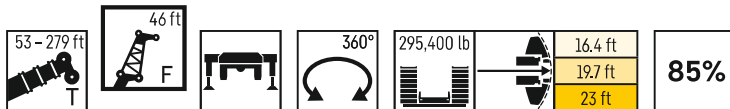
	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
40	81.4																40
45	77.5				66.8												45
50	73.7	60.9			63.5				53.2								50
55	69.8	58.6	49.7		60.2	55			51.1				42.8				55
60	65.9	56.3	48.2		56.9	53.3	46.3		48.9	49.5			41.4				60
65	62.6	54.4	46.7	34.3	54	51.6	45.1		46.8	47.5			40.1	39.6			65
70	59.4	52.6	45.3	33.6	51.1	49.7	43.9	33.1	44.6	45.5	41.8		38.7	38.5	28.1		70
75	56.3	50.8	43.9	32.9	48.2	47.6	42.7	32.5	42.5	43.5	40.9		37.3	37.3	36.6		75
80	53.7	48.9	42.6	32.2	45.8	45.5	41.6	31.9	40.3	41.5	39.9	31.3	35.6	36.1	35.5		80
85	51.3	46.9	41.3	31.5	43.6	43.6	40.5	31.3	38.1	39.4	38.6	30.8	33.9	34.7	34.4	30	85
90	48.9	45.6	40.2	31	41.8	41.6	39.4	30.8	36	37.3	37.1	30.3	32.3	33.1	33.2	29.6	90
95	46.6	44.2	39.1	30.5	40	39.9	38.1	30.3	34.5	35.2	35.7	29.8	30.6	31.5	31.9	29.2	95
100	44.2	42.8	37.9	30	38.1	38.2	36.6	29.8	33.1	33.2	34.2	29.4	29	30	30.6	28.8	100
105	42.2	41.4	36.8	29.5	36.4	36.6	35.5	29.4	31.7	31.8	32.5	29	27.5	28.4	29.2	28.5	105
110	40.3	40	35.7	29.1	34.6	34.9	34.4	28.9	30.3	30.5	30.8	28.7	26.2	27	27.9	28.1	110
115	38.6	38.4	34.9	28.8	32.9	33.3	33.2	28.5	28.9	29.1	29.3	28.3	25.2	25.5	26.5	27.2	115
120	36.9	36.8	34.1	28.4	31.6	31.9	32	28.2	27.6	27.8	28	27.9	24.2	24.2	25.1	26.1	120
125	35.3	35.2	33.3	28	30.2	30.6	30.8	27.9	26.3	26.6	26.8	27	23.2	23.3	23.7	25	125
130	33.6	33.7	32.6	27.7	28.9	29.3	29.5	27.6	25.2	25.4	25.7	26	22.2	22.4	22.5	23.8	130
135	31.9	32.1	31.7	27.5	27.6	28	28.2	27.2	24.2	24.4	24.7	25	21.3	21.5	21.7	22.5	135
140	30.3	30.5	30.7	27.3	26.3	26.8	27	26.4	23.2	23.4	23.7	24	20.4	20.7	20.9	21.2	140
145	29	29.1	29.4	27	25	25.5	25.7	25.5	22.2	22.4	22.6	23	19.6	19.9	20.1	20.3	145
150	27.7	27.9	28.1	26.4	23.6	24.3	24.5	24.5	21.2	21.4	21.6	22	18.8	19.1	19.3	19.6	150
155	26.4	26.6	26.8	25.8	22.5	23.1	23.4	23.6	20.2	20.4	20.6	21.1	18	18.2	18.4	18.8	155
160	25.2	25.4	25.5	25.1	21.5	22	22.3	22.6	19.1	19.4	19.6	20.1	17.2	17.4	17.6	18	160
165	23.9	24.1	24.3	24.5	20.5	21	21.2	21.6	18.2	18.5	18.7	19.1	16.4	16.6	16.8	17.2	165
170	22.7	22.9	23.2	23.5	19.5	20	20.1	20.5	17.3	17.6	17.8	18.2	15.6	15.8	16	16.4	170
175	21.6	21.8	22.1	22.4	18.5	18.9	19	19.4	16.5	16.7	16.9	17.3	14.8	15	15.2	15.6	175
180	20.6	20.8	21.1	21.3	17.5	17.9	18	18.4	15.6	15.9	16	16.4	14	14.3	14.5	14.8	180
185	19.6	19.8	20	20.3	16.5	16.9	17.1	17.5	14.8	15	15.2	15.5	13.4	13.6	13.8	14	185
190	18.6	18.8	19	19.3	15.7	16	16.3	16.5	14	14.2	14.3	14.7	12.8	13	13.1	13.3	190
195	17.7	17.9	18.1	18.3	14.9	15.2	15.4	15.6	13.1	13.3	13.6	13.8	12.1	12.3	12.4	12.6	195
200	16.7	16.9	17.2		14.1	14.5	14.6	14.8	12.3	12.5	12.9	13.1	11.5	11.7	11.7	11.9	200
205	15.8	16	16.3		13.4	13.7	13.7	13.9	11.7	11.9	12.2	12.3	10.9	11.1	11	11.2	205
210	15	15.2	15.4		12.6	12.9	13	13.2	11.2	11.3	11.5	11.5	10.2	10.4	10.4	10.6	210
215	14.2	14.3	14.5		11.9	12.2	12.3		10.6	10.7	10.8	10.8	9.6	9.8	9.9	10.1	215
220	10.1	10.7			11.2	11.5	11.6		10.1	10.2	10.2	10.3	9.1	9.3	9.4	9.6	220
225					10.7	10.9	10.9		9.5	9.6	9.7	9.7	8.6	8.8	8.9	9.1	225
230					10.2	10.3	10.4		9	9.1	9.2		8.1	8.3	8.4	8.6	230
235					9	9.8	9.8		8.5	8.6	8.7		7.7	7.8	7.9	8.1	235
240									8.1	8.2	8.2		7.2	7.3	7.5	7.6	240
245									7.7	7.8	7.8		6.7	6.8	7		245
250									7.2	7.4	7.3		6.2	6.4	6.5		250
255									5.4	5.5			5.9	6	6.1		255
260													5.5	5.6	5.6		260
265													5.2	5.2	5.3		265
270													3.5	4.5	4.2		270

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 46



	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
60	34				24.2				26.4												60
65	33				23.5				25.8				21.4					21			65
70	32	31.5			22.8	22.5			25.1	24.7			20.8				20.4				70
75	31	30.6	25.5		22.1	21.9			24.4	24.2			20.2	20			19.8				75
80	30	29.7	29.4		21.4	21.3	21.1		23.7	23.5	23.3		19.6	19.6			19.2	19.2			80
85	29	28.7	28.6		20.7	20.6	20.5		23	22.8	22.7		19	19	19		18.6	18.7			85
90	27.9	27.8	27.7	27.1	20	20	19.9		22.3	22.2	22.1		18.4	18.4	18.5		18	18.1	18.1		90
95	26.9	26.9	26.9	26.3	19.3	19.3	19.3	19.4	21.7	21.5	21.5	21.2	17.8	17.8	17.9		17.4	17.5	17.6		95
100	25.8	26	26.1	25.6	18.7	18.7	18.6	18.8	21.1	20.9	20.9	20.7	17.2	17.2	17.4	17.6	16.7	17	17.1	17.3	100
105	24.7	25.1	25.3	24.8	18	18.1	18.1	18.3	20.5	20.3	20.3	20.1	16.7	16.7	16.9	17.2	16	16.3	16.5	17	105
110	23.6	24.2	24.5	24.1	17.3	17.4	17.5	17.7	19.9	19.7	19.8	19.6	16.1	16.2	16.3	16.7	15.3	15.7	16	16.5	110
115	22.5	23.2	23.7	23.4	16.6	16.8	16.9	17.2	19.2	19.2	19.2	19.1	15.6	15.7	15.8	16.2	14.6	15.1	15.4	16	115
120	21.4	22.2	22.8	22.8	16	16.1	16.3	16.6	18.6	18.6	18.6	18.6	15	15.1	15.3	15.7	13.9	14.4	14.8	15.5	120
125	20.2	21.1	21.7	22.1	15.4	15.5	15.7	16.1	17.8	18	18	18.1	14.5	14.6	14.7	15.2	13.2	13.8	14.3	15	125
130	19.1	19.9	20.6	21.4	14.8	14.9	15.1	15.5	17	17.3	17.4	17.5	13.9	14.1	14.2	14.7	12.5	13.1	13.7	14.5	130
135	18.1	18.8	19.5	20.7	14.1	14.3	14.6	14.9	16.2	16.6	16.8	17	13.3	13.5	13.7	14.2	11.8	12.5	13	13.9	135
140	17.4	17.7	18.4	19.9	13.5	13.7	14	14.4	15.4	15.8	16.2	16.5	12.8	13	13.2	13.7	11.2	11.8	12.4	13.3	140
145	16.8	16.8	17.3	18.9	12.9	13.2	13.4	13.8	14.7	15.1	15.6	16	12.2	12.5	12.7	13.2	10.5	11.1	11.7	12.6	145
150	16.1	16.1	16.3	17.9	12.3	12.6	12.9	13.3	13.9	14.4	15	15.4	11.7	12	12.2	12.7	9.9	10.4	11	11.9	150
155	15.5	15.5	15.4	16.8	11.7	12	12.3	12.7	13.1	13.7	14.4	14.8	11.1	11.4	11.7	12.2	9.2	9.8	10.3	11.2	155
160	14.9	14.9	14.8	15.7	11.1	11.4	11.7	12.2	12.4	13	13.7	14.1	10.5	10.9	11.2	11.7	8.5	9.1	9.6	10.5	160
165	14.2	14.3	14.2	14.7	10.5	10.9	11.1	11.6	11.6	12.2	12.9	13.4	10	10.4	10.6	11.2	7.8	8.4	9	9.9	165
170	13.6	13.7	13.7	13.7	10	10.3	10.6	11.1	10.9	11.5	12.1	12.7	9.3	9.8	10	10.7	7.3	7.8	8.3	9.2	170
175	13	13.1	13.1	13.2	9.4	9.7	10	10.5	10.1	10.7	11.3	12	8.7	9.2	9.4	10.2	6.7	7.2	7.7	8.5	175
180	12.4	12.5	12.6	12.7	8.8	9.2	9.4	10	9.4	9.9	10.5	11.3	8	8.6	8.8	9.7	6.1	6.6	7.1	7.8	180
185	11.7	11.9	12	12.2	8.3	8.6	8.9	9.4	8.6	9.2	9.7	10.5	7.4	7.9	8.1	9.2	5.6	6	6.5	7.1	185
190	11.1	11.4	11.5	11.7	7.7	8	8.3	8.8	7.8	8.4	8.9	9.6	6.8	7.2	7.5	8.5	5	5.4	5.9	6.5	190
195	10.6	10.8	11	11.2	7.2	7.5	7.7	8.3	7.1	7.7	8	8.8	6.1	6.6	6.9	7.8	4.4	4.9	5.3	5.9	195
200	10.1	10.3	10.6	10.7	6.6	6.9	7.2	7.7	6.3	6.9	7.4	8	5.5		6.3	7.1	3.8	4.3		5.3	200
205	9.6	9.8	10.1	10.3	6.1	6.4	6.7	7.2	5.7	6.2	6.7	7.2			5.6	6.4					205
210	9	9.3	9.6	9.8	5.6	5.9	6.2	6.6	5.1	5.6	6	6.5			5	5.7					210
215	8.5	8.8	9.1	9.3	5.2	5.5	5.7	6.1	4.5	4.9	5.3	5.8			4.4	5					215
220	8.1	8.3	8.6	8.9	4.7	5	5.2	5.6	3.9	4.3		5.1			3.8	4.3					220
225	7.5	7.8	8.2	8.4	4.3	4.5	4.7	5	3.3	3.7		4.4			3.1	3.7					225
230	7	7.3	7.7	7.9	3.8	4.1	4.2	4.5	2.4	3		3.7				2.9					230
235	6.6	6.8	7.2	7.4		3.6	3.8	4				2.9									235
240	6.2	6.4	6.8	6.9		3.1	3.3	3.5				2.1									240
245	5.8	6	6.3	6.4		2.6	2.9	3													245
250	5.4	5.5	5.9	6		2.1	2.3	2.4													250
255	5	5.1	5.4	5.5			1.7	1.8													255
260	4.6	4.7	5																		260
265	4.2	4.3	4.6																		265
270	3.8	3.9	4.2																		270
275	3.6	3.6	3.8																		275
280	3.3	3.3	3.5																		280
285		3	3.1																		285

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 57

53-279 ft   57 ft   360°   295,400 lb   16.4 ft   19.7 ft   23 ft   85%

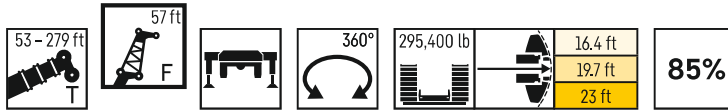
	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
17	109.4																17
18	109.4																18
19	109.4																19
20	109.4																20
22	109.4																22
24	108.4																24
26	104.9																26
28	100.6	85.4			103.3												28
30	96.3	82			100.7												30
32	92	78.6			97.9				92.9								32
34	87.8	75.4			95.2				90.9								34
36	84.2	72.6	63.6		92.4				88.8				82.4				36
38	81.1	70	61.7		89.7	74			86.7				80.9				38
40	78	67.3	59.7		87.1	72.6			84.6				79.4				40
45	70.3	61.1	55.1		82.2	68.7			79.8	67.2			75.9				45
50	63.7	56.5	51		77.4	65.1	55		75.8	64			72.4	61.8			50
55	58.9	51.9	47.5	40.4	72.5	62.1	54.1		72	61.1	53.8		69.4	59.4			55
60	54.1	48.3	44.4	38.5	68.6	59.1	52.3		68.2	58.7	51.9		66.6	57	50.9		60
65	49.3	45.2	41.5	36.6	65.3	56.2	50	39.4	64.7	56.2	50		63.8	55	49.2		65
70	45.7	42.1	39.3	34.9	62	53.8	47.7	38.1	62.1	53.8	48.1	38.1	60.9	53.1	47.6		70
75	42.8	39.3	37.1	33.4	58.7	51.5	45.9	36.9	59.5	51.7	46.2	37	58.5	51.2	46.1	36.9	75
80	39.9	37.1	35	32.1	55.8	49.2	44.1	35.9	56.9	49.9	44.6	36	56.5	49.4	44.5	36	80
85	37.1	35.1	33.4	31	53.4	46.9	42.3	34.9	54.3	48	43.1	35.1	54.5	47.8	43	35.2	85
90	35.1	33	31.8	29.9	51.2	45.2	40.7	34	52	46.1	41.6	34.3	52.5	46.3	41.8	34.3	90
95	33.2	31.5	30.3	29.2	48.9	43.5	39.4	33.2	50.1	44.4	40.1	33.4	50.5	44.8	40.5	33.6	95
100	31.2	30	29.3	28.6	46.6	41.8	38.1	32.4	48.3	42.9	38.9	32.7	48.6	43.3	39.3	32.9	100
105	29.8	28.8	28.3	28.6	44.3	40.1	36.8	31.7	46.4	41.5	37.8	32.1	46.8	41.7	38	32.2	105
110	28.3	27.9	28		42.4	38.4	35.6	31	44.6	40.1	36.7	31.4	45	40.5	37	31.6	110
115					40.8	37	34.5	30.4	42.8	38.7	35.6	30.8	43.2	39.3	36.1	31.1	115
120					39.3	35.9	33.6	29.9	40.9	37.3	34.6	30.3	41.4	38.2	35.2	30.5	120
125					37.8	34.8	32.6	29.4	39.6	36.1	33.6	29.8	39.6	37	34.3	30	125
130					36.3	33.7	31.7	29	38.4	35	32.9	29.4	37.8	35.9	33.4	29.6	130
135					34.9	32.5	30.9	28.6	37.1	34.1	32.1	29	36.2	34.8	32.5	29.2	135
140					33.7	31.6	30.2	28.3	35.9	33.2	31.3	28.7	34.7	33.6	31.8	28.9	140
145					32.7	30.8	29.6	28.1	34.6	32.3	30.6	28.3	33.3	32.4	31.1	28.5	145
150					31.7	30	29	28	33.4	31.3	29.9	28	31.9	31.2	30.4	28.2	150
155					30.6	29.3	28.4	27.9	32.5	30.6	29.5	27.9	30.5	30	29.7	28	155
160					29.6	28.5	28.1	27.9	31.6	29.9	29	27.9	29.1	28.8	29	27.8	160
165					28.9	28	27.8		30.8	29.3	28.5	27.8	27.7	27.6	28	27.4	165
170					28.3	27.7	27.5		30	28.7	28	27.8	26.4	26.5	26.9	26.6	170
175					27.6	27.3	27.5		29.1	28.1	27.8	27.8	25.3	25.4	25.8	25.8	175
180					26.4	27.2			28	27.5	27.6		24.1	24.2	24.7	24.9	180
185									26.3	27	27.3		22.9	23.1	23.6	23.8	185
190									24.7	25.2	25.6		21.8	22	22.5	22.8	190
195									22.5	23.6	23.8		20.7	21	21.5		195
200													19.8	20	20.4		200
205													18.7	19.1	19.3		205
210													17.5	17.8	18		210
215													12.3	12.4			215

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 57



	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
45	70.4				50												45
50	67.8				59.3				44.6								50
55	65.1	56.5			56.5				47.4				39				55
60	62.2	54.6			53.6	51.8			45.6				38				60
65	59	52.8	47.6		50.9	50.3			43.9	44			36.9				65
70	55.8	51.1	46.2		48.4	48.9	44.2		42.1	42.6			35.8	34.8			70
75	53.1	49.6	44.9		45.9	47.3	43.1		40.2	41	40.3		34.7	33.9			75
80	50.5	48.1	43.7	35.6	43.4	45.1	42.1		38.4	39.5	39.3		33.4	32.9	32.3		80
85	48.2	46.6	42.5	34.8	41.1	42.8	40.9	34.1	36.5	37.8	38.2		32	31.9	31.4		85
90	46.2	44.9	41.3	34.1	39.2	40.5	39.6	33.5	34.6	36	37	32.4	30.6	30.8	30.4		90
95	44.1	43	40	33.4	37.6	38.2	38.4	32.8	32.7	34.1	35.3	31.9	29.1	29.5	29.5	25.5	95
100	42.1	41.4	38.8	32.8	36	36.1	37.1	32.2	31.1	32.3	33.6	31.3	27.7	28.3	28.5	28.5	100
105	40	39.8	37.7	32.2	34.5	34.6	35.5	31.7	29.8	30.6	31.9	30.9	26.3	27.1	27.6	27.7	105
110	38.2	38.2	36.7	31.6	32.9	33.2	33.6	31.2	28.6	29	30.2	30.5	25	25.9	26.6	26.9	110
115	36.6	36.6	35.7	31	31.4	31.8	32	30.7	27.5	27.5	28.6	29.8	23.7	24.7	25.6	26.1	115
120	35.1	35.1	34.5	30.6	29.8	30.3	30.6	30.1	26.3	26.3	27.1	28.7	22.5	23.5	24.5	25.4	120
125	33.7	33.7	33.4	30.1	28.6	29	29.3	29.3	25.1	25.3	25.6	27.4	21.7	22.2	23.3	24.5	125
130	32.2	32.4	32.2	29.7	27.5	27.8	28.1	28.3	23.9	24.2	24.4	26	20.9	21	22.1	23.5	130
135	30.7	31	30.9	29	26.3	26.7	27	27.3	23	23.1	23.5	24.7	20.1	20.1	20.8	22.5	135
140	29.3	29.6	29.7	28.4	25.2	25.6	25.9	26.3	22	22.2	22.5	23.3	19.3	19.4	19.6	21.4	140
145	27.8	28.2	28.6	27.7	24	24.5	24.8	25.3	21.1	21.3	21.6	22	18.5	18.7	18.7	20.2	145
150	26.6	26.9	27.4	27	22.9	23.5	23.7	24.2	20.2	20.4	20.8	21.2	17.8	18	18	19.1	150
155	25.5	25.7	26.2	26.3	21.8	22.4	22.7	23.2	19.4	19.6	19.9	20.4	17	17.3	17.3	17.8	155
160	24.3	24.6	25	25.3	20.7	21.3	21.6	22.1	18.5	18.7	19	19.5	16.3	16.5	16.6	16.6	160
165	23.2	23.4	23.8	24.2	19.7	20.3	20.6	21	17.5	17.8	18.1	18.6	15.6	15.8	16	16	165
170	22.1	22.3	22.6	23.1	18.8	19.4	19.6	20	16.7	17	17.2	17.7	14.9	15.1	15.3	15.4	170
175	21	21.2	21.5	22	17.9	18.5	18.7	19	15.8	16.1	16.4	16.8	14.1	14.4	14.6	14.8	175
180	19.9	20.1	20.6	20.9	17	17.5	17.7	18.1	15.1	15.3	15.6	16	13.4	13.6	13.9	14.2	180
185	19	19.1	19.6	20	16.1	16.6	16.7	17.2	14.4	14.6	14.8	15.1	12.7	12.9	13.2	13.6	185
190	18.1	18.3	18.7	19	15.2	15.7	15.8	16.2	13.6	13.9	14	14.4	12.1	12.3	12.7	12.9	190
195	17.3	17.5	17.8	18	14.3	14.8	15.1	15.4	12.9	13.1	13.3	13.6	11.5	11.7	12.1	12.4	195
200	16.4	16.6	16.9	17.2	13.6	14.1	14.3	14.6	12.2	12.4	12.5	12.8	11	11.1	11.5	11.8	200
205	15.6	15.8	16.1	16.3	12.9	13.4	13.5	13.8	11.4	11.7	11.8	12.1	10.4	10.6	10.9	11.2	205
210	14.8	15	15.3		12.3	12.7	12.8	13	10.7	11	11.3	11.5	9.9	10.1	10.3	10.6	210
215	14	14.2	14.5		11.6	12	12	12.3	10.1	10.4	10.7	10.9	9.3	9.5	9.7	10.1	215
220	13.3	13.4	13.7		11	11.3	11.4	11.5	9.7	9.9	10.2	10.3	8.8	9	9.2	9.5	220
225	12.5	12.6	12.9		10.4	10.7	10.9		9.2	9.4	9.6	9.7	8.2	8.5	8.7	9.1	225
230	9.9	11.5	11.4		9.8	10.1	10.3		8.8	9	9.1	9.2	7.7	8	8.2	8.6	230
235					9.4	9.6	9.8		8.3	8.5	8.6	8.7	7.3	7.5	7.7	8.1	235
240					9	9.2	9.3		7.8	8	8.1		6.9	7.1	7.2	7.7	240
245					8.5	8.7	8.7		7.4	7.6	7.7		6.4	6.6	6.8	7.1	245
250					6.5	5.6			7	7.1	7.2		6	6.2	6.3	6.6	250
255									6.6	6.7	6.8		5.6	5.7	5.9		255
260									6.2	6.3	6.3		5.1	5.3	5.4		260
265									4.3	4.8			4.8	4.9	5		265
270													4.5	4.6	4.6		270
275													4.2	4.2	4.2		275
280													3.5	3.9	3.9		280

