

# Mobile Crane/Grue mobile

## **LTM 1450-8.1**

Fast-Erecting Crane  
Grue d'intervention rapide



**550 USt**



**279 ft**



**328 ft**



**430 ft**



# **LIEBHERR**

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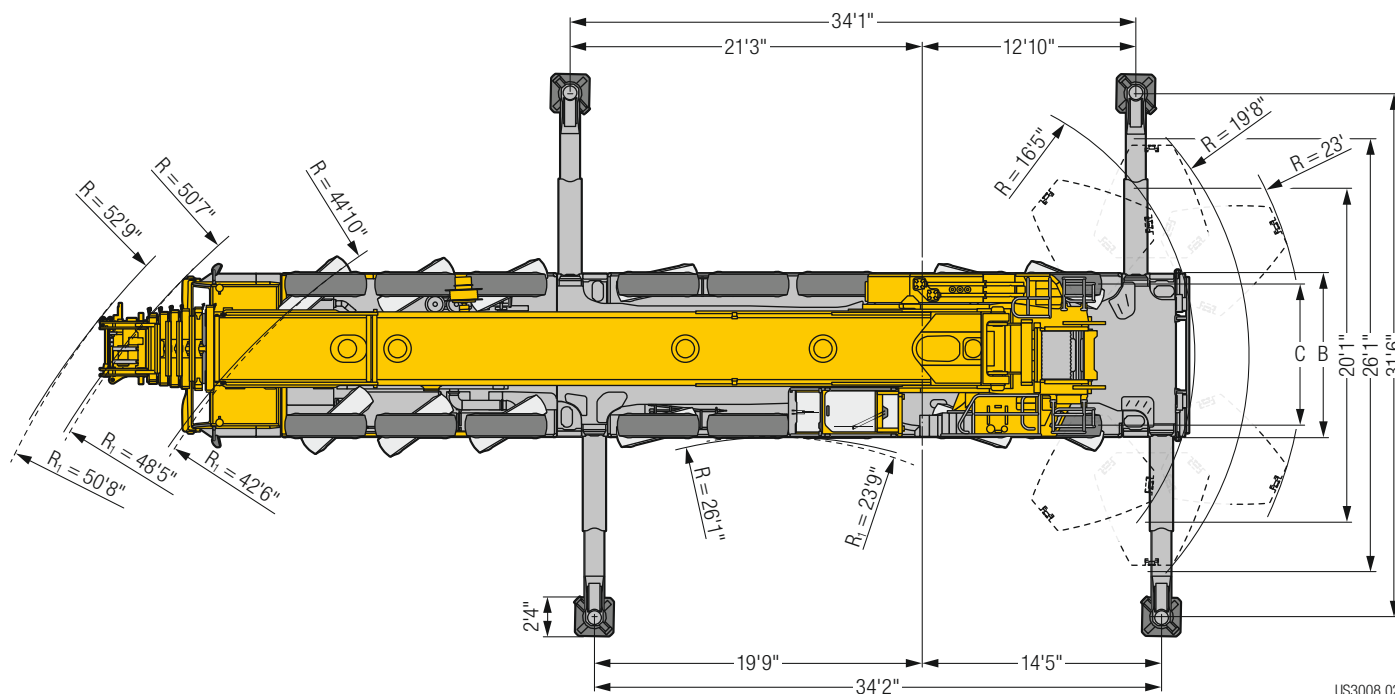
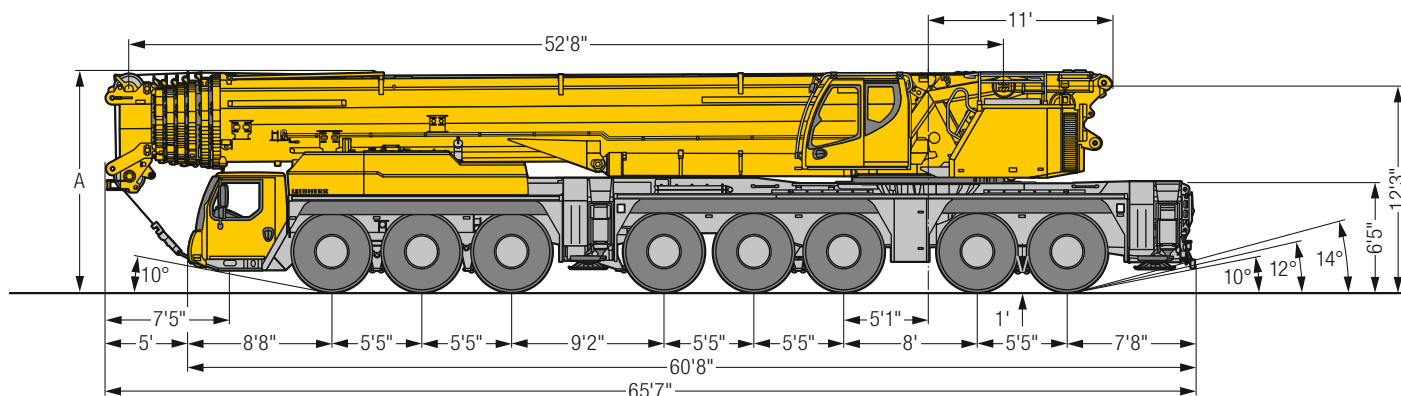
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# Dimensions Encombremment



US3008.02

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

## Dimensions/Encombremment

	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 · abaisse

# Mobile Crane / Grue mobile

## LTM 1450-8.1



279 ft



46 ft – 276 ft



46 ft – 184 ft



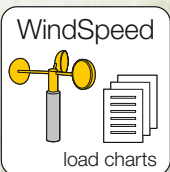
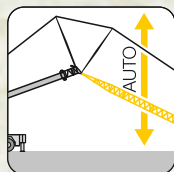
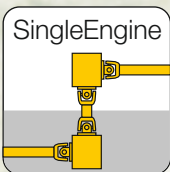
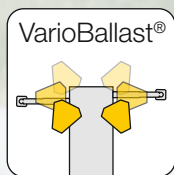
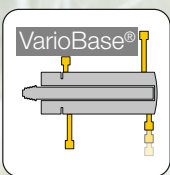
23 ft – 115 ft



VarioBallast  
295,400 lbs

€COmode

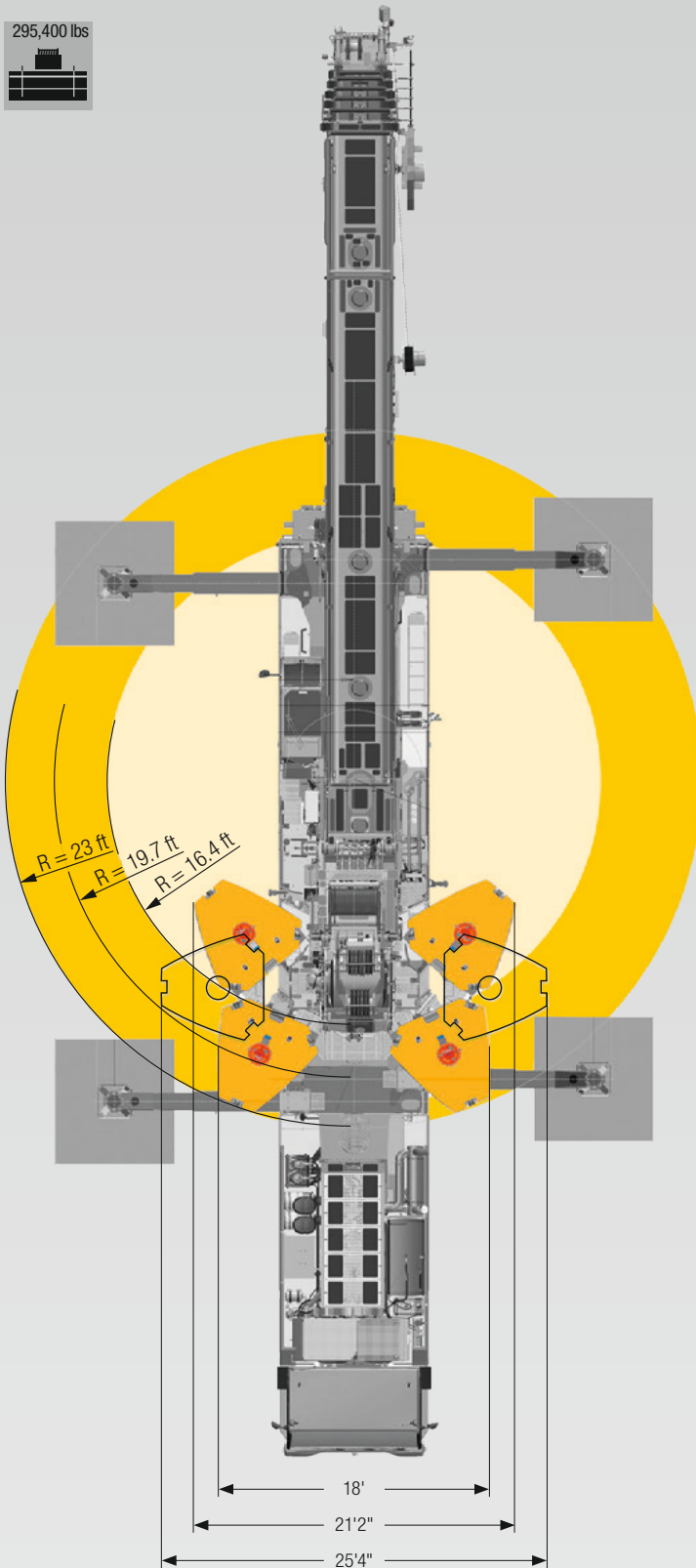
€COdrive





# VarioBallast

295,400 lbs



S3079

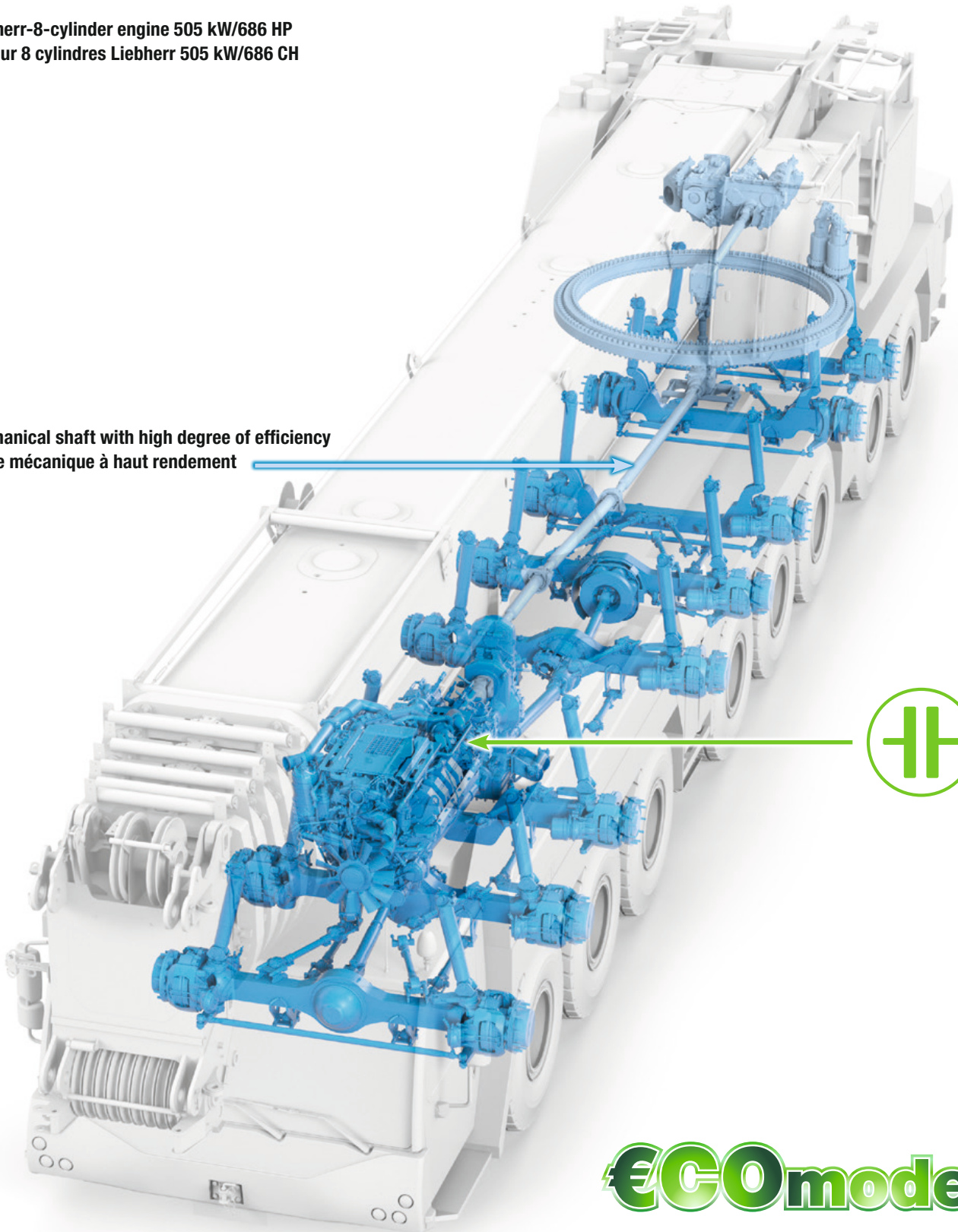


# Liebherr Single-Engine Concept

## Concept de moteur unique Liebherr

Liebherr-8-cylinder engine 505 kW/686 HP  
Moteur 8 cylindres Liebherr 505 kW/686 CH

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

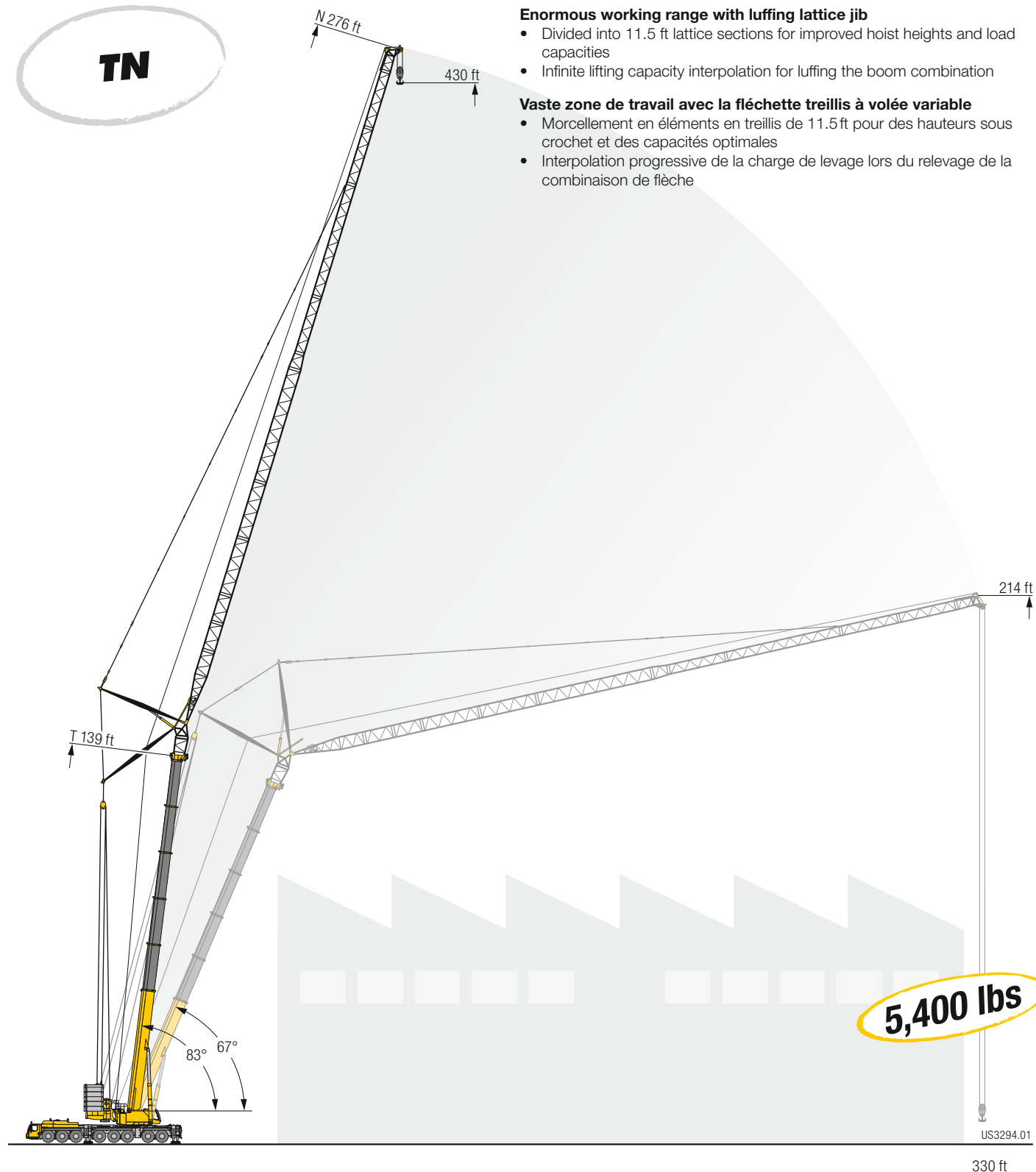


€COmode

# Variable boom systems

## Systèmes de flèche variables

**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

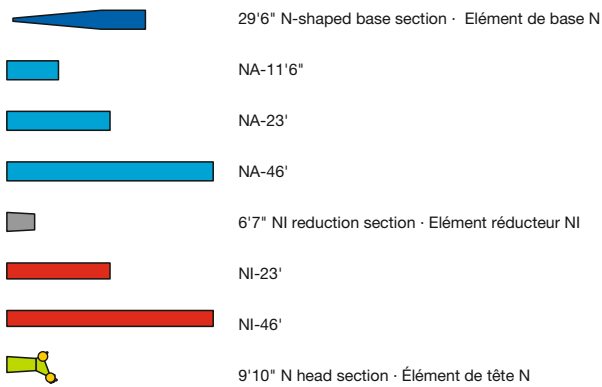
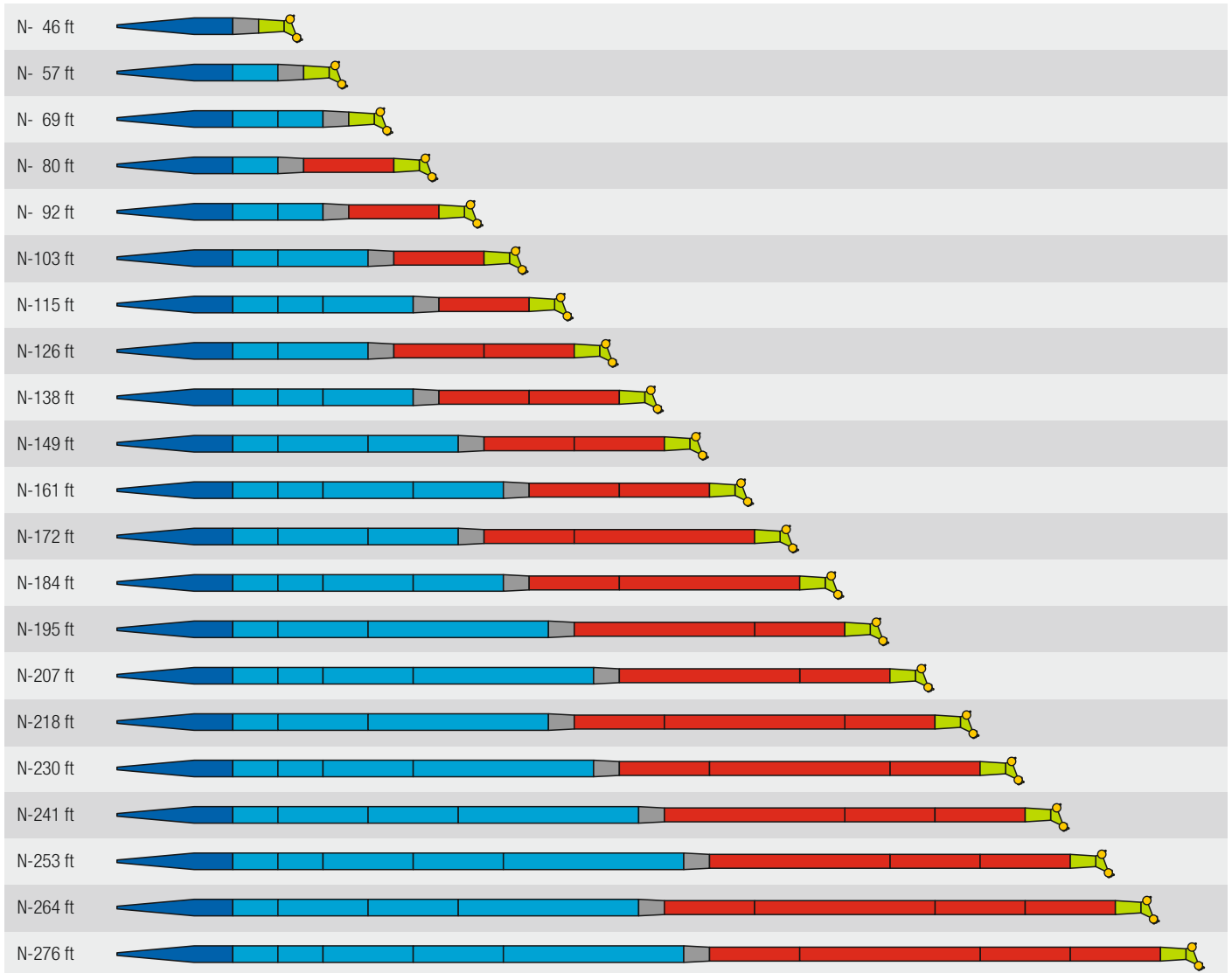
- Morcellement en éléments en treillis de 11.5 ft pour des hauteurs sous crochet et des capacités optimales
- Interpolation progressive de la charge de levage lors du relevage de la combinaison de flèche

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



# Boom/jib combinations - Luffing fly jib

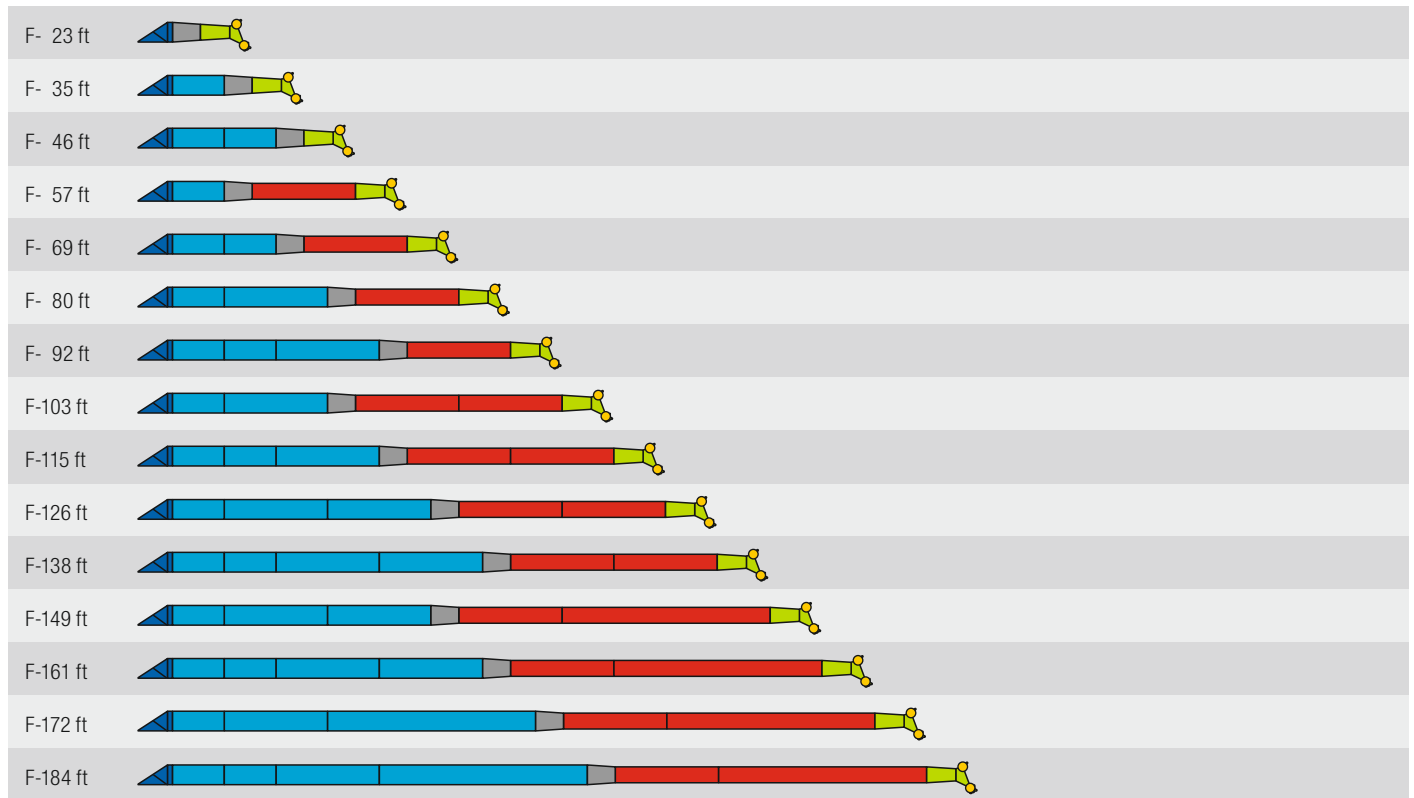
## Configurations de flèche - Fléchette à volée variable











US3070

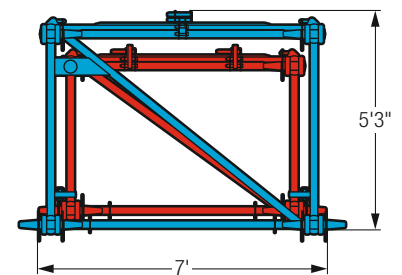
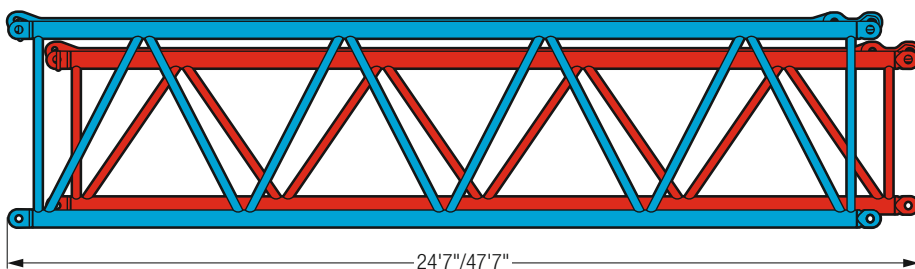
# Boom/jib combinations - Fixed fly jib

## 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

US3068



US3069

# Boom/jib combinations Configurations de flèche

- T** Telescopic boom/Flèche télescopique
- K** Swing away jib/Flechette pliante
- F** Fixed lattice jib/Fléchette treillis fixe
- N** Luffing fly jib/Fléchette treillis à volée variable
- H** Auxiliary jib/Fléchette auxiliaire



**T**  
15 – 21

**TK**  
22 – 37





**TFH**  
38 – 76

**TNH**  
77 – 97

S3012.01






# Weights Poids

## Hook block/Moufles à crochet











			
527,600 lbs	11	22	8,160 lbs
444,200 lbs	9	18	7,275 lbs
378,300 lbs	7	15	7,715 lbs
285,700 lbs	5	11	6,835 lbs
187,100 lbs	3	7	5,730 lbs
82,600 lbs	1	3	3,090 lbs
28,000 lbs	–	1	1,545 lbs

# Working speeds Vitesses

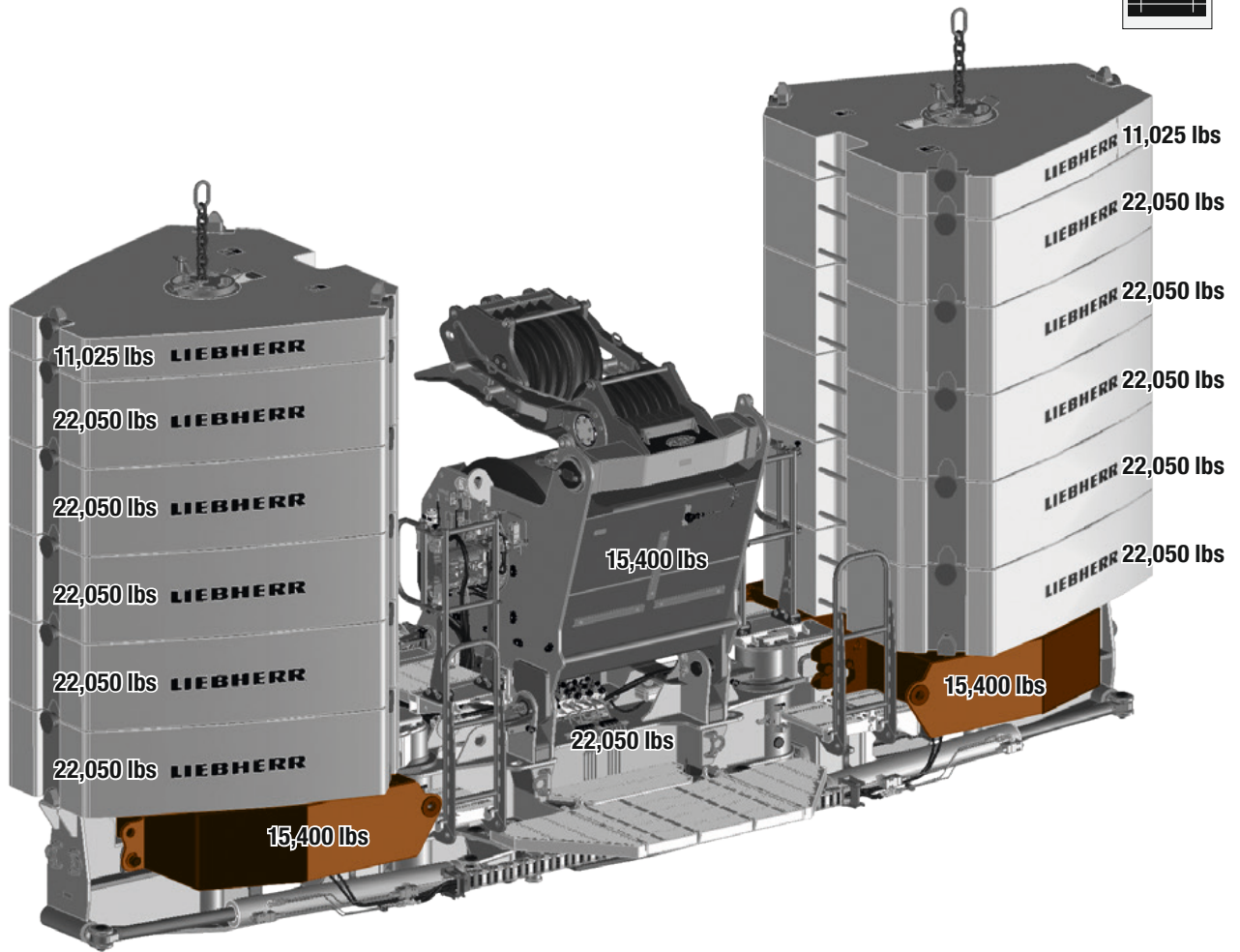
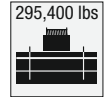
## Crane carrier/Châssis porteur

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



## Crane superstructure/Partie tournante

				
	0 – 446 ft/min single line ft/min au brin simple	0.98"	1705 ft	28,325 lbs
	0 – 502 ft/min single line ft/min au brin simple	0.98"	3035 ft	28,325 lbs
	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			