\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 57

53-279 ft  
57 ft  
360°  
295,400 lb  
16.4 ft  
19.7 ft  
23 ft  
85%

	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
60	30.8																				60	
65	30				21.4							23.5									65	
70	29.1	24.2			20.8												18.9				70	
75	28.3	27.8			20.2	19.8										18.4					75	
80	27.4	27			19.6	19.4										17.9					80	
85	26.5	26.2	25.4		19	18.8										17.4	17.3				85	
90	25.7	25.4	24.7		18.4	18.2	18.2									16.8	16.8				90	
95	24.8	24.6	24		17.8	17.7	17.6									16.3	16.3	16.3			95	
100	24	23.9	23.3	23.5	17.2	17.1	17.1									15.8	15.9	15.9			100	
105	23.1	23.2	22.7	22.9	16.6	16.6	16.6	16.1								15.3	15.4	15.5			105	
110	22.3	22.5	22.1	22.3	16	16	16.1	15.7								14.8	14.9	15.1	15		110	
115	21.4	21.8	21.4	21.7	15.4	15.5	15.6	15.2								14.3	14.4	14.6	14.6		115	
120	20.4	21.1	20.8	21	14.8	14.9	15.1	14.7								13.8	13.9	14.1	14.2		120	
125	19.4	20.4	20.1	20.4	14.3	14.4	14.5	14.3								13.3	13.5	13.7	13.8		125	
130	18.4	19.3	19.4	19.8	13.7	13.9	14.1	13.9								12.8	13	13.2	13.4		130	
135	17.4	18.3	18.6	19.2	13.2	13.4	13.6	13.5								12.3	12.5	12.7	13		135	
140	16.3	17.3	17.8	18.6	12.6	12.8	13.1	13								11.8	12.1	12.3	12.6		140	
145	15.4	16.3	17.1	17.9	12.1	12.3	12.6	12.6								11.4	11.6	11.8	12.2		145	
150	14.8	15.3	16.3	17.2	11.5	11.8	12.1	12.1								10.9	11.1	11.4	11.8		150	
155	14.3	14.3	15.5	16.5	11	11.3	11.6	11.7								10.4	10.7	10.9	11.4		155	
160	13.8	13.7	14.6	15.6	10.4	10.8	11.1	11.3								9.8	10.2	10.5	11		160	
165	13.3	13.2	13.8	14.8	9.9	10.2	10.6	10.8								9.3	9.7	10	10.6		165	
170	12.8	12.7	12.9	13.9	9.4	9.7	10.1	10.4								8.8	9.3	9.6	10.2		170	
175	12.3	12.3	12.2	13.1	8.9	9.2	9.6	10								8.3	8.8	9.1	9.7		175	
180	11.7	11.8	11.7	12.2	8.3	8.7	9.1	9.5								7.7	8.3	8.6	9.3		180	
185	11.2	11.4	11.3	11.4	7.8	8.2	8.6	9.1								7.1	7.7	8	8.8		185	
190	10.7	10.9	10.8	11	7.3	7.7	8.1	8.6								6.5	7.1	7.4	8.4		190	
195	10.2	10.4	10.3	10.6	6.8	7.2	7.6	8.1								5.9	6.5	6.8	7.9		195	
200	9.7	10	9.9	10.2	6.3	6.7	7.1	7.6								5.3	5.9	6.3	7.3		200	
205	9.3	9.5	9.5	9.8	5.8	6.2	6.5	7.1								4.8	5.3	5.7	6.8		205	
210	8.8	9.1	9.1	9.4	5.3	5.7	6.1	6.6										5.1	6.1	2.3		210
215	8.4	8.6	8.7	9	4.9	5.2	5.6	6.1										4.6	5.4			215
220	7.9	8.2	8.2	8.6	4.4	4.8	5.1	5.6										4	4.7			220
225	7.5	7.7	7.8	8.2	4	4.4	4.7	5.1										3.4	4.1			225
230	7	7.3	7.4	7.7	3.6	3.9	4.2	4.6										2.8	3.4			230
235	6.6	6.8	7	7.3	3.2	3.5	3.7	4.1										2.1	2.7			235
240	6.1	6.4	6.5	6.8	2.7	3	3.3	3.6											1.9			240
245	5.7	5.9	6.1	6.4	2.1	2.5	2.8	3.1														245
250	5.4	5.5	5.7	5.9			2.2	2.5														250
255	5	5.2	5.3	5.4			1.7	1.9														255
260	4.6	4.8	4.9	5																		260
265	4.2	4.4	4.5	4.5																		265
270	3.8	4	4.1																			270
275	3.5	3.6	3.7																			275
280	3.1	3.2	3.3																			280
285	2.9	2.9	2.9																			285
290	2.6	2.6	2.6																			290
295	2.3	2.3	2.3																			295

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 69

53-279 ft | 69 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
19	107.8																19
20	105.9																20
22	102																22
24	98.2																24
26	94.4																26
28	90.6																28
30	87				87												30
32	83.3	71.5			84.8												32
34	79.7	68.9			82.6				79.4								34
36	76	66.3			80.3				77.7								36
38	72.5	63.8			78.1				76				70.6				38
40	69.9	61.6			75.9				74.3				69.4				40
45	63.9	56.4	50.6		71.2	59.5			70				66.2				45
50	57.9	51.3	46.6		67.2	56.4			66.4	55.2			63.1	53.8			50
55	52.8	47.7	43.4		63.3	53.5	47		63.2	52.7			60.2	52			55
60	49.1	44	40.3		59.5	51.1	45		60	50.4	44.5		57.8	49.9			60
65	45.3	40.7	37.9	31.7	56.5	48.7	43.1		56.9	48.4	42.8		55.4	47.9	41.9		65
70	41.6	38.3	35.4	30.3	53.9	46.4	41.2		54.2	46.4	41.2		53	46.3	40.5		70
75	38.4	35.9	33.4	28.9	51.2	44.4	39.4	31	52	44.5	39.6	30.9	50.7	44.7	39.2		75
80	36	33.4	31.6	27.7	48.5	42.6	37.8	30.1	49.8	42.8	38.1	30.1	48.7	43.1	37.9	30	80
85	33.7	31.4	29.9	26.5	46.2	40.7	36.3	29.2	47.7	41.2	36.6	29.3	47	41.6	36.7	29.2	85
90	31.4	29.8	28.3	25.5	44.2	38.8	34.9	28.4	45.6	39.7	35.4	28.5	45.2	40.3	35.4	28.5	90
95	29.5	28.1	27	24.6	42.4	37.3	33.5	27.6	43.6	38.1	34.2	27.8	43.6	39	34.4	27.8	95
100	27.9	26.5	25.7	23.7	40.5	35.9	32.4	26.8	42.1	36.6	33	27.1	41.9	37.7	33.3	27.1	100
105	26.4	25.3	24.5	23.1	38.7	34.5	31.3	26.2	40.6	35.4	31.9	26.5	40.4	36.4	32.3	26.5	105
110	24.9	24.2	23.6	22.6	36.8	33.2	30.3	25.6	39	34.2	31	25.9	39.1	35.1	31.3	26	110
115	23.7	23.1	22.8	22.6	35.1	31.8	29.2	25	37.5	33.1	30.1	25.4	37.9	33.9	30.3	25.4	115
120	22.6	22.3	22.3		33.7	30.4	28.3	24.5	36	31.9	29.2	24.9	36.7	33	29.6	25	120
125					32.5	29.4	27.4	24	34.4	30.8	28.3	24.4	35.4	32	28.8	24.6	125
130					31.3	28.5	26.7	23.6	33.2	29.7	27.4	23.9	34.2	31.1	28.1	24.1	130
135					30	27.6	25.9	23.2	32.1	28.7	26.7	23.5	33	30.1	27.3	23.7	135
140					28.8	26.7	25.2	22.9	31.1	27.9	26.1	23.1	31.8	29.2	26.6	23.4	140
145					27.7	25.8	24.5	22.6	30	27.1	25.5	22.8	30.6	28.2	25.9	23.1	145
150					26.8	25.1	24	22.3	29	26.4	24.9	22.6	29.5	27.5	25.3	22.7	150
155					26	24.4	23.5	22.1	27.9	25.6	24.2	22.3	28.4	26.8	24.8	22.4	155
160					25.2	23.8	23	22	27	24.9	23.7	22.1	27.3	26.1	24.3	22.2	160
165					24.3	23.2	22.5	22	26.3	24.2	23.3	21.9	26.1	25.4	23.8	22.1	165
170					23.5	22.6	22.2	22	25.5	23.7	22.9	21.9	25	24.7	23.3	21.9	170
175					23	22.2	21.9	22	24.8	23.2	22.5	21.9	23.9	24	22.7	21.7	175
180					22.4	21.8	21.7		24.1	22.7	22.1	21.8	22.9	23.2	22.1	21.6	180
185					21.9	21.5	21.6		23.4	22.2	21.9	21.8	21.9	22.3	21.6	21.5	185
190					21.6	21.4	21.6		22.9	21.8	21.7	21.8	20.9	21.3	21	21.4	190
195									22.4	21.6	21.6		19.9	20.4	20.4	20.9	195
200									22	21.4	21.5		18.9	19.5	19.6	20	200
205									20.9	21.2	21.4		18	18.5	18.7	19	205
210									12.8	15.4			17.2	17.6	17.8		210
215													16.4	16.7	16.9		215
220													15.4	15.8	16		220
225													10.8	13.4	8.1		225

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

TF 69

53-279 ft, 69 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
45	60.9																45
50	58.6				53.2												50
55	56.4				51.4				43.1				25.9				55
60	54.2	47.6			49.4				41.7				34.2				60
65	52.1	46			47.5	43.1			40.3				33.2				65
70	50.1	44.5	39.3		45.5	41.9			38.9	38.4			32.2				70
75	48	43.1	38.2		43.4	40.8	36.5		37.4	37.4			31.2	30.4			75
80	46.3	41.8	37.1		41.2	39.5	35.6		35.8	36.3	31		30.2	29.5			80
85	44.6	40.6	36	28.9	39.1	38.2	34.8		34.1	35.2	32.9		29.1	28.6	24.7		85
90	42.9	39.3	35	28.2	37	36.8	33.9	27.9	32.5	33.9	32.2		27.9	27.7	27.4		90
95	41.1	38	34	27.8	35	35.5	33	27.7	30.8	32.4	31.4		26.8	26.8	26.5		95
100	39.4	36.6	33	27.5	33.6	34.1	32.2	27.4	29.2	30.8	30.5	26.5	25.6	25.9	25.7		100
105	37.6	35.6	32.1	27.1	32.3	32.7	31.3	26.9	27.7	29.2	29.4	26.1	24.4	25	24.9	24.5	105
110	35.8	34.6	31.2	26.6	30.9	31.1	30.4	26.4	26.3	27.6	28.3	25.6	23.3	24	24.2	24	110
115	34.2	33.6	30.3	26.1	29.6	29.7	29.2	25.9	25.3	26.2	27.2	25.2	22.1	23.1	23.5	23.3	115
120	32.8	32.6	29.5	25.6	28.2	28.5	28	25.5	24.3	24.8	26.1	24.8	21	22.1	22.8	22.6	120
125	31.5	31.5	28.5	25.2	26.9	27.3	27.1	25.1	23.2	23.5	24.8	24.4	19.9	21.1	22.1	21.9	125
130	30.2	30.3	27.8	24.8	25.8	26.1	26.1	24.6	22.2	22.3	23.4	23.8	18.9	20	21.1	21.3	130
135	28.9	29.2	27.2	24.5	24.8	24.9	25.2	24	21.2	21.4	22	23.3	18.2	18.9	20.1	20.6	135
140	27.6	28	26.5	24.1	23.8	23.9	24.3	23.4	20.3	20.6	20.8	22.7	17.5	17.8	19	20	140
145	26.4	26.9	25.9	23.7	22.8	23	23.3	22.8	19.5	19.7	20.1	21.9	16.9	16.8	17.8	19.3	145
150	25.1	25.7	25.3	23.4	21.8	22	22.3	22.2	18.7	18.9	19.3	20.7	16.2	16.2	16.7	18.6	150
155	23.9	24.6	24.6	23.1	20.7	21.1	21.4	21.7	17.9	18.1	18.5	19.5	15.6	15.6	15.7	17.8	155
160	22.8	23.5	23.7	22.9	19.7	20.1	20.4	20.9	17.1	17.4	17.7	18.2	14.9	15	14.9	16.8	160
165	21.9	22.4	22.7	22.6	18.7	19.2	19.4	20	16.3	16.6	16.9	17.2	14.3	14.4	14.4	15.8	165
170	20.9	21.4	21.6	22	17.8	18.2	18.5	19	15.5	15.8	16.1	16.5	13.6	13.8	13.8	14.8	170
175	19.9	20.4	20.6	21.1	17	17.3	17.6	18.1	14.7	15	15.3	15.8	13	13.3	13.3	13.7	175
180	18.9	19.5	19.6	20.1	16.1	16.5	16.8	17.2	13.9	14.2	14.6	15.1	12.3	12.7	12.7	12.8	180
185	17.9	18.5	18.6	19.1	15.3	15.7	16	16.4	13.2	13.5	13.9	14.3	11.7	12.1	12.2	12.3	185
190	17	17.5	17.7	18.2	14.5	14.9	15.1	15.6	12.6	12.9	13.2	13.6	11	11.5	11.7	11.9	190
195	16.2	16.6	16.9	17.3	13.7	14.1	14.3	14.8	12	12.3	12.6	12.9	10.4	11	11.1	11.4	195
200	15.5	15.9	16.1	16.5	12.9	13.2	13.4	14	11.4	11.7	11.9	12.3	9.9	10.4	10.6	11	200
205	14.7	15.1	15.3	15.6	12.1	12.4	12.8	13.2	10.8	11.1	11.2	11.7	9.3	9.9	10.2	10.5	205
210	14	14.4	14.4	14.8	11.5	11.8	12.1	12.5	10.2	10.5	10.6	11	8.8	9.4	9.7	10	210
215	13.2	13.6	13.7	14	11	11.2	11.5	11.8	9.6	9.9	10	10.4	8.4	8.9	9.2	9.6	215
220	12.5	12.9	13	13.3	10.5	10.7	10.9	11.1	9	9.3	9.5	9.9	7.9	8.4	8.7	9.1	220
225	11.9	12.2	12.3		10	10.2	10.2	10.5	8.5	8.8	9	9.4	7.4	7.9	8.2	8.6	225
230	11.2	11.5	11.7		9.5	9.6	9.7	9.9	8	8.3	8.5	8.9	6.9	7.5	7.7	8.1	230
235	10.6	10.9	11		8.9	9.1	9.2	9.3	7.5	7.8	8	8.4	6.4	7	7.3	7.6	235
240	9.6	10.3	10.3		8.5	8.6	8.7		7.1	7.3	7.5	7.9	5.9	6.5	6.8	7.1	240
245	5.4				8.1	8.2	8.3		6.6	6.8	7	7.3	5.5	6.1	6.4	6.6	245
250					7.6	7.8	7.8		6.2	6.4	6.5		5.2	5.7	5.9	6.1	250
255					7.2	7.4	7.4		5.7	5.9	6.1		4.8	5.3	5.4	5.6	255
260					4.9	5.1			5.3	5.5	5.6		4.4	4.8	5	5.1	260
265									5	5.1	5.2		4	4.4	4.6		265
270									4.6	4.7	4.7		3.6	4	4.1		270
275									3	4.4	4.3		3.2	3.6	3.7		275
280													3	3.3	3.3		280
285													2.7	3	3		285
290													2.4	2.6	2.6		290

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

TF 69

53-279 ft, 69 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
60	23.5																				60
65	26.2				19.1				20.9												65
70	25.5				18.5				20.4												70
75	24.8	20.7			18				19.8								16				75
80	24	23.7			17.4	17.1			19.3								15.5				80
85	23.3	23.1			16.9	16.7			18.7	18.4							15.1				85
90	22.7	22.4	18.5		16.4	16.2			18.2	17.9							14.6	14.6			90
95	22	21.7	21.7		15.9	15.7	15.4		17.7	17.5	16.9						14.2	14.2			95
100	21.4	21.1	21.1		15.3	15.2	15		17.2	17	16.6						13.7	13.8			100
105	20.8	20.5	20.4		14.8	14.7	14.6		16.7	16.6	16.2						13.2	13.3	13.4		105
110	20.2	19.9	19.8	19.7	14.3	14.2	14.2		16.2	16.1	15.8						12.6	12.9	13		110
115	19.5	19.4	19.3	19.3	13.7	13.8	13.8	13	15.7	15.7	15.4	14.3					12.1	12.5	12.7		115
120	18.9	18.8	18.7	18.8	13.2	13.3	13.3	12.6	15.2	15.2	14.9	14					11.6	12	12.3		120
125	18.1	18.2	18.2	18.3	12.7	12.8	12.9	12.2	14.7	14.7	14.5	13.7					11	11.5	11.9	11.7	125
130	17.2	17.6	17.6	17.8	12.2	12.3	12.5	11.9	14.2	14.3	14.1	13.3					10.5	11	11.5	11.3	130
135	16.3	16.9	17	17.2	11.7	11.9	12	11.5	13.6	13.8	13.6	13					9.9	10.5	11	11.1	135
140	15.4	16.1	16.4	16.7	11.2	11.4	11.6	11.2	13	13.3	13.2	12.6					9.4	10	10.6	10.8	140
145	14.6	15.3	15.8	16.1	10.7	10.9	11.2	10.9	12.5	12.8	12.8	12.2					8.8	9.5	10.2	10.6	145
150	13.7	14.5	15.1	15.6	10.2	10.5	10.7	10.6	11.9	12.3	12.4	11.9					8.3	9	9.7	10.3	150
155	12.8	13.7	14.4	15.1	9.7	10	10.3	10.4	11.3	11.8	12	11.6					7.7	8.5	9.2	10	155
160	12.2	12.9	13.8	14.5	9.2	9.6	9.9	10.1	10.7	11.3	11.6	11.3					7.1	7.9	8.7	9.6	160
165	11.7	12.2	13.1	13.9	8.7	9.1	9.5	9.8	10.2	10.8	11.3	11					6.6	7.3	8.1	9.1	165
170	11.3	11.4	12.3	13.2	8.3	8.7	9	9.5	9.6	10.2	10.9	10.7						6.8	7.5	8.6	170
175	10.9	10.8	11.6	12.5	7.8	8.2	8.6	9.1	8.9	9.7	10.5	10.3						6.2	6.9	8.1	175
180	10.4	10.4	10.8	11.8	7.3	7.8	8.1	8.6	8.3	9.1	10	9.9						5.6	6.4	7.6	180
185	10	10	10.1	11.1	6.8	7.3	7.7	8.2	7.7	8.5	9.3	9.5						5.1	5.8	7	185
190	9.5	9.6	9.7	10.4	6.4	6.8	7.2	7.8	7.1	7.8	8.6	9.1						4.6	5.2	6.4	190
195	9.1	9.2	9.4	9.6	5.9	6.4	6.8	7.4	6.4	7.2	7.9	8.7						4.1	4.7	5.8	195
200	8.6	8.8	9	9.2	5.4	5.9	6.3	7	5.8	6.5	7.2	8.2						3.5	4.2	5.2	200
205	8.2	8.4	8.7	8.9	5	5.4	5.8	6.5	5.2	5.9	6.6	7.6						2.9	3.7	4.6	205
210	7.7	8	8.3	8.6	4.5	5	5.4	6			5.9	6.9						2.3	3	4.1	210
215	7.3	7.6	7.9	8.3	4	4.5	4.9	5.5			5.2	6.2						1.7	2.3	3.5	215
220	6.9	7.2	7.4	7.9	3.6	4.1	4.5	5			4.6	5.5								2.8	220
225	6.5	6.8	7	7.5	3.2	3.6	4	4.6			4	4.8								2	225
230	6.1	6.4	6.6	7	2.6	3.2	3.6	4.1			3.4	4.2									230
235	5.7	6	6.2	6.6	2.1	2.7	3.1	3.6			2.7	3.5									235
240	5.3	5.6	5.8	6.1	1.6	2.2	2.6	3.1				2.8									240
245	4.9	5.2	5.4	5.7		1.7	2	2.6				1.9									245
250	4.5	4.8	5	5.3																	250
255	4.1	4.4	4.6	4.8																	255
260	3.8	4	4.2	4.4																	260
265	3.4	3.6	3.8	4																	265
270	3.1	3.3	3.4	3.5																	270
275	2.7	2.9	3	3.1																	275
280	2.4	2.5	2.7																		280
285	1.9	2.1	2.3																		285
290		1.6	1.8																		290