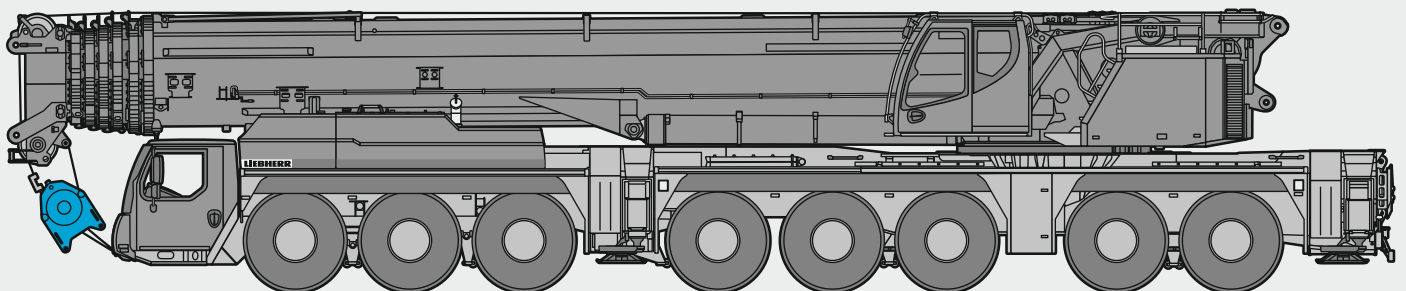
# Counterweight Contrepoids



## Axle/Essieu

	1	2	3	4	5	6	7	8	
lbs	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	211,200 <sup>1)</sup>

<sup>1)</sup> with sheave set - avec jeu de poulies

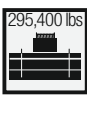


S3071



# Lifting capacities Forces de levage

T



85%

	53 ft	70 ft	87 ft	105 ft	108 ft	122 ft	139 ft	145 ft	157 ft	163 ft	174 ft	183 ft	191 ft	
10	992.1	444.3	426.4											10
11	747.3	444.3	427.4											11
12	527.6	444.3	428.5	415.7										12
13	527.6	444.3	429.7	416.7										13
14	527.6	444.3	431.2	417.7	361.1									14
15	527.6	444.3	433	418.7	404.6									15
16	527.6	444.3	434.8	419.7	400.5	194.6								16
17	527.6	444.3	436.6	420.6	396.3	190.6								17
18	527.6	444.3	438.4	421	392.1	186.2	365.6							18
19	527	444.3	440.1	421.2	387.9	181.7	362.1							19
20	525.1	443.8	441.2	421.4	383.6	177.3	357							20
22	489.2	425.3	424.3	414.8	370.8	168.7	346.7	275.2						22
24	448.2	398	397.3	388.8	366.2	160.9	336.5	266.4	116.5	166.3				24
26	412.7	372.7	372.3	369.5	357.4	153.7	326.3	257.4	112.8	228.6	100.2			26
28	382.3	349.9	351.4	348.2	336.6	146.5	315.5	248.4	109.2	221.6	97.3	154.7		28
30	355.8	328.9	330.4	328	317.4	139.3	304.7	239.9	105.5	214.7	94.5	149.9	85.1	30
32	332.2	309.1	310.9	310.1	300	132.2	291.6	232.4	102	207.7	91.6	145.1	83.3	127
34	311.5	291.5	294.2	293.6	284.2	127	276.7	225.7	98.9	200.9	88.7	140.3	81.3	123.8
36	292.9	275.4	278.6	278.2	269.8	122.2	263.1	219.1	96	194.4	85.9	136.1	79.3	120.5
38	276.1	260.9	264.1	264	257.1	117.4	250.7	212.5	93.1	188.4	83.5	132.7	77.3	117.5
40	261.1	247.7	250.9	250.9	244.8	112.6	239.2	205.9	90.2	182.5	81.4	129.6	75.3	114.7
45	228.8	219	222.3	222.2	219.8	101.3	213.3	191	83	167.5	76.1	122.8	71	108.2
50			197.5	197.5	197.6	93.3	191.1	179.5	77.7	153.5	70.7	116	67.2	102.6
55			176.2	176.3	177.4	85.6	172.7	168	72.6	143.1	66.2	109.4	63.5	97
60			158.3	158.2	159.5	77.9	156.5	155.8	67.6	132.9	62.2	104.4	59.7	91.6
65			133	144.1	144.3	72.3	142.4	142.8	63.2	123	58.3	99.6	56.9	86.8
70				132	131.4	67.5	129.5	131.3	59.6	114.6	54.3	94.9	54	82.8
75				121	120.3	62.8	120.8	121.2	56	108.1	51.2	90.3	51.1	78.8
80				111.5	110.7	58.8	113.5	112	52.4	101.6	48.3	86.6	48.1	74.8
85					102.2	55.5	105.1	103.4	48.8	95	45.4	83.3	45.8	71
90					94.8	52.2	97.6	95.9	46.5	88.5	42.5	79.9	43.6	68.1
95					88.3	49.5	90.9	89.1	44.2	83.3	39.6	76.6	41.5	65.3
100					67.2	47	85	83.1	41.9	78.9	37.4	73.2	39.3	62.6
105							79.6	77.7	39.6	74.4	35.5	70.1	37.1	59.8
110							74.8	72.7	37.7	69.9	33.6	67.2	35.2	57.1
115							69.9	68.2	36.1	65.6	31.7	64.4	33.5	54.5
120								64	34.5	61.4	29.9	61.6	32.1	52.2
125								60.3	33	57.6	28.5	58.7	30.6	50.2
130								57	31.8	55.1	27.2	56	29.1	48.1
135									30.6	53.2	25.9	53.2	27.7	46.1
140									30	51.9	24.5	50.1	26.6	44
145										50.1	23.5	47.3	25.5	42.1
150										43.7	22.5	44.6	24.5	40.5
155											21.6	42.2	23.4	38.8
160												39.9	22.4	37.1
165												37.8	21.7	35.5
170													21	34.1
175													20.4	32.6
180														30.8
185														25.9

\* over rear - en arrière

# Lifting capacities Forces de levage

T



85%

	201 ft	209 ft	218 ft	226 ft	235 ft	241 ft	243 ft	253 ft	259 ft	261 ft	270 ft	276 ft	279 ft	
34	75.2													34
36	73.7	103												36
38	72.3	100.7	69											38
40	70.8	98.4	67.8	84.7										40
45	67.3	92.6	64.9	80.5	61	57.3	69.3	57.1						45
50	63.9	87.1	62.1	76.4	58.6	55.1	66.7	55.3	50.9	56.4	49.7			50
55	60.8	82.6	59.3	72.2	56.2	52.8	64	53.4	49.2	54.7	48.5	45.4	43.6	55
60	57.7	78.6	56.8	68.6	54	50.6	61.2	51.6	47.6	53.1	47.2	44	42.2	60
65	54.6	74.6	54.2	65.2	52	48.6	58.6	49.8	45.9	51.4	45.8	42.6	40.7	65
70	52	70.9	51.6	62.4	50	46.7	55.9	48.2	44.3	49.6	44.5	41.3	39.3	70
75	49.7	67.8	49.3	59.6	48	44.7	53.3	46.6	42.8	47.6	43.1	40	37.9	75
80	47.3	64.8	47.4	57.2	46	42.7	50.6	44.9	41.2	45.6	41.8	38.7	36.5	80
85	45	61.9	45.4	55	44.4	40.9	48.1	43.3	39.6	43.6	40.5	37.5	35.1	85
90	42.8	58.9	43.5	52.8	42.8	39.2	45.9	41.9	38.2	41.6	39.1	36.2	33.7	90
95	40.8	56.3	41.6	50.6	41.3	37.6	44.3	40.5	36.8	39.8	37.8	35	32.4	95
100	39.1	54	39.9	48.5	39.7	36	42.6	39.3	35.5	38	36.4	33.8	31.1	100
105	37.3	52	38.3	46.4	38.2	34.4	41	38	34.2	36.4	35	32.6	29.8	105
110	35.5	49.9	36.8	44.8	36.7	32.8	39.4	36.8	32.9	34.7	33.6	31.4	28.7	110
115	33.8	47.9	35.4	43.2	35.4	31.3	37.8	35.5	31.5	33.1	32.1	30.2	27.5	115
120	32	45.8	33.9	41.6	34.1	30.1	36.5	34.3	30.2	31.5	30.7	29.1	26.3	120
125	30.6	43.8	32.5	40	32.9	28.8	35.3	33.2	29.1	30	29.3	27.9	25.2	125
130	29.3	41.9	31	38.4	31.6	27.6	34.1	32.1	28.1	28.7	28	26.7	24	130
135	28.1	40.4	29.7	36.8	30.3	26.3	32.9	31	27.1	27.4	26.8	25.6	23	135
140	26.9	38.8	28.7	35.3	29	25.1	31.7	30	26	26.2	25.7	24.6	22	140
145	25.6	37.2	27.6	34	27.7	23.8	30.5	28.9	25	24.9	24.6	23.5	21.1	145
150	24.4	35.6	26.6	32.8	26.6	22.6	29.3	27.8	24	23.7	23.4	22.5	20.2	150
155	23.4	34.1	25.6	31.6	25.6	21.6	28.1	26.7	23	22.4	22.3	21.5	19.3	155
160	22.5	32.7	24.5	30.4	24.6	20.6	27.1	25.7	22	21.2	21.2	20.4	18.5	160
165	21.6	31.5	23.5	29.1	23.5	19.6	26.1	24.8	21	20	20.1	19.4	17.6	165
170	20.7	30.4	22.7	27.9	22.5	18.6	25.2	23.9	20.2	19	19.1	18.3	16.7	170
175	19.8	29.2	22	26.9	21.5	17.6	24.2	23	19.4	18.1	18.1	17.3	15.8	175
180	19	28	21.2	26	20.5	16.6	23.2	22.2	18.6	17.1	17.2	16.4	15	180
185	18.3	26.9	20.4	25.1	19.7	15.7	22.2	21.3	17.7	16.1	16.3	15.6	14.3	185
190	17.6	26	19.7	24.2	18.9	15	21.4	20.4	16.9	15.2	15.4	14.8	13.6	190
195	17.2	25	19	23.3	18.2	14.3	20.7	19.6	16.1	14.2	14.5	14	12.9	195
200		23.3	18.5	22.4	17.4	13.6	19.9	18.9	15.3	13.3	13.6	13.1	12.2	200
205			17.9	21.7	16.6	12.9	19.2	18.3	14.7	12.6	12.7	12.3	11.5	205
210			17.5	21	15.9	12.2	18.5	17.7	14.1	11.9	12	11.5	10.8	210
215				20.3	15.4	11.6	17.8	17	13.5	11.2	11.4	10.8	10.1	215
220				15.3	14.8	11.1	17.3	16.4	12.9	10.6	10.8	10.2	9.5	220
225					14.3	10.7	16.8	15.8	12.3	9.9	10.2	9.6	9	225
230					10.7	10.2	16.3	15.3	11.7	9.2	9.6	9.1	8.5	230
235						10.1	14.9	14.9	11.3	8.7	9	8.5	8	235
240								14.5	10.9	8.2	8.4	8	7.5	240
245								11.8	10.6	7.8	7.9	7.4	7	245
250									10.3	7.3	7.5	6.9	6.5	250
255										5.3	7	6.5	6	255
260											6.5	6	5.5	260
265												5.6	5.1	265
270												3.5	4.7	270



# Lifting capacities Forces de levage

T



85%

	53 ft	70 ft	87 ft	105 ft	108 ft	122 ft	139 ft	145 ft	157 ft	163 ft	174 ft	183 ft	191 ft	
10	444.3	426.4												10
11	444.3	427.4												11
12	444.3	428.5	415.7											12
13	444.3	429.7	416.7											13
14	444.3	431.2	417.7	361.1										14
15	444.3	433	418.7	404.6										15
16	444.3	434.8	419.7	400.5	194.6									16
17	444.3	436.6	420.6	396.3	190.6									17
18	444.3	438.4	421	392.1	186.2	365.6								18
19	443.1	440.1	421.2	387.9	181.7	362.1								19
20	440.5	437.1	421.4	383.6	177.3	357								20
22	409	408.1	396	370.8	168.7	346.7	275.2							22
24	380	379.2	369	359.1	160.9	336.5	266.4	116.5	166.3					24
26	353.1	354.7	348.7	336.4	153.7	325.3	257.4	112.8	228.6	100.2				26
28	329.5	331.2	327.3	316.2	146.5	306.3	248.4	109.2	221.6	97.3	154.7			28
30	308.7	311.8	308.1	299.1	139.3	289	239.9	105.5	214.7	94.5	149.9	85.1		30
32	289.9	293.1	290.6	283.3	132.2	272	232.4	102	207.7	91.6	145.1	83.3	127	32
34	272.6	275.9	274	267.1	127	256.8	225.7	98.9	200.9	88.7	140.3	81.3	123.8	34
36	256	259.6	258.3	252.4	122.2	242.9	219.1	96	194.4	85.9	136.1	79.3	120.5	36
38	241.1	244.7	244.4	239.5	117.4	230.3	212.5	93.1	188.4	83.5	132.7	77.3	117.5	38
40	226.9	230.8	230.9	227	112.6	218.2	205.9	90.2	182.5	81.4	129.6	75.3	114.7	40
45	196.2	200.2	202	199.7	101.3	192.5	189.3	83	167.5	76.1	122.8	71	108.2	45
50		175.9	177.7	177.2	93.3	171.2	170	77.7	153.5	70.7	116	67.2	102.6	50
55		156.2	157.9	157.4	85.6	156.7	152.6	72.6	143	66.2	109.4	63.5	97	55
60		141.5	141.6	141.2	77.9	142.9	137.9	67.6	131.8	62.2	104.4	59.7	91.6	60
65		128.3	128	127.5	72.3	129.9	125.3	63.2	119.9	58.3	99.6	56.9	86.8	65
70			116.2	115.6	67.5	118.5	114.5	59.6	109.4	54.3	94.9	54	82.8	70
75			105.8	106.7	62.8	108.1	105	56	100	51.2	90.3	51.1	78.8	75
80			96.7	100	58.8	98.9	96.4	52.4	91.8	48.3	86.6	48.1	74.8	80
85				91.8	55.5	90.7	88.8	48.8	84.5	45.4	83.3	45.8	71	85
90				84.7	52.2	83.5	81.7	46.5	78.1	42.5	78.9	43.6	68.1	90
95				78.6	49.5	77.2	75.3	44.2	72.3	39.6	73.7	41.5	65.3	95
100				67.2	47	71.6	69.6	41.9	69.2	37.4	68.6	39.3	62.6	100
105						66.4	64.2	39.6	66.3	35.5	64	37.1	59.8	105
110						61.6	59.3	37.7	62.3	33.6	59.4	35.2	57.1	110
115						57.4	56.1	36.1	57.7	31.7	55	33.5	53.7	115
120							53.9	34.5	53.7	29.9	50.9	32.1	49.9	120
125							52.2	33	50.1	28.5	47.3	30.6	46.2	125
130							49.2	31.8	46.8	27.2	44	29.1	42.8	130
135								30.6	43.8	25.9	41.6	27.7	39.8	135
140								30	41	24.5	39.9	26.6	36.9	140
145									38.5	23.5	37.9	25.5	34.3	145
150									36.4	22.5	35.6	24.5	32.7	150
155										21.6	33.4	23.4	31.5	155
160											31.4	22.4	30.3	160
165											29.6	21.7	29.1	165
170												21	28.1	170
175												20.4	27.1	175
180													25.6	180
185													24.3	185

# Lifting capacities Forces de levage

T



85%

	201 ft	209 ft	218 ft	226 ft	235 ft	241 ft	243 ft	253 ft	259 ft	261 ft	270 ft	276 ft	279 ft	
34	75.2													34
36	73.7	103												36
38	72.3	100.7	69											38
40	70.8	98.4	67.8	84.7										40
45	67.3	92.6	64.9	80.5	61	57.3	69.3	57.1						45
50	63.9	87.1	62.1	76.4	58.6	55.1	66.7	55.3	50.9	56.4	49.7			50
55	60.8	82.6	59.3	72.2	56.2	52.8	64	53.4	49.2	54.7	48.5	45.4	43.6	55
60	57.7	78.6	56.8	68.6	54	50.6	61.2	51.6	47.6	53.1	47.2	44	42.2	60
65	54.6	74.6	54.2	65.2	52	48.6	58.6	49.8	45.9	51.4	45.8	42.6	40.7	65
70	52	70.9	51.6	62.4	50	46.7	55.9	48.2	44.3	49.6	44.5	41.3	39.3	70
75	49.7	67.8	49.3	59.6	48	44.7	53.3	46.6	42.8	47.6	43.1	40	37.9	75
80	47.3	64.8	47.4	57.2	46	42.7	50.6	44.9	41.2	45.6	41.8	38.7	36.5	80
85	45	61.9	45.4	55	44.4	40.9	48.1	43.3	39.6	43.6	40.5	37.5	35.1	85
90	42.8	58.9	43.5	52.8	42.8	39.2	45.9	41.9	38.2	41.6	39.1	36.2	33.7	90
95	40.8	56.3	41.6	50.6	41.3	37.6	44.3	40.5	36.8	39.8	37.8	35	32.4	95
100	39.1	54	39.9	48.5	39.7	36	42.6	39.3	35.5	38	36.4	33.8	31.1	100
105	37.3	52	38.3	46.4	38.2	34.4	41	38	34.2	36.4	35	32.6	29.8	105
110	35.5	49.9	36.8	44.8	36.7	32.8	39.4	36.8	32.9	34.7	33.6	31.4	28.7	110
115	33.8	47.9	35.4	43.2	35.4	31.3	37.8	35.5	31.5	33.1	32.1	30.2	27.5	115
120	32	45.8	33.9	41.6	34.1	30.1	36.5	34.3	30.2	31.5	30.7	29.1	26.3	120
125	30.6	43.8	32.5	40	32.9	28.8	35.3	33.2	29.1	30	29.3	27.9	25.2	125
130	29.3	41.9	31	38.4	31.6	27.6	34.1	32.1	28.1	28.7	28	26.7	24	130
135	28.1	39.8	29.7	36.8	30.3	26.3	32.9	31	27.1	27.4	26.8	25.6	23	135
140	26.9	37	28.7	35.3	29	25.1	31.7	30	26	26.2	25.7	24.6	22	140
145	25.6	34.4	27.6	34	27.7	23.8	30.5	28.9	25	24.9	24.6	23.5	21.1	145
150	24.4	32	26.6	32.8	26.6	22.6	29.3	27.8	24	23.7	23.4	22.5	20.2	150
155	23.4	29.7	25.6	31.1	25.6	21.6	28.1	26.7	23	22.4	22.3	21.5	19.3	155
160	22.5	27.7	24.5	29.1	24.6	20.6	27.1	25.7	22	21.2	21.2	20.4	18.5	160
165	21.6	26.6	23.5	27.1	23.5	19.6	26.1	24.8	21	20	20.1	19.4	17.6	165
170	20.7	25.5	22.7	25.3	22.5	18.6	25.1	23.9	20.2	19	19.1	18.3	16.7	170
175	19.8	24.5	22	23.6	21.5	17.6	24	23	19.4	18.1	18.1	17.3	15.8	175
180	19	23.4	21.2	22	20.5	16.6	22.4	22.2	18.6	17.1	17.2	16.4	15	180
185	18.3	22	20.4	20.6	19.7	15.7	20.9	21.2	17.7	16.1	16.3	15.6	14.3	185
190	17.6	21.1	19.7	19.6	18.9	15	19.5	20	16.9	15.2	15.4	14.8	13.6	190
195	17.2	20.4	19	18.8	18.2	14.3	18.2	18.6	16.1	14.2	14.5	14	12.9	195
200		19.8	18.5	18	17.4	13.6	16.9	17.4	15.3	13.3	13.6	13.1	12.2	200
205			17.9	17.3	16.6	12.9	15.8	16.2	14.7	12.6	12.7	12.3	11.5	205
210			17.5	16.3	15.9	12.2	14.7	15.1	14.1	11.9	12	11.5	10.8	210
215				15.3	15.4	11.6	13.6	14	13.5	11.2	11.4	10.8	10.1	215
220				14.4	14.7	11.1	12.6	13.1	12.9	10.5	10.8	10.2	9.5	220
225					13.8	10.7	11.7	12.1	12.1	9.5	10.1	9.6	9	225
230					10.7	10.2	10.9	11.2	11.2	8.6	9.3	9	8.5	230
235						10.1	10.1	10.4	10.3	7.8	8.4	8.3	7.9	235
240								9.6	9.5	7	7.6	7.4	7.1	240
245								8.9	8.7	6.2	6.8	6.7	6.3	245
250									8	5.5	6.1	5.9	5.6	250
255										4.8	5.4	5.2	4.9	255
260											4.7	4.5	4.2	260
265												3.9	3.5	265

# Lifting capacities Forces de levage

T



85%

	53 ft	70 ft	87 ft	105 ft	108 ft	122 ft	139 ft	145 ft	157 ft	163 ft	174 ft	183 ft	191 ft	
10	444.3	426.4												10
11	444.3	427.4												11
12	444.3	428.5	415.7											12
13	444.3	429.7	416.7											13
14	444.3	431.2	417.7	361.1										14
15	444.3	433	418.7	404.6										15
16	444.3	434.8	419.7	400.5	194.6									16
17	444.3	436.6	420.6	396.3	190.6									17
18	435.3	428.3	411.2	390.9	186.2	365.6								18
19	417.4	412.7	397.8	378.9	181.7	361.2								19
20	398.9	395.6	380.9	362.2	177.3	351.2								20
22	366.1	364.4	353.9	340.6	168.7	323.4	275.2							22
24	334.6	336.6	325.5	313.5	160.9	297.5	266.4	116.5	166.3					24
26	306.3	309.6	301	289.3	153.7	275	257.4	112.8	228.6	100.2				26
28	280.9	284.9	278.6	268	146.5	254.3	245.1	109.2	221.5	97.3	154.7			28
30	258.3	262.5	257.7	248.2	139.3	239.4	229	105.5	214	94.5	149.9	85.1		30
32	238.1	242.4	239.5	230.6	132.2	224.9	213.6	102	199.3	91.6	145.1	83.3	127	32
34	220.2	224.5	223	215	127	210.3	197.2	98.9	183.9	88.7	140.3	81.3	123.8	34
36	204.2	208.5	207.9	204.8	122.2	194.2	182.3	96	169.9	85.9	136.1	79.3	120.5	36
38	189	193.8	193.7	190.8	117.4	179.9	169.2	93.1	157.8	83.5	132.7	77.3	117.5	38
40	175.4	182.1	181.1	177.2	112.6	167.3	157.5	90.2	147.1	81.4	129.6	75.3	114.7	40
45	144.8	153.3	155.8	149.6	101.3	141.9	133.5	83	124.7	76.1	122.8	71	108.2	45
50		126.4	130.8	128.4	93.3	121.8	115.1	77.7	113.8	70.7	107.4	67.2	102.2	50
55		106.3	110.4	111.2	85.6	106.2	105	72.6	100.8	66.2	94.7	63.5	89.6	55
60		90.8	94.6	95.6	77.9	93.4	94.8	67.6	89	62.2	86	59.7	80.2	60
65		78.6	82.2	83	72.3	84.8	84.5	63.2	79.5	58.3	76.7	56.9	71.9	65
70			72.6	72.8	67.5	76.6	75.6	59.6	72	54.3	68.8	54	67	70
75			64.2	64.7	62.8	68	67.1	56	64.9	51.2	62.7	51.1	61.5	75
80			57.2	60.5	58.8	60.8	59.8	52.4	60.4	48.3	58.2	48.1	55.6	80
85				54.4	55	54.7	53.6	48.8	55.3	45.4	53.3	45.8	50.5	85
90				49.2	49.8	49.3	50.2	46.5	49.9	42.5	48.3	43.6	46.8	90
95				44.7	45.2	44.7	46.3	44.2	45.2	39.6	44.9	41.5	43.2	95
100				41	41.3	40.7	42.2	41.9	41	37.4	41.4	39.3	39.7	100
105						37.2	38.6	39	37.4	35.5	37.7	37.1	36.2	105
110						34.5	35.3	35.8	34.4	33.6	34.4	34.7	33	110
115						31.7	32.4	32.9	31.6	31.7	31.5	31.9	30.1	115
120							29.8	30.3	29	29.6	28.8	29.2	27.4	120
125							27.5	27.9	26.6	27.2	26.4	26.8	25	125
130							25.4	25.8	24.4	25	24.2	24.6	22.8	130
135								23.9	22.5	23	22.2	22.6	20.8	135
140								22.2	20.7	21.2	20.4	20.8	19	140
145									19.1	19.6	18.8	19.1	17.3	145
150									17.7	18.1	17.2	17.5	15.7	150
155										16.7	15.8	16.1	14.3	155
160											14.5	14.8	13	160
165											13.4	13.6	11.8	165
170												12.5	10.6	170
175												11.5	9.6	175
180													8.7	180
185													7.8	185

# Lifting capacities Forces de levage

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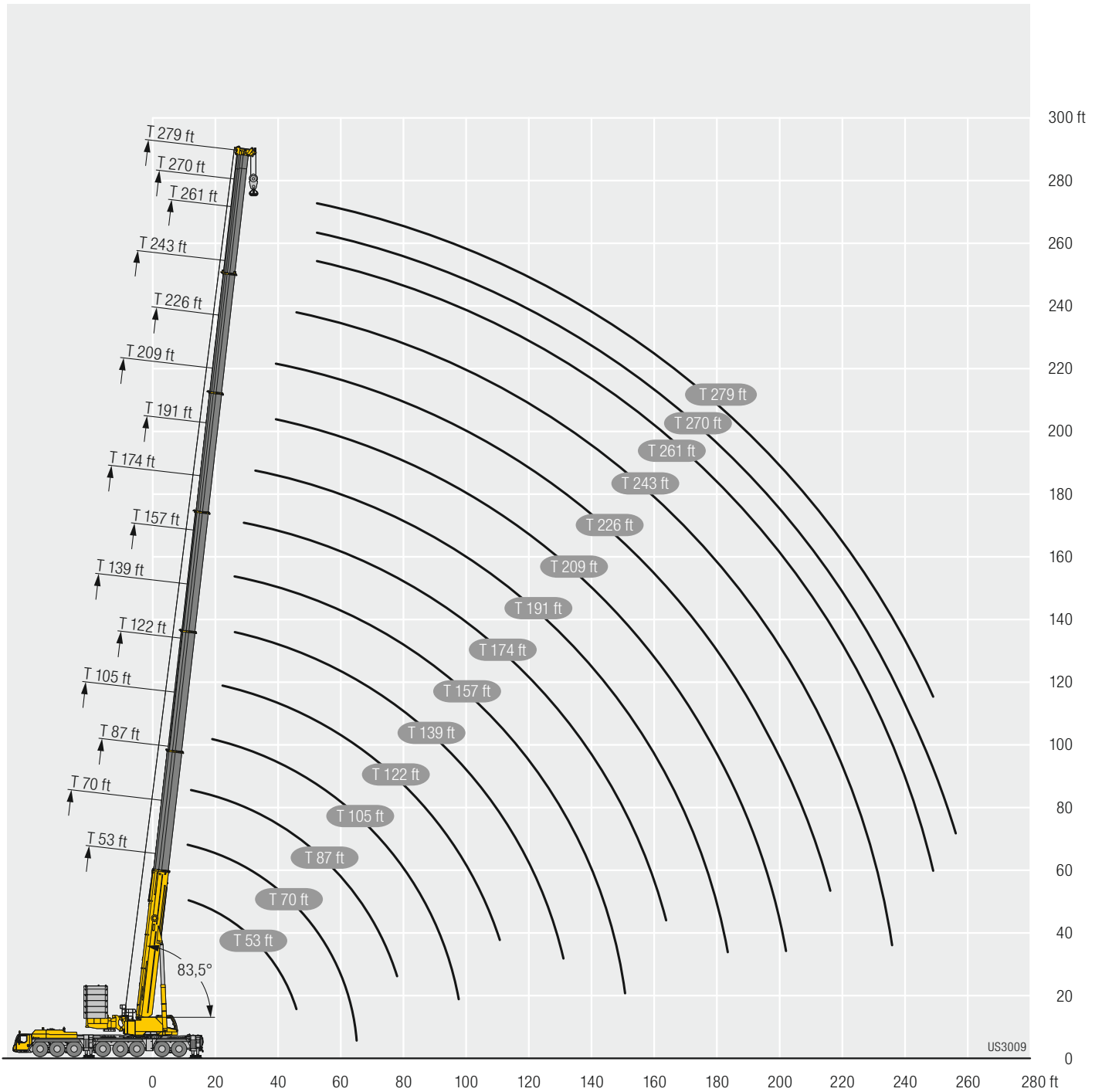


85%

	201 ft	209 ft	218 ft	226 ft	235 ft	241 ft	243 ft	253 ft	259 ft	261 ft	270 ft	276 ft	279 ft	
34	75.2													34
36	73.7	103												36
38	72.3	100.7	69											38
40	70.8	98.4	67.8	84.7										40
45	67.3	92.6	64.9	80.5	61	57.3	69.3	57.1						45
50	63.9	87.1	62.1	76.4	58.6	55.1	66.7	55.3	50.9	56.4	49.7			50
55	60.8	82.5	59.3	72.2	56.2	52.8	64	53.4	49.2	54.7	48.5	45.4	43.6	55
60	57.7	75.9	56.8	68.1	54	50.6	61.2	51.6	47.6	53.1	47.2	44	42.2	60
65	54.6	67.3	54.2	64.7	52	48.6	58.4	49.8	45.9	51.4	45.8	42.6	40.7	65
70	52	62.8	51.6	58.9	50	46.7	53.8	48.2	44.3	49.6	44.5	41.3	39.3	70
75	49.7	57	49.3	53.1	48	44.7	50.6	46.6	42.8	46.1	43.1	40	37.9	75
80	47.3	52.4	47.4	49.7	46	42.7	46	44.6	41.2	41.6	41.4	38.7	36.5	80
85	45	49.1	45.4	45.3	43.6	40.9	41.7	41.1	39.6	37.5	37.6	36.5	35.1	85
90	42.8	44.9	43.3	41.3	40.8	39.2	37.9	37.5	37	33.9	34	33.2	32.5	90
95	40.8	41	40.5	37.6	37.2	36.2	34.4	34	33.7	30.7	30.9	30	29.4	95
100	39.1	37.5	37.3	34.3	34.1	33.2	31.2	31	30.7	27.7	27.9	27.3	26.7	100
105	36.4	34.4	34.2	31.3	31.1	30.3	28.4	28.2	27.9	25	25.3	24.6	24	105
110	33.6	31.6	31.4	28.6	28.4	27.7	25.8	25.6	25.5	22.5	22.8	22.3	21.7	110
115	30.8	29	28.9	26.2	26.1	25.3	23.4	23.4	23.2	20.2	20.7	20.1	19.5	115
120	28.1	26.6	26.6	23.9	23.8	23.1	21.3	21.2	21.1	18.2	18.6	18.1	17.6	120
125	25.7	24.2	24.5	21.8	21.8	21.1	19.3	19.3	19.2	16.2	16.7	16.2	15.7	125
130	23.5	22	22.5	19.9	19.9	19.2	17.5	17.5	17.4	14.4	15	14.5	14	130
135	21.5	20	20.4	18.1	18.2	17.5	15.7	15.8	15.7	12.8	13.3	12.9	12.4	135
140	19.6	18.2	18.6	16.4	16.6	15.9	14.2	14.2	14.2	11.3	11.9	11.4	10.9	140
145	17.9	16.5	16.9	14.7	15	14.4	12.7	12.8	12.7	9.9	10.5	10	9.6	145
150	16.4	14.9	15.3	13.1	13.4	13	11.3	11.4	11.4	8.5	9.1	8.7	8.3	150
155	14.9	13.5	13.9	11.6	11.9	11.5	10	10.2	10.1	7.3	7.9	7.5	7.1	155
160	13.6	12.1	12.5	10.3	10.7	10.4	8.8	9	8.9	6	6.7	6.4	5.9	160
165	12.3	10.9	11.3	9.1	9.5	9.2	7.5	7.9	7.8	4.8	5.6	5.3	4.8	165
170	11.2	9.7	10.1	7.9	8.3	8	6.3	6.8	6.8	3.5	4.5	4.2	3.6	170
175	10.1	8.6	9	6.8	7.2	6.9	5.2	5.7	5.8					175
180	9.1	7.6	8	5.8	6.2	5.9	4.2	4.7	4.8					180
185	8.2	6.7	7.1	4.8	5.3	4.9		3.6	3.8					185
190	7.3	5.8	6.2	3.9	4.4	4								190
195	6.6	5	5.3		3.4									195
200		4.3	4.6											200
205			3.9											205

# Lifting heights Hauteurs de levage

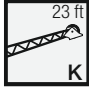
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# Lifting capacities Forces de levage