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 80

53-279 ft | 80 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
22	94.5																22
24	90.2																24
26	85.8																26
28	81.6																28
30	77.9																30
32	75				75.3												32
34	72.2				73.5												34
36	69.3	60.1			71.6			68									36
38	66.4	58.1			69.8			66.6									38
40	63.5	56.1			67.9			65.1				60.7					40
45	57.9	51.5			63.4			61.6				58					45
50	53.3	47.3	42.7		60	50.7		58.2	49.2			55.4					50
55	48.7	43.3	39.5		56.8	48.1		55.4	47.2			52.7	45.3				55
60	44.7	40.3	36.8		53.4	45.8	39.4	52.8	45.1			50.6	43.6				60
65	41.6	37.4	34.3		50.4	43.8	37.8	50.2	43.2	37.3		48.6	41.9				65
70	38.6	34.5	32.2	27.5	48.1	41.9	36.1	47.5	41.5	36		46.6	40.3	35.2			70
75	35.6	32.6	30.3	26.3	45.9	39.9	34.6	45.6	39.9	34.6		44.5	39	34.1			75
80	32.8	30.6	28.4	25.2	43.7	38.2	33.1	43.7	38.2	33.3		42.6	37.6	33			80
85	30.7	28.7	26.9	24.2	41.5	36.6	31.7	41.9	36.7	32	26	41.2	36.3	31.9			85
90	28.8	26.8	25.5	23.2	39.6	35	30.5	40.1	35.4	30.8	25.2	39.8	35	30.8	25.1		90
95	27	25.3	24.1	22.2	37.9	33.4	29.3	38.4	34.1	29.7	24.6	38.3	33.9	29.7	24.4		95
100	25.2	24	22.8	21.3	36.3	32	28.2	36.8	32.8	28.7	23.9	36.9	32.8	28.7	23.8		100
105	23.8	22.7	21.8	20.5	34.7	30.8	27.1	35.5	31.5	27.7	23.3	35.5	31.7	27.9	23.3		105
110	22.6	21.4	20.9	19.8	33.2	29.7	26.2	34.2	30.4	26.7	22.7	34.1	30.7	27	22.7		110
115	21.3	20.5	19.9	19.2	31.6	28.5	25.4	32.9	29.3	25.9	22.2	33	29.6	26.1	22.2		115
120	20.1	19.6	19.2	18.8	30.1	27.4	24.5	31.6	28.4	25.1	21.7	31.9	28.6	25.3	21.7		120
125	19.2	18.7	18.5	18.6	28.8	26.2	23.6	30.4	27.4	24.4	21.2	30.9	27.8	24.6	21.3		125
130	18.3	18.1	18		27.8	25.2	22.9	29.1	26.4	23.6	20.7	29.8	27	24	20.9		130
135	17.7	17.6			26.7	24.4	22.2	27.9	25.4	22.9	20.3	28.8	26.2	23.3	20.5		135
140					25.7	23.6	21.6	27	24.5	22.2	20	27.7	25.4	22.7	20.1		140
145					24.6	22.8	21	26.1	23.8	21.6	19.6	26.7	24.6	22.1	19.8		145
150					23.6	22.1	20.4	25.2	23.1	21.1	19.3	25.8	23.8	21.5	19.5		150
155					22.7	21.3	19.8	24.3	22.4	20.6	18.9	25	22.9	20.9	19.2		155
160					22	20.7	19.4	23.5	21.8	20.1	18.7	24.3	22.3	20.5	18.9		160
165					21.3	20.1	18.9	22.6	21.1	19.6	18.5	23.6	21.8	20.1	18.6		165
170					20.6	19.6	18.5	21.8	20.5	19.1	18.3	22.9	21.3	19.6	18.4		170
175					19.9	19.1	18.1	21.2	20	18.8	18.1	22.2	20.7	19.2	18.3		175
180					19.2	18.5	17.8	20.7	19.5	18.5	18.1	21.5	20.2	18.8	18.1		180
185					18.7	18.2	17.6	20.1	19.1	18.1	18.1	20.7	19.7	18.5	18		185
190					18.3	17.9	17.4	19.5	18.7	17.8	18	19.9	19.1	18.2	17.9		190
195					17.8	17.6	17.4	18.9	18.2	17.6	18	19.1	18.5	17.9	17.9		195
200					17.5	17.4	17.4	18.4	17.9	17.5	18	18.3	18	17.7	17.9		200
205					12.5			18.1	17.7	17.3		17.5	17.4	17.4	17.9		205
210								17.7	17.5	17.2		16.7	16.9	17	17.4		210
215								17.3	17.3	17.2		15.9	16.3	16.3	17		215
220								13.2	16.3			15.1	15.6	15.6			220
225												14.4	14.8	14.9			225
230												13.7	14	14.2			230
235												11	13.2	13.2			235

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 80

53-279 ft | 80 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
45	54																45
50	52.1				46.9												50
55	50.1				45.5				35.2								55
60	48.2	41.4			44.1				38.4				30.8				60
65	46.4	40.1			42.8				37.2				30.1				65
70	44.9	38.8			41.3	36.4			36.1				29.2				70
75	43.4	37.5	33		39.8	35.4			34.9	32.7			28.3				75
80	41.9	36.3	32.1		38.1	34.4	30.7		33.6	32			27.5	26.5			80
85	40.4	35.3	31.2		36.5	33.5	30		32.2	31.2	18.1		26.6	25.8			85
90	38.8	34.2	30.3		34.8	32.6	29.2		30.7	30.5	27.6		25.6	25			90
95	37.1	33.1	29.4	24.2	33.2	31.8	28.5		29.2	29.6	27.2		24.7	24.3	24		95
100	35.9	32.1	28.5	23.6	31.6	31	27.7	23.1	27.8	28.4	26.9		23.7	23.6	23.3		100
105	34.7	31.2	27.6	23.1	30.2	30.2	27	22.7	26.4	27.3	26.4		22.8	22.9	22.6		105
110	33.5	30.3	26.8	22.6	29.1	29.2	26.2	22.2	25	26.1	25.8	21.5	21.9	22.2	22		110
115	32.3	29.4	26	22.1	27.9	28	25.4	21.8	23.7	25	25.2	21.1	20.9	21.6	21.3	20.3	115
120	31.2	28.5	25.3	21.7	26.7	26.8	24.8	21.4	22.5	23.8	24.6	20.8	19.9	20.9	20.7	20	120
125	30	27.7	24.6	21.2	25.5	25.7	24.1	21	21.6	22.7	24	20.4	18.9	20.2	20.2	19.7	125
130	28.9	26.6	23.9	20.8	24.3	24.7	23.4	20.6	20.7	21.5	23.1	20.1	17.9	19.5	19.6	19.3	130
135	27.7	25.8	23.2	20.5	23.3	23.6	22.8	20.3	19.8	20.3	22	19.8	16.9	18.5	18.9	18.7	135
140	26.6	25	22.6	20.1	22.4	22.6	22.1	19.9	19	19.2	20.8	19.5	16.1	17.6	18.1	18.2	140
145	25.5	24.3	22.1	19.8	21.5	21.7	21.5	19.6	18.2	18.5	19.6	19.2	15.5	16.6	17.3	17.7	145
150	24.3	23.5	21.6	19.5	20.6	20.8	20.8	19.3	17.5	17.7	18.4	19	14.9	15.6	16.5	17.1	150
155	23.2	22.7	21.1	19.2	19.7	20	20	19	16.8	17	17.3	18.4	14.4	14.7	15.6	16.6	155
160	22.1	22	20.6	18.8	18.8	19.1	19.2	18.7	16.1	16.3	16.5	17.6	13.8	13.7	14.8	16	160
165	21.1	21.2	20.1	18.6	17.9	18.3	18.4	18.4	15.4	15.6	15.8	16.8	13.3	13.2	13.9	15.3	165
170	20.2	20.4	19.5	18.4	17.1	17.4	17.6	18	14.6	14.9	15.2	15.8	12.7	12.7	13.1	14.5	170
175	19.3	19.6	18.8	18.2	16.2	16.6	16.8	17.3	13.9	14.2	14.5	14.9	12.2	12.2	12.2	13.7	175
180	18.4	18.7	18.2	18	15.4	15.7	16	16.6	13.2	13.5	13.9	14.1	11.6	11.7	11.8	12.9	180
185	17.5	17.8	17.5	17.5	14.7	15	15.3	15.8	12.5	12.8	13.2	13.5	11.1	11.2	11.4	12	185
190	16.7	16.9	16.9	17	14	14.3	14.5	15.1	11.8	12.1	12.6	12.9	10.6	10.8	10.9	11.2	190
195	15.8	16.1	16.2	16.5	13.3	13.6	13.8	14.3	11.3	11.5	12	12.4	10	10.3	10.5	10.5	195
200	14.9	15.2	15.5	16	12.5	12.9	13	13.6	10.7	10.9	11.5	11.8	9.5	9.8	10.1	10.2	200
205	14.2	14.4	14.8	15.3	11.8	12.2	12.3	12.9	10.2	10.4	11	11.2	9	9.3	9.6	9.9	205
210	13.6	13.8	14	14.5	11.1	11.5	11.5	12.2	9.6	9.9	10.4	10.7	8.5	8.8	9.2	9.6	210
215	12.9	13.1	13.3	13.7	10.5	10.8	11	11.5	9.1	9.3	9.9	10.2	8	8.4	8.7	9.2	215
220	12.2	12.4	12.6	13	9.9	10.2	10.5	10.9	8.5	8.8	9.4	9.7	7.6	7.9	8.2	8.8	220
225	11.6	11.8	11.9	12.3	9.5	9.8	10	10.4	8	8.3	8.9	9.2	7.1	7.5	7.8	8.3	225
230	10.9	11.1	11.4	11.6	9	9.3	9.5	9.8	7.4	7.8	8.4	8.7	6.7	7	7.3	7.8	230
235	10.4	10.6	10.8		8.6	8.8	9	9.3	7	7.3	7.9	8.2	6.2	6.6	6.9	7.3	235
240	9.9	10.1	10.3		8.1	8.4	8.5	8.8	6.6	6.9	7.4	7.7	5.8	6.1	6.4	6.8	240
245	9.5	9.6	9.7		7.7	7.9	8.1	8.2	6.1	6.4	6.9	7.2	5.3	5.7	6	6.4	245
250	9	9.1	9.2		7.3	7.5	7.6		5.7	6	6.4	6.7	5	5.3	5.6	5.9	250
255	6	6.1			6.8	7	7.2		5.3	5.5	5.9	6.1	4.6	4.9	5.1	5.4	255
260					6.4	6.6	6.8		4.9	5.1	5.5	5.6	4.2	4.5	4.7	5	260
265					6	6.1	6.2		4.4	4.6	5.1		3.9	4.1	4.3	4.5	265
270					3.7	5.6			4.1	4.3	4.6		3.5	3.7	3.9	4	270
275									3.8	3.9	4.2		3.1	3.3	3.5	3.5	275
280									3.4	3.6	3.8		2.7	2.9	3.1		280
285									1.7	3.2	3.3		2.4	2.6	2.7		285
290													2.1	2.3	2.3		290
295													1.8	1.9	1.9		295

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 80

53-279 ft   80 ft   295,400 lb   16.4 ft   19.7 ft   23 ft   360°   85%

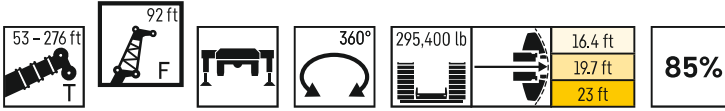
	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*			
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	
65	23.8																			65
70	23.1				16.7				18.3											70
75	22.5				16.2				17.8				14.5				14.2			75
80	21.9				15.7				17.4				14.2				13.9			80
85	21.2	21			15.2				16.9				13.8				13.5			85
90	20.6	20.4			14.7	14.4			16.4	15.9			13.4				13.1			90
95	20	19.8			14.3	14			16	15.5			13	12.9			12.7	12.6		95
100	19.5	19.3	19.2		13.8	13.6			15.5	15.1			12.6	12.5			12.3	12.3		100
105	18.9	18.7	18.7		13.3	13.2	12.9		15.1	14.7	14.3		12.2	12.2			11.9	12		105
110	18.3	18.1	18.1		12.9	12.8	12.5		14.6	14.3	13.9		11.8	11.8	11.8		11.4	11.6	11.6	110
115	17.8	17.6	17.6		12.4	12.4	12.1		14.2	13.9	13.5		11.4	11.4	11.5		11	11.2	11.3	115
120	17.2	17.1	17.1	16.5	11.9	12	11.7		13.8	13.6	13.2		11	11.1	11.1		10.5	10.9	11	120
125	16.6	16.6	16.6	16.2	11.5	11.6	11.4	10.8	13.3	13.2	12.8	11.4	10.6	10.7	10.8		10	10.5	10.6	125
130	15.9	16.1	16.1	15.9	11	11.2	11.1	10.5	12.9	12.8	12.4	11.2	10.2	10.3	10.4	10.1	9.5	10	10.3	130
135	15.2	15.5	15.6	15.5	10.6	10.7	10.7	10.2	12.4	12.4	12.1	11	9.8	10	10.1	9.9	9	9.6	10	135
140	14.5	15	15.1	15.1	10.1	10.3	10.4	10	11.9	12	11.7	10.8	9.4	9.6	9.8	9.7	8.5	9.2	9.6	140
145	13.7	14.3	14.6	14.7	9.7	9.9	10.1	9.7	11.4	11.6	11.3	10.6	9	9.2	9.4	9.4	8	8.7	9.2	145
150	13	13.6	14.1	14.2	9.2	9.5	9.8	9.5	10.9	11.2	11	10.4	8.6	8.8	9.1	9.2	7.5	8.3	8.9	150
155	12.2	13	13.5	13.8	8.8	9.1	9.4	9.2	10.4	10.8	10.6	10.2	8.2	8.5	8.7	9	7	7.8	8.5	155
160	11.5	12.3	13	13.3	8.4	8.7	9	9	9.9	10.3	10.3	10	7.8	8.1	8.4	8.8	6.5	7.3	8.1	160
165	10.7	11.6	12.4	12.8	7.9	8.3	8.6	8.8	9.4	9.9	10.1	9.8	7.4	7.7	8	8.5	6	6.8	7.7	165
170	10.2	11	11.9	12.3	7.5	7.9	8.2	8.5	8.9	9.4	9.8	9.6	6.9	7.4	7.7	8.3	5.5	6.3	7.2	170
175	9.8	10.3	11.3	11.8	7.1	7.5	7.8	8.3	8.3	9	9.5	9.3		7	7.3	7.9		5.8	6.6	175
180	9.4	9.6	10.6	11.3	6.6	7.1	7.5	8	7.8	8.5	9.2	9.1		6.6	7	7.6		5.3	6.1	180
185	9	9.2	9.9	10.7	6.2	6.7	7.1	7.7	7.2	8.1	8.9	8.8		6.2	6.6	7.3			5.5	185
190	8.6	8.8	9.2	10.2	5.8	6.3	6.6	7.3	6.6	7.5	8.4	8.4		5.9	6.2	6.9			5	190
195	8.2	8.4	8.5	9.6	5.3	5.8	6.2	6.9	6	6.9	7.8	8.1		5.4	5.8	6.6			4.4	195
200	7.8	8.1	8.2	9	4.9	5.4	5.8	6.5	5.5	6.3	7.2	7.7		5	5.4	6.2			4	200
205	7.5	7.7	7.9	8.3	4.5	5	5.4	6.1	4.9	5.7	6.6	7.3		4.5	4.9	5.8			3.5	205
210	7.1	7.4	7.6	7.8	4	4.6	5	5.7	4.3	5.1	5.9	7		4	4.5	5.5			2.8	210
215	6.7	7	7.3	7.6		4.1	4.6	5.3		4.5	5.3	6.4		3.4	4	5.1			2.2	215
220	6.3	6.6	6.9	7.3		3.7	4.1	4.8				5.8		2.8	3.4	4.7			1.6	220
225	5.9	6.3	6.6	7			3.7	4.4				5.1		2.1		4.2				225
230	5.5	5.9	6.2	6.7			3.3	4								3.6				230
235	5.2	5.5	5.8	6.3			2.8	3.5								3				235
240	4.8	5.1	5.4	5.9			2.3	3.1												240
245	4.4	4.7	5	5.4			1.8	2.5												245
250	4	4.4	4.6	5				1.9												250
255	3.7	4	4.2	4.6																255
260	3.3	3.6	3.8	4.1																260
265	2.9	3.3	3.5	3.7																265
270	2.6	2.9	3.1	3.3																270
275	2.2	2.6	2.7	2.9																275
280	1.8	2.1	2.3	2.5																280
285		1.7	1.8	1.9																285