TK 23



	218 ft				226 ft				235 ft				241 ft				243 ft				253 ft				259 ft								
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°					
45		50.4			55.5																												45
50	49.1	48.4	48.1		55.5	55			45.6	45			43.8				51.2																50
55	47.2	46.6	46.2	46	55.5	55.5	54.2	49.5	44.6	44.1	43.8		42.6	42.4	42.4		51.1	50.6	49.3			41.8	41.4						39.9				55
60	45.4	44.9	44.6	44.3	55.1	55.2	53.3	48.6	43.1	42.6	42.3	42.2	41.1	41	40.9	41	49.9	49.7	48.6	45.6	40.9	40.6	40.3	40.1	38.8	38.6	38.6						60
65	43.7	43.2	42.9	42.7	53.5	54.3	52.3	47.9	41.7	41.3	41	40.8	39.7	39.5	39.5	39.7	48.4	48.4	47.8	45	39.7	39.4	39.2	39.1	37.6	37.4	37.4	37.7					65
70	42.1	41.7	41.4	41.2	51.5	52	51.2	47.1	40.3	39.9	39.7	39.5	38.3	38.1	38.1	38.4	46.7	47	46.8	44.5	38.5	38.3	38	37.9	36.4	36.3	36.3	36.5					70
75	40.6	40.2	39.9	39.7	49.1	49.5	49.9	46.4	39	38.7	38.4	38.3	36.9	36.8	36.8	37	44.8	45.2	45.5	44	37.4	37.2	36.9	36.9	35.3	35.1	35.1	35.4					75
80	39.1	38.8	38.5	38.3	47.2	47.2	47.7	45.8	37.7	37.4	37.2	37.1	35.6	35.5	35.5	35.7	42.9	43.4	43.8	43.3	36.2	36.1	35.9	35.8	34.1	34	34.1	34.3					80
85	37.8	37.4	37.1	37	45.4	45.3	45.4	45.2	36.5	36.3	36	35.9	34.4	34.3	34.3	34.5	41.1	41.6	42	42.5	35.2	35	34.9	34.8	33.1	33	33	33.2					85
90	36.5	36.2	35.9	35.8	43.8	43.7	43.7	43.9	35.3	35.1	34.9	34.8	33.2	33.1	33.1	33.3	39.3	39.7	40.2	41.1	34.1	33.9	33.9	33.9	32	31.9	32	32.1					90
95	35.2	34.9	34.7	34.6	42.2	42.1	42.2	42.3	34.2	34	33.9	33.8	32	32	32	32.2	37.6	38	38.4	39.2	33.1	33	32.9	33	30.9	30.9	31	31.2					95
100	33.8	33.7	33.6	33.5	40.6	40.6	40.7	40.9	33.1	32.9	32.8	32.8	30.9	30.8	30.8	31.1	36	36.3	36.8	37.5	32.2	32	31.9	32	29.9	29.9	30	30.2					100
105	32.5	32.4	32.4	32.3	39.1	39.1	39.2	39.5	32	31.9	31.8	31.8	29.7	29.7	29.7	30	34.6	34.7	35.1	35.8	31.2	31.1	31	31.1	28.9	29	29	29.3					105
110	31.2	31.2	31.2	31.1	37.5	37.6	37.7	38	30.9	30.8	30.8	30.8	28.5	28.6	28.7	28.9	33.5	33.4	33.6	34.2	30.3	30.2	30.1	30.2	27.9	28	28.1	28.3					110
115	30.1	30	30.1	30	35.9	36	36.2	36.5	29.8	29.8	29.8	29.9	27.4	27.5	27.6	27.8	32.4	32.4	32.4	32.7	29.4	29.3	29.3	29.4	27	27.1	27.1	27.4					115
120	29	28.9	29	28.9	34.7	34.7	34.7	35.1	28.7	28.7	28.7	28.9	26.2	26.4	26.5	26.8	31.3	31.3	31.4	31.6	28.5	28.5	28.4	28.6	26	26.1	26.2	26.5					120
125	27.9	27.9	27.9	27.9	33.6	33.5	33.6	33.7	27.8	27.8	27.7	27.9	25.1	25.2	25.4	25.7	30.3	30.3	30.3	30.6	27.6	27.6	27.6	27.7	25.1	25.2	25.3	25.6					125
130	26.8	26.8	26.8	26.8	32.4	32.4	32.4	32.6	26.9	26.8	26.8	27	24.1	24.3	24.4	24.7	29.3	29.3	29.3	29.6	26.7	26.7	26.7	26.9	24.1	24.2	24.4	24.7					130
135	25.7	25.7	25.8	25.8	31.2	31.2	31.3	31.4	26	25.9	26	26.1	23.2	23.3	23.4	23.7	28.3	28.3	28.4	28.7	25.9	25.9	25.9	26.1	23.2	23.3	23.4	23.8					135
140	24.6	24.7	24.7	24.8	30.1	30.1	30.1	30.3	25.1	25	25.1	25.2	22.2	22.3	22.4	22.7	27.4	27.4	27.5	27.7	25.1	25.1	25.1	25.3	22.3	22.5	22.6	22.9					140
145	23.5	23.6	23.6	23.7	28.9	28.9	29	29.2	24.2	24.2	24.2	24.3	21.2	21.4	21.5	21.7	26.5	26.5	26.6	26.8	24.4	24.4	24.3	24.5	21.5	21.6	21.7	22					145
150	22.6	22.6	22.5	22.7	27.7	27.8	27.9	28	23.3	23.3	23.3	23.4	20.2	20.4	20.5	20.8	25.5	25.6	25.6	25.9	23.6	23.6	23.6	23.7	20.7	20.8	20.9	21.2					150
155	21.7	21.7	21.7	21.8	26.6	26.7	26.7	26.9	22.4	22.4	22.4	22.5	19.3	19.4	19.6	19.8	24.6	24.6	24.7	24.9	22.8	22.9	22.9	23	19.9	20	20.1	20.4					155
160	21	20.9	20.9	21	25.6	25.6	25.7	25.8	21.5	21.5	21.5	21.7	18.3	18.5	18.6	18.8	23.7	23.7	23.8	24	22.1	22.1	22.1	22.3	19.1	19.2	19.3	19.6					160
165	20.2	20.2	20.2	20.2	24.6	24.7	24.7	24.8	20.6	20.7	20.7	20.8	17.4	17.5	17.7	17.9	22.7	22.8	22.9	23.1	21.3	21.4	21.4	21.5	18.3	18.4	18.5	18.7					165
170	19.4	19.4	19.4	19.5	23.7	23.7	23.8	23.9	19.8	19.9	19.9	20	16.6	16.7	16.8	17	21.9	21.9	22	22.2	20.6	20.6	20.6	20.8	17.5	17.6	17.7	17.9					170
175	18.6	18.6	18.6	18.7	22.7	22.8	22.9	23	19.1	19.1	19.1	19.2	15.8	15.9	16	16.1	21.1	21.1	21.2	21.3	19.8	19.9	19.9	20	16.7	16.8	16.9	17.1					175
180	17.8	17.9	17.9	18	21.8	21.9	21.9	22.1	18.3	18.3	18.4	18.5	15	15.1	15.2	15.3	20.3	20.4	20.4	20.5	19.1	19.2	19.1	19.3	16	16	16.1	16.3					180
185	17.1	17.1	17.1	17.2	20.8	20.9	21	21.1	17.5	17.5	17.6	17.7	14.2	14.3	14.4	14.6	19.6	19.6	19.7	19.8	18.4	18.5	18.5	18.6	15.3	15.3	15.4	15.5					185
190	16.6	16.6	16.5	16.6	19.9	20	20.1	20.2	16.7	16.8	16.8	16.9	13.4	13.5	13.6	13.8	18.8	18.9	19	19	17.8	17.8	17.8	18	14.6	14.7	14.8	14.9					190
195	16	16	16	16.1	19.2	19.2	19.3	19.4	15.9	16	16.1	16.2	12.6	12.8	12.9	13	18	18.1	18.2	18.3	17.1	17.2	17.2	17.3	14	14	14.1	14.3					195
200	15.4	15.4	15.4	15.5	18.5	18.5	18.6	18.7	15.2	15.3	15.3	15.4	11.9	12	12.1	12.2	17.3	17.4	17.5	17.6	16.4	16.5	16.5	16.6	13.3	13.4	13.5	13.6					200
205	14.9	14.9	14.9	15	17.8	17.8	17.9	18	14.6	14.6	14.7	14.8	11.3	11.4	11.4	11.4	16.6	16.7	16.7	16.8	15.8	15.8	15.9	16	12.7	12.7	12.8	12.9					205
210	14.3	14.3	14.3	14.4	17.1	17.2	17.2	17.3	14	14	14.1	14.1	10.8	10.9	10.9	10.9	15.9	16	16.1	16.2	15.1	15.2	15.2	15.3	12	12.1	12.2	12.3					210
215	13.8	13.8	13.8	13.9	16.4	16.5	16.5	16.6	13.4	13.4	13.5	13.5	10.3	10.4	10.4	10.4	15.4	15.4	15.5	15.6	14.5	14.5	14.6	14.7	11.4	11.4	11.6	11.6					215
220	13.4	13.4	13.4	13.5	15.7	15.8	15.8	15.9	12.7	12.8	12.9	12.9	9.8	9.9	9.9	10	14.8	14.9	14.9	15	14	14	14	14.1	10.8	10.9	11	11					220
225	12.9	13	13	13.1	15.2	15.2	15.3	15.3	12.2	12.2	12.3	12.3	9.4	9.4	9.5	9.5	14.2	14.3	14.4	14.4	13.4	13.5	13.5	13.6	10.4	10.5	10.5	10.6					225
230	12.5	12.5	12.5	12.8	14.7	14.8	14.8	14.9	11.6	11.6	11.7	11.7	8.9	8.9	9	9	13.7	13.7	13.8	13.8	13	13	13	13.1	10	10.1	10.1	10.2					230
235	12.1	12.4			14.2	14.3	14.3	14.4	11.2	11.2	11.3	11.3	8.4	8.5	8.5	8.5	13.1	13.2	13.2	13.3	12.4	12.5	12.5	12.6	9.6	9.7	9.7	9.7					235
240					12.8	13.4	13.4	11.6	10.8	10.8	10.9	10.9	8.1	8.1	8.1	8.1	12.6	12.7	12.7	12.8	11.9	12	12	12.1	9.2	9.3	9.3	9.3					240
245																																	

# Lifting capacities Forces de levage

TK 23

53-279 ft  
23 ft  
360°  
295,400 lbs  
85%

	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	34.2		65
70	39.9	39.8	39.7	39.8	37.3	37.5	37.9	38.9	35.9	35.7	35.7	35.8	33.9	33.8	33.8	34	32.7	33	33.3	33.5	70
75	38.9	38.7	38.6	38.8	35.9	36.2	36.6	37.5	35	34.8	34.7	34.9	32.9	32.9	32.9	33.1	31.7	32	32.3	32.6	75
80	37.9	37.7	37.6	37.8	34.6	34.9	35.2	36.1	34	33.9	33.8	34	32	31.9	32	32.2	30.6	30.9	31.3	31.7	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	30.8	85
90	35.8	35.8	35.7	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	29.8	90
95	34.6	34.8	34.7	34.9	30.8	31	31.4	32.1	31.4	31.3	31.2	31.4	29.2	29.2	29.3	29.6	27.4	27.7	28	28.7	95
100	33.3	33.6	33.7	33.9	29.6	29.8	30.1	30.8	30.6	30.5	30.4	30.6	28.3	28.3	28.4	28.8	26.4	26.7	27	27.6	100
105	31.9	32.2	32.5	33	28.4	28.7	28.9	29.5	29.8	29.7	29.6	29.8	27.4	27.4	27.5	27.9	25.4	25.6	26	26.6	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	25.5	110
115	29.4	29.7	30	30.7	26.2	26.4	26.7	27.2	27.8	27.9	28	28.3	25.6	25.7	25.8	26.1	23.5	23.7	23.9	24.5	115
120	28.2	28.5	28.8	29.4	25.1	25.4	25.6	26.1	26.7	26.8	27	27.4	24.8	24.9	25	25.3	22.6	22.8	23	23.5	120
125	26.9	27.3	27.6	28.2	24	24.3	24.5	25	25.6	25.8	26	26.4	23.9	24	24.2	24.5	21.7	21.9	22.1	22.6	125
130	25.7	26	26.3	26.9	22.9	23.2	23.4	23.9	24.6	24.8	25	25.4	23.1	23.2	23.3	23.6	20.7	21	21.2	21.7	130
135	24.5	24.8	25.1	25.7	21.8	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	20.8	135
140	23.4	23.7	24	24.4	20.9	21.2	21.4	21.8	22.5	22.8	23	23.4	21.3	21.5	21.7	22	18.9	19.2	19.4	19.8	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	20.8	21.2	18.1	18.3	18.5	18.9	145
150	21.4	21.6	21.9	22.2	19.2	19.4	19.6	19.9	20.6	20.9	21	21.5	19.6	19.8	20	20.4	17.2	17.4	17.7	18	150
155	20.4	20.7	20.9	21.2	18.3	18.5	18.7	19.1	19.7	20	20.1	20.5	18.8	19	19.2	19.6	16.5	16.7	16.9	17.2	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	18.3	18.7	15.8	15.9	16.2	16.4	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	17.5	17.9	15.1	15.2	15.4	15.7	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	15	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	15.8	16.2	13.6	13.8	14	14.2	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	13.5	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	12.8	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	12.1	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	12.2	12.4	12.6	12.8	10.8	11	11.1	11.3	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	10.7	200
205	11.8	12	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	10.1	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	9.5	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	9	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	8.4	220
225	9	9.2	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	7.9	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	7.3	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	6.7	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	6.2	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	5.7	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	5.3	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	4.8	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	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	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	3.3	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	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	2.5	280
285									3.2	3.2	3.2		2.5	2.6	2.6	2.5	2.1	2.1	2.1	2	285
290													2.2	2.2	2.2		1.6	1.7	1.6		290

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# Lifting capacities Forces de levage

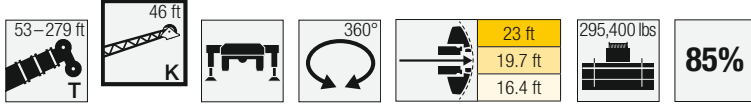
**TK 46**

Height ft	53 ft				157 ft				174 ft				183 ft 46 ft				191 ft				201 ft				209 ft				Height ft	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
	19	43.7																												
20	43.6	39.6																											20	
22	43.1	38.8																											22	
24	42.6	37.9																											24	
26	41.8	37.1	31.5																										26	
28	41	36.2	30.6																										28	
30	40.1	35.1	29.8																										30	
32	39.3	33.9	29																										32	
34	38.4	32.9	28.2																										34	
36	37.5	32	27.4																										36	
38	36.6	31.1	26.7	21.7			35.8																						38	
40	35.6	30.2	26.1	21.3			35.4																						40	
45	33	27.9	24.7	20.5	39.1	34.6	28.7		38	34.1																			45	
50	30.3	26.3	23.2	19.8	38.4	33.6	27.7		37.4	33.3	27.8		32.6	30		36	32.6				31.1	29.2							50	
55	27.8	24.7	22.2	19.2	37.5	32.5	26.8	21	36.7	32.4	27		32.1	29.3	26.2		35.4	31.8	27.7		30.9	28.7			33.6	30.8			55	
60	25.9	23.1	21.1	18.8	36.5	31.2	26	20.6	35.9	31.4	26.2	20.6	31.6	28.6	25.5		34.8	31.1	27.1		30.5	28.1	25.3		33.1	30.1	26.9		60	
65	24.1	22	20.2	18.4	35.5	30.1	25.2	20.2	35.1	30.3	25.5	20.3	31	27.7	24.8	19.6	34.1	30.2	26.3	20.2	30	27.4	24.7		32.6	29.5	26.3		65	
70	22.3	20.8	19.5	18.1	34.5	29.1	24.5	19.9	34.2	29.3	24.8	19.9	30.4	26.8	24.2	19.4	33.4	29.3	25.6	19.9	29.5	26.7	24.1	19.3	32	28.8	25.6	19.9		70
75	20.8	19.9	18.8	18.1	33.5	28.1	23.9	19.6	33.3	28.4	24.1	19.7	29.7	26.1	23.6	19.1	32.6	28.4	25	19.7	28.9	25.9	23.5	19.1	31.4	28.1	25	19.6		75
80	19.2	19.1	18.4	18	32.5	27.2	23.3	19.3	32.5	27.6	23.6	19.4	29	25.3	23.1	18.9	31.9	27.6	24.4	19.4	28.3	25.2	23	18.8	30.8	27.3	24.4	19.3		80
85	18	18.4	18	18	31.5	26.3	22.7	19.1	31.6	26.8	23.1	19.1	28.3	24.7	22.6	18.6	31.2	26.8	23.9	19.2	27.7	24.6	22.6	18.6	30.2	26.5	23.9	19.1		85
90	16.9	18.1	17.9		30.5	25.4	22.1	18.8	30.8	26	22.6	18.9	27.6	24.1	22.1	18.5	30.4	26.2	23.4	18.9	27.1	24	22.1	18.4	29.6	25.9	23.4	18.9		90
95					29.5	24.7	21.6	18.6	29.9	25.2	22.1	18.7	26.9	23.5	21.7	18.3	29.7	25.5	22.9	18.7	26.5	23.5	21.7	18.3	28.9	25.3	22.9	18.7		95
100					28.5	24.1	21.1	18.4	29.1	24.4	21.6	18.5	26.2	22.9	21.3	18.2	28.9	24.8	22.4	18.6	25.9	23	21.4	18.1	28.3	24.7	22.5	18.5		100
105					27.5	23.4	20.7	18.3	28.2	23.9	21.2	18.3	25.4	22.4	20.9	18	28.2	24.1	22	18.4	25.3	22.5	21	18	27.6	24.1	22.1	18.3		105
110					26.4	22.8	20.3	18.1	27.3	23.3	20.8	18.2	24.7	21.9	20.5	17.9	27.5	23.5	21.5	18.2	24.7	22	20.7	17.9	26.9	23.6	21.7	18.2		110
115					25.4	22.2	20	18	26.5	22.8	20.5	18.1	24	21.4	20.2	17.8	26.8	23	21.1	18.1	24.1	21.5	20.3	17.8	26.3	23	21.3	18.1		115
120					24.6	21.5	19.7	17.9	25.6	22.2	20.2	18	23.3	21	20	17.7	26.1	22.5	20.8	18	23.4	21.1	20	17.8	25.7	22.5	20.9	18		120
125					23.8	21	19.3	17.8	24.8	21.7	19.9	17.9	22.6	20.7	19.7	17.7	25.4	22	20.5	17.9	22.7	20.7	19.7	17.7	25.1	22	20.6	17.8		125
130					23.1	20.6	19	17.8	24	21.2	19.6	17.9	21.8	20.3	19.5	17.7	24.7	21.6	20.2	17.8	22	20.3	19.4	17.6	24.5	21.6	20.3	17.7		130
135					22.3	20.2	18.8	17.7	23.2	20.7	19.3	17.8	21.1	19.9	19.2	17.7	24	21.1	20	17.8	21.3	19.9	19.1	17.6	23.9	21.3	20.1	17.7		135
140					21.6	19.8	18.7	17.7	22.6	20.3	19	17.7	20.4	19.5	19	17.7	23.3	20.7	19.7	17.7	20.5	19.5	18.9	17.6	23.3	20.9	19.9	17.7		140
145					20.8	19.4	18.5	17.7	22	19.9	18.8	17.7	19.6	19	18.7	17.7	22.5	20.2	19.4	17.7	19.8	19.1	18.6	17.6	22.8	20.5	19.6	17.7		145
150					20.2	19	18.3	17.7	21.3	19.6	18.7	17.7	18.9	18.5	18.3	17.7	21.9	19.8	19.1	17.7	19.1	18.7	18.3	17.5	22.2	20.1	19.4	17.7		150
155					19.6	18.7	18.1	17.7	20.7	19.2	18.6	17.7	18.1	17.8	17.8	17.4	21.3	19.5	18.9	17.7	18.4	18.2	18	17.5	21.7	19.8	19.1	17.7		155
160					19	18.5	17.7	17.7	20	18.9	18.4	17.7	17.3	17.2	17.2	17	20.8	19.2	18.8	17.7	17.7	17.7	17.7	17.5	21.2	19.4	18.9	17.7		160
165					18.5	18.3	17.7	17.7	19.4	18.6	18.3	17.7	16.6	16.5	16.6	16.5	20.3	19	18.6	17.7	17	17.1	17.2	17.4	20.7	19	18.6	17.7		165
170					17.9	18.1	17.7	17.7	18.9	18.3	18.1	17.7	15.8	15.9	16	16	19.7	18.7	18.5	17.7	16.3	16.4	16.6	16.8	20.3	18.8	18.5	17.6		170
175					17.4	17.9	17.7	17.7	18.5	18.2	17.7	17.7	15.2	15.2	15.4	15.6	19.2	18.4	18.3	17.7	15.6	15.8	15.9	16.2	19.8	18.6	18.4	17.6		175
180					17	17.7	17.7	17.7	18	18	17.6	17.6	14.6	14.6	14.8	15.1	18.7	18.2	18.2	17.7	14.9	15.1	15.3	15.5	19.4	18.4	18.3	17.6		180
185					16.7	17.7	17.7	17.7	17.6	17.9	17.6	17.6	14	14.1	14.3	14.5	18.3	18	18.1	17.7	14.2	14.4	14.6	14.9	18.9	18.2	18.2	17.6		185
190					16.3	17.7	17.7		17.1	17.7	17.6	17.6	13.5	13.6	13.8	14	17.9	17.9	18.1	17.7	13.7	13.7	14	14.2	18.5	18	18.1	17.6		190
195					16.2	17.7	17.6		16.8	17.6	17.6	17.6	12.9	13	13.2	13.4	17.6	17.8	18.1	17.6	13.2	13.2	13.4	13.6	18	17.8	18.1	17.6		195
200									16.6	17.6	17.6	17.6	12.4	12.5	12.7	12.9	17.2	17.7	18.1	17.6	12.7	12.8	12.9	13.1	17.5	17.5	17.9	17.6		200
205									16.3	17.6	17.6	17.6	11.9	12	12.2	12.4	16.9	17.6	18.1	17.6	12.2	12.3	12.4	12.6	17	17	17.5	17.6		205
210									16.1	17.6	17.6		11.6	11.6	11.7	12.1	16.5	17.5	18.1	17.6	11.7	11.8	12	12.1	16.6	16.6	16.9	17.4		210
215									6.7				11.2	11.2	11.3		16.4	17.3	18	17.6	11.3	11.4	11.5	11.6	16.1	16.1	16.4	16.8		215
220													10.9	10.9	11		16.2	17	17.6	17.6	10.8	10.9	11	11.1	15.6	15.6	15.8	16.1		220
225																	16.1	16.7	17		10.5	10.6	10.7	10.7	15.1	15.2	15.3	15.5		225
230																	13.8	13.9			10.2	10.3	10.3	10.4	14.7	14.7	14.8	14.9		230
235																					9.9	9.9	10		14.2	14.3	14.3	14.4		235
240																					9.7	9.8			13.7	13.8	13.8	7.1		240
245																									12.7	13.4	13.4			245

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



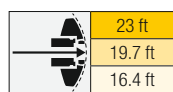
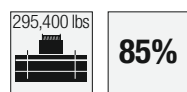
TK 46



	218 ft				226 ft				235 ft				241 ft				243 ft				253 ft				259 ft					
	46 ft				46 ft				46 ft				46 ft				46 ft				46 ft									
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
50								25.9					25.1					25.9											50	
55	29.9	28.1			31.5	29.5			26.2				25.3					25.9						24.3			23.4		55	
60	29.6	27.6	25.2		31.2	29			26.4	26.5			25.5	25.8				28.7	27.2				24.5	25.2			23.6		60	
65	29.3	27	24.6		30.8	28.5	25.9		26.5	26.1	24.3		25.7	25.5	24			28.5	26.9	24.5			24.7	24.9			23.8	24.2	65	
70	28.8	26.4	24.1	19.3	30.4	27.9	25.3		26.7	25.7	23.8		25.8	25.1	23.6			28.3	26.5	24.6			24.8	24.5	23.2		23.9	23.9	22.7	70
75	28.3	25.8	23.5	19.1	30	27.4	24.7	19.5	26.8	25.2	23.3	19	25.9	24.7	23.1			28	26.1	24.1			24.9	24.2	22.8		24	23.6	22.3	75
80	27.8	25.2	23.1	18.8	29.5	26.8	24.1	19.2	26.5	24.8	22.9	18.8	25.8	24.3	22.7	18.7		27.6	25.7	23.6	19	25	23.9	22.5	18.7	24.1	23.2	22	18.6	80
85	27.2	24.7	22.6	18.6	29	26.1	23.6	19	26.1	24.4	22.4	18.6	25.5	23.9	22.3	18.5		27.2	25.3	23.1	18.8	24.9	23.5	22.1	18.5	24.1	22.9	21.7	18.4	85
90	26.7	24.1	22.2	18.4	28.4	25.5	23.2	18.8	25.8	24	22	18.4	25.2	23.5	21.9	18.3		26.7	24.8	22.7	18.6	24.6	23.1	21.8	18.3	23.9	22.6	21.4	18.2	90
95	26.2	23.5	21.8	18.3	27.9	24.9	22.7	18.6	25.4	23.5	21.7	18.2	24.8	23.1	21.5	18.2		26.3	24.4	22.3	18.5	24.3	22.8	21.5	18.2	23.7	22.3	21.1	18.1	95
100	25.7	23.1	21.4	18.1	27.3	24.4	22.3	18.4	24.9	23.1	21.3	18.1	24.4	22.8	21.2	18		25.8	24	21.9	18.3	24	22.5	21.2	18	23.4	22	20.8	18	100
105	25.1	22.6	21.1	18	26.8	23.9	21.9	18.3	24.5	22.8	21	18	23.9	22.4	20.9	17.9		25.3	23.6	21.5	18.2	23.6	22.1	20.8	17.9	23	21.7	20.6	17.8	105
110	24.6	22.2	20.8	17.9	26.2	23.4	21.6	18.1	24	22.5	20.7	17.8	23.4	22	20.6	17.8		24.9	23.2	21.2	18	23.2	21.8	20.5	17.8	22.7	21.4	20.3	17.7	110
115	24.1	21.8	20.5	17.8	25.6	22.9	21.3	18	23.6	22.1	20.4	17.7	22.8	21.7	20.3	17.7		24.4	22.9	20.9	17.9	22.8	21.5	20.3	17.7	22.2	21.1	20	17.6	115
120	23.6	21.3	20.2	17.8	25.1	22.4	21	17.9	23.1	21.8	20.2	17.7	22.3	21.3	20.1	17.6		24	22.5	20.6	17.8	22.4	21.2	20	17.6	21.7	20.7	19.8	17.5	120
125	23	20.9	19.9	17.7	24.5	21.9	20.6	17.8	22.7	21.5	19.9	17.6	21.8	20.9	19.8	17.6		23.6	22.2	20.4	17.7	22	20.9	19.8	17.5	21.2	20.3	19.5	17.5	125
130	22.4	20.5	19.6	17.6	23.8	21.4	20.3	17.8	22.2	21.2	19.7	17.6	21.3	20.6	19.6	17.6		23.1	21.9	20.1	17.7	21.5	20.6	19.6	17.5	20.7	20	19.2	17.4	130
135	21.7	20.1	19.3	17.5	23.2	21	20	17.7	21.7	20.8	19.4	17.5	20.7	20.2	19.4	17.5		22.7	21.5	19.9	17.6	21.1	20.4	19.4	17.5	20.2	19.6	18.9	17.4	135
140	21.1	19.7	19	17.4	22.8	20.5	19.7	17.6	21.1	20.4	19.2	17.5	20.1	19.8	19.2	17.5		22.1	21.2	19.6	17.5	20.7	20.1	19.2	17.5	19.6	19.2	18.7	17.4	140
145	20.5	19.3	18.6	17.4	22.4	20.3	19.4	17.5	20.5	20	18.8	17.5	19.3	19.3	18.9	17.4		21.6	20.6	19.3	17.5	20.2	19.8	19	17.4	19.1	18.8	18.4	17.4	145
150	19.8	18.8	18.3	17.3	21.9	20	19.2	17.5	19.9	19.4	18.5	17.4	18.6	18.7	18.4	17.4		21.1	20.1	18.9	17.4	19.7	19.4	18.8	17.4	18.6	18.4	18.1	17.4	150
155	19.2	18.4	18	17.1	21.5	19.7	19.1	17.5	19.3	18.9	18.1	17.1	17.9	18	17.9	17.1		20.6	19.6	18.7	17.3	19.2	19	18.5	17.4	18	18	17.8	17.3	155
160	18.5	18	17.7	17.1	21.1	19.4	18.9	17.5	18.6	18.4	17.7	16.9	17.1	17.3	17.2	16.7		20.1	19.3	18.4	17.3	18.6	18.5	18.1	17.2	17.3	17.4	17.4	17.3	160
165	17.9	17.6	17.4	17	20.7	19.1	18.7	17.5	18	17.8	17.3	16.7	16.4	16.6	16.6	16.2		19.6	18.9	18.2	17.2	18.1	18	17.7	17	16.7	16.8	16.9	17.1	165
170	17.3	17.2	17	16.9	20.2	18.8	18.5	17.5	17.4	17.3	16.9	16.5	15.7	15.9	16	15.7		19.1	18.6	18	17.2	17.6	17.5	17.2	16.7	16.1	16.2	16.3	16.7	170
175	16.7	16.6	16.6	16.7	19.7	18.5	18.3	17.5	16.8	16.8	16.5	16.2	14.9	15.2	15.3	15.2		18.6	18.2	17.8	17.1	17	17	16.8	16.4	15.4	15.6	15.7	16.1	175
180	16.1	16.1	16.1	16.3	19.2	18.1	18.1	17.5	16.2	16.2	16.1	16	14.2	14.5	14.7	14.7		18.1	17.9	17.5	17.1	16.5	16.5	16.4	16.1	14.8	15	15.1	15.5	180
185	15.5	15.5	15.5	15.8	18.6	17.7	17.7	17.5	15.7	15.7	15.7	15.8	13.6	13.8	14.1	14.2		17.6	17.5	17.3	17	16	16	15.9	15.7	14.1	14.4	14.6	14.9	185
190	14.9	14.9	15	15.2	18.1	17.3	17.4	17.3	15.2	15.2	15.3	15.5	13	13.2	13.4	13.7		17	17.1	17.1	17	15.5	15.5	15.5	15.4	13.5	13.8	14	14.3	190
195	14.3	14.4	14.4	14.7	17.5	17	17	17	14.6	14.7	14.8	15	12.5	12.7	12.9	13.1		16.5	16.6	16.7	16.9	15	15	15	15.1	13	13.2	13.4	13.7	195
200	13.7	13.8	13.9	14.1	17	16.6	16.6	16.7	14.1	14.2	14.3	14.5	11.9	12.1	12.3	12.6		15.9	16	16.2	16.5	14.5	14.6	14.6	14.8	12.5	12.6	12.8	13.1	200
205	13.2	13.3	13.3	13.6	16.4	16.2	16.2	16.4	13.6	13.7	13.8	14	11.4	11.6	11.8	12		15.3	15.5	15.7	15.9	14	14.1	14.2	14.4	12	12.1	12.3	12.5	205
210	12.8	12.8	12.9	13	15.9	15.8	15.9	16	13	13.1	13.3	13.5	10.8	11	11.2	11.4		14.8	14.9	15.1	15.4	13.6	13.7	13.7	14	11.5	11.7	11.8	12	210
215	12.4	12.4	12.5	12.6	15.3	15.4	15.5	15.7	12.5	12.6	12.8	13	10.2	10.5	10.7	10.9		14.2	14.4	14.5	14.8	13.1	13.3	13.3	13.5	11.1	11.2	11.4	11.6	215
220	12	12	12.1	12.2	14.8	14.8	15	15.2	12	12.2	12.3	12.5	9.7	9.9	10.1	10.3		13.6	13.8	14	14.2	12.7	12.8	12.9	13.1	10.6	10.8	10.9	11.1	220
225	11.6	11.6	11.7	11.8	14.2	14.3	14.4	14.6	11.6	11.7	11.8	12	9.3	9.4	9.6	9.7		13.1	13.3	13.4	13.6	12.2	12.4	12.5	12.7	10.2	10.4	10.5	10.7	225
230	11.1	11.2	11.3	11.4	13.7	13.8	13.9	14.1	11.2	11.3	11.4	11.6	8.9	9	9.1	9.2		12.7	12.8	12.9	13.1	11.8	11.9	12	12.2	9.7	9.9	10	10.2	230
235	10.8	10.8	10.9	11	13.1	13.2	13.3	13.5	10.8	10.9	11	11.1	8.5	8.6	8.7	8.8		12.2	12.4	12.4	12.6	11.4	11.5	11.6	11.8	9.3	9.5	9.6	9.8	235
240	10.5	10.6	10.6	10.8	12.6	12.7	12.8	12.9	10.4	10.5	10.6	10.7	8.1	8.2	8.3	8.4		11.8	12	12	12.2	11	11.1	11.2	11.4	8.9	9	9.2	9.3	240
245	10.3	10.3	10.4	10.5	12.1	12.2	12.3	12.4	10	10.1	10.2	10.2	7.7	7.8	7.9	7.9		11.4	11.5	11.6	11.8	10.7	10.8	10.9	11	8.5	8.7	8.7	8.9	245
250	10	10.1	10.2		11.8	11.8	11.9	12	9.6	9.7	9.7	9.8	7.3	7.5	7.5	7.5		11	11.1	11.2	11.3	10.4	10.5	10.6	10.7	8.2	8.3	8.4	8.5	250
255	9.9	9.9	10		11.4	11.5	11.5	11.6	9.3	9.3	9.4	9.4	7	7.1	7.1	7.1		10.6	10.7	10.8	10.9	10.1	10.2	10.2	10.3	7.9	8	8.1	8.2	255
260					11.1	11.1	11.1		9	9	9	9	6.6	6.7	6.8	6.7		10.3	10.3	10.4	10.5	9.8	9.9	9.9	10	7.6	7.7	7.8	7.8	260
265					9.1	9.2			8.6	8.7	8.7	8.7	6.3	6.4	6.4	6.3		10	10	10.1	10.2	9.5	9.5	9.6	9.6	7.2	7.4	7.4	7.4	265
270									8.3	8.4	8.4		6	6.1	6.1	5.9		9.7	9.8	9.8	9.8	9.2	9.2	9.3	9.3	6.9	7	7.1	7	270
275									7.1				5.7	5.7	5.7			9.4	9.5	9.5	3.9	8.9	8.9	9						

# Lifting capacities Forces de levage

TK 46

	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	23.9				23.4																55	
60	24				23.6				22.4					21.5					21.1			60
65	24.2	24.7			23.7	24.3			22.6	23.3			21.6					21.2			65	
70	24.3	24.4	23.1		23.9	24.1	22.8		22.7	23.1			21.8	22.3				21.3	21.9		70	
75	24.5	24.1	22.7		24	23.8	22.5		22.8	22.8	21.7		21.9	22	21.1			21.5	21.7	20.9	75	
80	24.6	23.7	22.4		24.1	23.4	22.2		22.9	22.5	21.4		22	21.8	20.9			21.6	21.5	20.6	80	
85	24.6	23.4	22.1	18.5	24.2	23.1	21.9	18.5	23	22.2	21.2	18.3	22.1	21.6	20.6	18.2		21.6	21.3	20.4	85	
90	24.5	23.1	21.7	18.4	24.1	22.8	21.5	18.3	23.1	22	20.9	18.2	22.1	21.3	20.4	18.1		21.7	21	20.1	18	90
95	24.2	22.7	21.4	18.2	23.8	22.5	21.2	18.2	22.9	21.7	20.6	18	22.1	21.1	20.1	17.9		21.7	20.8	19.9	17.9	95
100	23.9	22.4	21.1	18	23.6	22.2	21	18	22.6	21.4	20.4	17.9	21.9	20.8	19.9	17.8		21.6	20.6	19.7	17.8	100
105	23.5	22.1	20.8	17.9	23.3	21.8	20.7	17.9	22.3	21.1	20.1	17.8	21.7	20.6	19.7	17.7		21.4	20.3	19.5	17.6	105
110	23.2	21.8	20.6	17.8	22.9	21.6	20.4	17.8	22.1	20.9	19.9	17.6	21.5	20.4	19.4	17.6		21.1	20.1	19.2	17.5	110
115	22.8	21.5	20.3	17.7	22.4	21.2	20.2	17.7	21.8	20.6	19.6	17.6	21.2	20.1	19.2	17.5		20.6	19.9	19	17.5	115
120	22.5	21.2	20.1	17.6	21.8	20.9	19.9	17.6	21.4	20.4	19.4	17.5	20.9	19.9	19	17.4		20.1	19.7	18.9	17.4	120
125	22.1	20.9	19.8	17.5	21.1	20.4	19.6	17.5	21	20.1	19.2	17.4	20.5	19.7	18.8	17.3		19.4	19.5	18.7	17.3	125
130	21.7	20.7	19.6	17.5	20.4	19.9	19.3	17.4	20.6	19.8	19	17.3	20	19.3	18.6	17.3		18.8	19	18.5	17.3	130
135	21.4	20.4	19.4	17.4	19.8	19.4	18.9	17.3	20.2	19.5	18.8	17.3	19.4	18.9	18.3	17.3		18.1	18.4	18.1	17.2	135
140	21	20.2	19.2	17.4	19.1	18.9	18.6	17.3	19.8	19.1	18.5	17.3	18.9	18.5	18	17.2		17.4	17.8	17.6	17.2	140
145	20.6	19.9	19	17.4	18.4	18.4	18.2	17.2	19.4	18.8	18.3	17.2	18.4	18.1	17.7	17		16.7	17.2	17.1	16.8	145
150	20.2	19.7	18.8	17.4	17.8	18	17.9	17.1	19	18.5	18.1	17.2	17.9	17.7	17.4	16.8		16.1	16.5	16.5	16.4	150
155	19.5	19.4	18.6	17.4	17.1	17.4	17.5	17.1	18.5	18.2	17.9	17.2	17.4	17.3	17	16.6		15.4	15.8	16	16	155
160	18.8	18.9	18.3	17.4	16.4	16.8	17.1	17	17.9	17.9	17.7	17.2	16.8	16.8	16.7	16.4		14.7	15.2	15.4	15.6	160
165	18	18.1	17.8	17.2	15.8	16.2	16.6	16.8	17.2	17.4	17.4	17.1	16.2	16.4	16.4	16.2		14.1	14.5	14.9	15.1	165
170	17.2	17.4	17.2	16.9	15.1	15.5	15.9	16.5	16.6	16.8	16.9	17.1	15.6	15.8	16	16		13.6	13.9	14.3	14.7	170
175	16.5	16.7	16.5	16.3	14.4	14.8	15.2	15.9	15.9	16.1	16.3	16.9	14.9	15.2	15.5	15.8		13	13.4	13.7	14.3	175
180	15.7	16	15.9	15.8	13.7	14.1	14.5	15.1	15.1	15.4	15.7	16.2	14.3	14.6	14.9	15.3		12.4	12.8	13.1	13.8	180
185	14.9	15.2	15.2	15.2	13.1	13.4	13.8	14.4	14.4	14.7	15	15.5	13.6	14	14.3	14.7		11.8	12.2	12.6	13.2	185
190	14.2	14.5	14.6	14.7	12.4	12.7	13.1	13.7	13.7	14	14.3	14.8	13	13.3	13.7	14.1		11.2	11.6	12	12.6	190
195	13.4	13.8	13.9	14.1	11.7	12.1	12.4	13	13	13.4	13.7	14.1	12.3	12.7	13	13.5		10.7	11.1	11.4	12	195
200	12.7	13.1	13.3	13.5	11.1	11.4	11.8	12.3	12.3	12.7	13	13.4	11.7	12.1	12.4	12.8		10.1	10.5	10.8	11.4	200
205	12.1	12.4	12.7	13	10.6	10.8	11.1	11.5	11.7	12	12.3	12.7	11	11.4	11.8	12.2		9.5	9.9	10.3	10.8	205
210	11.4	11.8	12	12.4	10.1	10.3	10.5	10.8	11.1	11.4	11.7	12	10.4	10.8	11.2	11.6		9	9.3	9.7	10.2	210
215	10.8	11.2	11.4	11.8	9.6	9.8	10	10.3	10.5	10.8	11	11.4	9.8	10.2	10.6	11		8.5	8.8	9.1	9.5	215
220	10.2	10.6	10.8	11.1	9.1	9.3	9.5	9.8	9.9	10.2	10.5	10.8	9.3	9.7	10	10.4		8	8.3	8.6	8.9	220
225	9.6	9.9	10.2	10.5	8.6	8.8	9	9.3	9.4	9.7	9.9	10.2	8.8	9.1	9.4	9.8		7.6	7.9	8.1	8.4	225
230	9	9.3	9.6	9.8	8	8.3	8.5	8.7	8.8	9.1	9.3	9.6	8.2	8.6	8.9	9.2		7.1	7.4	7.6	7.9	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		6.7	6.9	7.2	7.4	235
240	7.8	8.1	8.3	8.6	7	7.3	7.5	7.7	7.7	8	8.2	8.4	7.2	7.5	7.7	8		6.2	6.5	6.7	6.9	240
245	7.3	7.5	7.7	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		5.8	6	6.2	6.4	245
250	6.8	7	7.2	7.3	6.1	6.3	6.6	6.7	6.6	6.8	7.1	7.2	6.1	6.4	6.6	6.8		5.3	5.6	5.8	5.9	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		4.9	5.1	5.3	5.4	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		4.5	4.7	4.8	5	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		4.1	4.3	4.4	4.5	265
270	4.9	5	5.2	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		3.7	3.9	4	4	270
275	4.4	4.5	4.6	4.5	3.9	4.1	4.2	4.1	4.3	4.5	4.6	4.6	3.9	4.1	4.2	4.2		3.3	3.5	3.6	3.6	275
280	4	4.1	4.2	4	3.5	3.6	3.7	3.6	3.9	4.1	4.2	4	3.5	3.6	3.7	3.7		2.9	3.1	3.2	3.2	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		2.6	2.7	2.8	2.7	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		2.1	2.3	2.4	2.2	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		1.6	1.8	1.9	1.6	295
300					2	2	2		2.3	2.4	2.4	2	1.8	1.9	1.9							300
305									1.9	2	1.9											305

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# Lifting capacities Forces de levage

TK 69

Height (ft)	53 ft				157 ft				174 ft				183 ft 69 ft				191 ft				201 ft				209 ft				Height (ft)
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
	17	14.8																											
18	15.5																												18
19	16.3																												19
20	16.9																												20
22	18																												22
24	19																												24
26	20.3																												26
28	21.5	19.2																											28
30	22.3	19.5																											30
32	22.8	19.8																											32
34	23	19.8																											34
36	22.7	19.8																											36
38	22.3	19.7																											38
40	21.8	19.4	16.7																										40
45	20.7	18.4	16.3																										45
50	19.6	17.4	15.5																										50
55	18.5	16.5	14.8	11.8																									55
60	17.5	15.6	14.1	11.6																									60
65	16.5	14.8	13.4	11.2																									65
70	15.4	14.1	12.8	11																									70
75	14.4	13.4	12.3	10.7																									75
80	13.4	12.8	11.8	10.5																									80
85	12.3	12.2	11.3	10.3																									85
90	11.6	11.6	11	10.2																									90
95	10.9	11.1	10.7	10.1																									95
100	10.3	10.8	10.5	10.1																									100
105	9.8	10.5	10.3	10.1																									105
110	9.3	10.3	10.3																										110
115	9	10.1																											115
120																													120
125																													125
130																													130
135																													135
140																													140
145																													145
150																													150
155																													155
160																													160
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250																													250
255																													255
260																													260
265																													265
270																													270

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# Lifting capacities Forces de levage

TK 69

	218 ft				226 ft				235 ft				241 ft 69 ft				243 ft				253 ft				259 ft						
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°			
50	17.2																												50		
55	17.2				18.1					16.4			16																55		
60	17				17.9					16.3			15.9				16.7				15.5				15.1				60		
65	16.8	15.5			17.8	16.3				16.2			15.8				16.5				15.4				15				65		
70	16.6	15.2			17.5	15.9				16	14.8		15.7	14.6			16.4	15.2			15.3				14.9				70		
75	16.4	14.9	13.3		17.3	15.6				15.8	14.5		15.5	14.3			16.2	14.9			15.1	14.1			14.7	13.8			75		
80	16.1	14.6	13.1		17	15.3	13.5			15.6	14.2	12.9		15.3	14.1	12.8		16	14.6		15	13.8			14.6	13.6			80		
85	15.8	14.3	12.8		16.7	14.9	13.3			15.4	14	12.7		15.1	13.8	12.5		15.8	14.3	12.9	14.8	13.6	12.4		14.4	13.4	12.3		85		
90	15.5	14	12.6	10.5	16.4	14.6	13			15.1	13.7	12.4		14.8	13.6	12.3		15.5	14.1	12.7	14.6	13.4	12.2		14.3	13.2	12.1		90		
95	15.2	13.7	12.4	10.4	16.1	14.3	12.8	10.5		14.9	13.5	12.2	10.3		14.6	13.3	12.1		15.3	13.8	12.4		14.4	13.2	12		14.1	13	11.9		95
100	15	13.5	12.2	10.3	15.8	14	12.6	10.4		14.6	13.3	12	10.2		14.4	13.1	11.9	10.2	15	13.6	12.3	10.3	14.2	13	11.8	10.2	13.9	12.8	11.7		100
105	14.7	13.2	12	10.2	15.5	13.8	12.3	10.3		14.4	13	11.9	10.1		14.1	12.9	11.8	10.1	14.8	13.3	12.1	10.2	13.9	12.8	11.7	10.1	13.7	12.6	11.6	10	105
110	14.4	13	11.8	10.1	15.2	13.5	12.1	10.2		14.1	12.8	11.7	10		13.9	12.7	11.6	10	14.5	13.1	11.9	10.1	13.7	12.6	11.5	10	13.5	12.4	11.4	10	110
115	14.1	12.8	11.6	10	14.9	13.3	12	10.1		13.9	12.6	11.5	10		13.7	12.4	11.4	9.9	14.3	12.8	11.7	10	13.5	12.3	11.4	9.9	13.3	12.2	11.3	9.9	115
120	13.9	12.6	11.4	9.9	14.6	13.1	11.8	10.1		13.7	12.4	11.3	9.9		13.5	12.3	11.3	9.9	14	12.7	11.5	10	13.3	12.2	11.2	9.8	13.1	12	11.1	9.8	120
125	13.6	12.4	11.3	9.9	14.3	12.8	11.6	10		13.4	12.2	11.2	9.8		13.3	12.1	11.1	9.8	13.8	12.5	11.3	9.9	13.1	12	11.1	9.8	12.9	11.8	11	9.7	125
130	13.3	12.1	11.1	9.8	14	12.6	11.5	9.9		13.2	12	11	9.8		13	12	11	9.7	13.5	12.3	11.2	9.8	12.9	11.9	10.9	9.7	12.7	11.7	10.9	9.7	130
135	13.1	11.9	11	9.8	13.7	12.4	11.3	9.9		12.9	11.9	10.9	9.7		12.8	11.8	10.9	9.7	13.3	12.1	11.1	9.8	12.7	11.7	10.8	9.7	12.5	11.6	10.8	9.6	135
140	12.8	11.7	10.8	9.8	13.4	12.1	11.1	9.8		12.7	11.7	10.8	9.7		12.6	11.6	10.7	9.6	13.1	11.9	11	9.7	12.5	11.6	10.7	9.6	12.3	11.4	10.7	9.6	140
145	12.6	11.6	10.7	9.7	13.2	11.9	10.9	9.8		12.5	11.5	10.7	9.7		12.4	11.5	10.6	9.6	12.8	11.7	10.8	9.7	12.3	11.4	10.6	9.6	12.2	11.3	10.6	9.6	145
150	12.4	11.4	10.5	9.7	13	11.8	10.8	9.7		12.3	11.3	10.6	9.6		12.2	11.3	10.5	9.6	12.6	11.5	10.7	9.7	12.2	11.3	10.5	9.6	12	11.2	10.5	9.5	150
155	12.1	11.3	10.4	9.7	12.7	11.6	10.6	9.7		12.1	11.2	10.4	9.6		12	11.2	10.4	9.6	12.4	11.4	10.6	9.6	12	11.1	10.4	9.6	11.8	11.1	10.4	9.5	155
160	11.9	11.1	10.4	9.7	12.5	11.5	10.6	9.6		11.9	11.1	10.3	9.6		11.8	11	10.3	9.6	12.2	11.2	10.5	9.6	11.8	11	10.3	9.5	11.6	10.9	10.3	9.5	160
165	11.7	11	10.3	9.7	12.3	11.3	10.5	9.6		11.7	11	10.3	9.6		11.7	10.9	10.2	9.5	12	11.1	10.4	9.5	11.6	10.9	10.2	9.5	11.5	10.8	10.2	9.5	165
170	11.4	10.8	10.2	9.7	12	11.2	10.4	9.6		11.5	10.8	10.2	9.6		11.5	10.8	10.1	9.5	11.9	11	10.3	9.5	11.5	10.8	10.1	9.5	11.3	10.7	10.1	9.5	170
175	11.2	10.7	10.1	9.7	11.8	11	10.3	9.6		11.3	10.7	10.1	9.6		11.3	10.7	10.1	9.5	11.7	10.9	10.2	9.5	11.3	10.7	10.1	9.5	11.2	10.6	10	9.5	175
180	11	10.5	10	9.7	11.5	10.9	10.2	9.6		11.1	10.6	10.1	9.6		11.1	10.6	10	9.5	11.5	10.8	10.1	9.5	11.2	10.6	10	9.5	11.1	10.5	9.9	9.5	180
185	10.8	10.4	10	9.7	11.3	10.7	10.1	9.6		11	10.5	10	9.6		11	10.5	10	9.5	11.3	10.6	10.1	9.5	11	10.5	10	9.5	10.9	10.4	9.9	9.5	185
190	10.6	10.3	9.9	9.7	11.1	10.5	10	9.6		10.8	10.4	9.9	9.6		10.8	10.4	9.9	9.5	11.1	10.5	10	9.5	10.9	10.4	9.9	9.5	10.8	10.4	9.9	9.5	190
195	10.4	10.2	9.8	9.7	10.8	10.4	9.9	9.6		10.6	10.2	9.9	9.6		10.6	10.2	9.8	9.5	10.9	10.4	9.9	9.5	10.7	10.3	9.8	9.5	10.6	10.3	9.8	9.5	195
200	10.3	10.2	9.8	9.7	10.6	10.3	9.8	9.6		10.4	10.1	9.8	9.6		10.4	10.1	9.8	9.5	10.7	10.3	9.8	9.5	10.6	10.2	9.8	9.5	10.5	10.2	9.8	9.5	200
205	10.1	10.1	9.8	9.7	10.4	10.2	9.8	9.6		10.3	10.1	9.7	9.6		10.1	10	9.7	9.5	10.5	10.2	9.8	9.5	10.4	10.1	9.7	9.5	10.4	10.1	9.7	9.5	205
210	9.9	10	9.8	9.7	10.3	10.1	9.8	9.6		10.1	10	9.7	9.6		9.8	9.8	9.6	9.5	10.3	10	9.7	9.5	10.3	10	9.7	9.5	10.2	10	9.7	9.5	210
215	9.7	9.9	9.8	9.7	10.1	10.1	9.8	9.6		10	10	9.7	9.6		9.4	9.5	9.4	9.5	10.1	10	9.7	9.5	10.1	9.9	9.6	9.5	10	9.9	9.6	9.5	215
220	9.6	9.9	9.8	9.7	9.9	10	9.8	9.6		9.8	9.9	9.7	9.6		9.1	9.2	9.2	9.5	10	9.9	9.7	9.5	10	9.8	9.6	9.5	9.7	9.7	9.6	9.5	220
225	9.4	9.8	9.8	9.7	9.7	9.9	9.8	9.6		9.7	9.9	9.7	9.6		8.8	8.9	8.9	9.3	9.9	9.9	9.7	9.5	9.9	9.7	9.5	9.5	9.4	9.6	9.5	9.5	225
230	9.3	9.7	9.7	9.7	9.6	9.8	9.7	9.6		9.5	9.8	9.7	9.6		8.5	8.6	8.6	9	9.7	9.8	9.7	9.5	9.7	9.7	9.5	9.5	9.1	9.3	9.3	9.5	230
235	9.2	9.5	9.6	9.7	9.5	9.8	9.7	9.6		9.4	9.7	9.7	9.6		8.1	8.3	8.3	8.6	9.6	9.8	9.7	9.5	9.6	9.6	9.5	9.5	8.8	9	9	9.4	235
240	9	9.3	9.4	9.7	9.3	9.8	9.7	9.6		9.2	9.7	9.7	9.6		7.8	8	8.1	8.3	9.4	9.7	9.7	9.5	9.5	9.5	9.4	9.5	8.5	8.6	8.7	9.2	240
245	8.9	9.1	9.2	9.7	9.2	9.8	9.7	9.6		9	9.6	9.7	9.6		7.5	7.7	7.8	8	9.3	9.7	9.7	9.5	9.4	9.5	9.4	9.5	8.1	8.3	8.4	8.8	245
250	8.8	8.9	9	9.4	9.1	9.8	9.7	9.6		8.8	9.3	9.5	9.6		7.1	7.4	7.5	7.7	9.1	9.6	9.7	9.5	9.2	9.4	9.4	9.5	7.8	8	8.1	8.5	250
255	8.7	8.8	8.8	9.1	9	9.8	9.7	9.6		8.5	9	9.1	9.3		6.8	7	7.2	7.3	9	9.5	9.6	9.5	9.1	9.3	9.3	9.5	7.5	7.7	7.8	8.1	255
260	8.5	8.6	8.7	9	8.9	9.8	9.7	9.6		8.3	8.7	8.8	8.9		6.4	6.6	6.8	6.9	8.9	9.3	9.4	9.5	8.9	9.2	9.3	9.4	7.2	7.4	7.5	7.7	260
265	8.3	8.4	8.5		8.8	9.8	9.7	9.6		8.1	8.4	8.5	8.5		6.1	6.3	6.4	6.4	8.8	9.1	9.2	9.5	8.6	9	9.1	9.3	6.9	7.1	7.2	7.4	265
270	8.2	8.2	8.3		8.8	9.7	9.7	9.6		7.8	8	8.2	8.2		5.8	5.9	6.1	6	8.7	8.9	9	9.4	8.4	8.7	8.8	9	6.6	6.8	6.9	7	270
275	8	8	8.2		8.8	9.5	9.6	4.2		7.6	7.7	7.8	7.9		5.4	5.6	5.7	5.6	8.5	8.7	8.8	9.1	8.2	8.4	8.6	8.7	6.3	6.4	6.6	6.6	275
280	7.9				8.8	9.2	9.3			7.4	7.4	7.5	7.6		5.1	5.2	5.3	5.3	8.4	8.5	8.6	8.8	8	8.2	8.3	8.4	5.9	6.1	6.2	6.3	280
285					8.6	9	3.4			7.1	7.1	7.2			4.8	4.9	5	4.9	8.2	8.3	8.4	8.6	7.7	7.9	8	8.1	5.6	5.8	5.9	5.9	285

# Lifting capacities Forces de levage

TK 69

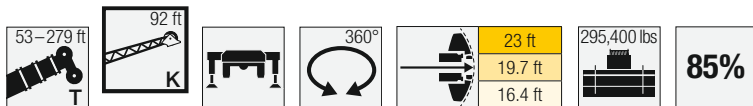
	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
65	15.2				15				14.5				14								65
70	15.1				14.9				14.4				13.9								70
75	15	14			14.8	13.9			14.3				13.8								75
80	14.8	13.8			14.7	13.7			14.1	13.3			13.7	13							80
85	14.7	13.6	12.4		14.5	13.4			14	13.1			13.6	12.8							85
90	14.5	13.4	12.2		14.3	13.2	12.1		13.8	12.9	11.9		13.4	12.6	11.7						90
95	14.3	13.1	12		14.1	13	11.9		13.7	12.7	11.7		13.3	12.4	11.5						95
100	14.1	12.9	11.8		13.9	12.8	11.7		13.5	12.5	11.6		13.2	12.3	11.4						100
105	13.9	12.7	11.7	10.1	13.7	12.6	11.6	10	13.3	12.3	11.4	10	13	12.1	11.2						105
110	13.7	12.5	11.5	10	13.5	12.4	11.4	10	13.1	12.1	11.3	9.9	12.8	11.9	11.1	9.8					110
115	13.5	12.3	11.3	9.9	13.4	12.2	11.3	9.9	13	12	11.2	9.8	12.7	11.8	11	9.8					115
120	13.3	12.2	11.2	9.8	13.2	12.1	11.2	9.8	12.8	11.8	11	9.8	12.5	11.6	10.9	9.7					120
125	13.1	12	11.1	9.8	13	11.9	11.1	9.8	12.6	11.7	10.9	9.7	12.4	11.5	10.8	9.6					125
130	12.9	11.8	11	9.7	12.8	11.8	10.9	9.7	12.5	11.5	10.8	9.6	12.2	11.3	10.7	9.6					130
135	12.7	11.7	10.8	9.6	12.6	11.6	10.8	9.6	12.3	11.4	10.7	9.6	12.1	11.2	10.6	9.5					135
140	12.5	11.6	10.7	9.6	12.4	11.5	10.7	9.6	12.1	11.3	10.6	9.5	11.9	11.1	10.5	9.5					140
145	12.3	11.4	10.6	9.6	12.3	11.4	10.6	9.5	12	11.2	10.5	9.5	11.8	11	10.4	9.5					145
150	12.1	11.3	10.5	9.6	12.1	11.2	10.5	9.5	11.8	11.1	10.4	9.5	11.7	10.9	10.3	9.4					150
155	12	11.2	10.4	9.5	11.9	11.1	10.4	9.5	11.7	11	10.3	9.5	11.5	10.8	10.3	9.4					155
160	11.8	11	10.3	9.5	11.7	11	10.3	9.5	11.5	10.8	10.2	9.5	11.4	10.7	10.2	9.4					160
165	11.6	10.9	10.2	9.5	11.5	10.9	10.2	9.5	11.3	10.7	10.1	9.4	11.3	10.6	10.1	9.4					165
170	11.5	10.8	10.1	9.5	11.2	10.7	10.1	9.5	11.2	10.6	10	9.4	11.1	10.5	10	9.4					170
175	11.3	10.7	10.1	9.5	11	10.6	10	9.5	11	10.5	10	9.4	10.9	10.4	9.9	9.4					175
180	11.2	10.6	10	9.4	10.8	10.4	9.9	9.4	10.8	10.4	9.9	9.4	10.7	10.3	9.8	9.4					180
185	11.1	10.5	9.9	9.4	10.5	10.2	9.8	9.4	10.6	10.3	9.8	9.4	10.4	10.1	9.7	9.4					185
190	10.9	10.4	9.9	9.4	10.3	10	9.6	9.3	10.5	10.1	9.7	9.4	10.2	9.9	9.6	9.4					190
195	10.8	10.3	9.8	9.4	10	9.8	9.5	9.3	10.3	10	9.6	9.4	9.9	9.7	9.5	9.3					195
200	10.6	10.2	9.8	9.4	9.8	9.6	9.4	9.2	10.1	9.9	9.5	9.3	9.7	9.5	9.3	9.3					200
205	10.5	10.1	9.7	9.4	9.5	9.4	9.3	9.1	9.9	9.7	9.5	9.3	9.4	9.3	9.1	9.1					205
210	10.3	10.1	9.7	9.4	9.3	9.3	9.1	9.1	9.8	9.6	9.4	9.3	9.1	9.1	9	9					210
215	10.1	10	9.6	9.4	9	9.1	9	9	9.6	9.5	9.3	9.3	8.9	8.9	8.8	8.9					215
220	9.8	9.8	9.6	9.4	8.7	8.9	8.9	8.9	9.4	9.3	9.2	9.2	8.6	8.7	8.6	8.7					220
225	9.3	9.6	9.5	9.4	8.3	8.6	8.8	8.8	9.2	9.2	9.2	9.2	8.4	8.5	8.5	8.6					225
230	8.8	9.2	9.3	9.4	7.8	8.3	8.5	8.8	8.7	9	9.1	9.2	8.1	8.3	8.3	8.5					230
235	8.3	8.7	8.9	9.3	7.4	7.8	8.2	8.6	8.2	8.7	8.9	9.2	7.6	8.1	8.2	8.3					235
240	7.8	8.2	8.4	9	7	7.4	7.7	8.1	7.7	8.2	8.6	8.9	7.2	7.6	7.9	8.2					240
245	7.4	7.7	7.9	8.5	6.5	6.9	7.3	7.6	7.2	7.7	8.1	8.5	6.7	7.2	7.5	7.9					245
250	6.9	7.2	7.5	7.9	6.1	6.5	6.8	7.1	6.7	7.2	7.6	7.9	6.2	6.7	7.1	7.5					250
255	6.4	6.8	7	7.4	5.6	6	6.3	6.6	6.3	6.7	7.1	7.4	5.8	6.2	6.6	6.9					255
260	5.9	6.3	6.5	6.8	5.2	5.6	5.9	6.1	5.8	6.2	6.6	6.8	5.3	5.8	6.1	6.4					260
265	5.5	5.8	6.1	6.3	4.8	5.2	5.4	5.6	5.3	5.7	6.1	6.3	4.9	5.3	5.6	5.8					265
270	5.1	5.4	5.6	5.7	4.4	4.8	5	5.1	4.9	5.2	5.6	5.7	4.4	4.8	5.1	5.3					270
275	4.6	4.9	5.1	5.2	4	4.3	4.6	4.6	4.5	4.8	5.1	5.2	4	4.3	4.6	4.8					275
280	4.2	4.5	4.7	4.7	3.7	3.9	4.1	4.1	4.1	4.4	4.6	4.6	3.6	3.9	4.1	4.2					280
285	3.8	4.1	4.2	4.2	3.3	3.6	3.7	3.6	3.7	4	4.2	4.2	3.2	3.5	3.7	3.8					285
290	3.4	3.6	3.8	3.6	2.9	3.2	3.3	3.2	3.3	3.6	3.7	3.7	2.8	3.1	3.3	3.3					290
295	3	3.2	3.3	3.1	2.5	2.7	2.9	2.7	2.9	3.1	3.3	3.2	2.4	2.7	2.9	2.8					295
300	2.6	2.8	2.9	2.5	2.1	2.3	2.5	2.1	2.5	2.7	2.9	2.7	2	2.3	2.4	2.3					300
305	2.3	2.4	2.4	1.9	1.7	1.9	2		2.1	2.3	2.4	2.2		1.8	1.9						305
310	1.9	2	2						1.6	1.8	1.9										310

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# Lifting capacities Forces de levage