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 92



	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
22	84.4																22
24	81.1																24
26	77.7																26
28	74.2																28
30	70.8																30
32	67.8																32
34	65.3				64.8												34
36	63				63.2												36
38	60.7				61.7				58.6								38
40	58.4	52.2			60.2				57.4								40
45	52.6	48			56.3				54.4				52				45
50	48.7	44.3			53.1	44.8			51.4				49.7				50
55	44.9	41	36.2		50.4	42.7			48.8	41.5			47.4				55
60	41.1	37.6	33.7		47.6	40.6			46.6	39.8			45.3	38.3			60
65	37.9	35.1	31.4		44.9	38.7	33.3		44.4	38			43.6	36.8			65
70	35.4	32.7	29.4		42.5	37	32		42.3	36.5	31.5		41.8	35.4			70
75	32.9	30.2	27.5		40.6	35.4	30.6		40.1	35.1	30.4		40.1	34.1	29.7		75
80	30.5	28.3	25.9	22.1	38.8	33.8	29.3		38.6	33.7	29.2		38.4	32.9	28.7		80
85	28	26.7	24.3	21.1	37	32.4	28		37	32.4	28.1		36.8	31.8	27.8		85
90	26.1	25.1	22.9	20.3	35.1	31	26.7	21.5	35.5	31.1	27		35.6	30.7	26.9		90
95	24.6	23.5	21.7	19.4	33.5	29.7	25.7	20.9	34	30	25.9	20.9	34.4	29.6	26		95
100	23.1	22	20.6	18.6	32.1	28.3	24.7	20.3	32.5	28.8	24.9	20.4	33.1	28.6	25	20.3	100
105	21.6	20.8	19.5	17.8	30.8	27	23.7	19.8	31.1	27.7	24.1	19.8	31.9	27.7	24.1	19.8	105
110	20.2	19.8	18.5	17.1	29.4	26	22.8	19.2	30	26.6	23.2	19.3	30.7	26.8	23.3	19.3	110
115	19.2	18.7	17.6	16.5	28.1	25.1	22	18.7	28.9	25.6	22.4	18.8	29.6	25.8	22.6	18.8	115
120	18.2	17.6	16.8	15.9	26.8	24.1	21.3	18.1	27.8	24.7	21.6	18.3	28.5	24.9	21.9	18.3	120
125	17.2	16.8	16	15.4	25.5	23.1	20.5	17.7	26.7	23.9	21	17.8	27.6	24	21.2	17.9	125
130	16.2	16.1	15.4	15	24.3	22.2	19.8	17.2	25.6	23	20.3	17.4	26.7	23.3	20.5	17.5	130
135	15.5	15.3	14.8	14.8	23.4	21.2	19.1	16.8	24.5	22.2	19.7	17.1	25.8	22.6	20	17.1	135
140	14.8	14.7	14.3		22.5	20.4	18.4	16.4	23.5	21.4	19.1	16.7	24.9	21.9	19.4	16.8	140
145	14.2	14.2	14.2		21.6	19.8	17.9	16.1	22.7	20.6	18.5	16.3	23.9	21.2	18.9	16.5	145
150					20.8	19.1	17.4	15.7	21.9	19.9	17.9	16	23	20.5	18.5	16.1	150
155					19.9	18.5	16.9	15.4	21.1	19.3	17.4	15.7	22.2	19.9	18	15.8	155
160					19	17.8	16.4	15.2	20.4	18.7	17	15.4	21.5	19.2	17.5	15.6	160
165					18.3	17.2	15.9	14.9	19.7	18.2	16.5	15.2	20.8	18.5	16.9	15.3	165
170					17.7	16.6	15.5	14.7	18.9	17.6	16.1	15	20.2	18.1	16.5	15.1	170
175					17.2	16.2	15.2	14.6	18.2	17	15.7	14.8	19.6	17.6	16.1	14.9	175
180					16.6	15.7	14.8	14.5	17.6	16.5	15.3	14.6	18.9	17.1	15.7	14.7	180
185					16	15.3	14.5	14.4	17.1	16.1	15	14.4	18.3	16.7	15.4	14.6	185
190					15.4	14.8	14.2	14.4	16.6	15.7	14.7	14.4	17.7	16.2	15	14.4	190
195					15	14.5	14	14.4	16.1	15.3	14.5	14.4	17.1	15.8	14.8	14.3	195
200					14.6	14.3	13.9		15.6	14.9	14.2	14.3	16.5	15.4	14.5	14.2	200
205					14.2	14	13.8		15.1	14.6	14	14.3	16	15.1	14.3	14.2	205
210					13.9	13.8	13.8		14.7	14.3	13.9	14.3	15.4	14.8	14.1	14.2	210
215					13.8	13.8			14.4	14	13.7		14.9	14.5	13.8	14.2	215
220									14.1	13.9	13.6		14.3	14.2	13.6	14.2	220
225									13.8	13.7	13.6		13.8	13.9	13.3	14.2	225
230									12.9	13.7			13.1	13.4	13		230
235													12.5	12.7	12.6		235
240													11.8	12	12.2		240
245													10.6	11.4	11.5		245
250													6.5	5.2			250

\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 92

53-276 ft | 92 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

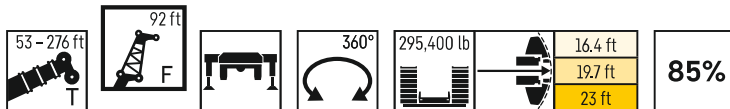
	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
50	45.9																50
55	44.2				39.9												55
60	42.5				38.7				34.3				24.1				60
65	40.9	35			37.5				33.5				26.6				65
70	39.4	33.9			36.3	31.5			32.7				25.9				70
75	38.1	32.8			35.1	30.8			31.8				25.2				75
80	36.8	31.7	27.8		34	30			31	27.7			24.5				80
85	35.5	30.7	27.4		32.9	29.1			29.9	27			23.7	23.2			85
90	34.2	29.8	27		31.8	28.3	26.1		28.6	26.4			23	22.6			90
95	32.9	28.9	26.4		30.6	27.6	25.4		27.3	25.7	23.9		22.3	21.9			95
100	31.7	28	25.6		29.5	26.9	24.8		26	25	23.4		21.6	21.3	20.9		100
105	30.7	27.1	24.8	19.5	28.2	26.2	24.1		24.7	24.3	22.8		20.8	20.6	20.4		105
110	29.7	26.3	24	19.1	26.9	25.5	23.4	18.7	23.5	23.5	22.2		20.1	20	19.8		110
115	28.8	25.6	23.3	18.6	25.8	24.8	22.8	18.3	22.2	22.8	21.6	10.4	19.4	19.5	19.3		115
120	27.9	24.8	22.6	18.2	24.8	23.8	22.1	17.9	21.1	22	21.1	17.4	18.7	18.9	18.7		120
125	27	24	22	17.8	23.7	22.9	21.5	17.5	20	21.2	20.6	17.1	17.8	18.3	18.2	16.4	125
130	26.1	23.3	21.4	17.5	22.7	22.1	21	17.2	18.9	20.3	20.1	16.8	17	17.8	17.6	16.2	130
135	25.2	22.5	20.8	17.1	21.6	21.4	20.4	16.9	18.1	19.3	19.5	16.5	16.1	17.2	17.1	15.9	135
140	24.3	21.6	20.2	16.7	20.7	20.7	19.9	16.6	17.4	18.2	18.8	16.2	15.1	16.4	16.6	15.7	140
145	23.3	21	19.6	16.4	19.8	20	19.4	16.3	16.6	17.1	18	15.9	14.2	15.5	16	15.4	145
150	22.5	20.5	19.1	16.1	19	19.2	18.8	16	15.9	16.3	17.2	15.7	13.4	14.7	15.3	15.2	150
155	21.6	19.9	18.6	15.9	18.3	18.5	18.2	15.8	15.3	15.7	16.4	15.4	12.8	13.8	14.6	14.9	155
160	20.7	19.4	18.1	15.6	17.5	17.7	17.4	15.5	14.6	15.2	15.7	15.2	12.3	13	13.9	14.4	160
165	19.7	18.8	17.7	15.4	16.7	17	16.8	15.3	14	14.6	14.8	14.8	11.8	12.1	13.2	13.9	165
170	18.9	18.3	17.3	15.1	15.9	16.2	16.2	15.1	13.4	14	13.9	14.3	11.3	11.3	12.4	13.4	170
175	18.1	17.7	16.8	15	15.1	15.4	15.6	14.9	12.7	13.4	13.3	13.8	10.9	10.8	11.7	12.8	175
180	17.3	17.1	16.3	14.8	14.3	14.7	15	14.5	12.1	12.8	12.8	13.2	10.4	10.4	10.9	12.2	180
185	16.5	16.4	15.8	14.6	13.6	13.9	14.3	14.1	11.5	12.2	12.3	12.6	9.9	10	10.2	11.5	185
190	15.7	15.7	15.4	14.4	12.9	13.2	13.7	13.6	10.8	11.6	11.7	11.9	9.4	9.6	9.7	10.8	190
195	14.9	15	14.9	14.2	12.3	12.6	13.1	13.2	10.2	11	11.2	11.3	8.9	9.1	9.3	10.1	195
200	14.1	14.2	14.4	14	11.8	12	12.5	12.7	9.6	10.4	10.7	10.9	8.5	8.7	9	9.4	200
205	13.3	13.5	13.9	13.8	11.1	11.4	11.9	12.2	9.1	9.8	10.2	10.5	8	8.3	8.6	8.9	205
210	12.6	12.8	13.3	13.6	10.5	10.9	11.3	11.7	8.6	9.3	9.7	10.1	7.5	7.9	8.3	8.6	210
215	12	12.2	12.7	13.1	10	10.3	10.7	11.1	8.1	8.8	9.2	9.7	7.1	7.5	7.9	8.2	215
220	11.5	11.7	12.1	12.4	9.4	9.7	10.1	10.5	7.6	8.3	8.7	9.2	6.6	7.1	7.4	7.9	220
225	10.9	11.1	11.5	11.7	8.8	9.2	9.6	10	7.1	7.8	8.2	8.7	6.2	6.6	7	7.6	225
230	10.4	10.6	10.9	11	8.3	8.7	9.1	9.4	6.6	7.4	7.8	8.3	5.8	6.2	6.6	7.2	230
235	9.9	10	10.3	10.5	7.8	8.2	8.6	8.9	6.1	6.9	7.3	7.8	5.4	5.8	6.1	6.7	235
240	9.3	9.5	9.8	9.9	7.4	7.7	8.2	8.4	5.6	6.4	6.8	7.3	5	5.4	5.7	6.3	240
245	8.9	9	9.3		6.9	7.3	7.7	7.9	5.2	5.9	6.3	6.8	4.6	5	5.3	5.8	245
250	8.5	8.6	8.9		6.5	6.8	7.2	7.4	4.8	5.5	5.9	6.2	4.2	4.6	4.9	5.3	250
255	8	8.2	8.4		6	6.3	6.8	6.9	4.4	5.1	5.4	5.7	3.8	4.1	4.5	4.9	255
260	7.6	7.7	7.9		5.6	5.9	6.3		4.1	4.7	4.9	5.2	3.4	3.7	4.1	4.4	260
265	4.5	6.3			5.2	5.4	5.8		3.7	4.3	4.5	4.7	3	3.4	3.7	4	265
270					4.8	5	5.4		3.3	3.8	4	4.2	2.7	3	3.3	3.5	270
275					4.4	4.6	4.8		2.9	3.4	3.6		2.3	2.7	2.9	3.1	275
280					2.2	4.2	4.3		2.6	3.1	3.2		1.8	2.2	2.4	2.6	280
285									2.3	2.7	2.8			1.7	1.9	2	285
290									2	2.4	2.4						290
295										2	1.9						295

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 92



	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*		
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	
65	18														65
70	20.7														70
75	20.1				15.6										75
80	19.6				15.3				12.3				12.1		80
85	19				14.9				12				11.7		85
90	18.4	18.3			14.5				11.6				11.4		90
95	17.9	17.8			14.1	13.4			11.3				11		95
100	17.4	17.2			13.7	13.1			10.9	10.9			10.6	10.6	100
105	16.9	16.7	12.8		13.3	12.8			10.6	10.5			10.3	10.3	105
110	16.4	16.2	16.3		12.9	12.4	11.9		10.2	10.2			9.9	10	110
115	15.9	15.7	15.8		12.5	12.1	11.6		9.9	9.9			9.5	9.7	115
120	15.4	15.2	15.3		12.1	11.7	11.3		9.5	9.6	9.5		9.1	9.4	120
125	14.9	14.8	14.8		11.7	11.4	11.1		9.1	9.2	9.2		8.6	9.1	125
130	14.3	14.3	14.4	13.1	11.3	11.1	10.8		8.8	8.9	9		8.2	8.7	130
135	13.7	13.9	13.9	12.9	10.8	10.8	10.5	9.2	8.4	8.6	8.7		7.8	8.3	135
140	13.1	13.4	13.5	12.7	10.4	10.4	10.2	9.1	8	8.2	8.4		7.3	7.9	140
145	12.4	12.9	13.1	12.4	10	10.1	9.9	8.9	7.7	7.9	8.1	8.2	6.9	7.5	145
150	11.8	12.4	12.6	12.2	9.5	9.8	9.6	8.7	7.3	7.6	7.8	8	6.4	7.2	150
155	11.1	11.8	12.2	11.9	9.1	9.4	9.4	8.6	6.9	7.2	7.5	7.8	6	6.8	155
160	10.4	11.2	11.7	11.7	8.6	9	9.1	8.4	6.6	6.9	7.2	7.5	5.5	6.3	160
165	9.8	10.6	11.2	11.4	8.2	8.7	8.8	8.3	6.2	6.6	6.9	7.3	5	5.9	165
170	9.1	10	10.8	11	7.7	8.3	8.5	8.1	5.8	6.2	6.6	7.1	4.5	5.5	170
175	8.5	9.4	10.3	10.7	7.2	7.9	8.2	8	5.5	5.9	6.2	6.8	4	5	175
180	8.1	8.9	9.8	10.3	6.8	7.5	8	7.8		5.6	5.9	6.6		4.5	180
185	7.8	8.3	9.3	9.9	6.3	7.1	7.7	7.6		5.2	5.6	6.3		4	185
190	7.4	7.6	8.7	9.4	5.8	6.7	7.4	7.5			5.2	6		3.5	190
195	7.1	7.2	8	8.9	5.2	6.2	7.1	7.2			4.9	5.7			195
200	6.7	6.9	7.4	8.4	4.7	5.7	6.6	6.8			4.6	5.3			200
205	6.4	6.6	6.8	7.9	4.2	5.2	6.1	6.5			4.2	5			205
210	6	6.3	6.5	7.4	3.6	4.6	5.5	6.1			3.8	4.7			210
215	5.6	5.9	6.2	6.8	2.9	4	4.9	5.8			3.3	4.3			215
220	5.3	5.6	5.9	6.3	2.2	3.5	4.3	5.4			2.7				220
225	4.9	5.3	5.6	6		2.8		4.9			2.2				225
230	4.6	5	5.2	5.7		2.1		4.4			1.6				230
235	4.3	4.6	4.9	5.4				3.8							235
240	3.9	4.3	4.5	5.1											240
245	3.6	3.9	4.2	4.8											245
250	3.2	3.6	3.8	4.4											250
255	2.9	3.2	3.5	4											255
260	2.4	2.9	3.1	3.6											260
265			2.8	3.2											265
270			2.3	2.8											270
275			1.8	2.3											275
280				1.7											280

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 103

53-279 ft | 103 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
24	73.1																24
26	70.6																26
28	67.8																28
30	65.1																30
32	62.4																32
34	59.8																34
36	57.6				55.9												36
38	55.8				54.6				52.7								38
40	53.9				53.4				51.7								40
45	49.3	44			50.2				49.1				45.9				45
50	45	40.8			47.2				46.6				44				50
55	41.8	37.8			44.8	38			44.2				42.1				55
60	38.7	35.1	31.1		42.5	36.3			42.2	35.3			40.1				60
65	35.6	32.3	29		40.2	34.6			40.3	33.9			38.6	32.7			65
70	33	30.2	27.1		38	33			38.5	32.4			37.1	31.5			70
75	30.9	28.2	25.4		36.1	31.7	27.5		36.6	31.1	27.8		35.7	30.3			75
80	28.8	26.2	23.8		34.6	30.3	27		34.9	30	26.9		34.2	29.1	26.3		80
85	26.8	24.5	22.4		33.1	28.9	26.1		33.6	28.8	26		32.8	28.2	25.6		85
90	24.7	23.1	21.1	18	31.6	27.7	25		32.3	27.7	25.1		31.5	27.3	24.7		90
95	22.9	21.8	19.8	17.2	30	26.6	23.9		31	26.6	24.1		30.4	26.3	23.9		95
100	21.6	20.4	18.7	16.5	28.7	25.4	22.9	17.5	29.7	25.6	23.1		29.4	25.4	23.1		100
105	20.4	19.1	17.8	15.8	27.4	24.3	22	17	28.5	24.7	22.2	17.1	28.4	24.5	22.2		105
110	19.1	18	16.9	15.2	26.3	23.1	21.2	16.6	27.3	23.7	21.4	16.7	27.3	23.7	21.4	16.6	110
115	17.9	17.1	16	14.6	25.2	22.2	20.3	16.1	26.3	22.7	20.7	16.2	26.3	22.9	20.7	16.2	115
120	16.8	16.2	15.1	14	24.1	21.4	19.5	15.7	25.4	21.8	19.9	15.8	25.3	22.1	20	15.8	120
125	15.9	15.3	14.5	13.5	23	20.6	18.8	15.2	24.4	21	19.2	15.4	24.5	21.3	19.4	15.4	125
130	15.1	14.5	13.8	13	21.9	19.8	18.2	14.8	23.5	20.3	18.5	15	23.7	20.5	18.8	15	130
135	14.2	13.8	13.1	12.6	20.8	19	17.6	14.5	22.5	19.6	18	14.6	22.9	19.8	18.2	14.7	135
140	13.4	13.2	12.6	12.2	19.9	18.1	16.9	14.1	21.6	18.9	17.4	14.3	22.1	19.2	17.6	14.3	140
145	12.8	12.5	12.1	12	19.2	17.4	16.3	13.7	20.6	18.2	16.9	13.9	21.3	18.6	17.1	14	145
150	12.2	12	11.7	12	18.5	16.8	15.7	13.4	19.8	17.5	16.3	13.6	20.5	18	16.6	13.7	150
155	11.6	11.6	11.6		17.7	16.2	15.3	13.1	19.1	16.9	15.8	13.3	19.8	17.4	16.2	13.4	155
160					17	15.7	14.8	12.8	18.5	16.3	15.3	13	19	16.8	15.7	13.1	160
165					16.3	15.1	14.4	12.5	17.8	15.8	14.9	12.8	18.2	16.2	15.2	12.9	165
170					15.6	14.5	13.9	12.3	17.2	15.3	14.5	12.5	17.7	15.7	14.8	12.7	170
175					15	14	13.5	12.1	16.5	14.8	14.1	12.3	17.1	15.2	14.4	12.4	175
180					14.5	13.6	13.1	11.9	15.9	14.4	13.7	12.1	16.6	14.8	14	12.3	180
185					14	13.2	12.8	11.8	15.2	13.9	13.3	12	16	14.4	13.7	12.1	185
190					13.5	12.8	12.5	11.7	14.8	13.4	13	11.8	15.5	14	13.4	11.9	190
195					13	12.5	12.2	11.6	14.3	13.1	12.7	11.7	15	13.6	13.1	11.8	195
200					12.5	12.1	11.9	11.6	13.9	12.8	12.4	11.6	14.5	13.2	12.7	11.7	200
205					12.2	11.8	11.7	11.6	13.5	12.4	12.2	11.6	14	12.8	12.5	11.6	205
210					11.8	11.5	11.6	11.6	13	12.1	11.9	11.6	13.7	12.5	12.2	11.5	210
215					11.5	11.3	11.4		12.6	11.8	11.7	11.6	13.3	12.3	12	11.5	215
220					11.2	11.1	11.4		12.2	11.5	11.6	11.6	13	12	11.8	11.5	220
225					11.1	11.1			11.9	11.4	11.4	11.6	12.6	11.8	11.6	11.5	225
230									11.7	11.2	11.3		12.3	11.5	11.4	11.5	230
235									11.4	11.1	11.3		11.9	11.3	11.3	11.5	235
240									11.2	11	11.3		11.4	11	11.2		240
245									6.2				10.9	10.7	11.1		245
250													10.4	10.4	10.9		250
255													9.9	10.1	10.3		255
260													6.3	8			260