TK 92



	218 ft				226 ft				235 ft				241 ft				243 ft				253 ft				259 ft				
	92 ft				92 ft				92 ft				92 ft				92 ft				92 ft								
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
60	10.4				11.1				9.9				9.9				10.5				9.6							60	
65	10.6				11.2				10.2				9.9				10.5				9.6							65	
70	10.6				11.1				10.3				10.1				10.5				9.9				9.6			70	
75	10.5	9.6			11				10.2				10				10.4				9.8				9.6			75	
80	10.3	9.4			10.8	9.8			10.1	9.3			9.9	9.2			10.3	9.3			9.7				9.5			80	
85	10.2	9.3			10.6	9.6			9.9	9.1			9.8	9			10.1	9.3			9.6	8.9			9.4	8.8		85	
90	10	9.1	8.1		10.4	9.4			9.8	8.9			9.7	8.9			10	9.1			9.5	8.8			9.3	8.7		90	
95	9.9	8.9	7.9		10.3	9.2	8.2		9.6	8.8	7.9		9.5	8.7	7.8		9.8	9	7.9		9.4	8.6			9.2	8.5		95	
100	9.7	8.7	7.8		10.1	9.1	8		9.5	8.6	7.7		9.4	8.6	7.7		9.7	8.8	7.9		9.3	8.5	7.6		9.1	8.4	7.6	100	
105	9.5	8.6	7.6		9.9	8.9	7.8		9.3	8.5	7.6		9.2	8.4	7.5		9.6	8.7	7.7		9.1	8.4	7.5		9	8.3	7.4	105	
110	9.4	8.4	7.5		9.7	8.7	7.7		9.2	8.3	7.4		9.1	8.3	7.4		9.4	8.5	7.6		9	8.2	7.4		8.8	8.1	7.3	110	
115	9.2	8.3	7.3	6.1	9.6	8.6	7.6	6.2	9	8.2	7.3	6.1	9	8.1	7.3		9.2	8.4	7.4		8.8	8.1	7.3		8.7	8	7.2	115	
120	9	8.1	7.2	6.1	9.4	8.4	7.4	6.1	8.9	8.1	7.2	6	8.8	8	7.2	6	9.1	8.2	7.3	6.1	8.7	8	7.1	6	8.6	7.9	7.1	120	
125	8.9	8	7.1	6	9.2	8.3	7.3	6.1	8.8	7.9	7.1	6	8.7	7.9	7	6	9	8.1	7.2	6	8.6	7.8	7	5.9	8.5	7.8	7	5.9	125
130	8.7	7.8	7	5.9	9.1	8.1	7.2	6	8.6	7.8	7	5.9	8.5	7.7	6.9	5.9	8.8	7.9	7.1	5.9	8.5	7.7	6.9	5.9	8.4	7.6	6.9	5.8	130
135	8.6	7.7	6.9	5.9	8.9	8	7.1	6	8.5	7.6	6.9	5.9	8.4	7.6	6.8	5.8	8.7	7.8	7	5.9	8.4	7.6	6.8	5.8	8.3	7.5	6.8	5.8	135
140	8.4	7.5	6.8	5.8	8.7	7.8	7	5.9	8.3	7.5	6.8	5.8	8.3	7.5	6.7	5.8	8.5	7.7	6.9	5.8	8.2	7.5	6.7	5.8	8.1	7.4	6.7	5.8	140
145	8.2	7.4	6.7	5.8	8.6	7.6	6.9	5.9	8.2	7.4	6.7	5.8	8.2	7.4	6.6	5.8	8.4	7.6	6.8	5.8	8.1	7.4	6.6	5.7	8	7.3	6.6	5.7	145
150	8.1	7.2	6.6	5.7	8.4	7.5	6.8	5.8	8	7.3	6.6	5.7	8	7.2	6.6	5.7	8.3	7.4	6.7	5.8	8	7.3	6.5	5.7	7.9	7.2	6.5	5.7	150
155	7.9	7.1	6.5	5.7	8.3	7.4	6.7	5.8	7.9	7.1	6.5	5.7	7.9	7.1	6.5	5.7	8.1	7.3	6.6	5.7	7.9	7.1	6.5	5.7	7.8	7.1	6.4	5.6	155
160	7.8	7	6.4	5.7	8.1	7.2	6.6	5.7	7.8	7	6.4	5.7	7.8	7	6.4	5.7	8	7.2	6.5	5.7	7.8	7	6.4	5.6	7.7	7	6.4	5.6	160
165	7.6	6.9	6.3	5.7	8	7.1	6.5	5.7	7.6	6.9	6.3	5.6	7.6	6.9	6.3	5.6	7.8	7	6.4	5.7	7.6	6.9	6.3	5.6	7.6	6.9	6.3	5.6	165
170	7.5	6.8	6.2	5.6	7.8	7	6.3	5.7	7.5	6.8	6.2	5.6	7.5	6.8	6.2	5.6	7.7	6.9	6.3	5.6	7.5	6.8	6.2	5.6	7.5	6.8	6.2	5.6	170
175	7.4	6.7	6.2	5.6	7.7	6.9	6.3	5.6	7.4	6.7	6.2	5.6	7.4	6.7	6.2	5.6	7.6	6.8	6.3	5.6	7.4	6.7	6.2	5.6	7.3	6.7	6.1	5.6	175
180	7.2	6.6	6.1	5.6	7.5	6.8	6.2	5.6	7.3	6.6	6.1	5.6	7.3	6.6	6.1	5.6	7.5	6.7	6.2	5.6	7.3	6.6	6.1	5.5	7.2	6.6	6.1	5.5	180
185	7.1	6.5	6.1	5.6	7.4	6.7	6.2	5.6	7.2	6.5	6.1	5.5	7.1	6.5	6	5.6	7.3	6.7	6.1	5.6	7.2	6.5	6	5.5	7.1	6.5	6	5.5	185
190	6.9	6.4	6	5.6	7.3	6.6	6.1	5.6	7	6.5	6	5.5	7	6.4	6	5.5	7.2	6.6	6.1	5.5	7.1	6.5	6	5.5	7	6.4	6	5.5	190
195	6.8	6.3	5.9	5.6	7.1	6.5	6	5.6	6.9	6.4	6	5.5	6.9	6.4	5.9	5.5	7.1	6.5	6	5.5	7	6.4	5.9	5.5	6.9	6.4	5.9	5.5	195
200	6.7	6.2	5.9	5.6	7	6.4	6	5.6	6.8	6.3	5.9	5.5	6.8	6.3	5.9	5.5	7	6.4	6	5.5	6.8	6.3	5.9	5.5	6.8	6.3	5.9	5.5	200
205	6.5	6.1	5.8	5.6	6.8	6.3	5.9	5.6	6.6	6.2	5.9	5.5	6.7	6.2	5.8	5.5	6.9	6.3	5.9	5.5	6.7	6.2	5.8	5.5	6.7	6.2	5.8	5.5	205
210	6.4	6.1	5.8	5.6	6.7	6.2	5.9	5.6	6.5	6.1	5.8	5.5	6.5	6.1	5.8	5.5	6.7	6.2	5.9	5.5	6.6	6.2	5.8	5.5	6.6	6.2	5.8	5.5	210
215	6.3	6	5.8	5.6	6.6	6.1	5.8	5.6	6.4	6.1	5.8	5.5	6.4	6	5.7	5.5	6.6	6.2	5.8	5.5	6.5	6.1	5.8	5.5	6.5	6.1	5.7	5.5	215
220	6.2	6	5.7	5.6	6.5	6.1	5.8	5.6	6.3	6	5.7	5.5	6.3	6	5.7	5.5	6.5	6.1	5.8	5.5	6.4	6	5.7	5.5	6.4	6	5.7	5.5	220
225	6.1	5.9	5.7	5.6	6.4	6	5.7	5.6	6.2	5.9	5.7	5.5	6.2	5.9	5.7	5.5	6.4	6	5.7	5.5	6.3	5.9	5.7	5.5	6.3	5.9	5.7	5.5	225
230	6	5.9	5.7	5.6	6.2	6	5.7	5.6	6.1	5.9	5.6	5.5	6.1	5.8	5.6	5.5	6.3	5.9	5.6	5.5	6.2	5.9	5.6	5.5	6.2	5.9	5.6	5.5	230
235	5.9	5.8	5.7	5.6	6.1	5.9	5.7	5.6	6	5.8	5.6	5.5	6	5.8	5.6	5.5	6.2	5.9	5.6	5.5	6.1	5.8	5.6	5.5	6.1	5.8	5.6	5.5	235
240	5.7	5.8	5.7	5.6	6	5.9	5.7	5.6	5.9	5.8	5.6	5.5	5.9	5.8	5.6	5.5	6.1	5.8	5.6	5.5	6	5.8	5.6	5.5	6	5.8	5.5	5.5	240
245	5.7	5.7	5.7	5.6	5.9	5.8	5.7	5.6	5.8	5.8	5.6	5.5	5.9	5.7	5.6	5.5	5.9	5.8	5.6	5.5	5.9	5.7	5.6	5.5	5.9	5.7	5.5	5.5	245
250	5.6	5.7	5.6	5.6	5.7	5.7	5.6	5.6	5.7	5.7	5.6	5.5	5.8	5.7	5.6	5.5	5.8	5.8	5.6	5.5	5.9	5.7	5.6	5.5	5.9	5.7	5.5	5.5	250
255	5.5	5.7	5.6	5.6	5.7	5.7	5.6	5.6	5.6	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.8	5.7	5.6	5.5	5.8	5.6	5.5	5.5	255
260	5.5	5.7	5.6	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.5	5.6	5.7	5.6	5.5	5.6	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.7	5.5	5.4	5.5	260
265	5.4	5.7	5.6	5.6	5.5	5.7	5.6	5.6	5.5	5.6	5.6	5.5	5.4	5.6	5.6	5.5	5.6	5.6	5.6	5.5	5.6	5.6	5.6	5.5	5.6	5.5	5.4	5.5	265
270	5.3	5.7	5.6	5.6	5.5	5.7	5.6	5.6	5.4	5.6	5.6	5.5	5.2	5.5	5.6	5.5	5.5	5.6	5.6	5.5	5.5	5.6	5.6	5.5	5.5	5.5	5.4	5.5	270
275	5.2	5.7	5.6	5.6	5.4	5.7	5.6	5.6	5.4	5.6	5.6	5.5	4.9	5.3	5.5	5.5	5.4	5.6	5.6	5.5	5.4	5.6	5.6	5.5	5.4	5.4	5.3	5.5	275
280	5.2	5.7	5.6	5.6	5.3	5.7	5.6	5.6	5.3	5.6	5.6	5.5	4.6	5	5.2	5.3	5.4	5.6	5.6	5.5	5.4	5.6	5.6	5.5	5.3	5.4	5.3	5.5	280
285	5.2	5.7	5.6		5.2	5.7	5.6	5.6	5.3	5.6	5.6	5.5	4.4	4.7	4.9	4.9	5.3	5.6	5.6	5.5	5.3	5.6	5.6	5.5	5.1	5.3	5.3	5.5	285
290	5.2	5.7	5.6		5.2	5.7	5.6	3.6	5.2	5.6	5.6	5.5	4.1	4.4	4.5	4.5	5.3	5.6	5.6	5.5	5.3	5.6	5.6	5.5	4.9	5.1	5.2	5.3	290
295	5.2	5.7			5.2	5.7	5.6		5.2	5.6	5.6	5.5	3.8	4.1	4.2	4.1	5.2	5.6	5.6	5.5	5.3	5.6	5.6	5.5	4.6	4.8	5	5.1	295
300	5.2				5.2	5.7	5.6		5.1	5.6	5.6		3.6	3.8	3.9	3.8	5.2	5.6	5.6	5.5	5.2	5.6	5.6	5.5	4.3	4.6	4.7	4.7	300
305					5.2	5.7	2		5.1	5.6	5.6		3.3	3.5	3.5	3.6	5.2	5.6	5.6	5.5	5.2	5.6	5.6	5.5	4.1	4.3	4.4	4.3	305
310					5.2	1.9			5.1	5.4	5.5		3	3.2	3.2		5.2	5.6	5.6	2.1	5.1	5.6	5.6	5.5	3.8	4	4.1	4	310
315									5.1	5.2			2.8	2.9	2.9		5.2	5.6	5.6		5.1	5.6	5.6		3.6	3.7	3.8	3.7	315



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

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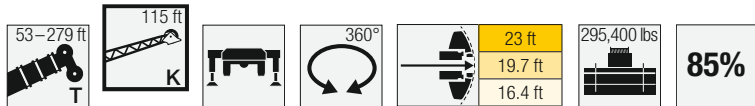
# Lifting capacities Forces de levage

TK 115

Height	218 ft				226 ft				235 ft				241 ft				243 ft				253 ft				259 ft							
	115 ft				115 ft				115 ft				115 ft				115 ft				115 ft											
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°
65	5.9				6.7				5.8				5.6				5.8															65
70	6.1								6				5.8				6.2				5.6				5.4						70	
75	6.3				6.9				6.2				6				6.4				5.8			5.6							75	
80	6.5				7				6.4				6.2				6.6				6			5.8							80	
85	6.6				7.1				6.3				6.1				6.5				5.9			5.7							85	
90	6.6	5.7			7.1	6.1			6.4	5.6			6.2				6.6				6			5.9							90	
95	6.7	5.7			7.1	6.1			6.4	5.6			6.3	5.5			6.6	5.7			6.1	5.4		5.9							95	
100	6.6	5.7			7.1	6			6.4	5.5			6.3	5.5			6.6	5.7			6.1	5.4		6	5.3						100	
105	6.6	5.6	4.5		6.9	6			6.4	5.5			6.3	5.4			6.6	5.7			6.2	5.4		6	5.3						105	
110	6.5	5.5	4.4		6.8	5.9	4.7		6.4	5.5	4.4		6.3	5.4			6.5	5.7			6.2	5.4		6	5.2						110	
115	6.4	5.4	4.4		6.7	5.8	4.6		6.3	5.4	4.3		6.2	5.3	4.3		6.4	5.6	4.5		6.1	5.3	4.3	6	5.2						115	
120	6.3	5.3	4.3		6.6	5.7	4.6		6.2	5.3	4.3		6.1	5.2	4.3		6.3	5.5	4.5		6	5.2	4.3	5.9	5.2	4.2					120	
125	6.2	5.2	4.3		6.4	5.6	4.5		6.1	5.2	4.3		6	5.2	4.2		6.2	5.4	4.4		5.9	5.2	4.2	5.8	5.1	4.2					125	
130	6	5.2	4.2		6.3	5.5	4.5		6	5.2	4.2		5.9	5.1	4.2		6.1	5.4	4.3		5.8	5.1	4.2	5.7	5	4.1					130	
135	5.9	5.1	4.2	3	6.2	5.4	4.4	3.1	5.8	5.1	4.2		5.8	5	4.1		6	5.2	4.3		5.7	5	4.1	5.7	5	4.1					135	
140	5.8	5	4.1	3	6	5.3	4.3	3.1	5.7	5	4.1	3	5.7	5	4.1	3	5.9	5.1	4.2	3	5.6	5	4.1	5.6	4.9	4					140	
145	5.7	4.9	4.1	3	5.9	5.2	4.3	3.1	5.6	4.9	4.1	3	5.6	4.9	4.1	3	5.8	5	4.2	3	5.5	4.9	4	5.5	4.8	4	2.9	5.5	4.8	4	2.9	145
150	5.5	4.8	4	3	5.8	5	4.2	3.1	5.5	4.8	4	3	5.5	4.8	4	3	5.6	4.9	4.1	3	5.4	4.8	4	5.4	4.7	3.9	2.9	5.4	4.7	3.9	2.9	150
155	5.4	4.8	4	3	5.7	4.9	4.2	3.1	5.4	4.7	4	3	5.4	4.7	3.9	3	5.5	4.8	4.1	3	5.3	4.7	4	5.3	4.6	3.9	2.9	5.3	4.6	3.9	2.9	155
160	5.3	4.7	4	3	5.6	4.8	4.1	3.1	5.3	4.6	4	3	5.2	4.6	3.9	3	5.4	4.7	4.1	3	5.2	4.6	3.9	5.2	4.6	3.9	2.9	5.2	4.6	3.9	2.9	160
165	5.2	4.5	3.9	3	5.4	4.7	4.1	3.1	5.2	4.5	3.9	3	5.1	4.5	3.9	3	5.3	4.7	4	3	5.1	4.5	3.9	5.1	4.5	3.8	2.9	5.1	4.5	3.8	2.9	165
170	5.1	4.4	3.9	3	5.3	4.6	4	3.1	5.1	4.5	3.9	3	5	4.5	3.8	3	5.2	4.6	4	3	5	4.5	3.8	5	4.4	3.8	2.9	5	4.4	3.8	2.9	170
175	5	4.4	3.8	3	5.2	4.5	4	3.1	5	4.4	3.8	3	4.9	4.4	3.8	3	5.1	4.5	3.9	3	4.9	4.4	3.8	4.9	4.4	3.8	2.9	4.9	4.4	3.8	2.9	175
180	4.9	4.3	3.8	3	5.1	4.4	3.9	3.1	4.9	4.3	3.8	3	4.8	4.3	3.8	3	5	4.4	3.9	3	4.9	4.3	3.8	4.8	4.3	3.8	2.9	4.8	4.3	3.8	2.9	180
185	4.8	4.2	3.7	3.1	5	4.4	3.9	3.1	4.8	4.2	3.8	3	4.8	4.2	3.7	3	4.9	4.3	3.8	3	4.8	4.2	3.7	4.7	4.2	3.7	3	4.7	4.2	3.7	3	185
190	4.7	4.2	3.7	3.1	4.9	4.3	3.8	3.1	4.7	4.1	3.7	3	4.7	4.1	3.7	3	4.8	4.2	3.8	3	4.7	4.1	3.7	4.6	4.1	3.7	3	4.6	4.1	3.7	3	190
195	4.6	4.1	3.7	3.1	4.8	4.2	3.8	3.1	4.6	4.1	3.7	3	4.6	4.1	3.6	3.1	4.7	4.1	3.7	3	4.6	4.1	3.7	4.6	4	3.6	3	4.6	4	3.6	3	195
200	4.5	4	3.6	3.1	4.7	4.1	3.7	3.1	4.5	4	3.6	3	4.5	4	3.6	3.1	4.6	4.1	3.7	3	4.5	4	3.6	4.5	4	3.6	3	4.5	4	3.6	3	200
205	4.4	3.9	3.6	3.1	4.6	4.1	3.7	3.1	4.4	4	3.6	3	4.4	4	3.6	3.1	4.6	4	3.6	3	4.4	4	3.6	4.4	4	3.6	3	4.4	3.9	3.6	3	205
210	4.3	3.9	3.6	3	4.5	4	3.6	3.1	4.3	3.9	3.6	3	4.3	3.9	3.5	3.1	4.5	4	3.6	3	4.4	3.9	3.5	4.3	3.9	3.5	3	4.3	3.9	3.5	3	210
215	4.2	3.8	3.5	2.9	4.4	3.9	3.6	3	4.2	3.8	3.5	3	4.2	3.8	3.5	3.1	4.4	3.9	3.6	3	4.3	3.8	3.5	4.3	3.8	3.5	3.1	4.3	3.8	3.5	3.1	215
220	4.1	3.7	3.5	2.9	4.3	3.8	3.6	3	4.2	3.8	3.5	3	4.2	3.8	3.5	3.1	4.3	3.8	3.5	3	4.2	3.8	3.5	4.2	3.8	3.4	3.1	4.2	3.8	3.4	3.1	220
225	4	3.7	3.4	2.9	4.2	3.8	3.5	3	4.1	3.7	3.5	3	4.1	3.7	3.4	3	4.2	3.8	3.5	3	4.1	3.7	3.4	4.1	3.7	3.4	3.1	4.1	3.7	3.4	3.1	225
230	3.9	3.6	3.4	2.9	4.1	3.7	3.5	3	4	3.7	3.4	3	4	3.7	3.4	3	4.1	3.7	3.5	3	4	3.7	3.4	4	3.7	3.4	3.1	4	3.7	3.4	3.1	230
235	3.8	3.6	3.4	2.9	4	3.7	3.4	3	3.9	3.6	3.4	3	3.9	3.6	3.4	3	4	3.6	3.4	3	4	3.6	3.4	4	3.6	3.4	3.1	4	3.6	3.4	3.1	235
240	3.8	3.6	3.4	2.9	3.9	3.6	3.4	3	3.8	3.6	3.3	3	3.9	3.5	3.3	3	4	3.6	3.4	3	3.9	3.6	3.3	3.9	3.6	3.3	3	3.9	3.6	3.3	3.1	240
245	3.7	3.5	3.3	2.9	3.8	3.6	3.4	3	3.8	3.5	3.3	3	3.8	3.5	3.3	3	3.9	3.5	3.3	3	3.8	3.5	3.3	3.8	3.5	3.3	3	3.8	3.5	3.3	3.1	245
250	3.6	3.5	3.3	2.9	3.8	3.5	3.3	3	3.7	3.5	3.3	3	3.7	3.5	3.3	3	3.8	3.5	3.3	3	3.8	3.5	3.3	3.8	3.5	3.3	3	3.7	3.5	3.3	3.1	250
255	3.5	3.4	3.3	2.9	3.7	3.5	3.3	3	3.6	3.5	3.3	3	3.6	3.4	3.3	3	3.7	3.5	3.3	3	3.7	3.4	3.2	3.7	3.4	3.2	3.1	3.7	3.4	3.2	3.1	255
260	3.4	3.4	3.3	2.9	3.6	3.5	3.3	3	3.6	3.4	3.3	3	3.6	3.4	3.2	3	3.7	3.4	3.3	3	3.6	3.4	3.2	3.6	3.4	3.2	3.1	3.6	3.4	3.2	3.1	260
265	3.4	3.4	3.3	2.9	3.5	3.4	3.3	3	3.5	3.4	3.3	3	3.5	3.4	3.2	3	3.6	3.4	3.3	3	3.6	3.4	3.2	3.6	3.4	3.2	3.1	3.6	3.4	3.2	3.1	265
270	3.3	3.3	3.3	2.9	3.4	3.4	3.3	3	3.4	3.4	3.3	3	3.4	3.3	3.2	3	3.5	3.4	3.3	3	3.5	3.3	3.2	3.5	3.3	3.2	3.1	3.5	3.3	3.2	3.1	270
275	3.3	3.3	3.3	2.9	3.4	3.3	3.3	3	3.3	3.3	3.3	3	3.4	3.3	3.2	3	3.5	3.4	3.2	3	3.4	3.3	3.2	3.4	3.3	3.2	3	3.5	3.3	3.2	3.1	275
280	3.2	3.3	3.3	2.9	3.3	3.3	3.3	3	3.3	3.3	3.3	3	3.3	3.3	3.2	3	3.4	3.3	3.2	3	3.4	3.3	3.2	3.4	3.3	3.2	3	3.4	3.3	3.2	3.1	280
285	3.2	3.3	3.3	2.9	3.3	3.3	3.3	3	3.3	3.3	3.3	3	3.2	3.3	3.2	3	3.3	3.3	3.2	3	3.3	3.3	3.2	3.3	3.3	3.2	3	3.4	3.3	3.2	3.1	285
290	3.1	3.3	3.3	2.9	3.2	3.3	3.3	3	3.2	3.3	3.3	3	3.1	3.2	3.2	3	3.2	3.3	3.2	3	3.3	3.3	3.2	3.3	3.3	3.2	3	3.3	3.2	3.2	3.1	290
295	3.1	3.3	3.3	2.9	3.2	3.3	3.3	3	3.2	3.3	3.3	3	2.9	3.2	3.2	3	3.2	3.2	3.2	3	3.2	3.2	3.2	3.2	3.2	3.2	3	3.2	3.2	3.2	3.1	295
300	3	3.3	3.3		3.1	3.3	3.3	3	3.1	3.3	3.3	3	2.7	3	3.1	3	3.2	3.2	3.2	3	3.2	3.2	3.2	3.2	3.2	3.2	3	3.2	3.2	3.2	3.1	300
305	3	3.3	3.3		3.1	3.3	3.3	3	3.1	3.3	3.3	3	2.6	2.8	2.9	3	3.1	3.2	3.2	3	3.1	3.2	3.2	3	3.2	3.2	3	3	3.2	3.2	3.1	305
310	3	3.3	3.3		3	3.3	3.3	2.1	3.1	3.3	3.3	3	2.4	2.6	2.7																	

# Lifting capacities Forces de levage

TK 115

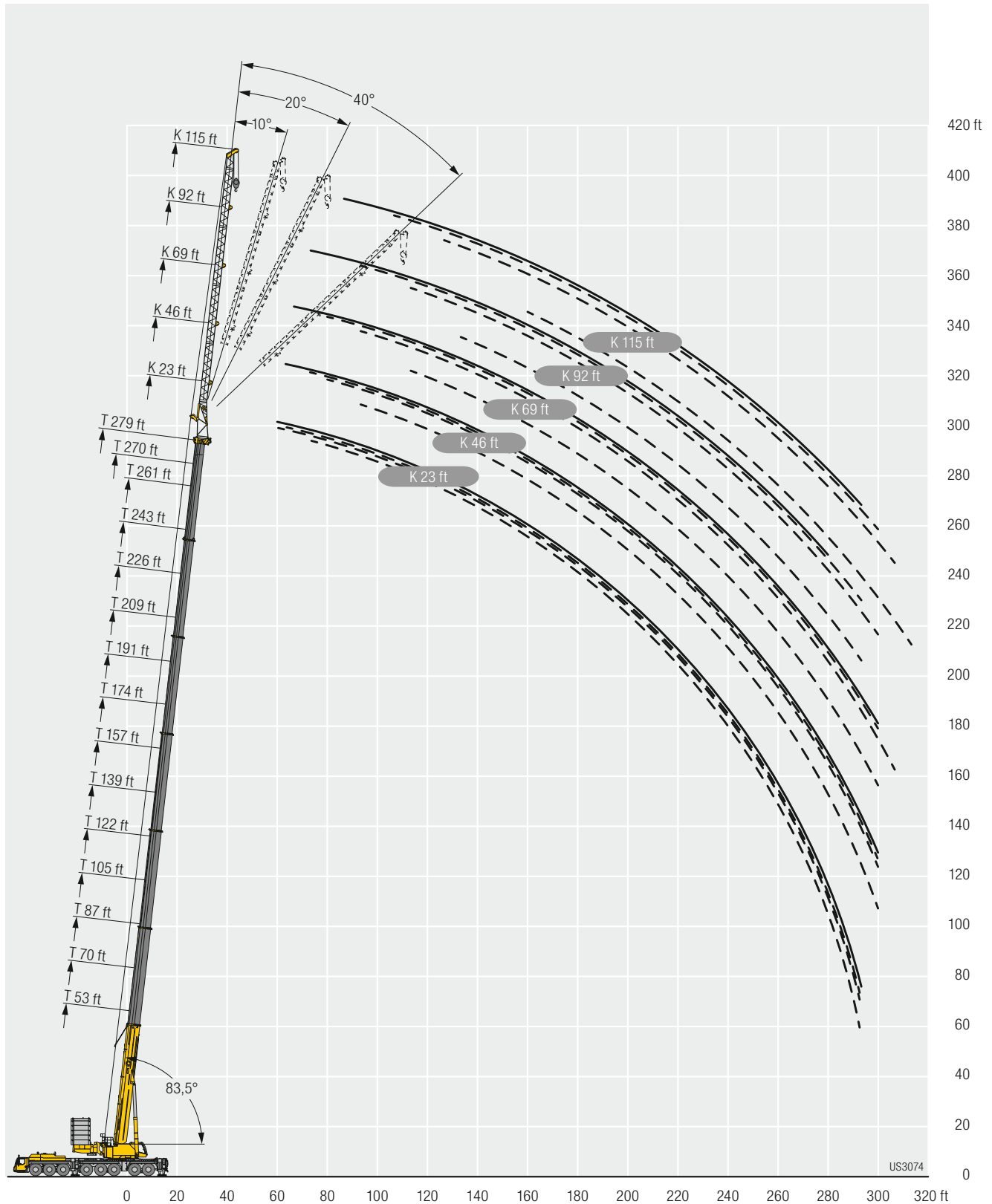


	261 ft				264 ft				270 ft				276 ft				279 ft						
	0°	10°	20°	40°	0°	10°	20°	40°	115 ft				0°	10°	20°	40°	0°	10°	20°	40°			
75	5.5				5.5																75		
80	5.7				5.6				5.3					5.1					5			80	
85	5.9				5.8				5.5					5.3					5.2			85	
90	6				5.9				5.6					5.4					5.3			90	
95	6.1				6				5.7					5.5					5.4			95	
100	6.1	5.4			6	5.3			5.8					5.6					5.5			100	
105	6.1	5.4			6	5.3			5.8	5.1				5.6	5				5.5	4.9		105	
110	6.1	5.3			6.1	5.3			5.8	5.1				5.6	5				5.5	4.9		110	
115	6.1	5.3			6	5.3			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	5.2	4.2		5.7	5	4.1			5.6	4.9	4			5.6	4.9	4	125	
130	5.8	5.1	4.2		5.8	5.1	4.2		5.6	5	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	4.1			5.5	4.8	4			5.4	4.8	4	135	
140	5.6	5	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	4.1	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	4.7	3.9			5.2	4.6	3.9	150	
155	5.3	4.7	4	3	5.3	4.7	4	2.9	5.2	4.6	3.9	2.9	2.9	5.1	4.6	3.8	2.9		5.1	4.5	3.8	2.9	155
160	5.3	4.6	3.9	3	5.2	4.6	3.9	2.9	5.1	4.5	3.9	2.9	2.9	5	4.5	3.8	2.9		5	4.5	3.8	2.9	160
165	5.2	4.6	3.9	3	5.1	4.5	3.9	2.9	5	4.5	3.8	2.9	2.9	5	4.4	3.8	2.9		4.9	4.4	3.8	2.9	165
170	5.1	4.5	3.8	3	5	4.5	3.8	3	4.9	4.4	3.8	2.9	2.9	4.9	4.3	3.7	2.9		4.9	4.3	3.7	2.9	170
175	5	4.4	3.8	3	5	4.4	3.8	3	4.9	4.3	3.7	2.9	2.9	4.8	4.3	3.7	2.9		4.8	4.3	3.7	2.9	175
180	4.9	4.3	3.8	3	4.9	4.3	3.8	3	4.8	4.2	3.7	2.9	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	3	4.8	4.2	3.7	3	4.7	4.2	3.7	2.9	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	3	4.7	4.1	3.7	3	4.6	4.1	3.6	2.9	2.9	4.6	4.1	3.6	2.9		4.5	4.1	3.6	2.9	190
195	4.6	4.1	3.7	3	4.6	4.1	3.7	3	4.5	4	3.6	3	3	4.5	4	3.6	2.9		4.4	4	3.6	2.9	195
200	4.5	4	3.6	3	4.5	4	3.6	3	4.5	4	3.6	3	3	4.4	3.9	3.5	3		4.4	3.9	3.5	2.9	200
205	4.5	4	3.6	3	4.5	3.9	3.6	3	4.4	3.9	3.5	3	3	4.3	3.9	3.5	3		4.3	3.9	3.5	3	205
210	4.4	3.9	3.5	3.1	4.4	3.9	3.5	3.1	4.3	3.8	3.5	3	3	4.3	3.8	3.5	3		4.2	3.8	3.5	3	210
215	4.3	3.8	3.5	3.1	4.3	3.8	3.5	3.1	4.3	3.8	3.4	3	3	4.2	3.8	3.4	3		4.1	3.8	3.4	3	215
220	4.2	3.8	3.4	3.1	4.2	3.8	3.4	3.1	4.2	3.7	3.4	3.1	3.1	4.1	3.7	3.4	3		4	3.7	3.4	3	220
225	4.2	3.7	3.4	3.1	4.2	3.7	3.4	3.1	4.1	3.7	3.4	3.1	3.1	4.1	3.7	3.3	3.1		4	3.6	3.3	3	225
230	4.1	3.7	3.4	3.1	4.1	3.7	3.4	3.1	4.1	3.6	3.4	3.1	3.1	4	3.6	3.3	3.1		3.9	3.6	3.3	3.1	230
235	4	3.6	3.4	3.1	4	3.6	3.4	3.1	4	3.6	3.3	3.1	3.1	3.9	3.6	3.3	3.1		3.8	3.5	3.3	3.1	235
240	3.9	3.6	3.3	3.1	3.9	3.6	3.3	3.1	3.9	3.6	3.3	3.1	3.1	3.9	3.5	3.3	3.1		3.7	3.5	3.3	3.1	240
245	3.9	3.5	3.3	3.1	3.9	3.5	3.3	3.1	3.9	3.5	3.3	3.1	3.1	3.8	3.5	3.3	3.1		3.6	3.4	3.2	3.1	245
250	3.8	3.5	3.3	3.1	3.8	3.5	3.3	3.1	3.8	3.5	3.3	3.1	3.1	3.8	3.5	3.2	3.1		3.5	3.4	3.2	3.1	250
255	3.7	3.4	3.3	3.1	3.6	3.4	3.2	3.1	3.7	3.4	3.2	3.1	3.1	3.7	3.4	3.2	3.1		3.5	3.4	3.2	3.1	255
260	3.5	3.4	3.2	3.1	3.5	3.4	3.2	3.1	3.6	3.4	3.2	3.1	3.1	3.6	3.4	3.2	3.1		3.4	3.3	3.2	3.1	260
265	3.4	3.3	3.2	3.1	3.3	3.3	3.2	3.1	3.5	3.3	3.2	3.1	3.1	3.5	3.3	3.2	3.1		3.3	3.3	3.2	3.1	265
270	3.3	3.2	3.1	3.1	3.1	3.2	3.2	3.1	3.3	3.3	3.2	3.1	3.1	3.3	3.3	3.1	3.1		3.1	3.2	3.2	3.1	270
275	3.2	3.1	3.1	3.1	2.9	3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1		2.8	3.2	3.1	3.1	275
280	3.1	3.1	3	3.1	2.8	2.8	2.9	3.1	2.9	3	3.1	3.1	3.1	2.8	3.1	3.1	3.1		2.5	3	3.1	3.1	280
285	3	3	3	3.1	2.6	2.7	2.8	3	2.7	2.8	2.9	3.1	3.1	2.6	2.9	3	3.1		2.1	2.8	3.1	3.1	285
290	2.9	2.9	2.9	3.1	2.3	2.5	2.6	2.9	2.6	2.7	2.8	3.1	3.1	2.3	2.6	2.8	3.1		1.7	2.5	2.9	3.1	290
295	2.8	2.8	2.8	3	2.1	2.3	2.4	2.7	2.3	2.5	2.6	2.9	2.9	1.9	2.3	2.6	3			2.1	2.6	3	295
300	2.6	2.7	2.8	3			2.2	2.5	2.1	2.3	2.5	2.7	2.7	1.6	2	2.3	2.7			1.6	2.2	2.6	300
305	2.4	2.6	2.7	2.9			2	2.3		2.1	2.3	2.5	2.5		1.7	2	2.4				1.7	2.2	305
310	2	2.5	2.6	2.8						1.9	2.1	2.4	2.4			1.6	2					1.6	310
315	1.5	2.1	2.4	2.5													1.6						315
320		1.7	2	1.9																			320

maxt\_268\_005\_04001\_00\_000-I-V

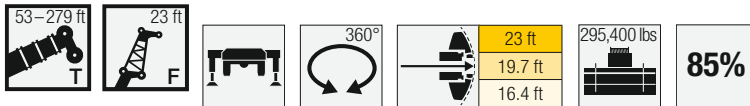
# Lifting heights Hauteurs de levage

TK



# Lifting capacities Forces de levage

TF 23

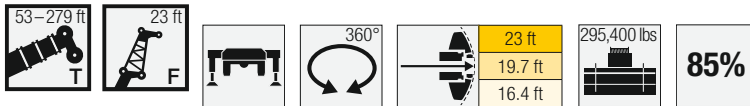


	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
11	109.4																11	
12	109.4																12	
13	109.4																13	
14	109.4																14	
15	109.4	109.4															15	
16	109.4	109.4															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

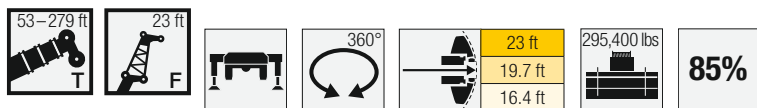


Lift Height (ft)	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				Lift Height (ft)
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
34	102.3																34
36	102.5																36
38	99.8				80.6												38
40	97.1	97.5			82.5												40
45	90.7	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



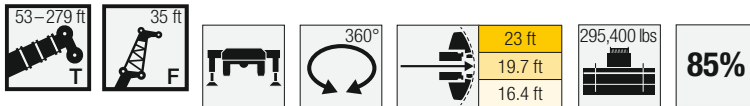
	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*							
	0°	10°	20°	40°	0°	10°	20°	40°	23 ft				0°	10°	20°	40°	0°	10°	20°	40°				
50	40.4																			50				
55	43.8				32.7					35.5										55				
60	42.5	42.1	37.3		31.7	31.6				34.7				28.9						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			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

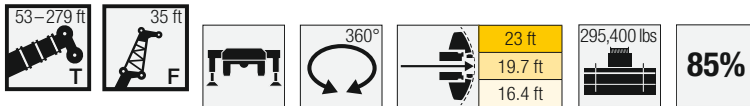


	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
14	109.4																14
15	109.4																15
16	109.4																16
17	109.4																17
18	109.4																18
19	109.4																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

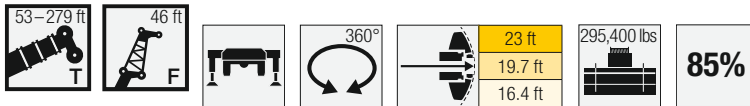
TF 35

	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																	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'adapteur

# Lifting capacities Forces de levage

TF 46



	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  
T

46 ft  
F

360°

23 ft  
19.7 ft  
16.4 ft

295,400 lbs

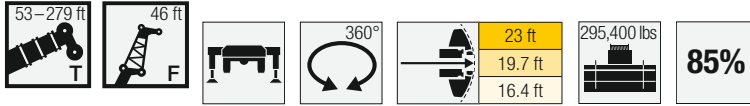
85%

	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'adaplateur

# Lifting capacities Forces de levage

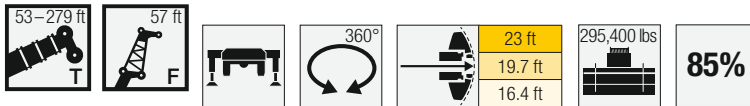
TF 57

	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
220																	220
225																	225
230																	230

\* 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**

	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°	57 ft				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					22.9				18.9				18.5		70		
75	28.3	27.8			20.2	19.8				22.3				18.4				18.1		75		
80	27.4	27			19.6	19.4				21.7	21.4			17.9				17.5		80		
85	26.5	26.2	25.4		19	18.8				21	20.9			17.4	17.3			17	17	85		
90	25.7	25.4	24.7		18.4	18.2	18.2			20.4	20.3	19.9		16.8	16.8			16.5	16.5	90		
95	24.8	24.6	24		17.8	17.7	17.6			19.9	19.7	19.5		16.3	16.3	16.3		16	16.1	16	95	
100	24	23.9	23.3	23.5	17.2	17.1	17.1			19.3	19.2	19		15.8	15.9	15.9		15.4	15.6	15.6	100	
105	23.1	23.2	22.7	22.9	16.6	16.6	16.6	16.1		18.8	18.6	18.5	17.8	15.3	15.4	15.5		14.8	15.1	15.2	105	
110	22.3	22.5	22.1	22.3	16	16	16.1	15.7		18.2	18.1	18.1	17.4	14.8	14.9	15.1	15	14.2	14.6	14.8	110	
115	21.4	21.8	21.4	21.7	15.4	15.5	15.6	15.2		17.7	17.6	17.6	16.9	14.3	14.4	14.6	14.6	13.6	14	14.4	14.5	115
120	20.4	21.1	20.8	21	14.8	14.9	15.1	14.7		17.1	17.1	17.1	16.4	13.8	13.9	14.1	14.2	13	13.5	13.9	14.1	120
125	19.4	20.4	20.1	20.4	14.3	14.4	14.5	14.3		16.5	16.5	16.6	15.9	13.3	13.5	13.7	13.8	12.4	12.9	13.4	13.7	125
130	18.4	19.3	19.4	19.8	13.7	13.9	14.1	13.9		15.8	16	16.1	15.5	12.8	13	13.2	13.4	11.8	12.4	12.9	13.3	130
135	17.4	18.3	18.6	19.2	13.2	13.4	13.6	13.5		15.2	15.4	15.6	15.1	12.3	12.5	12.7	13	11.2	11.8	12.4	12.9	135
140	16.3	17.3	17.8	18.6	12.6	12.8	13.1	13		14.5	14.8	15.1	14.7	11.8	12.1	12.3	12.6	10.6	11.2	11.8	12.5	140
145	15.4	16.3	17.1	17.9	12.1	12.3	12.6	12.6		13.9	14.3	14.6	14.3	11.4	11.6	11.8	12.2	10	10.6	11.3	12	145
150	14.8	15.3	16.3	17.2	11.5	11.8	12.1	12.1		13.2	13.7	14.1	13.9	10.9	11.1	11.4	11.8	9.3	10	10.7	11.5	150
155	14.3	14.3	15.5	16.5	11	11.3	11.6	11.7		12.5	13.1	13.6	13.5	10.4	10.7	10.9	11.4	8.7	9.4	10	11	155
160	13.8	13.7	14.6	15.6	10.4	10.8	11.1	11.3		11.9	12.5	13.1	13.1	9.8	10.2	10.5	11	8.1	8.8	9.4	10.4	160
165	13.3	13.2	13.8	14.8	9.9	10.2	10.6	10.8		11.2	11.8	12.6	12.6	9.3	9.7	10	10.6	7.5	8.2	8.8	9.9	165
170	12.8	12.7	12.9	13.9	9.4	9.7	10.1	10.4		10.5	11.2	12	12.1	8.8	9.3	9.6	10.2	6.9	7.5	8.1	9.3	170
175	12.3	12.3	12.2	13.1	8.9	9.2	9.6	10		9.8	10.6	11.3	11.6	8.3	8.8	9.1	9.7	6.3	6.9	7.5	8.6	175
180	11.7	11.8	11.7	12.2	8.3	8.7	9.1	9.5		9.1	9.8	10.5	11.1	7.7	8.3	8.6	9.3	5.8	6.3	6.9	8	180
185	11.2	11.4	11.3	11.4	7.8	8.2	8.6	9.1		8.4	9.1	9.8	10.6	7.1	7.7	8	8.8	5.3	5.8	6.4	7.4	185
190	10.7	10.9	10.8	11	7.3	7.7	8.1	8.6		7.7	8.4	9.1	10	6.5	7.1	7.4	8.4	4.7	5.3	5.8	6.7	190
195	10.2	10.4	10.3	10.6	6.8	7.2	7.6	8.1		7.1	7.7	8.3	9.3	5.9	6.5	6.8	7.9	4.2	4.8	5.3	6.1	195
200	9.7	10	9.9	10.2	6.3	6.7	7.1	7.6		6.4	7	7.6	8.6	5.3	5.9	6.3	7.3	3.7	4.2	4.7	5.5	200
205	9.3	9.5	9.5	9.8	5.8	6.2	6.5	7.1		5.7	6.3	6.9	7.8	4.8	5.3	5.7	6.8	3	3.7	4.2	4.9	205
210	8.8	9.1	9.1	9.4	5.3	5.7	6.1	6.6		5	5.7	6.2	7			5.1	6.1	2.3			4.3	210
215	8.4	8.6	8.7	9	4.9	5.2	5.6	6.1		4.4	5	5.6	6.3			4.6	5.4				3.8	215
220	7.9	8.2	8.2	8.6	4.4	4.8	5.1	5.6		3.8	4.4	4.9	5.6			4	4.7					220
225	7.5	7.7	7.8	8.2	4	4.4	4.7	5.1		3.3	3.8	4.3	4.9			3.4	4.1					225
230	7	7.3	7.4	7.7	3.6	3.9	4.2	4.6		2.6	3.2		4.2			2.8	3.4					230
235	6.6	6.8	7	7.3	3.2	3.5	3.7	4.1		1.8	2.5		3.6			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

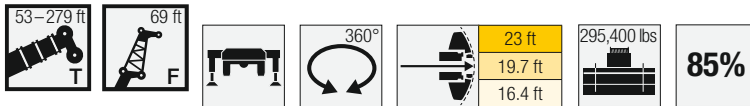
TF 69

	53 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

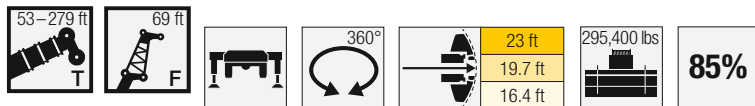


	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
45	60.9																45
50	58.6				53.2												50
55	56.4				51.4				43.1				25.9				55
60	54.2	47.6			49.4				41.7				34.2				60
65	52.1	46			47.5	43.1			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



	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				16.7								70	
75	24.8	20.7			18					19.8				16.3					16			75	
80	24	23.7			17.4	17.1				19.3				15.8					15.5			80	
85	23.3	23.1			16.9	16.7				18.7	18.4			15.4					15.1			85	
90	22.7	22.4	18.5		16.4	16.2				18.2	17.9			14.9	14.8				14.6	14.6		90	
95	22	21.7	21.7		15.9	15.7	15.4			17.7	17.5	16.9		14.4	14.4				14.2	14.2		95	
100	21.4	21.1	21.1		15.3	15.2	15			17.2	17	16.6		14	14	13.9			13.7	13.8		100	
105	20.8	20.5	20.4		14.8	14.7	14.6			16.7	16.6	16.2		13.5	13.6	13.6			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		13.1	13.2	13.3			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	12.6	12.8	12.9			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	12.2	12.4	12.5	12.1		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	11.8	11.9	12.1	11.8		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	11.3	11.5	11.7	11.4		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	10.9	11.1	11.3	11.1		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	10.4	10.7	10.9	10.9		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	10	10.2	10.5	10.6		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	9.5	9.8	10.1	10.4		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	9.1	9.4	9.7	10.1		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	8.6	9	9.3	9.8		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	8.2	8.6	8.9	9.4		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	7.7	8.2	8.5	9.1			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	7.3	7.7	8.1	8.7			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	6.8	7.3	7.7	8.3			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	6.3	6.9	7.3	7.9			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	5.8	6.4	6.8	7.5			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	5.2	5.8	6.2	7.1			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	4.7	5.3	5.7	6.7			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	4.1	4.7	5.2	6.3			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	3.5	4.2	4.6	5.8			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	2.8	3.6		5.3			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		2.9		4.6					2.8	220
225	6.5	6.8	7	7.5	3.2	3.6	4	4.6				4	4.8		2.2							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 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	26.7	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	26	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	25.2	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	24.5	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	23.8	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	23.1	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	22.5	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	21.9	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	21.4	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	20.9	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	20.4	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	20	27.9	25.4	22.9	20.3	28.8	26.2	23.3	20.5	135
140					25.7	23.6	21.6	19.6	27	24.5	22.2	20	27.7	25.4	22.7	20.1	140
145					24.6	22.8	21	19.3	26.1	23.8	21.6	19.6	26.7	24.6	22.1	19.8	145
150					23.6	22.1	20.4	19	25.2	23.1	21.1	19.3	25.8	23.8	21.5	19.5	150
155					22.7	21.3	19.8	18.7	24.3	22.4	20.6	18.9	25	22.9	20.9	19.2	155
160					22	20.7	19.4	18.5	23.5	21.8	20.1	18.7	24.3	22.3	20.5	18.9	160
165					21.3	20.1	18.9	18.3	22.6	21.1	19.6	18.5	23.6	21.8	20.1	18.6	165
170					20.6	19.6	18.5	18.2	21.8	20.5	19.1	18.3	22.9	21.3	19.6	18.4	170
175					19.9	19.1	18.1	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	18.1	20.7	19.5	18.5	18.1	21.5	20.2	18.8	18.1	180
185					18.7	18.2	17.6	18.1	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

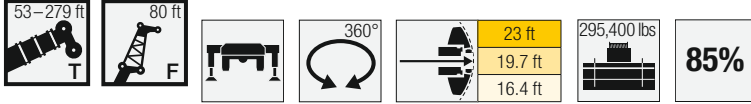
**TF 80**

	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	80 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

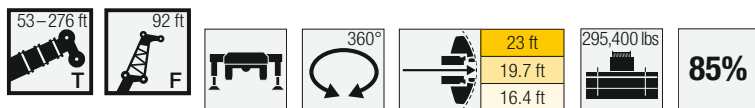


	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*			
	0°	10°	20°	40°	0°	10°	20°	40°	80 ft				0°	10°	20°	40°	0°	10°	20°	
65	23.8																		65	
70	23.1				16.7					18.3									70	
75	22.5				16.2					17.8				14.5				14.2	75	
80	21.9				15.7					17.4				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	95	
100	19.5	19.3	19.2		13.8	13.6				15.5	15.1			12.6	12.5			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	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	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	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	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	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	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	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	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	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	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	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	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	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	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		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		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		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		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		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		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		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		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		215	
220	6.3	6.6	6.9	7.3		3.7	4.1	4.8					5.8		2.8	3.4	4.7		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



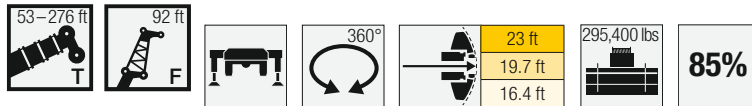
	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
22	84.4																22
24	81.1																24
26	77.7																26
28	74.2																28
30	70.8																30
32	67.8																32
34	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

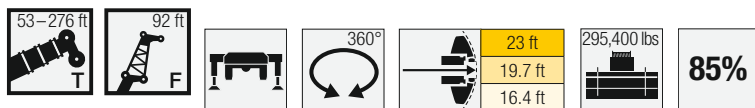


	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
50	45.9																50
55	44.2				39.9												55
60	42.5				38.7				34.3				24.1				60
65	40.9	35			37.5				33.5				26.6				65
70	39.4	33.9			36.3	31.5			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

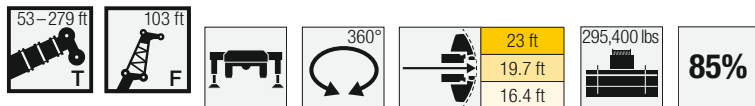


	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*		
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	
65	18														65
70	20.7														70
75	20.1				15.6										75
80	19.6				15.3				12.3				12.1		80
85	19				14.9				12				11.7		85
90	18.4	18.3			14.5				11.6				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

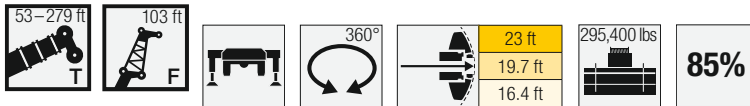


Crane Height	53 ft + 7.5 ft*				122 ft + 7.5 ft*				103 ft				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Crane Height
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
24	73.1																				24
26	70.6																				26
28	67.8																				28
30	65.1																				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

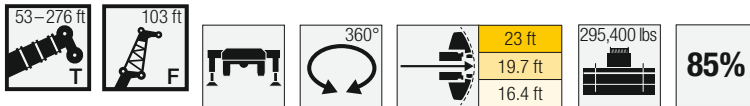


	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
50	40.5																50
55	39.1				35.3												55
60	37.6				34.3				30.1								60
65	36.2				33.2				29.6				24.3				65
70	34.8	29.9			32.1				28.8				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



	243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*		
	0°	10°	20°	40°	103 ft				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 115



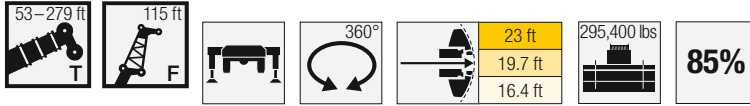
85%

Lift Height (ft)	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lift Height (ft)
	0°	10°	20°	40°	0°	10°	20°	40°	115 ft				0°	10°	20°	40°	0°	10°	20°	40°	
26	63.6																			26	
28	61.6																			28	
30	59.3																			30	
32	57.1																			32	
34	54.9																			34	
36	52.7																			36	
38	50.8				49.7															38	
40	49.2				48.7			45.9												40	
45	45.4				46			43.8				40.8								45	
50	41.5	37.6			43.3			41.7				39.2					35.9			50	
55	38.2	34.9			40.9			39.5				37.5					34.7			55	
60	35.7	32.5			38.9	32.5		37.6				35.8					33.4			60	
65	33.1	30.2	27.9		37	31		36	30.2			34.3					32.1			65	
70	30.6	27.9	26.1		35	29.6		34.4	28.9			33	27.9				30.9			70	
75	28.4	26	24.3		33.1	28.3		32.8	27.7			31.7	26.9				29.8	26.5		75	
80	26.6	24.4	22.8		31.7	27.1	24.4		31.2	26.6			30.5	26			28.8	25.7		80	
85	24.9	22.7	21.4		30.3	26	23.4		29.9	25.6	23.1		29.2	25.2			27.9	24.8		85	
90	23.1	21.1	20		29	24.8	22.3		28.8	24.7	22.2		27.9	24.4	21.8		26.9	24		90	
95	21.4	19.8	18.9		27.7	23.7	21.4		27.7	23.7	21.3		26.9	23.6	21.1		25.9	23.3	20.5	95	
100	19.8	18.7	17.8	14.5	26.3	22.7	20.4		26.6	22.7	20.5		26	22.8	20.3		25	22.6	19.8	100	
105	18.5	17.6	16.7	13.8	25.1	21.7	19.5		25.5	21.9	19.7		25.1	22.1	19.6		24.2	21.9	19.2	105	
110	17.4	16.5	15.8	13.2	24.1	20.7	18.7	14.1	24.4	21	18.9		24.3	21.3	18.9		23.5	21.2	18.5	110	
115	16.4	15.4	15	12.6	23.1	19.7	18	13.7	23.3	20.2	18.1	13.7	23.4	20.6	18.2		22.7	20.6	17.9	115	
120	15.4	14.5	14.2	12.1	22.1	18.9	17.2	13.3	22.5	19.4	17.5	13.4	22.5	19.9	17.5	13.4	22	19.9	17.3	120	
125	14.3	13.8	13.4	11.7	21.1	18.1	16.5	13	21.7	18.5	16.8	13	21.7	19.1	16.9	13	21.3	19.3	16.7	12.9	125
130	13.5	13	12.6	11.3	20.2	17.4	15.9	12.6	20.8	17.8	16.2	12.7	20.9	18.4	16.4	12.7	20.6	18.7	16.2	12.6	130
135	12.8	12.3	12.1	10.9	19.2	16.7	15.3	12.2	20	17.2	15.6	12.3	20.2	17.7	15.8	12.3	19.9	18.1	15.7	12.3	135
140	12.1	11.6	11.5	10.5	18.2	16	14.7	11.9	19.2	16.6	15.1	12	19.5	17	15.2	12	19.1	17.5	15.2	11.9	140
145	11.4	11.1	11	10.2	17.3	15.3	14.2	11.6	18.3	16	14.6	11.6	18.8	16.5	14.7	11.7	18.5	16.9	14.7	11.6	145
150	10.8	10.7	10.5	10	16.7	14.6	13.7	11.3	17.5	15.4	14.1	11.4	18.1	16	14.2	11.4	17.9	16.3	14.3	11.4	150
155	10.4	10.2	10.2	9.8	16	14.1	13.2	11	16.7	14.8	13.6	11.1	17.4	15.5	13.8	11.1	17.3	15.7	13.8	11.2	155
160	10	9.8	9.8	9.7	15.4	13.5	12.7	10.7	16.1	14.1	13.2	10.9	16.7	15	13.4	10.9	16.8	15.2	13.4	10.9	160
165	9.6	9.5	9.6		14.7	13.1	12.3	10.5	15.5	13.6	12.7	10.7	16	14.5	13	10.8	16.2	14.7	13	10.7	165
170	9.3	9.4			14.1	12.6	11.9	10.3	15	13.1	12.3	10.5	15.4	13.9	12.6	10.6	15.6	14.3	12.7	10.6	170
175					13.4	12.1	11.5	10.1	14.4	12.7	12	10.3	14.8	13.4	12.2	10.4	15.1	13.8	12.4	10.4	175
180					12.8	11.6	11.2	10	13.9	12.3	11.6	10.1	14.3	13	11.8	10.2	14.5	13.4	12	10.3	180
185					12.4	11.2	10.8	9.8	13.3	11.9	11.3	10	13.8	12.5	11.5	10.1	13.9	13	11.7	10.1	185
190					12	10.9	10.6	9.7	12.7	11.5	11	9.8	13.4	12.1	11.3	9.9	13.4	12.5	11.4	10	190
195					11.6	10.6	10.4	9.6	12.2	11.1	10.7	9.7	12.9	11.8	11	9.8	12.9	12.1	11	9.8	195
200					11.2	10.4	10.1	9.5	11.9	10.7	10.4	9.6	12.4	11.4	10.8	9.7	12.3	11.8	10.8	9.7	200
205					10.8	10.1	9.9	9.5	11.5	10.5	10.3	9.5	12	11	10.6	9.6	11.8	11.4	10.6	9.6	205
210					10.4	9.8	9.7	9.5	11.2	10.3	10.1	9.4	11.6	10.6	10.3	9.5	11.3	11	10.4	9.5	210
215					10.1	9.6	9.6	9.5	10.9	10.1	9.9	9.4	11.2	10.3	10.1	9.4	10.7	10.7	10.2	9.4	215
220					9.8	9.4	9.4	9.5	10.5	9.8	9.7	9.4	10.9	10.1	9.9	9.4	10.2	10.3	10.1	9.4	220
225					9.6	9.3	9.3		10.2	9.6	9.5	9.4	10.7	9.9	9.8	9.3	9.7	10	9.9	9.3	225
230					9.4	9.1	9.3		9.9	9.4	9.4	9.4	10.4	9.8	9.6	9.3	9.2	9.6	9.6	9.3	230
235					9.2	9.1	9.3		9.7	9.3	9.4	9.4	10.2	9.6	9.5	9.3	8.8	9.3	9.3	9.2	235
240									9.5	9.2	9.3		9.9	9.4	9.4	9.3	8.4	8.9	8.9	9	240
245									9.3	9.1	9.2		9.7	9.2	9.3	9.3	7.9	8.4	8.5	8.7	245
250									9.1	9	9.2		9.4	9.1	9.2	9.3	7.5	8	8.2	8.4	250
255									7.7	9			9.1	8.9	9.2		7.1	7.6	7.8	8.1	255
260													8.8	8.7	9.1		6.7	7.2	7.4	7.6	260
265													8.5	8.5	8.8		6.3	6.8	7	7.1	265
270													5.3	8.2			5.9	6.3	6.5		270
275																	5.4	5.8	6.1		275
280																	5	5.4	5.5		280
285																	3.6	5	4.9		285

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

**TF 115**



Height (ft)	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°	20°	0°					
60	30.3																							60					
65	29.3				26.6																			65					
70	28.4				25.9							21.2												70					
75	27.5				25.3							20.6				16.2								75					
80	26.6	24			24.6							20.1				15.8					11.7			80					
85	25.8	23.3			24							19.5				15.3					11.4		8.9	8.3	85				
90	25.1	22.7			23.3	20.9						18.9				14.9					11		8.6	8.1	90				
95	24.4	22			22.6	20.4						18.3	18			14.4					10.7		8.4	7.9	95				
100	23.6	21.4	19		21.8	19.9						17.8	17.5			14	13.8				10.4		8.1	7.7	100				
105	22.9	20.8	18.4		21.1	19.4						17.3	17			13.5	13.5				10.1	9.6	7.8	7.4	105				
110	22.1	20.3	17.9		20.4	18.9	16.9					16.8	16.4			13.1	13.1				9.7	9.3	7.5	7.4	7.2	110			
115	21.3	19.7	17.3		19.6	18.4	16.4					16.2	15.9	15.2		12.7	12.7				9.4	9.1	7.3	7.2	7	115			
120	20.5	19.2	16.8		18.9	18	15.9					15.7	15.5	14.8		12.3	12.3	11.6			9.1	8.8	7	7	6.8	120			
125	19.6	18.7	16.3		18.1	17.5	15.4					15.2	15	14.5		11.9	11.9	11.4			8.8	8.5	8	6.7	6.7	6.5	125		
130	19	18.1	15.8	12.3	17.2	17	15					14.7	14.5	14.1		11.5	11.5	11.1			8.5	8.2	7.8	6.4	6.5	6.1	130		
135	18.3	17.6	15.3	12	16.3	16.5	14.6	11.6				14	14.1	13.7		11.1	11.1	10.9			8.2	7.9	7.6	6.1	6.3	6.1	5.7	135	
140	17.6	17.1	14.8	11.7	15.4	16	14.2	11.4				13.3	13.6	13.3		10.6	10.7	10.6			7.9	7.7	7.4	5.8	6	5.9	5.9	140	
145	17	16.6	14.4	11.5	14.5	15.4	13.8	11.1				12.6	13.2	12.9	10.8	10.2	10.4	10.3			7.6	7.5	7.2	5.5	5.8	5.7	5.7	145	
150	16.4	16	14	11.2	13.7	14.7	13.4	11				11.9	12.7	12.6	10.6	9.7	10	10	8.7		7.3	7.2	7	5.3	5.5	5.5	5.5	150	
155	15.7	15.5	13.6	11	13.2	13.9	13.1	10.8				11.1	12.1	12.2	10.5	9.2	9.6	9.7	8.6		7	7	6.8	6	5	5.2	5.3	5.3	155
160	15.1	15	13.3	10.8	12.7	13.2	12.7	10.6				10.4	11.5	11.8	10.3	8.6	9.2	9.4	8.5		6.6	6.7	6.5	5.9	4.7	5	5.1	5.1	160
165	14.4	14.4	12.9	10.6	12.1	12.4	12.4	10.4				9.6	10.8	11.3	10.2	8.1	8.8	9.1	8.3		6.3	6.5	6.3	5.8	4.3	4.7	4.9	4.9	165
170	13.8	13.7	12.4	10.5	11.6	11.7	12.1	10.3				9.1	10.2	10.8	10.1	7.6	8.3	8.8	8.2		5.9	6.2	6.1	5.7	4	4.4	4.6	4.6	170
175	13.2	13.2	12	10.3	11.1	11.1	11.7	10.2				8.6	9.5	10.3	9.9	7.1	7.9	8.4	8.1		5.5	5.9	5.9	5.5	3.6	4.1	4.4	4.4	175
180	12.6	12.7	11.7	10.2	10.6	10.6	11.3	10				8.3	8.9	9.8	9.8	6.5	7.4	8	8		5.1	5.6	5.7	5.4	3.2	3.9	4.2	4.2	180
185	11.9	12.3	11.5	10	10.1	10.2	10.8	9.9				7.9	8.3	9.3	9.6	6	7	7.7	7.8		5	5.3	5.5	5.3	2.7	3.5	3.9	3.9	185
190	11.3	11.8	11.2	9.9	9.6	9.7	10.1	9.6				7.5	7.7	8.8	9.5	5.5	6.5	7.3	7.6		5	5.2	5.2	2.3	3.1	3.7	3.7	3.7	190
195	10.7	11.3	11	9.8	9.1	9.3	9.4	9.4				7.1	7.3	8.2	9.3	5.1	6.1	7	7.4		4.7	5	5	2	2.7	3.4	3.4	3.4	195
200	10	10.8	10.7	9.7	8.5	8.8	9	9.2				6.7	7	7.6	8.9	4.8	5.6	6.6	7.3				4.8	4.9	2.3	3	3	3	200
205	9.5	10.3	10.4	9.5	8	8.4	8.6	8.9				6.3	6.6	6.9	8.4	4.5	5	6.2	7.1				4.7		2.6	2.6	2.6	2.6	205
210	9	9.8	10.1	9.4	7.5	7.9	8.2	8.6				6	6.3	6.6	7.8	4.3	4.5	5.6	6.7				4.6						210
215	8.5	9.3	9.7	9.4	7	7.5	7.8	8.3				5.6	5.9	6.3	7.2	4	4.2	5.1	6.2				4.4						215
220	8	8.9	9.2	9.3	6.6	7	7.5	8				5.2	5.6	6	6.6	3.7	4	4.5	5.8				4.2						220
225	7.5	8.4	8.7	9.1	6.2	6.6	7.1	7.6				4.8	5.2	5.6	6.2	3.4	3.7	3.9	5.3				3.9						225
230	7.1	7.9	8.3	8.9	5.7	6.2	6.6	7.3				4.4	4.9	5.3	5.9	3.1	3.4	3.6	4.8				3.6						230
235	6.6	7.4	7.8	8.4	5.3	5.8	6.2	6.9				4.1	4.5	5	5.5		3.2	3.4	4.3										235
240	6.1	6.9	7.3	8	4.9	5.3	5.8	6.5				3.7	4.2	4.7	5.2			3.1	3.7										240
245	5.6	6.4	6.9	7.5	4.5	4.9	5.4	6.1				3.4	3.8	4.3	4.9			2.9	3.4										245
250	5.2	6	6.4	7	4.1	4.5	4.9	5.6				3	3.5	3.9	4.6				2.5	3.2									250
255	4.8	5.6	6	6.5	3.7	4.1	4.5	5.1				2.6	3.1	3.5	4.2				2.1	2.9									255
260	4.5	5.2	5.5	6	3.3	3.7	4.1	4.7				2.1	2.7	3.2	3.8				1.7	2.6									260
265	4.1	4.7	5.1	5.4	2.9	3.3	3.7	4.2				1.6	2.3		3.4					2.2									265
270	3.7	4.3	4.6	4.9	2.5	3	3.3	3.8					1.8		3					1.7									270
275	3.3	3.9	4.2	4.4	2.1	2.6	2.9	3.3							2.5														275
280	3	3.6	3.8	3.9	1.7	2.1	2.5	2.8							2														280
285	2.6	3.2	3.4			1.6	2	2.3																					285
290	2.3	2.8	3					1.6																					290
295	2	2.4	2.6																										295
300		2	2																										300