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 103

53-279 ft | 103 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
50	40.5																50
55	39.1				35.3												55
60	37.6				34.3				30.1								60
65	36.2				33.2				29.6				24.3				65
70	34.8	29.9			32.1				28.8				23.6				70
75	33.7	29			31.1	27.7			28.1				23				75
80	32.6	28			30.2	27.1			27.3				22.3				80
85	31.5	27.1			29.3	26.4			26.6	24.4			21.7				85
90	30.4	26.2	24		28.5	25.7			25.7	23.8			21.1	20.6			90
95	29.2	25.5	23.3		27.7	25	22.3		24.7	23.3			20.4	20.1			95
100	28.2	24.7	22.6		26.8	24.4	21.7		23.8	22.7	20.5		19.8	19.5			100
105	27.4	24	21.9		25.9	23.8	21.1		22.9	22.1	20		19.2	18.9	11.4		105
110	26.6	23.2	21.2		24.9	23.2	20.5		22	21.6	19.4		18.6	18.3	18.1		110
115	25.8	22.5	20.5	16	23.9	22.6	19.9		21	21.1	18.9		18	17.8	17.6		115
120	25	21.8	19.8	15.6	22.9	22	19.3	15.3	20.1	20.6	18.4		17.4	17.3	17.1		120
125	24.2	21.2	19.2	15.3	22	21.3	18.8	15	19.1	20.1	17.9	14.4	16.8	16.8	16.6		125
130	23.3	20.5	18.7	14.9	21.2	20.6	18.2	14.7	18.1	19.5	17.5	14.2	16.1	16.3	16.1		130
135	22.5	19.8	18.2	14.6	20.3	19.9	17.7	14.4	17.1	18.9	17	13.9	15.3	15.8	15.7	13.4	135
140	21.8	19.2	17.6	14.3	19.5	19.2	17.3	14	16.1	18	16.6	13.7	14.5	15.3	15.2	13.2	140
145	21.1	18.5	17.1	14	18.7	18.6	16.8	13.8	15.5	17.1	16.1	13.4	13.7	14.7	14.7	13	145
150	20.4	17.8	16.6	13.6	17.9	18.1	16.4	13.5	14.9	16.1	15.6	13.2	12.9	14	14.2	12.8	150
155	19.8	17.3	16.2	13.4	17.2	17.5	15.9	13.3	14.3	15.2	15.1	12.9	12.1	13.2	13.7	12.6	155
160	19.1	16.9	15.8	13.1	16.5	16.9	15.5	13	13.7	14.3	14.6	12.7	11.3	12.5	13.2	12.4	160
165	18.4	16.4	15.4	12.9	15.8	16.2	14.9	12.8	13.1	13.4	14.1	12.6	10.8	11.7	12.6	12.2	165
170	17.8	15.9	15	12.7	15.1	15.5	14.4	12.6	12.5	12.9	13.6	12.4	10.3	11	12	11.9	170
175	17.1	15.4	14.6	12.5	14.4	14.9	14	12.4	11.9	12.4	12.9	12.1	9.9	10.3	11.3	11.6	175
180	16.4	15	14.2	12.3	13.7	14.2	13.6	12.2	11.4	11.9	12.1	11.8	9.5	9.7	10.7	11.3	180
185	15.7	14.5	13.8	12.1	13	13.5	13.2	12.1	10.8	11.4	11.4	11.5	9.1	9.3	10.1	10.9	185
190	15	14	13.4	12	12.3	12.9	12.7	11.8	10.2	10.9	10.9	11.2	8.7	8.9	9.4	10.5	190
195	14.3	13.5	13.1	11.8	11.6	12.2	12.3	11.6	9.7	10.4	10.5	10.9	8.2	8.5	8.7	9.9	195
200	13.6	13	12.9	11.7	11.1	11.6	11.9	11.4	9.1	9.9	10.1	10.4	7.8	8.1	8.3	9.3	200
205	12.9	12.5	12.6	11.5	10.6	11	11.4	11.2	8.5	9.4	9.7	9.9	7.4	7.7	8	8.7	205
210	12.2	12	12.3	11.5	10	10.5	10.9	11	8	8.8	9.3	9.5	7	7.3	7.6	8.2	210
215	11.4	11.5	12	11.4	9.5	10.1	10.4	10.7	7.6	8.4	8.8	9.2	6.5	6.9	7.3	7.7	215
220	10.8	11.1	11.7	11.3	9	9.6	9.9	10.3	7.1	7.9	8.3	8.8	6.1	6.5	6.9	7.4	220
225	10.4	10.6	11.1	11.1	8.4	9.1	9.5	9.8	6.7	7.5	7.9	8.5	5.7	6.2	6.6	7	225
230	9.9	10.1	10.6	10.7	7.9	8.6	9	9.4	6.2	7	7.4	8.1	5.3	5.8	6.2	6.7	230
235	9.5	9.7	10.1	10.3	7.4	8.1	8.5	8.9	5.8	6.6	6.9	7.6	5	5.4	5.8	6.4	235
240	9.1	9.3	9.6	9.9	6.9	7.6	8	8.4	5.3	6.1	6.5	7.1	4.6	5	5.4	6	240
245	8.6	8.8	9.1	9.4	6.5	7.2	7.5	7.9	4.9	5.7	6	6.6	4.2	4.6	5	5.6	245
250	8.2	8.4	8.7	8.9	6.1	6.7	7	7.4	4.4	5.2	5.6	6.1	3.9	4.3	4.6	5.2	250
255	7.8	7.9	8.3		5.7	6.3	6.6	6.9	4.1	4.8	5.2	5.6	3.5	3.9	4.2	4.7	255
260	7.4	7.5	7.9		5.3	5.9	6.1	6.4	3.7	4.4	4.7	5.2	3.1	3.5	3.8	4.3	260
265	6.9	7.1	7.5		4.9	5.4	5.6	5.8	3.4	4	4.3	4.7	2.7	3.1	3.4	3.9	265
270	6.5	6.7	6.9		4.5	5	5.2		3	3.7	3.9	4.2	2.3	2.8	3.1	3.5	270
275	4.1	6.3			4.1	4.6	4.8		2.6	3.3	3.5	3.7	1.8	2.4	2.7	3	275
280					3.8	4.2	4.4		2.3	2.9	3.1	3.2		1.9	2.2	2.6	280
285					3.4	3.8	3.9		1.8	2.5	2.7			1.7	2		285
290					2.9	3.4	3.3			2.1	2.3						290
295										1.6	1.8						295

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TF 103

53-279 ft, 103 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*		
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	
70	18.8														70
75	18.3				13.8										75
80	17.8				13.5				10.9						80
85	17.3				13.2				10.6				10.2		85
90	16.8				12.8				10.3				9.9		90
95	16.3	16.1			12.5				10				9.7		95
100	15.8	15.7			12.1	11.6			9.7				9.4		100
105	15.3	15.2			11.8	11.3			9.4	9.2			9.1	9	105
110	14.9	14.8	10.8		11.4	11			9	9			8.8	8.8	110
115	14.4	14.3	14.2		11.1	10.7			8.7	8.7			8.5	8.5	115
120	14	13.9	13.8		10.7	10.4	9.9		8.4	8.4			8.1	8.3	120
125	13.5	13.5	13.4		10.4	10.1	9.7		8.1	8.2	8		7.7	8	125
130	13.1	13	13		10.1	9.8	9.4		7.8	7.9	7.8		7.4	7.7	130
135	12.6	12.6	12.6		9.7	9.5	9.2		7.4	7.6	7.6		7	7.4	135
140	12.1	12.2	12.3	10.7	9.4	9.2	8.9		7.1	7.3	7.3		6.6	7.1	140
145	11.5	11.8	11.9	10.6	9	8.9	8.7	7.6	6.8	7	7.1		6.2	6.7	145
150	10.9	11.4	11.5	10.4	8.6	8.7	8.4	7.5	6.5	6.7	6.9		5.8	6.4	150
155	10.3	10.9	11.1	10.2	8.2	8.4	8.2	7.3	6.1	6.4	6.6	6.7	5.4	6	155
160	9.8	10.4	10.7	10.1	7.8	8.1	8	7.2	5.8	6.1	6.3	6.5	4.9	5.7	160
165	9.2	9.9	10.3	10	7.4	7.8	7.7	7.1	5.5	5.8	6.1	6.3	4.5	5.3	165
170	8.6	9.4	10	9.8	7	7.5	7.5	6.9	5.1	5.5	5.8	6.1	4	5	170
175	8	8.9	9.6	9.6		7.1	7.2	6.8	4.8	5.2	5.5	5.9	3.5	4.6	175
180	7.4	8.4	9.2	9.4		6.8	7	6.7	4.5	4.9	5.3	5.7	2.8	4.1	180
185	6.9	7.9	8.8	9.2		6.4	6.7	6.6		4.6	5	5.6		3.6	185
190	6.6	7.4	8.3	9		6.1	6.5	6.4		4.3	4.7	5.3		3.1	190
195	6.3	6.8	7.9	8.7		5.7	6.3	6.3		4	4.4	5.1		2.4	195
200	6	6.2	7.3	8.3		5.4	6	6.2				4.8			200
205	5.7	5.9	6.7	7.8		4.9	5.7	6				4.5			205
210	5.3	5.6	6.1	7.3		4.5	5.3	5.7				4.3			210
215	5	5.3	5.5	6.8		4	4.8	5.4				4			215
220	4.7	5	5.2	6.3		3.5	4.3	5.1				3.7			220
225	4.4	4.7	4.9	5.7		2.8	3.8	4.7				3.3			225
230	4.1	4.4	4.7	5.1		2.1	3.2	4.4							230
235	3.7	4.1	4.4	4.9				4							235
240	3.4	3.8	4.1	4.6				3.5							240
245	3.1	3.5	3.8	4.3				2.8							245
250	2.7	3.2	3.5	4											250
255	2.3	2.9	3.1	3.7											255
260	1.9	2.5	2.8	3.4											260
265		2	2.4	3											265
270		1.6		2.6											270
275				2.1											275
280				1.6											280

\* adapter - piece d'adaptateur













# Lifting capacities

## Forces de levage

TF 138

53-279 ft | 138 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*		279 ft + 7.5 ft	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	0°	
60	24.5																						60	
65	23.8																						65	
70	23				20.3																		70	
75	22.3				19.7				16.6														75	
80	21.6				19.2				16.1				12.2										80	
85	20.9				18.7				15.6				11.9				8.2						85	
90	20.3	17.6			18.1				15.2				11.5				7.9				4.1		3.5	90
95	19.7	17.1			17.6				14.7				11.2				7.7				4.1		3.4	95
100	19.1	16.6			17.2	15.2			14.2				10.8				7.4				4.1		3.4	100
105	18.5	16.1			16.8	14.8			13.8	13.3			10.5				7.1				4.1		3.4	105
110	17.9	15.6			16.3	14.4			13.4	13			10.1	9.9			6.9				4		3.4	110
115	17.4	15.1	13.2		15.9	14			12.9	12.6			9.8	9.7			6.6	6.1			3.9		3.4	115
120	16.8	14.7	12.7		15.5	13.6	11.9		12.5	12.3			9.4	9.4			6.3	5.9			3.9		3.4	120
125	16.2	14.2	12.3		15	13.2	11.5		12.1	11.9			9.1	9.1			6.1	5.7			3.8	3.7	3.4	125
130	15.6	13.8	11.8		14.6	12.8	11.2		11.7	11.5	10.4		8.7	8.8			5.9	5.5			3.6	3.6	3.2	130
135	15	13.4	11.5		14.1	12.5	10.9		11.3	11.1	10.2		8.4	8.5	5.1		5.6	5.3			3.3	3.3	3	135
140	14.5	12.9	11.1		13.4	12.1	10.6		10.8	10.8	10		8.1	8.2	7.7		5.4	5.1	4.4		3.1	3.1	2.6	140
145	14.1	12.6	10.8		12.7	11.7	10.3		10.3	10.4	9.7		7.7	7.9	7.6		5.2	4.9	4.3		2.8	2.9	2.3	145
150	13.6	12.2	10.5	8.3	11.9	11.3	10		9.8	10	9.5		7.4	7.5	7.4		4.9	4.7	4.2		2.5	2.7	2	150
155	13.2	11.8	10.1	8.1	11.2	10.9	9.8	7.9	9.2	9.7	9.2		7	7.2	7.2		4.7	4.5	4		2.2	2.5	1.7	155
160	12.7	11.4	9.9	7.9	10.4	10.5	9.5	7.7	8.6	9.3	9		6.6	6.9	7		4.5	4.3	3.8			2.2		160
165	12.2	11.1	9.6	7.8	9.7	10	9.3	7.5	8	8.9	8.8	7.3	6.2	6.6	6.7		4.2	4.1	3.6			2		165
170	11.8	10.7	9.4	7.6	9.2	9.6	9.1	7.4	7.4	8.4	8.5	7.2	5.7	6.3	6.4	2.9	3.8	3.8	3.4			1.8		170
175	11.3	10.3	9.1	7.4	8.8	9.1	8.8	7.3	6.4	7.9	8.3	7.1	5.3	6	6.2	5.5	3.4	3.6	3.3			1.6		175
180	10.8	9.9	8.9	7.3	8.4	8.6	8.6	7.1	6.1	7.4	8	6.9	4.9	5.6	5.9	5.4	3	3.3	3.1	2.4				180
185	10.3	9.4	8.7	7.2	8	8.2	8.4	7	5.8	6	7.6	6.8		5.3	5.6	5.3	2.6	3.1	2.9	2.3				185
190	9.8	9.1	8.3	7	7.5	7.8	8.2	6.9	5.4	5.6	7.2	6.7		4.9	5.4	5.2	2.2	2.8	2.7	2.2				190
195	9.3	8.8	8.1	6.9	7.1	7.4	8	6.8	5.1	5.3	6.8	6.6		4.5	5.1	5.1	1.8	2.4	2.5	2				195
200	8.8	8.5	7.9	6.8	6.7	7	7.7	6.7	4.8	5	6.4	6.5		4.1	4.8	5		2.1	2.3	2				200
205	8.3	8.1	7.8	6.7	6.3	6.6	7.4	6.5	4.5	4.7	6	6.4		4.5	4.9			1.8	2.1	1.9				205
210	7.8	7.8	7.6	6.6	5.9	6.3	6.7	6.4	4.2	4.4	5.6	6.3			2.2	4.7			1.9	1.8				210
215	7.3	7.5	7.4	6.5	5.5	5.9	6.2	6.2	3.8	4.1	5.1	6.2			2	4.5			1.7	1.7				215
220	6.8	7.2	7.2	6.4	5	5.5	5.9	6	3.5	3.8	4.5	6.1			1.8	4.3				1.6				220
225	6.4	6.9	7.1	6.2	4.6	5.2	5.5	5.8	3.2	3.6	4	5.6			1.6	4.1								225
230	6	6.5	6.9	6.1	4.2	4.8	5.2	5.7		3.3	3.6	5.1										3.9		230
235	5.6	6.1	6.5	6.1	3.8	4.4	4.9	5.5		2.9	3.4	4.6										3.5		235
240	5.2	5.7	6.1	6	3.5	4	4.6	5.2		2.6	3.1	4.1										3.1		240
245	4.8	5.3	5.7	6	3.1	3.7	4.2	4.9		2.2		3.5										2.6		245
250	4.3	4.9	5.3	5.9	2.7	3.3	3.8	4.6				3.1												250
255	3.9	4.5	4.9	5.5	2.3	2.9	3.5	4.2				2.9												255
260	3.5	4.1	4.5	5.1	1.8	2.5	3.1	3.9				2.6												260
265	3.1	3.7	4.1	4.8		2	2.7	3.5				2.2												265
270	2.8	3.3	3.7	4.4		1.6		3.1				1.8												270
275	2.4	2.9	3.3	4				2.7																275
280	2	2.5	2.9	3.5				2.2																280
285	1.6	2.1	2.5	3				1.6																285
290		1.6	2	2.5																				290
295				1.9																				295

\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 149

53-276 ft | 149 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*	
	0°	10°	20°	40°	0°	10°	20°	40°	149 ft				0°	10°	20°	40°	0°	10°	20°	0°		
65	21.1																				65	
70	20.5				17.9																70	
75	19.9				17.5					12.6											75	
80	19.2				17					14.5				8.1							80	
85	18.6				16.5					14.1				10.5							85	
90	18				16					13.7				10.2				6.6		2.6	90	
95	17.5	15.1			15.6					13.3				9.9				6.4		2.6	95	
100	17	14.6			15.2					12.8				9.6				6.2		2.5	100	
105	16.4	14.2			14.8	12.9				12.4				9.2				5.9		2.5	105	
110	15.9	13.7			14.4	12.6				12	11.3			8.9				5.7		2.5	110	
115	15.4	13.3			14	12.2				11.6	11.1			8.6	5.4			5.4		2.4	115	
120	14.9	12.9	11.1		13.6	11.9				11.3	10.8			8.3	8			5.2	4.4	2.4	120	
125	14.4	12.5	10.8		13.2	11.5				10.9	10.5			8	7.8			5	4.2	2.4	125	
130	13.9	12.1	10.5		12.8	11.3	9.9			10.5	10.3			7.7	7.6			4.7	4.1	2.3	130	
135	13.5	11.7	10.2		12.5	11	9.7			10.1	10	7		7.4	7.4			4.5	3.9	2.2	135	
140	13	11.4	9.9		12	10.7	9.4			9.7	9.7	8.8		7.1	7.1	3.5		4.3	3.7	2	140	
145	12.6	11	9.6		11.4	10.4	9.1			9.4	9.3	8.5		6.8	6.9	6.2		4	3.5	1.8	145	
150	12.1	10.7	9.3		10.8	10.1	8.9			8.9	9	8.3		6.5	6.6	6		3.8	3.3	2.6	150	
155	11.7	10.4	9		10.2	9.8	8.6			8.4	8.7	8.1		6.1	6.3	5.9		3.5	3.1	2.5	155	
160	11.3	10.1	8.7	6.9	9.6	9.5	8.4			7.9	8.3	7.9		5.8	6.1	5.7		3.3	2.9	2.3	160	
165	10.9	9.8	8.5	6.7	9	9.1	8.2	6.5		7.4	8	7.7		5.5	5.8	5.5		3	2.7	2.2	165	
170	10.5	9.5	8.3	6.5	8.4	8.7	8	6.4		6.9	7.6	7.5		5.1	5.5	5.4		2.8	2.5	2	170	
175	10.1	9.2	8	6.4	7.9	8.3	7.8	6.2		6.3	7.2	7.3	6	4.7	5.2	5.2		2.4	2.3	1.9	175	
180	9.7	8.9	7.8	6.2	7.6	8	7.6	6.1		5.8	6.8	7.1	5.9	4.3	4.9	5		2.1	2.1	1.8	180	
185	9.3	8.6	7.6	6.1	7.2	7.6	7.4	6		5	6.4	6.8	5.8	3.9	4.6	4.8	4.2	1.8	1.9	1.7	185	
190	8.9	8.2	7.4	6	6.8	7.2	7.2	5.8		4.7	5.9	6.6	5.7		4.3	4.6	4.1		1.8	1.6	190	
195	8.4	7.9	7.2	5.8	6.4	6.7	7	5.7		4.4	5.5	6.2	5.6		4	4.4	4		1.6		195	
200	8	7.6	6.9	5.7	6.1	6.3	6.8	5.6		4.1	5	5.9	5.5		3.6	4.1	3.9				200	
205	7.6	7.3	6.7	5.6	5.7	5.9	6.6	5.5		3.8	4.1	5.5	5.3		3.2	3.9	3.9				205	
210	7.2	7	6.6	5.5	5.3	5.6	6.4	5.4		3.5	3.8	5.1	5.3		2.8	3.6	3.8				210	
215	6.8	6.7	6.4	5.4	4.9	5.3	6	5.3		3.2	3.5	3.7	5.2			3.4	3.7				215	
220	6.4	6.5	6.3	5.3	4.6	5	5.4	5.2		2.8	3.2	3.5	5.1				3.5				220	
225	5.9	6.2	6.1	5.2		4.6	4.9	5		2.4	2.9	3.2	5				3.4				225	
230	5.5	5.9	5.9	5.1		4.3	4.6	4.9		2	2.5	3	4.9				3.2				230	
235	5.2	5.6	5.8	5		4	4.3	4.7		1.7	2.2	2.7	4.5				3.1				235	
240	4.8	5.3	5.6	4.9		3.7	4.1	4.5			1.9	2.3	4.1				2.8				240	
245	4.4	4.9	5.3	4.9			3.8	4.3			2	3.6					2.4				245	
250	4	4.6	4.9	4.8			3.5	4.1			1.7	2.5					2				250	
255	3.6	4.2	4.6	4.8			3.2	3.8				2.2									255	
260	3.2	3.8	4.2	4.7			2.8	3.5				1.9									260	
265	2.9	3.4	3.9	4.4			2.4	3.2				1.5									265	
270		3.1	3.5	4.1			1.9	2.9													270	
275			3.1	3.8				2.5													275	
280			2.7	3.4				2.1													280	
285			2.3	3																	285	
290			1.8	2.6																	290	
295				2																	295	

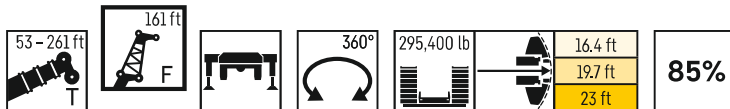
\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 161



	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*			261 ft + 7.5 ft*	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	0°	
65	18.6																65
70	18.1																70
75	17.5				15.2												75
80	16.9				14.8				12.7								80
85	16.4				14.4				12.4				8.9				85
90	15.8				14				12				8.7			4.3	90
95	15.3				13.6				11.6				8.4			4.1	95
100	14.8	12.7			13.2				11.2				8.1			4	100
105	14.4	12.3			12.8				10.8				7.8			3.8	105
110	13.9	11.9			12.4	10.8			10.5				7.5			3.6	110
115	13.4	11.5			12.1	10.5			10.1	9.3			7.2			3.4	115
120	13	11.1			11.7	10.1			9.7	9.1			6.9	3.2		3.2	120
125	12.5	10.7	9.2		11.4	9.8			9.4	8.9			6.7	6.2		3	125
130	12.1	10.4	9		11	9.5			9.1	8.6			6.4	6.1		2.8	130
135	11.7	10.1	8.7		10.7	9.2	8		8.7	8.4			6.1	5.9		2.6	135
140	11.3	9.7	8.4		10.3	9	7.8		8.4	8.1			5.8	5.7		2.5	140
145	10.9	9.4	8.2		9.9	8.7	7.6		8	7.9	6.9		5.5	5.5		2.3	145
150	10.6	9.1	7.9		9.4	8.5	7.4		7.7	7.6	6.8		5.3	5.3	4.6	2.1	150
155	10.2	8.8	7.7		8.9	8.2	7.1		7.3	7.3	6.6		5	5.1	4.5	2	155
160	9.8	8.5	7.4		8.4	7.9	6.9		6.9	7	6.4		4.7	4.8	4.3	1.8	160
165	9.5	8.3	7.2		7.9	7.7	6.7		6.4	6.7	6.2		4.4	4.6	4.2		165
170	9.1	8	6.9	5.5	7.3	7.4	6.5		5.9	6.5	6		4	4.3	4		170
175	8.7	7.8	6.7	5.3	6.8	7	6.3		5.4	6.1	5.9		3.6	4.1	3.9		175
180	8.3	7.5	6.5	5.2	6.4	6.7	6.1	4.9	4.9	5.8	5.7		3.1	3.8	3.7		180
185	8	7.3	6.3	5	6	6.4	6	4.8	4.4	5.5	5.5	4.5	2.6	3.5	3.5		185
190	7.6	7	6.1	4.9	5.7	5.8	5.8	4.7		5.1	5.3	4.4	2.2	3.2	3.3		190
195	7.2	6.7	5.9	4.7	5.3	5.5	5.6	4.6		4.6	5.2	4.3		2.8	3.1		195
200	6.9	6.3	5.7	4.6	5	5.2	5.5	4.4		4.2	4.9	4.2		2.4	2.9		200
205	6.5	6.1	5.5	4.5	4.7	4.9	5.3	4.3		3.8	4.6	4.2		2	2.6		205
210	6.1	5.8	5.3	4.4	4.3	4.6	5.1	4.2			4.3	4.1		1.6	2.4		210
215	5.8	5.6	5.1	4.3	4	4.3	5	4.1			3.9	4			2.1		215
220	5.4	5.3	5	4.2	3.6	4	4.8	4				3.9			1.8		220
225	5	5.1	4.9	4.1	3.3	3.7	4.4	3.9				3.8					225
230	4.6	4.8	4.7	4	2.9	3.4	3.8	3.8				3.7					230
235	4.3	4.5	4.6	3.9		3	3.4	3.7				3.6					235
240	3.9	4.3	4.4	3.8		2.6	3.1	3.5				3.5					240
245	3.6	4	4.3	3.7		2.2	2.8	3.3				3.1					245
250	3.2	3.7	4.1	3.6		1.8	2.5	3.1				2.7					250
255	2.8	3.4	3.8	3.6				2.9				2.1					255
260	2.4	3.1	3.5	3.6				2.7									260
265	1.9	2.7	3.2	3.5				2.4									265
270		2.2	2.8	3.5				2									270
275		1.7		3.3				1.6									275
280				2.9													280
285				2.5													285
290				2													290

\* adapter · piece d'adaptateur

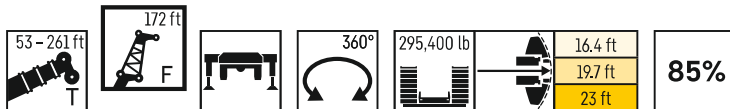




# Lifting capacities

## Forces de levage

# TF 172



	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*			243 ft + 7.5 ft*			259 ft + 7.5 ft*	261 ft + 7.5 ft*	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	0°	10°	20°	0°	0°	
70	16.1																70
75	15.6				13.5												75
80	15.1				13.1				9								80
85	14.6				12.7				10.9			4					85
90	14.1				12.3				10.6			7.5					90
95	13.6				11.9				10.2			7.2			2.1	2.7	95
100	13.1				11.5				9.9			7			2	2.6	100
105	12.7	10.8			11.2				9.6			6.7			1.9	2.5	105
110	12.3	10.4			10.8	9.3			9.3			6.5			1.7	2.4	110
115	11.9	10.1			10.5	9			9			6.2				2.3	115
120	11.4	9.7			10.2	8.8			8.7	7.7		6				2.1	120
125	11	9.4			9.9	8.5			8.3	7.5		5.7				2	125
130	10.6	9			9.6	8.2			8	7.3		5.5	4.8			1.9	130
135	10.3	8.7	7.5		9.3	7.9			7.7	7.1		5.2	4.7			1.8	135
140	9.9	8.4	7.2		9	7.7			7.4	6.9		5	4.5			1.6	140
145	9.6	8.2	6.9		8.6	7.4	6.4		7.1	6.6		4.7	4.3				145
150	9.2	7.9	6.7		8.3	7.2	6.2		6.8	6.4	5.5		4.1				150
155	8.9	7.6	6.5		7.9	6.9	6		6.4	6.2	5.4		3.9				155
160	8.6	7.3	6.2		7.4	6.7	5.7		6.1	6	5.2		3.7	2.9			160
165	8.3	7	6		7	6.5	5.6		5.7	5.7	5.1		3.4	2.7			165
170	8	6.8	5.8		6.6	6.2	5.4		5.3	5.5	4.9		3.2	2.5			170
175	7.7	6.6	5.6		6.1	6	5.2		4.9	5.3	4.7		2.9	2.4			175
180	7.3	6.3	5.4	4.1	5.7	5.7	5		4.4	5	4.6		2.7	2.2			180
185	7	6.1	5.2	3.9	5.3	5.5	4.8	3.7	3.9	4.8	4.5		2.4	2.1			185
190	6.6	5.9	5	3.8	5	5.2	4.7	3.6	3.5	4.5	4.3			1.9			190
195	6.3	5.6	4.8	3.7	4.7	4.9	4.5	3.5		4.2	4.2			1.8			195
200	6	5.4	4.6	3.5	4.4	4.5	4.4	3.3		3.8	4			1.7			200
205	5.7	5.1	4.5	3.4	4	4.2	4.2	3.2		3.4	3.8			1.6			205
210	5.3	4.9	4.3	3.3	3.7	3.9	4.1	3.1		2.9	3.6						210
215	5	4.7	4.1	3.2	3.4	3.7	3.9	3		2.3	3.4						215
220	4.7	4.4	3.9	3.1	3.1	3.4	3.5	2.9			3						220
225	4.4	4.2	3.8	3	2.6	3.1	3.3	2.8			2.6						225
230	4.1	4	3.6	2.9	2.2	2.7	3.1	2.7									230
235	3.8	3.8	3.5	2.8	1.8	2.4	2.8	2.6									235
240	3.5	3.6	3.4	2.7		2	2.5	2.5									240
245	3.2	3.4	3.3	2.6		1.7	2.2	2.4									245
250	2.8	3.2	3.1	2.5			1.8	2.2									250
255	2.4	3	3	2.3			1.6	2.1									255
260	2	2.8	2.8	2.2				1.9									260
265		2.3	2.5	2.2				1.6									265
270		1.9	2.2	2.2													270
275			1.8	2.1													275
280				2.1													280
285				2													285
290				1.6													290

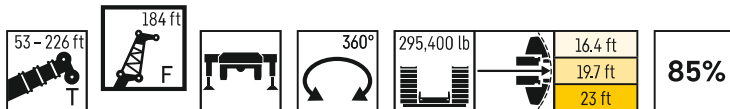
\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TF 184



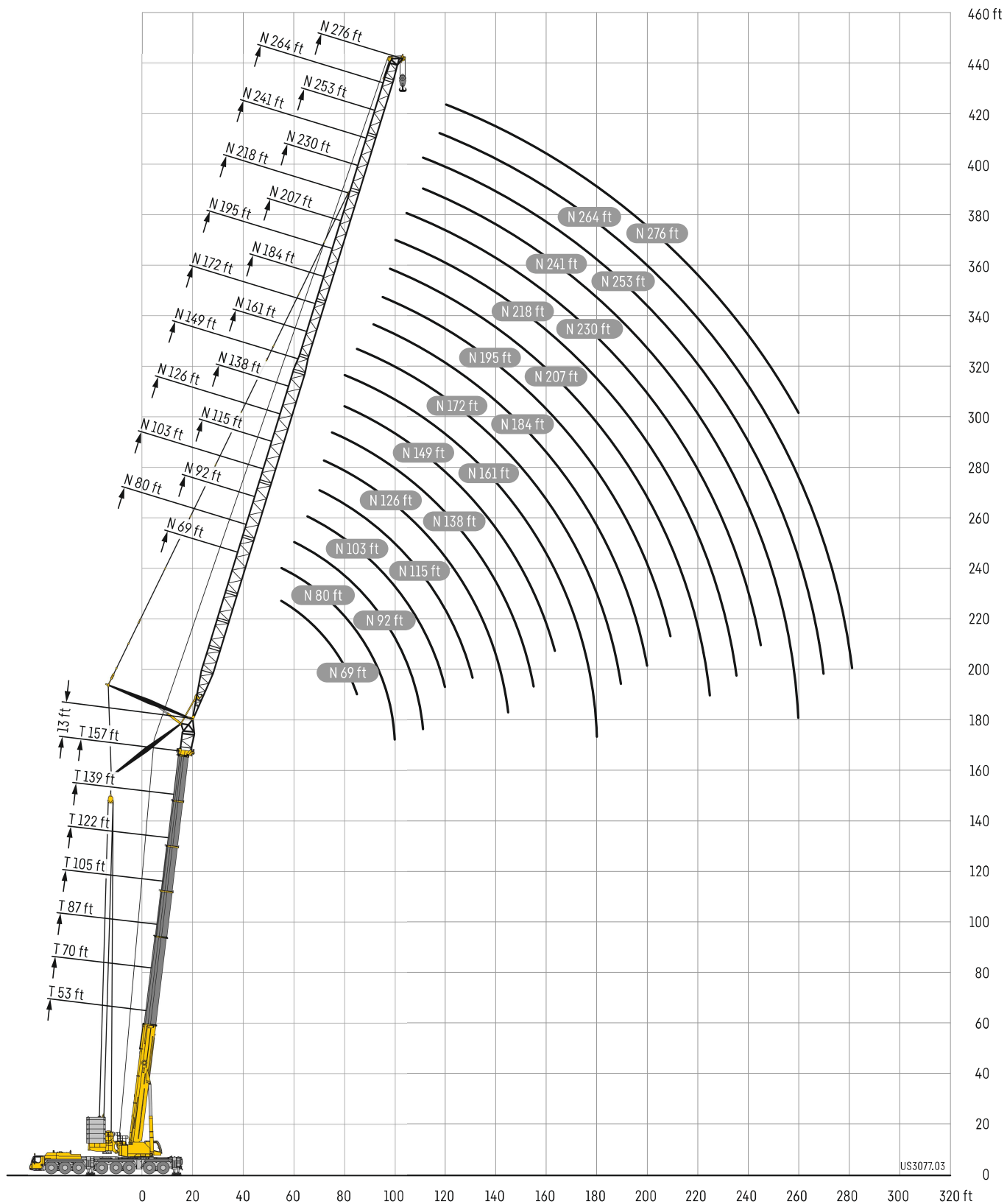
	174 ft + 7.5 ft*				191 ft + 7.5 ft*			209 ft + 7.5 ft*			226 ft + 7.5 ft*			
	0°	10°	20°	40°	0°	10°	20°	0°	10°	20°	0°	10°	20°	
65	16.5													65
70	15.9				14									70
75	15.3				13.6									75
80	14.7				13.1			11.3						80
85	14.1				12.7			10.9			9.1			85
90	13.6				12.2			10.6			8.9			90
95	13.1				11.7			10.2			8.6			95
100	12.6	10.4			11.3			9.9			8.4			100
105	12.1	10.1			10.9			9.5			8.1			105
110	11.6	9.7			10.6	8.8		9.2			7.8			110
115	11.2	9.3			10.2	8.5		8.9			7.6			115
120	10.7	8.9			9.8	8.2		8.6	7.2		7.3			120
125	10.2	8.6			9.4	7.9		8.3	7		7	6.1		125
130	9.8	8.2			9.1	7.6		8	6.7		6.7	5.9		130
135	9.4	7.9	6.6		8.7	7.3		7.7	6.5		6.4	5.7		135
140	9.1	7.6	6.3		8.4	7	5.8	7.4	6.2		6.1	5.5		140
145	8.7	7.2	6		8	6.7	5.6	7.2	6		5.8	5.3		145
150	8.4	6.9	5.8		7.7	6.5	5.4	6.9	5.8	4.8	5.6	5.1		150
155	8	6.6	5.5		7.5	6.2	5.1	6.5	5.6	4.6	5.3	4.9		155
160	7.7	6.3	5.3		7.2	5.9	4.9	6.2	5.3	4.4	5	4.7	3.9	160
165	7.3	6.1	5.1		6.9	5.7	4.7	5.8	5.1	4.3	4.6	4.5	3.7	165
170	7	5.8	4.8		6.4	5.4	4.5	5.4	4.9	4.1	4.3	4.3	3.5	170
175	6.6	5.6	4.6		6.1	5.2	4.3	5	4.7	3.9	3.8	4.1	3.3	175
180	6.3	5.3	4.4	2.8	5.8	5	4.1	4.7	4.5	3.7	3.3	3.8	3.1	180
185	6	5.1	4.2	2.6	5.6	4.8	3.9	4.3	4.3	3.6	2.8	3.6	2.9	185
190	5.8	4.8	4	2.5	5.3	4.6	3.8		4	3.4	2.3	3.3	2.8	190
195	5.6	4.6	3.8	2.3	5	4.4	3.6		3.8	3.2	1.8	3	2.6	195
200	5.3	4.4	3.6	2.1	4.8	4	3.4		3.6	3		2.7	2.5	200
205	5.1	4.2	3.4	2	4.5	3.8	3.2		3.3	2.8		2.2	2.3	205
210	4.8	4	3.2	1.8	4.2	3.7	3		3	2.6		1.8	2.1	210
215	4.6	3.8	3	1.7	4	3.5	2.8			2.4			1.9	215
220	4.4	3.6	2.8	1.6	3.7	3.3	2.5			2.3			1.7	220
225	4.1	3.4	2.6		3.4	3	2.3			2.1				225
230	3.9	3.3	2.4		3.1	2.8	2.1							230
235	3.6	3	2.3		2.8	2.6	1.9							235
240	3.4	2.8	2.1			2.3	1.8							240
245	3.2	2.5	1.8			2.1	1.6							245
250	3	2.3	1.6											250
255	2.8	2.1												255
260	2.5	2												260
265	2.3	1.8												265
270	2	1.6												270
275	1.7													275

\* adapter - piece d'adaptateur

# Lifting heights

## Hauteurs de levage

TN



# Lifting capacities

## Forces de levage

# TN 46 - 57

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	
26	261.6									26
28	261.6			260.2						28
30	261.6			257.6						30
32	261.6			251.7			247.3			32
34	259.4			245.8			243.5			34
36	255.7			239.8			238			36
38	250.1			233.6			232.7			38
40	243.6	258.2		227.1			227.2			40
45	220.9	232.1		210.1	207.3		212.5			45
50	192	210.2		189.1	205		196			50
55		191.4	184.3	155.9	186.9		173.9	180.7		55
60		174.7	168.6		171.6			165.2		60
65			154.9		156.6	150.2		151.8		65
70						138.5		139.7	129.9	70
75						128.2			120.4	75
80									112	80

\* adapter - piece d'adaptateur

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
30	261.6															30
32	261.5			245.1												32
34	259.9			240.6												34
36	257.4			235.1			227.2									36
38	251			229.6			224.5			191.2						38
40	244.4			224.2			221.1			191.8						40
45	227.7			210.7			209.1			187.7			158			45
50	210	209.2		196.6			196.9			186.8			159.6			50
55	190.8	190.6		181.5	185.5		183.9			184.4			158.9			55
60	167.8	174.3		164.1	171		169.4	166		173.3			156.2			60
65		160.3	154.1	141.2	157.3		151.5	152.6		159.5	146.9		151.5			65
70		148.1	142.2		145.4	137.8		140.8		140.4	135.5		140.7	129.1		70
75			131.8		134.6	127.7		130.5			126.7			120.3		75
80			122.5			119		121.4	113.1		118.6			112.1		80
85						111.1					110.8	102		104.8		85
90												95.7		98.2		90
95									94.3			90			82.3	95
100												84.9			77.6	100
105															73.4	105

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

TN 69

53-226 ft, 69 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
34	233.7																		34
36	235			213.5															36
38	236.1			213.4			189												38
40	235.8			212.7			189.9												40
45	226.1			205.2			192			163.4			134.8						45
50	213.3			194.6			189.3			164.4			135.6			109			50
55	197.6	189.7		184			181.7			161.9			135.8			109.1			55
60	180.8	173.5		172.6	168.7		172			161.4			135.8			109.4			60
65	166.3	159.6		160.5	156		161.5	151.8		158.3			135.8			109.4			65
70	150.4	147.7	141.4	146.8	144.6		149.7	140.1		147.2	134.7		135.4			109.4			70
75	121.8	137	131.1	130.4	134	126.6	136.5	129.9		136.6	124.9		133.1	121.3		109.4			75
80		127.6	122.1		124.8	118		121		126.3	117.5		125.1	113.4		109.4	99.5		80
85		119	114.2		116.6	110.3		113.1	104.9		110.3			106.1		109.2	96		85
90			107.1			103.5		106.1	98.5		103.5			99.5			92.3		90
95						97.4					97.3	89.3		93.6			88.8		95
100												88.3		88.3	79.1		84.3		100
105										83.7							74.8		105
110																	71		110
115																	67.4		115
120																	64		120
125																			125

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
55	82.8			63.4												55
60	81.5			62.6			47.3									60
65	80.2			61.8			46.7				34.3					65
70	78.3			61			46.1				33.9		24.3			70
75	76.3			60.1			45.6				33.5		24			75
80	74.3			59.1			45				33.1		23.8			80
85	72.5			58.2			44.4				32.7		23.5			85
90		62.4		57.1			43.9				32.3		23.2			90
95		59.9			46.2						32		22.9			95
100		57.6			44.5											100
105		55.4			42.7											105
110		53.6			41.2				33.1				24.5			110
115					39.8				31.7				23.6			115
120				44.2					30.4				22.6		16.9	120
125				42.2					29.2				21.7		16.1	125
130				40.6												130
135							30.2									135
140							28.9									140
145							27.7									145
150											20					150
155											19.1					155
160													12.5			160

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 80

53-226 ft   80 ft   360°   295,400 lb   16.4 ft   19.7 ft   23 ft   **85%**

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
36	216.8																		36
38	217																		38
40	216.7			199.6															40
45	213.5			199.1			178.3			151.9									45
50	209.4			192.6			179.8			153.1			126.5						50
55	197.1			182.5			177			153.2			126.9			100.9			55
60	180.4	173		172.5			170.3			150.9			127.2			101.4			60
65	166	159.2		162.4	155.2		161.2			149.2			127.3			101.4			65
70	153.6	147.3		151.8	144.4		149.7	139.6		146.4			126.7			101.1			70
75	142.8	136.7	130.6	141	133.8		139.1	129.4		136.4	124.7		125.3			100.8			75
80	126.2	127.3	121.7	129.1	124.7		129.6	120.6		127	116.2		122.7	111.4		100.5			80
85	103.3	119	113.8	115.3	116.6	110.1	120.2	112.7		118.7	109.3		117.1	105.6		100.2	91.6		85
90		111.7	106.8		109.5	103.3	105.7	105.8	97.9	111.2	103.5		109.9	99.1		99.3	88.7		90
95		105	100.5		103	97.3		99.6	92.2		97.4		99.8	93.3		98.2	85.7		95
100			94.9		96.2	91.8		94.8	87.2		91.9	84.1		88.1			82.9		100
105						86.8			83.5		86.9	79.5		83.3			79.3		105
110						82.3			79.3			75.4		79	70.5		75.2		110
115									75.3			71.7			66.9		71.4	61.9	115
120												68.2			63.7			58.9	120
125												64.8			60.7			56.1	125
130															57.8			53.6	130
135																		51	135

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*						
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°				
55	75.5																		55
60	74.6			57.3															60
65	73.6			56.5			42.4												65
70	72.5			55.8			42			30.5			21.4						70
75	71.2			55.1			41.4			30.1			21.1						75
80	69.7			54.3			40.9			29.8			20.9						80
85	68.1			53.6			40.5			29.4			20.6						85
90	66.5			52.8			40			29			20.4						90
95	65.1	57.4		52			39.5			28.7			20.2						95
100	63.7	55.4		51.2	42.3		39.1			28.4			20						100
105		53.4			40.8					28.1			19.7						105
110		51.6			39.4			30.4											110
115		49.9			38.1			29.2			21.3								115
120		48.4			36.8			28.1			21.4								120
125			41.3		35.6			27			20.5			15					125
130			39.6					26			19.7			14.3					130
135			38.1			28					18.9			13.7					135
140			36.7			26.8								13.1					140
145			35.4			25.7				18.2									145
150						24.7				17.4									150
155										16.6				9.3					155
160														10.6					160
165														10.2					165
170																		4.9	170