\* Adapter · adapter · piece d'adaptateur · adattatore · adaptador · адаптер

# Lifting capacities Forces de levage

**TF 126**

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*					
	126 ft																					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
28	55.6																				28	
30	54																				30	
32	52.2																				32	
34	50.3																				34	
36	48.5																				36	
38	46.7																				38	
40	44.9				43.7																40	
45	41.7				41.4				39.3												45	
50	38.5				39.1				37.4					35							50	
55	35.3	32.3			36.8				35.6					33.6				30.9			55	
60	32.8	30.1			35				33.8					32.1				29.8			60	
65	30.7	28			33.3	27.9			32.3					30.7				28.7			65	
70	28.5	26.1			31.7	26.7			30.9	27				29.4				27.6			70	
75	26.4	24.1	22.7		30	25.6			29.5	25.9				28.3	25			26.5			75	
80	24.6	22.5	21.1		28.4	24.5			28.2	24.8				27.2	24.1			25.6	22.8		80	
85	23	21.1	19.8		27.2	23.6	21.1		26.8	23.9				26.2	23.2			24.8	22.1		85	
90	21.5	19.7	18.5		26.1	22.6	20.1		25.7	23	19.9			25.1	22.3			23.9	21.4		90	
95	20.1	18.3	17.3		25	21.7	19.1		24.7	22.1	19.1			24	21.6	18.7		23.1	20.6		95	
100	18.6	17.1	16.3		23.8	20.7	18.3		23.8	21.3	18.2			23.1	20.8	18		22.2	20	17.5	100	
105	17.1	16.1	15.3	12.2	22.7	19.9	17.5		22.9	20.4	17.5			22.4	20.1	17.3		21.4	19.4	16.9	105	
110	15.9	15.2	14.4	11.6	21.7	19	16.7		21.9	19.6	16.8			21.6	19.4	16.7		20.7	18.8	16.3	110	
115	15	14.2	13.5	11.1	20.7	18.1	16		21	18.9	16.1			20.8	18.7	16.1		20.1	18.2	15.7	115	
120	14.1	13.3	12.8	10.7	19.8	17.3	15.3	11.3	20	18.1	15.4	11.3		20	18	15.5		19.5	17.6	15.2	120	
125	13.2	12.4	12.2	10.3	19	16.5	14.7	11	19.3	17.3	14.8	11.1		19.3	17.4	14.9	11	18.9	17.1	14.7	125	
130	12.3	11.8	11.5	10	18.2	15.7	14	10.8	18.6	16.6	14.3	10.8		18.5	16.7	14.3	10.8	18.2	16.5	14.2	130	
135	11.5	11.2	10.9	9.7	17.3	15.1	13.4	10.5	17.9	15.9	13.7	10.5		17.9	16.1	13.8	10.6	17.6	16	13.7	10.5	135
140	10.9	10.7	10.3	9.4	16.5	14.5	12.9	10.2	17.1	15.3	13.2	10.3		17.2	15.5	13.3	10.4	17	15.4	13.2	10.3	140
145	10.4	10.1	9.9	9.1	15.6	13.9	12.5	10	16.4	14.7	12.7	10.1		16.6	14.8	12.8	10.1	16.4	14.9	12.8	10.1	145
150	9.9	9.6	9.5	8.8	14.7	13.3	12	9.8	15.7	14.2	12.3	9.9		16	14.3	12.4	9.9	15.7	14.3	12.4	9.8	150
155	9.4	9.2	9.1	8.5	14.2	12.7	11.6	9.6	14.9	13.6	11.9	9.7		15.4	13.9	11.9	9.7	15.2	13.8	12	9.6	155
160	8.9	8.9	8.7	8.3	13.6	12.1	11.1	9.3	14.2	13.1	11.5	9.4		14.8	13.4	11.6	9.5	14.7	13.3	11.6	9.4	160
165	8.6	8.5	8.5	8.1	13.1	11.6	10.7	9.1	13.6	12.5	11.1	9.2		14.2	12.9	11.3	9.3	14.2	12.8	11.2	9.3	165
170	8.3	8.2	8.1	8	12.5	11.2	10.4	8.9	13.1	12	10.8	9.1		13.6	12.5	11	9.1	13.7	12.4	10.9	9.1	170
175	7.9	7.9	7.9		12	10.9	10.1	8.7	12.7	11.5	10.4	8.9		13	12	10.7	8.9	13.2	12	10.7	8.9	175
180	7.7	7.7			11.4	10.6	9.8	8.6	12.2	11.2	10.1	8.7		12.4	11.6	10.4	8.8	12.6	11.7	10.4	8.8	180
185					10.9	10.2	9.5	8.4	11.8	10.9	9.8	8.5		12	11.1	10.1	8.6	12.1	11.4	10.2	8.6	185
190					10.4	9.9	9.3	8.2	11.3	10.5	9.6	8.4		11.7	10.7	9.8	8.4	11.6	11	9.9	8.5	190
195					10.1	9.5	9	8.1	10.8	10.2	9.4	8.2		11.3	10.4	9.5	8.3	11.2	10.7	9.7	8.3	195
200					9.8	9.2	8.8	8	10.4	9.9	9.1	8.1		11	10.2	9.3	8.2	10.8	10.3	9.4	8.2	200
205					9.5	9	8.6	7.9	10	9.6	8.9	8		10.6	9.9	9.1	8.1	10.4	10	9.1	8.1	205
210					9.2	8.8	8.4	7.8	9.7	9.3	8.6	7.9		10.2	9.7	8.9	8	10	9.7	9	8	210
215					8.9	8.6	8.2	7.8	9.5	9.1	8.5	7.8		9.9	9.4	8.7	7.9	9.6	9.5	8.8	7.9	215
220					8.6	8.3	8	7.8	9.2	8.9	8.3	7.8		9.5	9.2	8.5	7.8	9.2	9.2	8.6	7.8	220
225					8.3	8.1	7.8	7.8	8.9	8.7	8.1	7.7		9.3	8.9	8.3	7.7	8.9	9	8.5	7.7	225
230					8.1	7.8	7.8	7.8	8.7	8.4	8	7.7		9.1	8.7	8.2	7.7	8.5	8.8	8.3	7.7	230
235					7.9	7.6	7.7		8.4	8.2	7.8	7.7		8.8	8.6	8.1	7.6	8.1	8.6	8.2	7.6	235
240					7.7	7.5	7.6		8.2	8	7.7	7.7		8.6	8.4	7.9	7.6	7.7	8.3	8	7.6	240
245					7.6	7.4	7.6		8	7.9	7.7	7.7		8.4	8.2	7.8	7.6	7.3	8	7.7	7.5	245
250					7.5				7.8	7.8	7.6			8.2	8.1	7.7	7.6	6.9	7.6	7.4	7.5	250
255									7.7	7.7	7.5			8	7.9	7.6	7.6	6.5	7.2	7.1	7.3	255
260									7.5	7.5	7.5			7.8	7.7	7.5	7.6	6.1	6.8	6.8	7.2	260
265									7.2	7.5				7.6	7.7	7.5		5.7	6.3	6.5	7	265
270														7.4	7.6	7.5		5.4	5.9	6.2	6.5	270
275														7.2	7.5	7.5		5	5.5	5.8	6	275
280														5.2	7.4	2		4.6	5.1	5.3		280
285																		4.2	4.7	4.9		285
290																		3.8	4.3	4.5		290
295																		3.1	3.8	3.9		295

\* adapter - piece d'adaptateur



# Lifting capacities Forces de levage

TF 126

	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*	
	126 ft				126 ft				126 ft				126 ft				126 ft		126 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	27.4																						60	
65	26.7				23.5																		65	
70	25.9				23				19.2														70	
75	25.1				22.4				18.7				14.4										75	
80	24.4				21.8				18.1				14.1				10						80	
85	23.7	20.6			21.3				17.6				13.7				9.8				6.9		85	
90	23	20.1			20.7				17.1				13.3				9.5				6.8	6	90	
95	22.3	19.5			20.1	17.9			16.6				12.9				9.2				6.7	6	95	
100	21.7	18.9			19.6	17.4			16.1	15.7			12.4				9				6.6	5.9	100	
105	21	18.3	16.2		19	17			15.6	15.4			12	11.9			8.7				6.4	5.9	105	
110	20.4	17.8	15.7		18.5	16.5			15.1	14.9			11.7	11.6			8.4	7.9			6.2	5.8	110	
115	19.7	17.3	15.2		17.9	16.1	14.3		14.7	14.4			11.3	11.3			8.1	7.6			6	5.7	115	
120	19	16.9	14.7		17.4	15.7	13.8		14.2	14	10.6		10.9	10.9			7.8	7.4			5.9	5.7	120	
125	18.3	16.4	14.2		16.8	15.3	13.4		13.7	13.5	12.5		10.6	10.6	7		7.6	7.2			5.6	5.5	125	
130	17.6	15.9	13.8		16.2	14.8	13		13.3	13.1	12.1		10.2	10.2	9.7		7.3	6.9			5.4	5.3	130	
135	17	15.4	13.3		15.4	14.4	12.6		12.8	12.7	11.8		9.8	9.9	9.5		7	6.7	6.2		5.1	5.1	135	
140	16.5	15	12.9	10.1	14.6	14	12.2		12.2	12.3	11.5		9.4	9.5	9.2		6.8	6.5	6		4.8	4.9	140	
145	15.9	14.5	12.4	9.9	13.8	13.6	11.9	9.6	11.6	11.9	11.2		9.1	9.2	9		6.5	6.2	5.8		4.5	4.7	145	
150	15.4	14	12.1	9.7	13	13.1	11.5	9.4	11	11.5	10.9		8.6	8.9	8.8		6.2	6	5.7		4.2	4.5	150	
155	14.9	13.6	11.8	9.5	12.1	12.5	11.2	9.3	10.3	11	10.7	9	8.2	8.5	8.5		6	5.8	5.5		3.8	4.2	155	
160	14.3	13.1	11.5	9.3	11.4	12	10.9	9.1	9.6	10.5	10.5	8.8	7.7	8.2	8.2	7.1	5.7	5.6	5.3		3.5	3.9	160	
165	13.8	12.7	11.1	9.1	11	11.4	10.7	8.9	9	10	10.2	8.7	7.3	7.8	8	7	5.4	5.4	5.1	4.5	3.2	3.6	165	
170	13.2	12.2	10.8	9	10.5	10.8	10.5	8.8	8.3	9.4	9.9	8.6	6.8	7.5	7.7	6.9	5	5.1	4.9	4.4	2.8	3.3	170	
175	12.6	11.6	10.5	8.8	10.1	10.3	10.2	8.7	7.7	8.9	9.6	8.4	6.3	7.1	7.4	6.8	4.7	4.9	4.8	4.3	2.4	3	175	
180	12.1	11.1	10.2	8.7	9.6	9.7	10	8.5	7.3	8.3	9.1	8.3	5.1	6.7	7.1	6.7	4.3	4.7	4.6	4.2	2.1	2.7	180	
185	11.5	10.8	9.9	8.6	9.1	9.3	9.8	8.4	6.9	7.7	8.6	8.2	4.8	6.3	6.8	6.6	4	4.4	4.4	4.1	1.8	2.4	185	
190	10.9	10.4	9.7	8.4	8.7	8.9	9.4	8.3	6.6	7.2	8.2	8.1	4.5	5.9	6.5	6.4		4.1	4.2	4		2.1	190	
195	10.3	10	9.5	8.3	8.2	8.5	9	8.1	6.2	6.6	7.7	8	4.2	5.5	6.2	6.3		3.8	4	3.9		1.8	195	
200	9.8	9.7	9.3	8.2	7.8	8.1	8.4	8	5.9	6.1	7.2	7.9	4	4.1	5.8	6.1		3.5	3.8	3.8			200	
205	9.2	9.3	9.1	8.1	7.3	7.7	7.9	7.8	5.5	5.8	6.7	7.8	3.7	3.9	5.5	6			3.6	3.7			205	
210	8.7	8.9	8.9	8	6.9	7.3	7.6	7.6	5.2	5.5	6.1	7.5	3.5	3.7	5.2	5.8					3.5		210	
215	8.2	8.6	8.7	7.8	6.4	6.9	7.2	7.4	4.9	5.2	5.5	7	3.1	3.4	4.8	5.7					3.4		215	
220	7.8	8.2	8.5	7.7	5.9	6.4	6.8	7.2	4.5	4.8	5.2	6.5	2.8	3.2	4.3	5.3					3.3		220	
225	7.3	7.8	8.1	7.7	5.5	6	6.5	7	4.2	4.5	4.9	5.9	2.4	2.8	3.8	4.9					3.1		225	
230	6.9	7.3	7.7	7.6	5.1	5.6	6.1	6.7	3.8	4.2	4.6	5.4	2.1	2.5	3.3	4.5					2.8		230	
235	6.4	6.9	7.3	7.5	4.8	5.2	5.7	6.4	3.5	3.9	4.4	4.9	1.7	2.2	2.6	4.1					2.5		235	
240	6	6.4	6.8	7.3	4.4	4.8	5.3	6	3.1	3.6	4.1	4.6		1.9	2.1	2.8					2.2		240	
245	5.5	6	6.4	7	4	4.5	4.9	5.6	2.7	3.3	3.8	4.3		1.6		2.6							245	
250	5.1	5.6	6	6.6	3.6	4.1	4.5	5.3	2.3	2.9	3.5	4				2.3							250	
255	4.6	5.1	5.6	6.2	3.2	3.7	4.1	4.9	1.9	2.6	3.1	3.7				2							255	
260	4.3	4.7	5.1	5.8	2.9	3.3	3.8	4.4		2.1	2.8	3.4				1.7							260	
265	3.9	4.3	4.7	5.3		2.9	3.4	4		1.7	2.3	3.1											265	
270	3.6	4	4.3	4.8			3	3.6			1.8	2.7											270	
275	3.2	3.6	3.9	4.3			2.6	3.2				2.2											275	
280	2.9	3.2	3.5	3.8			2.1	2.7				1.6											280	
285	2.5	2.9	3.1	3.3			1.6	2.2															285	
290	2.1	2.5	2.7	2.8				1.6															290	
295	1.7	2.1	2.3																				295	
300		1.6	1.8																				300	

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TF 138

Crane Height	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Crane Height		
	0°	10°	20°	40°	0°	10°	20°	40°	138 ft				0°	10°	20°	40°	0°	10°	20°	40°			
30	50																			30			
32	48.5																			32			
34	46.9																			34			
36	45.3																			36			
38	43.7																			38			
40	42.2																			40			
45	38.9				37.1				35.1											45			
50	36.2				35.2				33.5					31.2						50			
55	33.4	29.5			33.2				31.9					29.9					27.7	55			
60	30.8	27.7			31.5				30.3					28.7					26.8	60			
65	28.8	25.9			30				28.8					27.4					26	65			
70	26.9	24.2			28.6	25			27.6	24				26.2					25.2	70			
75	25.1	22.5			27.1	23.9			26.5	23.2				25.2	22.1				24.4	75			
80	23.3	20.9	19.6		25.7	22.8			25.3	22.3				24.3	21.4				23.6	80			
85	21.7	19.4	18.2		24.3	21.8			24.1	21.3				23.3	20.6				22.9	19.5	85		
90	20.3	18.2	17		23.3	20.9	18		22.9	20.5				22.4	19.8				22.1	18.9	90		
95	19	16.9	15.9		22.4	20	17.2		22	19.7	17			21.4	19.1				21.3	18.2	95		
100	17.7	15.7	14.9		21.4	19.1	16.3		21.2	19	16.2			20.5	18.4	15.9			20.5	17.6	100		
105	16.4	14.7	13.9		20.4	18.3	15.6		20.3	18.2	15.5			19.8	17.8	15.3			19.8	17.1	14.7	105	
110	15.2	13.8	13.1		19.4	17.5	14.9		19.5	17.5	14.8			19.1	17.2	14.7			19	16.5	14.3	110	
115	14	13	12.3	10	18.5	16.7	14.2		18.7	16.8	14.2			18.4	16.6	14.1			18.5	16	13.7	115	
120	13.1	12.2	11.5	9.5	17.6	15.9	13.5		17.8	16.1	13.6			17.7	15.9	13.5			17.9	15.5	13.2	120	
125	12.4	11.5	10.9	9.2	16.9	15.1	12.9		17	15.4	13			17	15.3	13			17.3	15	12.7	125	
130	11.7	10.7	10.4	8.8	16.1	14.3	12.4	9.3	16.4	14.7	12.5	9.3		16.4	14.8	12.4			16.8	14.5	12.3	130	
135	11	10	9.9	8.5	15.4	13.7	11.8	9.1	15.7	14	12	9.1		15.7	14.2	11.9	9.1		16.2	14	11.8	135	
140	10.3	9.6	9.4	8.2	14.7	13.2	11.3	8.8	15.1	13.4	11.5	8.9		15.1	13.6	11.5	8.9		15.7	13.5	11.4	8.8	140
145	9.6	9.1	8.9	7.9	13.9	12.7	10.9	8.6	14.5	12.9	11.1	8.7		14.6	13	11.2	8.7		15.1	13	11	8.7	145
150	9.1	8.7	8.5	7.6	13.1	12.1	10.5	8.4	13.8	12.4	10.7	8.5		14	12.5	10.8	8.5		14.5	12.5	10.7	8.5	150
155	8.7	8.2	8.2	7.4	12.4	11.6	10.1	8.2	13.2	12	10.3	8.3		13.5	12	10.4	8.3		13.9	12	10.4	8.3	155
160	8.3	7.8	7.8	7.1	11.8	11.1	9.8	8	12.5	11.6	10	8.1		13	11.6	10.1	8.1		13.5	11.5	10.1	8.1	160
165	7.9	7.5	7.4	6.9	11.4	10.6	9.5	7.8	11.9	11.1	9.7	7.9		12.5	11.3	9.8	7.9		13.1	11.1	9.8	7.9	165
170	7.4	7.2	7.1	6.7	11	10.1	9.1	7.6	11.4	10.7	9.4	7.7		12	10.9	9.5	7.7		12.6	10.7	9.5	7.7	170
175	7.1	6.9	6.8	6.5	10.5	9.7	8.8	7.4	10.9	10.2	9.1	7.5		11.5	10.5	9.2	7.6		12.2	10.4	9.2	7.5	175
180	6.8	6.6	6.6	6.3	10.1	9.4	8.5	7.2	10.6	9.8	8.8	7.4		10.9	10.2	9	7.4		11.7	10.1	9	7.4	180
185	6.5	6.4	6.3		9.7	9.1	8.3	7.1	10.2	9.4	8.5	7.2		10.4	9.8	8.7	7.3		11.3	9.8	8.8	7.2	185
190	6.3	6.2	6.3		9.3	8.8	8	6.9	9.9	9.2	8.3	7		10.1	9.5	8.5	7.1		10.9	9.5	8.6	7.1	190
195					8.9	8.5	7.8	6.8	9.5	8.9	8.1	6.9		9.8	9.1	8.2	6.9		10.4	9.3	8.3	7	195
200					8.5	8.2	7.5	6.6	9.2	8.6	7.8	6.7		9.5	8.8	8	6.8		10	9	8.1	6.8	200
205					8.3	7.9	7.3	6.5	8.8	8.4	7.6	6.6		9.2	8.6	7.8	6.7		9.6	8.7	7.9	6.7	205
210					8	7.7	7.1	6.4	8.5	8.1	7.4	6.5		8.9	8.4	7.6	6.6		9.3	8.4	7.7	6.6	210
215					7.7	7.5	6.9	6.3	8.2	7.8	7.2	6.4		8.6	8.1	7.4	6.5		8.9	8.2	7.4	6.5	215
220					7.5	7.2	6.8	6.2	7.9	7.6	7	6.3		8.3	7.9	7.2	6.4		8.5	8	7.3	6.4	220
225					7.2	7	6.6	6.2	7.7	7.4	6.8	6.2		8	7.7	7.1	6.3		8.2	7.8	7.1	6.3	225
230					6.9	6.8	6.4	6.2	7.5	7.2	6.7	6.2		7.7	7.5	6.9	6.2		7.8	7.5	7	6.2	230
235					6.7	6.6	6.3	6.2	7.2	7	6.6	6.1		7.5	7.2	6.7	6.2		7.5	7.3	6.8	6.1	235
240					6.5	6.4	6.2	6.2	7	6.8	6.4	6.1		7.3	7.1	6.6	6.1		7.1	7.1	6.7	6.1	240
245					6.3	6.3	6.1		6.8	6.6	6.3	6.1		7.1	6.9	6.5	6		6.7	6.9	6.5	6	245
250					6.2	6.2	6		6.5	6.4	6.2	6.1		6.9	6.8	6.3	6		6.4	6.7	6.4	6	250
255					6	6	6		6.4	6.3	6.1	6.1		6.8	6.6	6.2	6		6	6.4	6.1	6	255
260					6	6			6.3	6.2	6			6.6	6.5	6.1	6		5.6	6	5.8	5.9	260
265									6.1	6.1	6			6.4	6.3	6	6		5.3	5.6	5.5	5.8	265
270									6	6	6			6.2	6.2	6	6		4.9	5.2	5.3	5.7	270
275									5.9	6				6	6.1	6			4.5	4.8	5	5.5	275
280														5.9	6	5.9			4.1	4.4	4.7	5.1	280
285														5.7	6	5.9			3.8	4	4.3	4.5	285
290														4.6	5.9	5.9			3.4	3.7	3.9		290
295															2.5				3	3.3	3.5		295
300																			2.7	2.9	3.1		300
305																				2.5	2.6		305

\* adapter - piece d'adaptateur

# Lifting capacities

## Forces de levage

TF 138

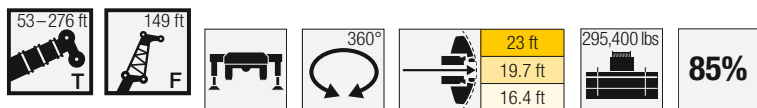
53-279 ft  
138 ft  
360°  
23 ft  
19.7 ft  
16.4 ft  
295,400 lbs  
85%

	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 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	149 ft				0°	10°	20°	40°	0°	10°	20°	40°	
32	43.7																			32	
34	42.4																			34	
36	41.1																			36	
38	39.9																			38	
40	38.6																			40	
45	35.5				33.3															45	
50	33.1				31.6				29.9				27.9							50	
55	30.8				29.9				28.6				27							55	
60	28.6	26.5			28.3				27.2				26.1				24.4			60	
65	26.4	24.9			26.9				25.9				25.2				23.6			65	
70	24.8	23.2			25.7				24.7				24.3				22.7			70	
75	23.3	21.7			24.5	21.5			23.7	20.8			23.4				21.9			75	
80	21.7	20.3			23.2	20.6			22.7	20			22.6	19.1			21			80	
85	20.1	18.9	17		22	19.6			21.7	19.2			21.7	18.4			20.3			85	
90	18.8	17.5	15.8		21	18.8			20.7	18.3			20.9	17.7			19.7	16.8		90	
95	17.5	16.5	14.7		20.1	18			19.7	17.6			20	17			19	16.2		95	
100	16.4	15.4	13.8		19.2	17.3	14.8		18.9	17	14.5		19.2	16.4			18.3	15.7		100	
105	15.3	14.3	12.9		18.4	16.5	14		18.2	16.3	13.9		18.4	15.8	13.6		17.6	15.1		105	
110	14.2	13.3	12		17.6	15.8	13.3		17.5	15.7	13.3		17.8	15.3	13.1		17	14.6		110	
115	13.1	12.4	11.3		16.7	15.1	12.7		16.8	15	12.7		17.2	14.7	12.5		16.3	14.2	12.2	115	
120	12.1	11.8	10.7		15.9	14.4	12.1		16	14.4	12.2		16.6	14.2	12		15.8	13.7	11.7	120	
125	11.2	11.2	10.2	8.3	15.2	13.7	11.5		15.3	13.8	11.6		16	13.6	11.5		15.3	13.2	11.2	125	
130	10.7	10.5	9.6	8	14.6	13	11		14.6	13.2	11.1		15.4	13.1	11.1		14.9	12.8	10.8	130	
135	10.1	9.9	9.1	7.6	13.9	12.3	10.6	8	14.1	12.6	10.7		14.8	12.7	10.7		14.4	12.3	10.5	135	
140	9.6	9.3	8.7	7.3	13.3	11.7	10.2	7.7	13.5	12	10.3	7.7	14.2	12.2	10.3		13.9	11.9	10.2	140	
145	9	8.8	8.3	7	12.7	11.2	9.8	7.5	13	11.5	9.9	7.5	13.6	11.7	9.9	7.5	13.4	11.5	9.8	145	
150	8.5	8.3	7.9	6.8	12	10.8	9.4	7.3	12.5	11	9.6	7.3	13.1	11.2	9.6	7.3	12.9	11.2	9.5	7.3	150
155	8	7.9	7.4	6.5	11.4	10.4	9.1	7.1	12	10.5	9.2	7.1	12.7	10.7	9.3	7.2	12.4	10.8	9.2	7.2	155
160	7.6	7.5	7.1	6.3	10.8	10	8.8	6.9	11.4	10.2	8.9	7	12.3	10.2	9	7	11.9	10.4	9	7	160
165	7.3	7.1	6.8	6.1	10.2	9.6	8.5	6.7	10.9	9.9	8.6	6.8	11.8	9.9	8.7	6.8	11.5	10	8.7	6.8	165
170	6.9	6.7	6.4	5.8	9.8	9.2	8.2	6.6	10.4	9.5	8.3	6.6	11.4	9.6	8.4	6.7	11.2	9.6	8.5	6.7	170
175	6.5	6.4	6.2	5.6	9.4	8.8	7.9	6.4	9.9	9.2	8.1	6.5	10.9	9.3	8.2	6.5	10.8	9.3	8.2	6.5	175
180	6.2	6.2	5.9	5.4	9.1	8.4	7.6	6.2	9.5	8.8	7.8	6.3	10.5	9.1	7.9	6.4	10.5	9	7.9	6.4	180
185	5.9	5.9	5.6	5.3	8.7	8.1	7.3	6.1	9.1	8.5	7.6	6.2	10	8.8	7.7	6.2	10.1	8.7	7.7	6.2	185
190	5.6	5.6	5.4	5.2	8.4	7.9	7.1	5.9	8.8	8.2	7.3	6	9.6	8.5	7.5	6.1	9.8	8.5	7.5	6.1	190
195	5.3	5.4	5.2	5.1	8	7.6	6.8	5.8	8.5	7.9	7.1	5.9	9.2	8.2	7.2	5.9	9.4	8.2	7.3	5.9	195
200	5.1	5.1	5.1		7.7	7.3	6.6	5.7	8.2	7.6	6.8	5.7	8.9	7.9	7	5.8	9.1	8	7.1	5.8	200
205					7.3	7.1	6.4	5.5	7.9	7.4	6.6	5.6	8.6	7.6	6.8	5.7	8.7	7.7	6.9	5.7	205
210					7.1	6.8	6.2	5.4	7.6	7.2	6.5	5.5	8.3	7.3	6.6	5.5	8.4	7.5	6.7	5.6	210
215					6.8	6.5	6	5.3	7.3	6.9	6.3	5.4	8.1	7.1	6.4	5.4	8	7.2	6.5	5.5	215
220					6.6	6.3	5.8	5.2	7	6.7	6.1	5.3	7.8	6.9	6.2	5.3	7.7	7	6.3	5.3	220
225					6.3	6.1	5.6	5.1	6.7	6.5	5.9	5.2	7.5	6.7	6.1	5.2	7.4	6.8	6.1	5.3	225
230					6.1	5.9	5.5	5	6.5	6.2	5.7	5.1	7.3	6.5	5.9	5.1	7.1	6.6	6	5.2	230
235					5.9	5.7	5.3	5	6.3	6.1	5.6	5	7	6.3	5.8	5.1	6.8	6.4	5.8	5.1	235
240					5.6	5.5	5.2	5	6.1	5.9	5.5	5	6.7	6.1	5.6	5	6.5	6.2	5.7	5	240
245					5.4	5.4	5.1	5	5.9	5.7	5.3	4.9	6.6	5.9	5.5	5	6.2	6	5.6	5	245
250					5.3	5.2	5	5	5.7	5.6	5.2	4.9	6.4	5.8	5.3	4.9	5.8	5.8	5.4	4.9	250
255					5.1	5.1	4.9	5	5.5	5.4	5.1	4.9	6.2	5.6	5.2	4.9	5.5	5.6	5.3	4.8	255
260					5	5	4.8		5.3	5.2	5	4.9	6	5.5	5.1	4.9	5.2	5.4	5.1	4.8	260
265					4.8	4.9	4.8		5.2	5.1	4.9	4.9	5.8	5.4	5	4.9	4.9	5.2	4.9	4.8	265
270					4.8	4.9			5	5	4.8	4.9	5.6	5.2	4.9	4.9	4.5	4.9	4.7	4.7	270
275									4.9	4.9	4.8		5.4	5.1	4.8	4.9	4.2	4.6	4.5	4.7	275
280									4.8	4.8	4.8		5.3	5	4.8	4.9	3.8	4.2	4.2	4.6	280
285									4.7	4.8	4.8		5.1	4.9	4.8	4.9	3.5	3.8	4	4.5	285
290													5	4.8	4.7		3.2	3.5	3.7	4.1	290
295													4.8	4.8	4.7		2.8	3.1	3.4	3.6	295
300													4.5	4.7	4.7		2.5	2.8	3		300
305														3.7			2.1	2.4	2.6		305
310																	1.7	2	2.3		310
315																		1.6	1.7		315

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

**TF 149**

	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	1.7	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