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 92

53-226 ft   92 ft   360°   295,400 lb   16.4 ft   19.7 ft   23 ft   85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
40	190.1																		40
45	191.2			176.2			156.1												45
50	189			178.2			157.7			134.7									50
55	185.4			176			158.5			135.1			111.9			89.6			55
60	178.5			169.4			159.1			135.4			112.1			89.7			60
65	165.3	158.3		161.3			156.8			135.7			112.4			89.8			65
70	153	146.5		151.2	142.3		148.5			132.5			112.7			90			70
75	142.2	135.9		140.5	133.1		138.5	128.6		133			113			90.2			75
80	132.7	126.7		131.1	124		129.1	119.8		126.6	115.4		113.1			90.3			80
85	124	118.4	113	122.5	116		120.7	112.1		118.3	107.9		111.7	102.3		90.4			85
90	110.8	111.2	106.1	115	108.9	102.6	113.3	105.2		111	101.4		108.7	98.3		90.3	62.2		90
95	93.8	104.6	99.8	105.5	102.5	96.5	106.6	99		104.5	96.5		102.8	92.7		90.1	82		95
100		98.8	94.3	74.8	96.8	91.2	97.9	93.4	86.7	98.6	91.1		98.2	87.5		89.2	79.7		100
105		93.3	89.2		91.5	86.2		89	82.5		86.1	78.5	91.6	82.8		88.3	77.2		105
110			84.6		86.1	81.8		84.6	78.6		81.7	74.4		78.5			74.3		110
115						77.7		80.3	74.7		77.6	70.7		74.5	66.2		70.5		115
120						73.9			71.1		73.7	67.3		70.9	63		67.1		120
125									67.7			64.1		67.5	60		63.9	55	125
130												61			57.2		60.8	52.5	130
135												58.2			54.6			50.1	135
140															52.1			47.8	140
145																		45.7	145
150																		43.6	150

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*						
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°				
60	68																		60
65	67.1			51.3															65
70	66.3			50.7			37.9					27.3							70
75	65.5			50.1			37.5					27.1			18.3				75
80	64.5			49.5			37.1					26.8			18				80
85	63.3			48.9			36.7					26.5			17.8				85
90	62.1			48.3			36.3					26.2			17.5				90
95	60.8			47.7			35.9					25.9			17.3				95
100	59.5	52.7		47			35.5					25.6			17.1				100
105	58.3	51		46.4	38.7		35.1					25.4			16.9				105
110	56.8	49.3		45.8	37.4		34.8					25.1			16.8				110
115		47.7			36.2		34.4	28.1				24.9			16.7				115
120		46.2			35.1			27.1					19		16.7				120
125		44.8			33.9			26.1					19.6						125
130		43.6	31.8		32.9			25.1					18.9			13.5			130
135			36.9		31.9			24.2					18.2			13			135
140			35.5					23.3					17.5			12.5			140
145			34.2			22							16.8			12			145
150			33			23.9										11.5			150
155			31.9			23													155
160						22.1													160
165																			165
170																			170
175																		4.5	175
180																		4.1	180

\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TN 103

53-226 ft, 103 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
45	171.1																		45
50	170.3			159.4			141.8												50
55	167.5			159.6			142.2			122			101.8						55
60	164.3			158.4			142.4			122.2			101.9			81			60
65	159.9			156.3			142.7			122.5			102			81.3			65
70	151.8	145.1		149			142.1			122.8			102.2			81.6			70
75	141.8	135.5		139.4	130.9		136.1			121.4			102.5			81.9			75
80	132.4	126.3		130.7	123		127.8	118.5		120.2			102.5			82.1			80
85	123.8	118.1		122.3	115.4		120.1	111.3		117.2	106.9		102.4			82			85
90	116.2	110.8	105.7	114.8	108.3		112.8	104.5		110.6	100.6		101.9	95		81.8			90
95	109.3	104.3	99.4	108	101.9	95.8	106.2	98.3		104.2	94.7		100.4	91.1		81.7	57.7		95
100	98.5	98.5	93.9	101.9	96.2	90.5	100.2	92.9		98.3	90.6		96.9	86.9		81.6	75.9		100
105	85.4	93.2	88.9	95.5	91.1	85.6	94.7	87.8	82.2	92.9	85.9		92.4	82.2		81.4	74.2		105
110		88.4	84.3	82.2	86.4	81.2	89.3	83.3	78	88	81.5		87.7	77.9		80.7	72.3		110
115		83.9	80.1		82	77.2		80	74.1	83.3	77.5	70.3	83.1	74		79.9	70.2		115
120			76.2		78	73.5		76.1	70.6		73.7	67		70.5	62.3	77.5	67		120
125			72.5			69.9		72.4	67.2		70.1	63.8		67.1	59.4		63.8		125
130						66.6			64		66.8	60.8		63.9	56.6		60.8	52.2	130
135									61.1			58		61	54		58	49.9	135
140									58.3			55.4			51.6		55.4	47.6	140
145												53			49.3			45.5	145
150															47.2			43.5	150
155																		41.6	155
160																		39.8	160

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°		
65	61.6			44.5												65	
70	60.9			46.5			34.4									70	
75	60.2			46			34.1			23.8						75	
80	59.5			45.5			33.8			23.6			15.2			80	
85	58.7			44.9			33.4			23.4			15			85	
90	57.8			44.4			33.1			23.2			14.7			90	
95	57			43.9			32.7			23			14.5			95	
100	55.9			43.4			32.4			22.7			14.3			100	
105	54.7	48.5		42.9			32			22.5			14.1			105	
110	53.6	47.1		42.4	35.8		31.7			22.2			13.9			110	
115	52.6	45.7		41.8	34.6		31.4			22			13.8			115	
120	51.3	44.3		41.3	33.4		31.1	25.8		21.8			13.7			120	
125		43		40.9	32.3		30.9	24.9		21.6	16.9		13.6			125	
130		41.7			31.4			23.9			17.7		13.5			130	
135		40.5			30.4			23			17.1			11.9		135	
140		39.5	34.5		29.5			22.2			16.5			11.5		140	
145		38.6	33.2		28.7			21.4			15.9			11.2		145	
150			32		27.9	23		20.7			15.3			10.8		150	
155			30.9			22.1		20			14.7			10.5		155	
160			29.8			21.2			14.4					10.1		160	
165			28.9			20.4										165	
170						19.6							8.9			170	
175						18.9							8.5			175	
180													8.2			180	
185													7.9			185	
190																3.7	190
																3.4	190

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 115

53-226 ft | 115 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | **85%**

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
50	152.8			142.8															50
55	150.6			142.8			127.8												55
60	148.1			141.7			127.9			110.1			92.3						60
65	145.8			140.2			128			110.2			92.4			72.8			65
70	143			138.6			127.3			110.3			92.5			73			70
75	138.5	133		136			126.6			110.6			92.6			73.2			75
80	130.9	124.7		128.1	120.5		124.4			110.3			92.8			73.3			80
85	123.1	117.3		120.5	113.3		118.1	109.3		108.7			92.7			73.3			85
90	115.7	110.2		113.8	107.5		111.6	103.2		107.2	98.5		92.3			73.2			90
95	108.8	103.7	98.8	107.2	101.3		105.6	97.6		103.4	93.2		91.9	86.7		73.1			95
100	101.9	97.9	93.2	101.2	95.7		99.7	92.3		98.1	88.4		91.1	84		73	52.2		100
105	93.6	92.6	88.2	95.6	90.5	84.9	94.3	87.2		92.9	83.8		90.1	80.9		73	69		105
110	83.5	87.8	83.6	90.6	85.8	80.5	89.4	82.7	76	87.7	80.6		86.2	77.1		72.9	67.7		110
115	72.8	83.3	79.5	81.5	81.5	76.5	84.8	78.6	72.6	83.2	76.6		82.3	73.2		72.8	66.3		115
120	60	79.3	75.6	70.1	77.5	72.8	78.8	75	69.5	79.1	72.9	65.9	78.5	69.6		72.6	64.7		120
125		75.3	71.9		73.8	69.3		71.6	66.3	75	69.4	62.8	73.9	66.3		72.1	62.9		125
130			68.6		70.3	66.1		68.3	63.1		66.1	59.9		63.2	55.6	69.6	60		130
135			65.4			63		65.1	60.2		63.1	57.1		60.2	53		57.2	48.8	135
140						60.2			57.5		60.2	54.5		57.5	50.6		54.6	46.6	140
145									55			52.1		55	48.4		52.2	44.5	145
150									52.6			49.9			46.3		49.9	42.5	150
155												47.8			44.3			40.7	155
160															42.4			38.9	160
165															40.6			37.3	165
170																		35.7	170

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
70	55.3			42.1											70
75	54.7			41.7			30.5								75
80	54.1			41.3			30.3			20.9			12.3		80
85	53.5			40.8			30			20.7			12.1		85
90	52.9			40.3			29.7			20.5			11.8		90
95	52.2			39.9			29.4			20.2			11.6		95
100	51.5			39.4			29			20			11.4		100
105	50.7			39			28.7			19.8			11.2		105
110	49.8	43.9		38.5			28.4			19.6			11		110
115	48.9	42.8		38.1	31.8		28.1			19.4			10.8		115
120	48.1	41.6		37.6	31.4		27.8			19.2			10.6		120
125	47.2	40.5		37.2	30.3		27.5	23		19			10.4		125
130	45.2	39.4		36.8	29.3		27.3	22.2		18.8			10.3		130
135		38.3		36.6	28.4		27.1	21.4		18.6	15.4		10.2		135
140		37.3			27.6			20.6		18.4	14.9		10.1		140
145		36.4	31.7		26.8			19.9			14.3			8.8	145
150		35.5	30.5		26			19.2			13.8			8.6	150
155		34.8	29.5		25.3	20.6		18.5			13.3			8.4	155
160			28.5		24.7	19.8		17.9			12.8			8.3	160
165			27.5			19		17.3	10.5		12.4			8.2	165
170			26.6			18.2					11.9			8.1	170
175			25.9			17.5					11.3			8	175
180						16.9					10.8		7.2		180
185						16.3					10.4		6.9		185
190											10.1		6.6		190
195													6.3		195
200													6		200

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 126

53-226 ft   126 ft   360°   295,400 lb   16.4 ft   19.7 ft   23 ft   85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
	126 ft																		
55	135.1			128.1															55
60	133.1			127.1															60
65	131.1			125.8			115.6			101								65.6	65
70	129.3			124.4			114			100.4			83.2					65.8	70
75	127.3			123.1			113.2			99.9			83.8					65.9	75
80	124.3	121.8		121.7			112.4			99.4			83.9					66.1	80
85	120.8	115.2		118.6	111.6		111.7			99			83.9					66.1	85
90	114.2	108.7		112.2	105.3		109.5	101.2		98.6			83.7					66.1	90
95	108.1	102.9		106.2	99.7		103.7	95.8		98.2	91.9		83.5					66	95
100	102.3	97.4		100.9	94.8		98.5	90.9		96.6	87.2		83.2	79.5				65.9	100
105	96.7	92.1	87.6	95.6	90		93.7	86.5		92.1	82.9		82.8	78.2				65.8	105
110	90.1	87.3	83.1	90.6	85.4	80	89	82.3		87.9	79		82.2	74.5				65.8	110
115	83.3	82.9	79	86	81.1	76	84.5	78.1		83.5	75.6		81.5	72.7				65.8	115
120	75.1	78.9	75.1	81.9	77.1	72.3	80.4	74.4	68.9	79.5	72.5		77.5	69.5				65.8	120
125	66.3	75.2	71.5	74.4	73.4	68.9	76.6	70.7	66.1	75.1	69	62.3	74.5	66.3				65.8	125
130	57	71.7	68.2	65	70	65.6	71.7	68.1	63	71.6	65.7	59.4	71.4	63.2				65.8	130
135		68.4	65.1		66.8	62.6	62.1	65.1	60.1	68.2	62.7	56.6	67.8	60.2	52.9			65.6	135
140		61.4	62.2		63.9	59.9		62.2	57.4		59.9	54.1	62.1	57.6	50.5			63.3	140
145			59.5		59.7	57.3		59.5	54.9		57.3	51.7		55	48.3			51.8	145
150			57			54.8		57	52.6		54.9	49.5		52.7	46.2			49.6	150
155						52.6			50.4		52.5	47.4		50.4	44.2			47.5	155
160									48.3				45.4	48.3	42.4			45.5	160
165													43.6						165
170													41.8					36.9	170
175															37.4			33.9	175
180																		32.5	180

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
	126 ft														
70	50.6														70
75	50.2			38.1											75
80	49.7			37.8					27.1			16.9			80
85	49.2			37.5					26.9			18		9.9	85
90	48.7			37.1					26.7			17.8		9.7	90
95	48.1			36.7					26.4			17.5		9.5	95
100	47.6			36.2					26.2			17.3		9.2	100
105	47.1			35.9					25.9			17.1		9	105
110	46.5			35.5					25.6			16.9		8.8	110
115	45.8	40.3		35.1					25.3			16.7		8.6	115
120	45	39.4		34.7					25			16.5		8.4	120
125	44.3	38.5		34.3	29				24.8			16.4		8.2	125
130	43.6	37.6		34	28.1				24.6	20.8		16.3		8.1	130
135	42.9	36.6		33.6	27.1				24.3	20.3		16.2		7.9	135
140	41	35.6		33.3	26.2				24.1	19.6		16.2	13.8	7.8	140
145	39.6	34.7		33.1	25.4				24	18.9		16.2	13.4	7.7	145
150		33.8			24.7				23.8	18.3		16.2	12.9	7.6	150
155		33	28.5		24					17.7			12.4	6.5	155
160		32.3	27.4		23.4					17.1			12	6.2	160
165		31.7	26.6		22.7	18.2				16.5			11.5	6	165
170			25.7		22.2	17.4				15.9			11.1	5.9	170
175			24.8			16.8				15.4	10.8		10.8	5.7	175
180			24.1			16.1					10.4		10.5	5.6	180
185			23.4			15.5					10			6.3	185
190			22.9			15					9.7			6.1	190
195						14.5					9.3			5.8	195
200											9			5.5	200
205														5.2	205
210														5	210

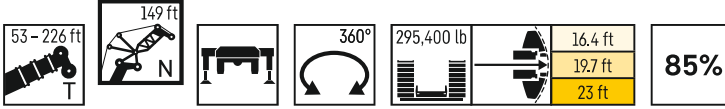
\* adapter - piece d'adaptateur



# Lifting capacities

## Forces de levage

# TN 149



	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	149 ft																		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
60	109.2																		60
65	107.9																		65
70	106.5																		70
75	105.2																		75
80	103.9																		80
85	102.6																		85
90	101.1	99.3																	90
95	99.6	98																	95
100	97.9	94																	100
105	94.2	89.4																	105
110	89.8	85.2																	110
115	85.7	81.3	77.2																115
120	81.6	77.7	73.7																120
125	76.9	74.2	70.4																125
130	72.1	70.7	67.1																130
135	67.2	67.5	64																135
140	61.2	64.5	61.1																140
145	55	61.7	58.5																145
150	48.5	59.1	56																150
155		56.7	53.7																155
160		52.7	51.6																160
165			49.5																165
170			47.6																170
175																			175
180																			180
185																			185
190																			190
195																			195
200																			200
205																			205

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*	
	149 ft													
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	
80	41.4													80
85	41.2													85
90	40.8													90
95	40.5													95
100	40.1													100
105	39.7													105
110	39.3													110
115	38.9													115
120	38.5													120
125	38.1	33.5												125
130	37.6	32.8												130
135	37.1	32.1												135
140	36.6	31.4												140
145	36.1	30.7												145
150	35.6	30												150
155	35	29.3												155
160	33.5	28.6												160
165	32.6	27.9												165
170		27.3												170
175		26.7												175
180		26.2												180
185		25.7												185
190		25.3												190
195														195
200														200
205														205
210														210
215														215
220														220
225														225

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 161

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*					
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°				
65	97.9			92.5																										65			
70	96.7			91.8			84			71.9																				70			
75	95.6			91.1			83.5			73.8			61.5																	75			
80	94.4			90.3			82.9			73.5			61.6			48.5			37.4											80			
85	93.3			89.6			82.4			73.1			61.7			48.5			37.3			27.5								85			
90	92.3			88.8			81.8			72.7			61.9			48.6			37.1			27.3			18.4					90			
95	91.1	89.4		88.1			81.3			72.4			61.9			48.6			36.8			27.1						9.6		95			
100	89.9	88.3		87.4	85.6		80.7			72			61.9			48.6			36.4			26.9						9.4		100			
105	88.6	87.2		86.7	84.2		80.3	79.1		71.7			62			48.5			36.1			26.7						9.1		105			
110	87.3	83.6		85.6	80.5		79.8	76.6		71.4	70.3		61.9			48.5			35.8			26.5						8.9		110			
115	84.2	79.8		82.4	76.9		79.3	74.1		71.2	70		61.7	59.8		48.4			35.4			26.2						8.7		115			
120	80.5	76.3	72.3	78.8	73.5		76.8	70.8		70.9	67.3		61.6	59.6		48.4			35.1			25.9						8.5		120			
125	77.1	73	69.1	75.5	70.7		73.7	67.7		70.2	64.4		61.5	59.2		48.3	46.8		34.7			25.7						8.3		125			
130	73.5	69.9	66.2	72.4	67.9	63.3	71.2	64.9		69.1	61.7		61.4	57.8		48.3	46.7		34.4	30.4		25.4						8.2		130			
135	69.4	67	63.5	69.5	65.2	60.7	68.4	62.3		66.6	59.2		61.4	55.4		48.3	46.6		34	29.6		25.2						8		135			
140	65.3	64	60.6	66.5	62.5	58.2	65.5	59.8	55	64.1	57.2		61.4	53.6		48.3	46.4		33.6	29		24.9	21.5					7.8		140			
145	61.1	61.3	57.9	63.6	59.8	55.7	62.4	57.5	52.9	61.6	55.3	49.3	59.7	52.3		48.3	46.2		33.2	28.4		24.7	20.9			16.3	12.9	7.7		145			
150	55.9	58.7	55.5	60.6	57.3	53.3	59.8	55	50.7	59.1	53.2	47.4	57.4	50.3		48.3	45.7		32.8	27.8		24.4	20.3			16.3	14.1	7.6		150			
155	50.5	56.2	53.2	55.6	54.9	51.1	57.3	53.1	48.5	56.9	51	45.4	55.4	48.4	41.7	48.3	45		32.3	27.1		24.2	19.7			16.2	13.7	7.4	6.3	155			
160	45	54	51	50.2	52.7	49	54.2	50.9	46.5	53.9	48.9	43.5	53.4	46.4	39.9	48.3	43.8		31.9	26.5		24	19.1			16.1	13.3	7.3	6.1	160			
165	38.5	51.9	49	44.2	50.6	47	49.1	48.9	44.6	51.7	46.9	41.7	51.2	44.5	38.2	48.2	42.1	34.8	31.4	25.9		23.7	18.5			16.1	12.8	7.2	5.9	165			
170		49.1	47.1		48.6	45.1	42.6	47	42.8	48.6	45	40	49.1	42.7	36.7	47.5	40.3	33.3	30.1	25.3		23.5	17.8			16.1	12.3	7.2	5.8	170			
175			45.3		46.7	43.4		45.2	41.2		43.3	38.4	45	41	35.2	46.2	38.7	31.9	29.2	24.7	21.1	23.4	17.2			16.1	11.9	7.2	5.6	175			
180			43.6		44.1	41.7		43.4	39.6		41.6	36.9		39.4	33.8		37.2	30.6	27.9	24.2	20.3	23.3	16.7			16.1	11.5	7.1	5.5	180			
185						40.2			41.8	38.1		40	35.5		37.9	32.4		35.8	29.4		23.6	19.6		16.1	12.4			11.1		5.4	185		
190						38.6				36.6		34.1		36.5	31.1		34.4	28.2		23.2	18.9		15.7	11.9				10.7		5.2	190		
195									35.2			32.8			29.9		33.1	27.1		22.7	18.3		15.3	11.4				10.4	6.8		5.1	195	
200												31.6			28.8			26		22.4	17.7		15	11				10.1	6.6		5.1	200	
205												30.4			27.7			25			17.2		14.6	10.6					9.8	6.3		5	205
210															26.6			24			16.6			10.2					9.5	6		5	210
215																		23			16.2			9.9						5.7		5	215
220																					15.7			9.6						5.4			220
225																					15.4			9.3						5.1			225
230																								9						4.9			230
235																													4.6				235

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 172

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
70	87.1			82.4																										70
75	86.1			81.8			75.2			66.5																				75
80	85.1			81.1			74.7			66.3			55.5			43.8														80
85	84.1			80.5			74.2			66			55.5			43.8			33.8											85
90	83.2			79.8			73.7			65.6			55.5			43.9			33.7			24.8								90
95	82.3			79.2			73.2			65.3			55.5			43.9			33.6			24.7			15.5			7.6		95
100	81.3	79.9		78.5			72.7			65			55.5			43.9			33.3			24.5			15.3			7.4		100
105	80.4	79		77.7	76.7		72.2			64.6			55.5			43.8			33.1			24.3			15			7.1		105
110	79.5	78.1		76.7	76		71.7	71.1		64.3			55.5			43.8			32.8			24.1			14.8			6.9		110
115	78.6	77.2		75.8	75.3		71.2	70.6		64.1	62.9		55.5			43.7			32.5			23.9			14.6			6.7		115
120	77.1	74.9		74.8	72.5		70.7	68.8		63.8	62.8		55.4	53.8		43.7			32.2			23.7			14.4			6.5		120
125	74.6	71.6		73.2	69.3		70.1	66.4		63.6	62.6		55.4	54		43.7			31.9			23.4			14.2			6.3		125
130	71.9	68.6	65	71.2	66.5		68.6	63.6		63.1	60.4		55.3	54		43.6	42.3		31.6			23.2			14			6.1		130
135	69.3	65.9	62.3	68.6	63.8	59.5	66.9	61		62.2	57.9		54.9	53.8		43.6	42.2		31.3	27.9		23			13.9			5.9		135
140	66.2	63.2	59.8	65.9	61.4	57.1	64.3	58.6		61.3	55.6		54.4	52.6		43.6	42.1		30.9	27.2		22.8			13.7			5.8		140
145	62.7	60.8	57.4	63.4	59	54.9	62.1	56.4	51.6	60.3	53.5		53.9	50.5		43.6	42.1		30.6	26.5		22.6	19.5		13.5			5.6		145
150	59.2	58.3	55	60.9	56.8	52.8	59.8	54.3	49.8	58.2	51.6		53.4	48.6		43.6	42		30.3	25.9		22.3	19		13.4	11.9		5.4		150
155	55.5	55.9	52.8	58.5	54.5	50.7	57.3	52.3	48	56.2	50.2	44.6	52.6	47.9		43.6	41.9		30	25.3		22.1	18.5		13.3	11.7		5.3		155
160	51	53.6	50.6	55.9	52.3	48.6	55	50.2	46.1	54	48.4	42.9	51.8	46.2	39.7	43.6	41.4		29.6	24.8		21.9	18		13.2	11.6		5.2	4.1	160
165	46.4	51.5	48.6	51.6	50.2	46.6	52.8	48.5	44.2	52.1	46.5	41.2	50.8	44.5	38.3	43.6	40.9		29.2	24.3		21.7	17.4		13.1	11.4		5	3.9	165
170	41.6	49.5	46.7	46.9	48.3	44.8	50.3	46.6	42.4	49.9	44.6	39.6	48.8	42.8	36.7	43.6	39.9	32.9	28.9	23.8		21.5	16.8		13.1	11.2		4.9	3.7	170
175	36.4	47.6	44.9	41.7	46.4	43	46.1	44.8	40.7	47.5	42.9	38	47	41.1	35.2	43.6	38.4	31.5	28.4	23.3		21.3	16.3		13.1	11		4.9	3.6	175
180		45.8	43.2	35.3	44.7	41.4	40.7	43.1	39.2	45.3	41.3	36.5	45.2	39.5	33.8	43.1	36.9	30.2	27.3	22.8	19.3	21.2	15.8		13.1	10.7		4.8	3.5	180
185		40.2	41.6		43	39.8		41.5	37.7	38.6	39.7	35.1	42.1	38	32.4	42.3	35.4	28.9	26.6	22.2	18.7	21.1	15.3		13.1	10.4		4.8	3.3	185
190			40.1		41.4	38.4		40	36.3		38.2	33.7		36.6	31.2		34.1	27.8	25.9	21.7	18.1	21	14.8	11.2	13.1	10.1		4.7	3.2	190
195			38.7			37		38.5	34.9		36.8	32.4		35.2	30		32.8	26.6		21.3	17.5		14.3	10.8	13.1	9.8		4.7		195
200						35.6			33.6		35.5	31.2		33.9	28.8		31.5	25.6		20.9	16.9		13.9	10.4		9.5				200
205									32.4			30.1		32.6	27.7		30.3	24.6		20.5	16.3		13.6	10		9.2	5.7			205
210												29			26.6		29.2	23.6		20.3	15.8		13.2	9.7		8.9	5.5			210
215												27.9			25.6			22.7				15.3	12.9	9.3		8.6	5.2			215
220															24.7			21.8				14.8		9		8.4	4.9			220
225																		20.9				14.4		8.7			4.7			225
230																		20.1				14		8.4			4.4			230
235																						13.7		8.1			4.2			235
240																								7.9			3.9			240
245																											3.7			245
250																											3.4			250

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

# TN 184

53-209 ft | 184 ft | 360° | 295,400 lb | 16.4 ft | 19.7 ft | 23 ft | 85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*	
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	
70	79																											70	
75	78.2			74.1			68.2																					75	
80	77.4			73.5			67.7			59.9																		80	
85	76.6			72.9			67.2			59.8			50.3			39.5												85	
90	75.7			72.3			66.8			59.5			50.3			39.5			30.2									90	
95	74.7			71.6			66.3			59.1			50.4			39.5			30.2			21.4			12.8			95	
100	73.8			70.8			65.8			58.8			50.4			39.5			30.1			21.1			12.5		5.1	100	
105	72.8	72		70			65.3			58.5			50.4			39.5			29.8			20.9			12.3		4.8	105	
110	70.7	71.2		68.8	69.1		64.8			58.2			50.4			39.4			29.6			20.7			12		4.6	110	
115	68.6	70.4		67	68.4		63.7	63.9		57.8			50.3			39.4			29.4			20.4			11.8		4.4	115	
120	66.5	69.1		65.2	67.5		62.3	63.5		57.1	56.4		50.1			39.3			29.1			20.2			11.6		4.2	120	
125	64.4	67.2		63.4	66.5		61	62.9		56.4	56.5		49.7	48.4		39.3			28.8			20			11.4		4	125	
130	62.3	65.2		61.6	64.5		59.7	61.4		55.7	56.4		49.3	48.6		39.3			28.6			19.8			11.2		3.8	130	
135	60.1	63.2	61	59.6	62.1		58.1	59.4		54.9	56		49	48.7		39.2	37.9		28.3			19.6			11		3.6	135	
140	58	61.1	58.6	57.7	59.7		56.5	57		53.8	54		48.5	48.7		39.2	37.8		28	25.1		19.5			10.8		3.5	140	
145	55.9	59.1	56.3	55.8	57.4	53.3	54.8	54.8		52.5	51.9		47.6	48.4		39.2	37.7		27.8	24.5		19.3			10.6		3.3	145	
150	54	57.1	54.2	53.9	55.2	51.3	53.1	52.8	47.8	51.2	50		46.7	47.1		39.2	37.6		27.5	23.9		19.2	17.2		10.5		3.1	150	
155	52.1	55.2	52.2	52.1	53.3	49.4	51.5	50.8	46.5	49.9	48.1		45.8	45.4		39.2	37.5		27.2	23.3		19.1	16.9		10.3	9		155	
160	50.3	53.2	50.1	50.4	51.4	47.6	50	49	44.7	48.6	46.6	42	44.9	43.7		39.2	37.5		26.9	22.7		19	16.4		10.2	8.8		160	
165	48.2	51	48.1	48.6	49.5	45.8	48.4	47.3	43.1	47.3	45.7	40.4	43.9	43.1		39	37.3		26.6	22.2		19	15.9		10.1	8.6		165	
170	45.2	49	46.2	46.6	47.5	44	46.8	45.5	41.5	46	44.2	39	42.9	41.6	35.5	38.5	37.1		26.4	21.8		18.9	15.4		10	8.5		170	
175	42	47.2	44.4	44.3	45.7	42.2	45.3	44	39.9	44.7	42.5	37.5	42	40.2	34.2	38.1	36.8	20.7	26	21.3		18.8	15		10	8.3		175	
180	38.6	45.4	42.7	42	44	40.6	43.8	42.4	38.3	43.3	40.9	36	41	38.7	32.9	37.6	36	29.2	25.7	20.9		18.7	14.5		9.9	8.2		180	
185	34.2	43.7	41.1	38.5	42.3	39.1	41.8	40.8	36.8	42.2	39.3	34.6	40.1	37.2	31.5	37.1	34.6	28	25.4	20.4	17.2	18.6	14		9.9	8.1		185	
190	27.7	42.1	39.6	33.9	40.8	37.6	37.7	39.2	35.4	40.4	37.9	33.3	39.2	35.8	30.3	36.6	33.3	26.8	24.4	20	16.7	18.5	13.5		9.9	8		190	
195		37.8	38.2		39.3	36.2		37.8	34.1	36.4	36.5	32	37.7	34.5	29.1	36.1	32	25.7	23.7	19.5	16.1	18.5	13.1		9.9	7.9		195	
200			36.8		37.9	34.9		36.4	32.8		35.1	30.8		33.2	27.9	35.4	30.8	24.7	23.4	19.1	15.6	18.4	12.7	9.4	9.9	7.8		200	
205			35.5			33.6		35.1	31.6		33.8	29.6		32	26.9		29.6	23.7		18.7	15	18.4	12.2	9.1	9.9	7.7		205	
210						32.4				30.5		28.5		30.8	25.8		28.5	22.7		18.3	14.5		11.8	8.7		7.6	4.5	210	
215										29.4		27.5		29.6	24.8		27.4	21.8		17.9	14		11.5	8.4		7.5	4.3	215	
220										28.3		26.4			23.9		26.4	20.9		17.7	13.5		11.2	8.1		7.4	4	220	
225												25.5			23			20.1		17.5	13.1		11	7.8		7.2	3.8	225	
230															22.1			19.3				10.8	7.5		7	3.5		230	
235																		18.5				12.3	7.2		6.8	3.2		235	
240																						12	7					240	
245																						11.6	6.7					245	
250																							6.4						250
255																							6.2						255

\* adapter - piece d'adaptateur







# Lifting capacities

## Forces de levage

TN 218

53-191 ft, 218 ft, 360°, 295,400 lb, 16.4 ft, 19.7 ft, 23 ft, 85%

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°			
85	55.2			53.7																					85			
90	54.2			52.8			50.2			44.6																90		
95	53.2			52			49.6			44.6			37.6			29.3										95		
100	52.2			51.1			48.9			44.4			37.6			29.2			21.5							100		
105	51.2			50.3			48.2			44.2			37.6			29.2			21.2			13.5			6.4	105		
110	50.2			49.4			47.5			43.9			37.6			29.1			21			13.2			6.2	110		
115	49.3			48.6			46.9			43.6			37.6			29			20.7			13			5.9	115		
120	48.3	49.4		47.8			46.2			43.2			37.6			28.9			20.5			12.8			5.7	120		
125	47.5	48.5		46.9	48		45.5			42.8			37.5			28.7			20.2			12.6			5.5	125		
130	46.6	47.7		46.2	47.3		44.9	45.8		42.3			37.4			28.5			20			12.3			5.3	130		
135	45.8	46.8		45.5	46.5		44.2	45.2		41.9	41.6		37.4			28.3			19.8			12.1			5.1	135		
140	45	46		44.7	45.8		43.6	44.6		41.5	41.6		37.3			28.1			19.6			11.9			4.9	140		
145	44.2	45.3		44	45.1		43	44		41	41.5		37.2	35.7		28			19.4			11.7			4.7	145		
150	43.5	44.5		43.3	44.5		42.4	43.5		40.6	41.2		37.1	35.8		27.9	25.6		19.3			11.6			4.6	150		
155	42.8	43.8	44.5	42.7	43.8		41.8	42.9		40.1	40.8		37	35.7		27.7	25.5		19.1	17.3		11.4			4.4	155		
160	42.1	43.2	43.9	42.1	43.1		41.3	42.4		39.7	40.4		36.9	35.6		27.6	25.3		19	17.2		11.2			4.2	160		
165	41.4	42.5	43.2	41.5	42.6	43	40.8	41.8		39.3	40.1		36.7	35.6		27.5	25.2		18.8	17		11	9.6		4	165		
170	40.7	41.9	42.6	40.9	42	41.5	40.3	41.4	38.6	38.9	39.7		36.4	35.6		27.5	25.1		18.7	16.9		10.9	9.5		3.9	170		
175	39.9	41.2	42	40.3	41.4	40.3	39.8	40.8	37.2	38.6	39.1		36.2	35.6		27.5	25		18.6	16.7		10.8	9.3		3.7	175		
180	38.9	40.3	40.8	39.4	40.8	38.9	39.2	40	35.9	38.2	37.9	33.5	36	35.1		27.5	24.9		18.6	16.5		10.7	9.1		3.6	180		
185	38	39.4	39.5	38.5	40.1	37.6	38.4	38.9	35.1	37.7	36.6	32.3	35.8	33.9		27.5	24.9		18.5	16.3		10.6	9		3.4	185		
190	37	38.6	38.2	37.6	39.3	36.4	37.6	37.6	34	37.1	35.4	31.2	35.6	32.8	28.1	27.5	24.9		18.5	16		10.5	8.8		3.3	190		
195	35.8	37.7	36.9	36.6	38.3	35.2	36.8	36.4	32.9	36.5	34.6	30.2	35.3	32.1	27.1	27.5	24.9	22	18.5	15.6		10.4	8.7		3.2	195		
200	33.9	36.8	35.5	35.4	37.1	34	36	35.3	31.8	35.9	33.6	29.2	35.1	31.5	26.2	27.5	24.9	21.9	18.5	15.3		10.3	8.6			200		
205	31.8	36	34.2	34	35.7	32.7	35	34.2	30.7	35.3	32.6	28.2	34.8	30.5	25.3	27.5	24.9	21.9	18.5	15	12.5	10.3	8.5			205		
210	29.7	35	33	32.6	34.5	31.5	33.9	33.1	29.5	34.6	31.5	27.2	34.5	29.5	24.4	27.5	24.9	21.2	18.5	14.7	12.1	10.3	8.4			210		
215	27	33.8	31.9	30.8	33.3	30.4	32.9	31.9	28.5	33.9	30.3	26.2	33.5	28.5	23.5	27.5	24.9	20.4	18.5	14.4	11.7	10.3	8.3			215		
220	23.8	32.5	30.8	27.6	32.1	29.3	30.6	30.8	27.4	33.1	29.3	25.2	32.3	27.5	22.6	27.5	24.9	19.5	17.8	14.1	11.3	10.3	8.2	5.8		220		
225		30.4	29.7	23.8	31	28.3	27.3	29.7	26.4	30.3	28.2	24.2	31.3	26.5	21.7	27.5	24.3	18.7	17	13.8	10.9	10.3	8.2	5.6		225		
230		26.7	28.7		29.9	27.3		28.7	25.5	26.5	27.2	23.3	29.6	25.5	20.8	27.5	23.4	17.9	16.7	13.5	10.6	10.3	8.2	5.5		230		
235			27.7		28.6	26.3		27.7	24.6		26.3	22.5		24.6	20	26.7	22.5	17.2	15.7	13.3	10.3	10.3	8.1	5.4		235		
240					25.4			26.8	23.7		25.4	21.7			23.7	19.3		16.5		13	10		8	5.2		240		
245					24.5				22.9		24.5	20.9			22.9	18.5		15.8		12.8	9.7		7.8	5		245		
250									22.1			20.1			22	17.8		15.1		12.6	9.4		7.6	4.8		250		
255									21.2			19.4				17.1		14.5		12.4	9.1		7.4	4.5		255		
260												18.6				16.4		13.9		12.3	8.8		7.3	4.2		260		
265																		13.3			8.6			3.9		265		
270																					8.4				3.6		270	
275																						8.2				3.4		275
280																										3.1		280

\* adaptateur - piece d'adaptateur













# Equipment

## Crane carrier

<b>Frame</b>	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
<b>Outriggers</b>	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
<b>Engine</b>	8-cylinder Diesel, make Liebherr, watercooled, output 505 kW (686 h.p.), max. torque 2263 lb-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 225 gallons.
<b>Transmission</b>	Automatic transmission system with torque converter and intarder, make ZF, 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
<b>Axles</b>	Low maintenance crane chassis axles, all 8 axles steered. Axles 1, 2, 4 and 5 are planetary axles. Axles 4 and 5 with transversal differential locks, axles 2 and 4 with longitudinal differential locks.
<b>Suspension</b>	All axles are mounted on hydropneumatic suspension – “Niveumatik suspension” and are lockable hydraulically.
<b>Tyres</b>	16 tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
<b>Steering</b>	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
<b>Brakes</b>	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Additional brakes: exhaust flap brake, Telma Eddy current brake, intarder in gearbox. Hand brake: Spring-loaded, acting on all wheels of axles 3 to 7.
<b>Driver's cab</b>	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC.

## Crane superstructure

<b>Frame</b>	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
<b>Crane drive</b>	Mechanical drive of the crane hydraulic from the chassis. Variable axial piston pumps with servo control and power regulation.
<b>Control</b>	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.
<b>Hoist gear</b>	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.
<b>Luffing gear</b>	2 differential rams with pilot-controlled brake valve.
<b>Slewing gear</b>	2 axial piston constant motors, planetary gear, spring loaded multiple disk brake. Actuation by closed regulated oil circuit.
<b>Crane cab</b>	Large screen area, compound glass, comfort furnishing, cabin tiltable approx. 20° to rear.
<b>Safety devices</b>	LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.
<b>Telescopic boom</b>	1 base section and 6 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 53 ft to 279 ft.
<b>Counterweight</b>	295,400 lb, hydraulic ballasting device.

## Additional equipment

<b>K</b>	Swing away jib 23 ft – 115 ft Adjustment 0°; 10°; 20°; 40°
<b>F</b>	Fixed lattice jib 23 ft – 184 ft Adjustment 0°; 10°; 20°; 40°
<b>N</b>	Luffing fly jib 46 ft – 276 ft
<b>H</b>	Auxiliary jib 5 ft
<b>2<sup>nd</sup> hoist gear</b>	For the 2hook operation or as luffing winch.
<b>Tyres</b>	16 tyres, size 525/80 R 25 (20.5 R 25).

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 505 kW (686 ch), couple max. 2263 lb-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 225 gallons.
<b>Boîte de vitesse</b>	Boîte automatique avec convertisseur de couple et ralentisseur, marque ZF, 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
<b>Essieux</b>	Grues automotrices à faible entretien, 8 essieux directeurs. Essieux 1, 2, 4 et 5 planétaires. Essieux 4 et 5 avec blocages de différentiels transversaux, essieux 2 et 4 avec blocages de différentiels longitudinaux.
<b>Suspension</b>	Suspension hydropneumatique «Niveumatik» – sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
<b>Pneumatiques</b>	16 pneus. 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. Freins auxiliaire : par clapet sur échappement, frein Telma, ralentisseur monté sur boîte de vitesse. Frein de secours et frein à main : par cylindres à ressorts sur les essieux 3 à 7.
<b>Cabine</b>	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentblochs, 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>	2 vérin différentiel avec clapet de frein commandé.
<b>Dispositif de rotation</b>	2 moteur à débit constant et pistons axiaux, réducteur planétaire, frein d'arrêt à ressort commandé par ressort en circuit hydraulique ferme.
<b>Cabine de grue</b>	Large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de env. 20° 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>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: 53 ft – 279 ft.
<b>Contrepoids</b>	295,400 lb, dispositif de lestage hydraulique.

## Équipement supplémentaire

<b>K</b>	Flechette pliante 23 ft – 115 ft Positionnement 0°; 10°; 20°; 40°
<b>F</b>	Flechette treillis fixe 23 ft – 184 ft Positionnement 0°; 10°; 20°; 40°
<b>N</b>	Fléchette treillis à volée variable 46 ft – 276 ft
<b>H</b>	Fléchette auxiliaire 5 ft
<b>2ème mécanisme de levage</b>	Pour le mode double crochet ou comme treuil de manœuvre de la volée.
<b>Pneumatiques</b>	16 pneus. Taille: 525/80 R 25 (20.5 R 25).

Autres équipements supplémentaires sur demande.

# Description of symbols

## Explication des symboles



**Max. capacity**  
Capacité max.



**Outriggers rear**  
Calage arrière



**Telescopic boom**  
Flèche télescopique



**Max. hoist height**  
Hauteur de levage max.



**Crane superstructure**  
Partie tournante de la grue



**Swing away jib**  
Fléchette pliante



**Max. radius**  
Portée max.



**infinitely variable**  
en continu



**Fixed lattice jib**  
Fléchette treillis fixe



**Tyres**  
Pneumatiques



**Rope diameter**  
Diamètre



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



**Hookblock/Capacity**  
Moufle à crochet/Capacité de charge



**Rope length**  
Longueur du câble



**No. of sheaves**  
Poulies



**Max. single line pull**  
Effort au brin maxi.



**No. of lines**  
Brins



**Hoist gear**  
Treuil de levage



**Weight**  
Poids



**Slewing speeds**  
Vitesses d'orientation



**Crane carrier**  
Châssis porteur



**Boom length**  
Longueur de la flèche



**Driving speed**  
Vitesse de translation



**Boom position**  
Position de la flèche



**Gradability**  
Aptitude à gravir les pentes



**Counterweight**  
Contrepoids



**Transmission**  
Boîte de vitesse



**Counterweight radius**  
Rayon de contrepoids



**Gear**  
Vitesse



**Outriggers**  
Calage



**Onroad gear**  
Vitesse de route



**Slewing gear / Working area**  
Mécanisme d'orientation / Plage de travail



**Max. supporting forces**  
Forces d'appui max.



**Standard**  
Norme



**Outriggers front**  
Calage avant



**Radius**  
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 centre.
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 444,200 lb/527,600 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 pictures contain also 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 444,200 lb/527,600 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.



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## 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)

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