	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	161 ft				0°	10°	20°	40°	0°	10°	20°	40°	
34	38.6																			34	
36	37.5																			36	
38	36.5																			38	
40	35.4																			40	
45	32.6				29.8															45	
50	30.2				28.4				27.4											50	
55	28.3				27				26.3				24.7							55	
60	26.3				25.5				25.2				23.8				21.7			60	
65	24.4	22.9			24.2				24.1				22.8				20.9			65	
70	22.6	21.5			23.1				23.1				21.8				20.2			70	
75	21.3	20.1			22	19.2			22.2				20.9				19.4			75	
80	20	18.8			20.9	18.5			21.2	17.8			20.1				18.7			80	
85	18.6	17.5			19.9	17.6			20.3	17.1			19.3	16.3			17.9			85	
90	17.3	16.3	14.5		18.9	16.8			19.4	16.4			18.6	15.7			17.4	14.6		90	
95	16.1	15	13.5		18	16.1			18.5	15.7			17.8	15.1			16.8	14.2		95	
100	15.1	14.1	12.6		17.3	15.4			17.7	15			17.1	14.5			16.2	13.7		100	
105	14.1	13.2	11.8		16.6	14.7	12.5		17	14.4			16.4	13.9			15.6	13.2		105	
110	13.2	12.3	11.1		15.9	14.1	11.8		16.3	13.9	11.8		15.7	13.4			15	12.7		110	
115	12.3	11.4	10.4		15.2	13.4	11.2		15.7	13.3	11.2		15.1	12.9	11		14.4	12.3		115	
120	11.4	10.6	9.8		14.4	12.8	10.7		15	12.7	10.7		14.6	12.4	10.6		13.9	11.9	10.2	120	
125	10.5	10	9.3		13.7	12.2	10.3		14.4	12.2	10.3		14.1	11.9	10.2		13.4	11.5	9.9	125	
130	9.6	9.5	8.8		13.1	11.7	9.9		13.7	11.7	9.9		13.5	11.5	9.8		13	11.1	9.5	130	
135	9.2	9	8.3	6.7	12.6	11.1	9.4		13.1	11.2	9.5		13	11	9.5		12.5	10.7	9.2	135	
140	8.7	8.5	7.8	6.4	12.1	10.5	9.1		12.6	10.8	9.1		12.5	10.6	9.1		12.1	10.3	8.9	140	
145	8.2	8	7.4	6.1	11.6	10	8.7	6.4	12.1	10.3	8.8		12	10.3	8.8		11.7	9.9	8.6	145	
150	7.7	7.5	7	5.8	11.1	9.6	8.4	6.2	11.6	9.8	8.5	6.2	11.5	9.9	8.4		11.2	9.6	8.3	150	
155	7.3	7.1	6.7	5.6	10.6	9.2	8	6	11.2	9.4	8.2	6	11.1	9.5	8.2	6	10.8	9.3	8	155	
160	6.8	6.7	6.3	5.3	10	8.9	7.7	5.8	10.7	9	7.8	5.8	10.7	9.1	7.9	5.9	10.3	9	7.8	5.8	160
165	6.4	6.4	5.9	5.1	9.5	8.5	7.4	5.7	10.3	8.7	7.5	5.7	10.3	8.8	7.6	5.7	9.9	8.7	7.5	5.7	165
170	6.1	6	5.6	4.9	9	8.2	7.1	5.5	9.8	8.4	7.3	5.5	10	8.5	7.3	5.5	9.5	8.4	7.3	5.5	170
175	5.8	5.7	5.3	4.7	8.6	7.8	6.9	5.3	9.4	8.1	7	5.4	9.6	8.2	7.1	5.4	9.3	8	7	5.4	175
180	5.4	5.3	5.1	4.5	8.2	7.5	6.6	5.2	8.9	7.8	6.8	5.2	9.2	7.9	6.8	5.2	9	7.7	6.8	5.2	180
185	5.1	5.1	4.8	4.4	7.9	7.1	6.3	5	8.5	7.5	6.5	5.1	8.9	7.6	6.6	5.1	8.7	7.5	6.6	5.1	185
190	4.8	4.8	4.6	4.2	7.6	6.8	6.1	4.9	8.1	7.2	6.3	4.9	8.5	7.4	6.4	5	8.4	7.2	6.4	5	190
195	4.5	4.5	4.3	4	7.3	6.6	5.8	4.7	7.8	6.9	6.1	4.8	8.1	7.1	6.2	4.8	8.1	7	6.1	4.8	195
200	4.3	4.3	4.1	3.9	7	6.3	5.6	4.6	7.6	6.6	5.8	4.7	7.8	6.8	6	4.7	7.8	6.7	5.9	4.7	200
205	4.1	4.1	3.9	3.8	6.7	6.1	5.4	4.4	7.3	6.3	5.6	4.5	7.4	6.6	5.8	4.6	7.5	6.5	5.8	4.6	205
210	3.8	3.9	3.8		6.4	5.8	5.2	4.3	7	6.1	5.4	4.4	7.2	6.3	5.6	4.5	7.2	6.3	5.6	4.5	210
215	3.7	3.7			6.1	5.6	5	4.2	6.7	5.9	5.2	4.3	6.9	6.1	5.4	4.3	6.9	6.1	5.4	4.4	215
220					5.8	5.3	4.8	4.1	6.4	5.7	5.1	4.2	6.7	5.8	5.2	4.2	6.6	5.8	5.2	4.2	220
225					5.6	5.1	4.6	4	6.2	5.5	4.9	4.1	6.4	5.6	5	4.1	6.3	5.6	5	4.1	225
230					5.4	4.9	4.5	3.9	5.9	5.3	4.7	4	6.2	5.4	4.8	4	6	5.4	4.8	4	230
235					5.2	4.8	4.3	3.8	5.7	5.1	4.5	3.9	5.9	5.2	4.7	3.9	5.7	5.2	4.6	4	235
240					5	4.6	4.2	3.7	5.4	4.9	4.4	3.8	5.7	5.1	4.5	3.9	5.4	5	4.5	3.9	240
245					4.7	4.4	4.1	3.7	5.2	4.7	4.3	3.8	5.5	4.9	4.4	3.8	5.2	4.9	4.4	3.8	245
250					4.5	4.2	3.9	3.7	5	4.5	4.1	3.7	5.2	4.7	4.2	3.7	4.9	4.7	4.2	3.7	250
255					4.3	4.1	3.8	3.7	4.8	4.4	4	3.6	5	4.5	4.1	3.7	4.6	4.5	4.1	3.7	255
260					4.1	3.9	3.7	3.7	4.6	4.2	3.9	3.6	4.9	4.3	3.9	3.6	4.3	4.3	4	3.6	260
265					3.8	3.8	3.6	3.7	4.4	4.1	3.8	3.6	4.7	4.2	3.8	3.6	4	4.2	3.9	3.6	265
270					3.7	3.7	3.6		4.2	3.9	3.6	3.6	4.5	4.1	3.7	3.5	3.7	4	3.7	3.5	270
275					3.5	3.6	3.5		4.1	3.8	3.6	3.6	4.4	3.9	3.6	3.5	3.4	3.8	3.6	3.5	275
280					3.4	3.5			3.9	3.7	3.5	3.6	4.2	3.8	3.5	3.5	3.1	3.5	3.3	3.5	280
285					2.1				3.8	3.6	3.5		4	3.7	3.4	3.5	2.7	3.1	3.1	3.4	285
290									3.7	3.5	3.5		3.9	3.5	3.4	3.5	2.4	2.8	2.8	3.2	290
295									3.5	3.4	3.4		3.7	3.5	3.4	3.5	2	2.5	2.6	3.1	295
300									2.8	3.4			3.5	3.4	3.4		1.6	2	2.4	2.8	300
305													3.4	3.4	3.4			1.6	2	2.3	305
310													3.2	3.3	3.4					1.9	310
315															3.2						315

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

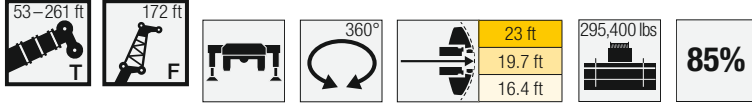
TF 161

Height (ft)	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*	Height (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



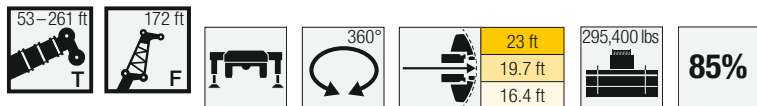
Lifting height 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lifting height 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325
	172 ft																				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
36	34.3																			36	
38	33.4																			38	
40	32.4																			40	
45	30.1																			45	
50	27.9				26.8			25												50	
55	26				25.5			24.1				22.2								55	
60	24.4				24.2			23				21.4				19.4				60	
65	22.7				23			21.9				20.5				18.7				65	
70	21.1	19.9			21.9			20.9				19.7				18.1				70	
75	19.6	18.7			20.9			20				18.8				17.4				75	
80	18.5	17.4			19.9	16.7		19.2				18.1				16.7				80	
85	17.3	16.3			18.9	15.9		18.3	15.4			17.4				16.1				85	
90	16.1	15.2			17.9	15.2		17.5	14.7			16.7	14			15.5				90	
95	15	14.1			17	14.5		16.7	14.1			16	13.5			14.9	12.5			95	
100	14	13	11.7		16.2	13.8		15.9	13.5			15.4	12.9			14.4	12.2			100	
105	13.1	12.2	10.9		15.6	13.3		15.2	12.9			14.7	12.4			13.9	11.7			105	
110	12.3	11.5	10.3		14.9	12.7	10.8		14.6	12.4		14	11.9			13.3	11.3			110	
115	11.6	10.8	9.7		14.2	12.1	10.3		14	11.9	10.1		13.5	11.5		12.8	10.8			115	
120	10.8	10	9.1		13.5	11.5	9.8		13.4	11.4	9.7		13	11	9.3	12.3	10.4			120	
125	10.1	9.4	8.6		12.9	11	9.4		12.9	10.8	9.3		12.5	10.6	9	11.8	10.1	8.6		125	
130	9.3	8.8	8.1		12.2	10.5	9		12.3	10.4	8.9		12	10.1	8.7	11.4	9.7	8.3		130	
135	8.6	8.3	7.7		11.6	10.1	8.6		11.7	10	8.6		11.6	9.7	8.3	11	9.3	8		135	
140	8	7.9	7.2		11.2	9.6	8.2		11.1	9.6	8.2		11.1	9.3	8	10.6	9	7.7		140	
145	7.6	7.4	6.8	5.4	10.7	9.2	7.9		10.7	9.2	7.9		10.6	9	7.7	10.2	8.6	7.4		145	
150	7.2	7	6.4	5.2	10.3	8.7	7.6		10.3	8.8	7.5		10.2	8.6	7.4	9.8	8.3	7.1		150	
155	6.8	6.5	6.1	4.9	9.8	8.4	7.2	5.2	9.9	8.4	7.2		9.7	8.3	7.1	9.5	8	6.9		155	
160	6.3	6.1	5.8	4.7	9.4	8	6.9	5	9.5	8	6.9	5	9.3	8	6.8	9.1	7.7	6.6		160	
165	5.9	5.8	5.4	4.4	8.9	7.7	6.6	4.8	9.1	7.7	6.7	4.8	9	7.6	6.5	8.7	7.5	6.3		165	
170	5.5	5.5	5.1	4.2	8.5	7.4	6.3	4.7	8.7	7.4	6.4	4.7	8.7	7.3	6.3	8.3	7.2	6.1	4.6	170	
175	5.2	5.2	4.8	4	8	7	6.1	4.5	8.3	7.1	6.1	4.5	8.4	7	6	8	6.9	5.9	4.4	175	
180	4.9	4.9	4.5	3.8	7.6	6.7	5.8	4.3	8	6.8	5.8	4.4	8	6.8	5.8	7.7	6.6	5.7	4.3	180	
185	4.6	4.5	4.3	3.6	7.3	6.4	5.6	4.2	7.6	6.5	5.6	4.2	7.7	6.5	5.5	7.4	6.4	5.4	4.1	185	
190	4.3	4.3	4	3.4	7	6.1	5.3	4	7.2	6.3	5.4	4.1	7.4	6.3	5.3	7.2	6.1	5.2	4	190	
195		4	3.8	3.2	6.7	5.8	5.1	3.9	6.9	6	5.2	4	7.1	6	5.1	6.9	5.9	5	3.8	195	
200		3.8			6.4	5.5	4.8	3.8	6.6	5.7	4.9	3.8	6.7	5.8	4.9	6.6	5.7	4.8	3.7	200	
205		3.5			6.1	5.3	4.6	3.6	6.3	5.4	4.7	3.7	6.4	5.5	4.7	6.4	5.5	4.6	3.6	205	
210					5.7	5	4.4	3.5	6	5.1	4.5	3.5	6.1	5.3	4.5	6.1	5.3	4.5	3.4	210	
215					5.4	4.8	4.2	3.4	5.8	4.9	4.3	3.4	5.8	5	4.4	5.8	5.1	4.3	3.3	215	
220					5.1	4.6	4	3.2	5.5	4.7	4.1	3.3	5.6	4.8	4.2	5.6	4.9	4.2	3.2	220	
225					4.9	4.3	3.8	3.1	5.3	4.5	3.9	3.1	5.4	4.6	4	5.3	4.6	4	3.1	225	
230					4.6	4.1	3.6	3	5	4.3	3.8	3	5.1	4.4	3.8	5.1	4.4	3.8	3	230	
235					4.4	3.9	3.4	2.8	4.7	4.1	3.6	2.9	4.9	4.2	3.6	4.8	4.2	3.7	2.9	235	
240					4.2	3.7	3.3	2.7	4.5	3.9	3.4	2.8	4.7	4.1	3.5	4.6	4	3.5	2.8	240	
245					4	3.5	3.1	2.6	4.3	3.7	3.3	2.6	4.5	3.9	3.4	4.4	3.9	3.3	2.6	245	
250					3.8	3.4	3	2.5	4.1	3.5	3.1	2.6	4.3	3.7	3.2	4.1	3.7	3.2	2.6	250	
255					3.6	3.2	2.9	2.5	3.9	3.4	3	2.5	4	3.5	3.1	3.9	3.6	3.1	2.5	255	
260					3.4	3	2.7	2.5	3.7	3.2	2.9	2.4	3.9	3.4	3	3.7	3.4	3	2.4	260	
265					3.2	2.9	2.6	2.5	3.5	3.1	2.8	2.4	3.7	3.2	2.8	3.5	3.3	2.9	2.3	265	
270					3	2.7	2.5	2.5	3.4	3	2.6	2.4	3.5	3	2.7	3.2	3.1	2.7	2.2	270	
275					2.9	2.6	2.4	2.5	3.2	2.8	2.5	2.4	3.4	2.9	2.6	3	3	2.6	2.2	275	
280					2.7	2.5	2.4		3	2.7	2.4	2.4	3.2	2.8	2.5	2.8	2.8	2.5	2.2	280	
285					2.6	2.4	2.4		2.8	2.5	2.3	2.4	3.1	2.7	2.4	2.4	2.7	2.3	2.2	285	
290					2.4	2.3	2.4		2.7	2.4	2.3	2.4	2.9	2.6	2.3	2	2.4	2.1	2.2	290	
295					2.4	2.3			2.6	2.4	2.3		2.8	2.5	2.2	1.6	2	1.8	2.2	295	
300									2.5	2.3	2.3		2.6	2.3	2.1		1.6	1.6	2.1	300	
305									2.3	2.2	2.2		2.5	2.3	2.1				2	305	
310									2.2	2.2			2.4	2.2	2.1				1.9	310	
315													2.3	2.2	2.1					315	
320													2.2	2.1	2.1					320	
325														2.1						325	

\* adapter - piece d'adaptateur



# Lifting capacities Forces de levage

TF 172

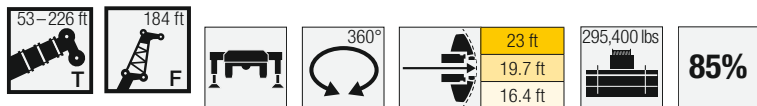


	191 ft + 7.5 ft*				209 ft + 7.5 ft*				172 ft			226 ft + 7.5 ft*			243 ft + 7.5 ft*			259 ft + 7.5 ft*	261 ft + 7.5 ft*	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	0°	
70	16.1																			70
75	15.6				13.5															75
80	15.1				13.1				9											80
85	14.6				12.7				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



Lifting height (ft)	53 ft + 7.5 ft*				105 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lifting height (ft)	
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
38	30.3																			38		
40	29.5																			40		
45	27.5				26.5															45		
50	25.5				25.2				24											50		
55	23.7				23.8				22.9					21.5						55		
60	22.2				22.5				21.8					20.5				19		60		
65	20.8				21.2				20.6					19.6				18.2		65		
70	19.3				20.2				19.6					18.7				17.5		70		
75	17.9	17			19.2				18.7					17.7				16.7		75		
80	16.8	15.9			18.2	15.3			17.8					17				16		80		
85	15.7	14.9			17.2	14.6			17	14.2				16.3				15.3		85		
90	14.7	13.9			16.2	13.9			16.1	13.5				15.6	13			14.7		90		
95	13.7	13			15.3	13.1			15.2	12.9				14.9	12.4			14.1	11.7	95		
100	12.7	12			14.6	12.4			14.4	12.2				14.1	11.8			13.5	11.3	100		
105	11.8	11.1	10.1		13.9	11.9			13.8	11.6				13.4	11.3			13	10.8	105		
110	11	10.4	9.5		13.2	11.3			13.2	11.1				12.8	10.8			12.4	10.3	110		
115	10.4	9.8	8.9		12.5	10.7	9.2		12.6	10.6	9			12.3	10.3			11.8	9.9	115		
120	9.8	9.2	8.4		11.8	10.1	8.7		12	10.1	8.6			11.8	9.9	8.3		11.3	9.5	120		
125	9.2	8.6	7.9		11.2	9.6	8.3		11.4	9.6	8.2			11.3	9.4	8		10.8	9.1	7.6	125	
130	8.6	8.1	7.4		10.5	9.1	7.9		10.8	9.1	7.8			10.8	9	7.6		10.4	8.7	7.3	130	
135	7.9	7.5	6.9		10	8.7	7.5		10.2	8.7	7.4			10.3	8.5	7.3		10	8.3	7	135	
140	7.3	7.1	6.5		9.6	8.2	7.1		9.7	8.3	7.1			9.7	8.2	6.9		9.6	7.9	6.6	140	
145	6.8	6.7	6.1		9.1	7.8	6.7		9.3	7.9	6.7			9.2	7.8	6.6		9.1	7.6	6.3	145	
150	6.4	6.3	5.7		8.7	7.3	6.4		8.9	7.5	6.4			8.8	7.5	6.3		8.7	7.2	6.1	150	
155	6	5.9	5.4	4.1	8.2	7	6		8.5	7.1	6.1			8.5	7.1	6		8.3	6.9	5.8	155	
160	5.6	5.5	5	3.8	7.8	6.6	5.7	4.1	8.1	6.7	5.8			8.1	6.8	5.7		7.9	6.6	5.5	160	
165	5.2	5.1	4.7	3.5	7.3	6.3	5.4	3.9	7.7	6.4	5.5	3.9		7.8	6.4	5.4		7.5	6.3	5.3	165	
170	4.9	4.7	4.4	3.3	6.8	6	5.1	3.7	7.3	6.1	5.2	3.7		7.4	6.1	5.2	3.7	7.2	6	5	170	
175		4.4	4.1	3	6.4	5.6	4.8	3.5	6.9	5.8	4.9	3.5		7	5.8	4.9	3.4	6.9	5.7	4.8	3.3	175
180		4.1	3.8	2.7	6.1	5.3	4.6	3.3	6.4	5.5	4.6	3.3		6.7	5.5	4.6	3.2	6.7	5.4	4.6	3.1	180
185		3.8	3.3	2.5	5.8	5	4.3	3	6.1	5.2	4.4	3		6.3	5.3	4.4	3	6.4	5.2	4.3	2.8	185
190		3.5	3		5.4	4.7	4.1	2.8	5.7	4.9	4.2	2.8		6	5	4.2	2.7	6.1	5	4.1	2.7	190
195		3.1	2.7		5.1	4.4	3.8	2.5	5.4	4.6	3.9	2.6		5.6	4.8	4	2.5	5.8	4.8	3.9	2.5	195
200		2.7			4.8	4.1	3.5	2.3	5.2	4.4	3.7	2.3		5.3	4.5	3.8	2.3	5.5	4.5	3.7	2.3	200
205					4.5	3.9	3.2	2.1	4.9	4.1	3.5	2.1		5	4.3	3.6	2.1	5.2	4.3	3.5	2.1	205
210					4.2	3.7	3	1.9	4.6	3.9	3.2	2		4.8	4	3.4	2	4.9	4.1	3.3	1.9	210
215					3.9	3.4	2.7	1.7	4.3	3.7	2.9	1.8		4.6	3.8	3.1	1.8	4.6	3.9	3.1	1.8	215
220					3.6	3.1	2.5	1.6	4.1	3.4	2.7	1.6		4.3	3.6	2.9	1.7	4.4	3.7	2.9	1.6	220
225					3.4	2.8	2.2		3.8	3.2	2.4			4.1	3.4	2.6		4.1	3.4	2.7		225
230					3.2	2.5	1.9		3.5	3	2.2			3.9	3.2	2.4		4	3.2	2.5		230
235					3	2.3	1.7		3.3	2.7	2			3.6	3	2.2		3.8	3	2.2		235
240					2.7	2	1.5		3.1	2.4	1.8			3.4	2.8	2		3.6	2.8	2		240
245					2.4	1.8			2.9	2.1	1.6			3.1	2.5	1.8		3.4	2.6	1.8		245
250					2.2	1.6			2.7	1.9				2.9	2.3	1.6		3.2	2.4	1.7		250
255					1.9				2.4	1.8				2.7	2			3	2.2	1.5		255
260					1.6				2.2	1.6				2.5	1.8			2.7	2			260
265									1.9					2.3	1.6			2.5	1.8			265
270									1.7					2.1				2.3	1.6			270
275														1.9				2.1				275
280														1.7				1.9				280
285																		1.7				285
290																		1.5				290

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

**TF 184**

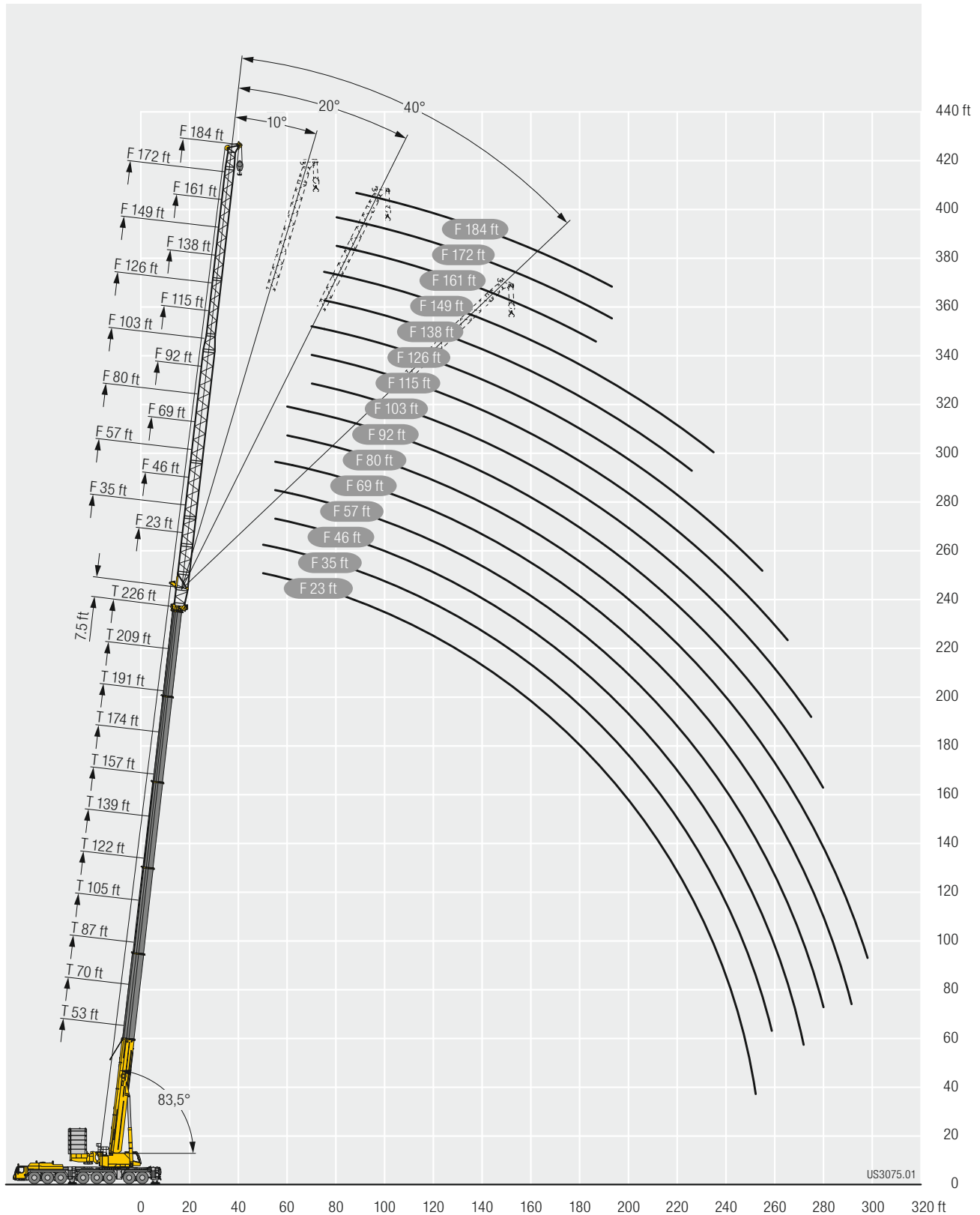
53-226 ft  
184 ft  
360°  
23 ft  
19.7 ft  
16.4 ft  
295,400 lbs  
85%

	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°	184 ft 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

TF



# Lifting capacities Forces de levage

TN 46 - 57

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			
				46 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*			
							57 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			105.7		110.8	102		104.8	85	
90									99.2			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°  
23 ft  
19.7 ft  
16.4 ft  
295,400 lbs  
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			92.6		97.3	89.3		93.6			88.8		95
100									88.3			84.3		88.3			84.3		100
105									83.7			79.7				74.8	79.6		105
110												75.5				71		65.8	110
115																67.4		62.5	115
120																64		59.4	120
125																		56.5	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			33.1								105
110		53.6			41.2			31.7			24.5					110
115					39.8			30.4			23.6					115
120			44.2					29.2			22.6			16.9		120
125			42.2								21.7			16.1		125
130			40.6													130
135						30.2										135
140						28.9										140
145						27.7				20						145
150										19.1						150
155												12.5				155
160															6.2	160

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 80

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*					
	80 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	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			75.2	110	
115									75.3				71.7			70.5			71.4	61.9	115
120													68.2			66.9				58.9	120
125													64.8			63.7				56.1	125
130																60.7				53.6	130
135																57.8				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*									
	80 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					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												145	
150									24.7												150	
155																				18.2	155	
160																				17.4	160	
165																				16.6	165	
170																				9.3	170	
																				10.6	160	
																				10.2	165	
																					4.9	170

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 92

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*					
	92 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*									
	92 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			22							17.5						12.5		140	
145			34.2			24.9							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																					175	
180																					4.5	180
																					4.1	180

\* adapter - piece d'adaptateur



# Lifting capacities Forces de levage

TN 103

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			103 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°	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			13.8							165
170						19.6			13.2			8.9				170
175						18.9			12.6			8.5				175
180									12			8.2				180
185												7.9			3.7	185
190															3.4	190

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 115

	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*				
	115 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	66	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			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*		
	115 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		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 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			
	126 ft																		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
55	135.1			128.1															55
60	133.1			127.1			115.6			101									60
65	131.1			125.8			114.8			100.9			83.2			65.6			65
70	129.3			124.4			114			100.4			83.5			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	63.1		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	62.4		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	61.4		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	60.2		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	58.9		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	56.8		135
140		61.4	62.2		63.9	59.9		62.2	57.4		62.7	54.1	62.1	57.6	50.5	63.3	54.2		140
145			59.5		59.7	57.3		59.5	54.9		57.3	51.7		55	48.3		51.8	43.9	145
150			57			54.8		57	52.6		54.9	49.5		52.7	46.2		49.6	42	150
155					52.6				50.4		52.5	47.4		50.4	44.2		47.5	40.2	155
160									48.3			45.4		48.3	42.4		45.5	38.5	160
165												43.6			40.6			36.9	165
170												41.8			39			35.3	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*		
	126 ft														
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
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	6.7	145
150		33.8			24.7		23.8	18.3			16.2	12.9	7.6	6.5	150
155		33	28.5		24			17.7				12.4		6.3	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	5.5	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 138

53-226 ft  
138 ft  
360°  
23 ft  
19.7 ft  
16.4 ft  
295,400 lbs  
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*								
	138 ft																							
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°						
55	121.9																		55					
60	120.5			114.2			104.1												60					
65	118.8			113.2			103.4			90.7									65					
70	117.1			112.3			102.7			90.5			75.2					59.1	70					
75	115.6			111.2			101.9			90			75.4					59.2	75					
80	113.9			110.1			101.3			89.5			75.6					59.4	80					
85	111.4	110.3		108.7			100.6			89.1			75.8					59.5	85					
90	108.4	106.7		106.1	102.9		99.3			88.7			75.9					59.5	90					
95	105.5	101		103.5	97.4		97.7	93.9		88.4			76					59.4	95					
100	100.8	95.8		98.7	92.4		95.9	89.2		88	85		75.7					59.4	100					
105	95.9	91.1		93.9	88		92	84.8		87.7	80.8		75.4	72.4				59.3	105					
110	91.2	86.7	82.5	89.5	84.3		87.8	80.8		85.7	77		75.1	71.8				59.2	110					
115	86.1	82.4	78.3	85.3	80.5	75.4	83.8	77.1		82	73.4		74.7	69.5				59.2	57.2	115				
120	80.5	78.4	74.5	81.1	76.6	71.7	80	73.7		78.5	70.1		74.3	66.4				59.2	56.8	120				
125	74.9	74.7	70.9	77.3	72.9	68.3	76.2	70.3	64.6	75	68.2		73.3	64.9				59.2	56.3	125				
130	68	71.2	67.6	73.6	69.5	65.1	72.7	67	62	71.5	65.3		70.1	62.1				59.2	55.4	130				
135	60.6	67.9	64.5	67	66.4	62.1	69.4	63.9	59.2	68.2	62.3	56.1	67.5	59.4				59.2	54.4	135				
140	52.9	65	61.6	59.4	63.4	59.3	65.5	61.5	56.5	64.7	59.5	53.5	64.5	56.7	49.5			59.2	53.1	140				
145		62.2	59		60.7	56.7	58.1	58.8	54	61.9	56.9	51.1	61.6	54.2	47.3			59.1	51	145				
150		57.1	56.5		58.1	54.3		56.3	51.7	56.3	54.5	48.9	57.4	51.9	45.2			57.4	48.7	41	150			
155			54.2		55.2	52.1		54	49.6		52.2	46.9		49.7	43.3			54.8	46.7	39.2	155			
160			52			49.9		51.7	47.5		50	44.9		47.7	41.5				44.7	37.5	160			
165						47.9					45.6		48	43.1					45.7	39.7		165		
170											43.8			41.4					43.9	38.1		170		
175											42.1				39.7					36.6		175		
180															38.1					35.1		180		
185																				33.8		185		
190																						28	190	
195																							28	195

\* adapter - piece d'adaptateur

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	138 ft																
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°			
75	45.7														75		
80	45.3														80		
85	44.9			34.1						22					85		
90	44.5			33.9						24			15		90		
95	44			33.6						23.8			14.8		95		
100	43.5			33.3						23.6			14.5		7	100	
105	43.1			32.9						23.4			14.3		6.8	105	
110	42.6			32.5						23.2			14.1		6.5	110	
115	42.2			32.2						22.9			13.8		6.3	115	
120	41.6			31.9						22.7			13.7		6.1	120	
125	41	36.6		31.5						22.4			13.5		5.9	125	
130	40.4	35		31.2						22.2			13.3		5.8	130	
135	39.8	34.2		30.9	26.2					22			13.2		5.6	135	
140	39.2	33.4		30.5	25.4					21.8	18.5		13.1		5.4	140	
145	38.6	32.6		30.2	24.6					21.6	18		12.9		5.3	145	
150	38.6	32.6		29.9	23.8					21.4	17.4		12.8	11.4	5.1	150	
155	36.9	31.7		29.6	23					21.2	16.8		12.8	11.2	5	4.1	155
160	35.9	30.9		29.4	22.2					21	16.2		12.8	11	4.9	3.9	160
165		30.2	26		21.6					20.9	15.7		12.8	10.7	4.8	3.8	165
170		29.5	25.2		21						15.1			10.4	4.7	3.6	170
175		28.9	24.3		20.4	16.2					14.6			10		3.4	175
180		28.3	23.5		19.9	15.5					14.1			9.7		3.2	180
185		28	22.7		19.4	14.9					13.6	9.4		9.4		3.1	185
190			22			14.3					13.2	9.1		9.1			185
195			21.3			13.8						8.8		8.8			190
200			20.7			13.2						8.4			4.9		195
205			20.1			12.7						8.1			4.6		200
210						12.2						7.8			4.3		205
215												7.4			4.1		210
220												7.1			3.8		215

\* 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			102.5			93.6												65
70	106.5			101.6			93			82									70
75	105.2			100.8			92.4			81.7							53.7		75
80	103.9			99.9			91.8			81.2							53.8		80
85	102.6			99.1			91.1			80.8							53.9		85
90	101.1	99.3		98.2			90.5			80.4							54		90
95	99.6	98		97.3	95.3		90			80							53.9		95
100	97.9	94		96.1	91		89.4	86.7		79.7							53.9		100
105	94.2	89.4		92.5	86.6		88.9	83.1		79.4	78.1						53.8		105
110	89.8	85.2		88.2	82.5		86.1	79.2		79.1	75.9						53.8		110
115	85.7	81.3	77.2	84.2	78.9		82.5	75.6		78.6	72.4						53.7		115
120	81.6	77.7	73.7	80.6	75.5		79	72.2		76.9	69.1						53.6	51.9	120
125	76.9	74.2	70.4	77.2	72.2	67.4	75.6	69.1		74.2	66.2						53.6	51.9	125
130	72.1	70.7	67.1	73.6	69	64.5	72.2	66.2	60.8	71.1	63.4						53.6	51.7	130
135	67.2	67.5	64	70.3	65.9	61.5	69	63.4	58.8	68.2	61.5						53.6	51.2	135
140	61.2	64.5	61.1	67.1	63	58.8	66	60.6	56.3	65.2	59	52.9					53.6	50.6	140
145	55	61.7	58.5	61.4	60.2	56.2	63.1	58.5	53.9	62.3	56.4	50.6					53.6	49.7	145
150	48.5	59.1	56	54.9	57.7	53.8	59.6	56.2	51.5	59.3	54	48.4					53.6	48.6	150
155		56.7	53.7	47.5	55.3	51.6	53.4	53.9	49.4	56.8	51.8	46.3					53.5	46.7	155
160		52.7	51.6		53.1	49.5	44.2	51.7	47.4	52.6	49.7	44.4					52.5	44.7	160
165			49.5		50.9	47.5		49.6	45.5		47.6	42.6					50.5	42.9	165
170			47.6			45.7		47.7	43.7		45.8	40.9					45.3	39.2	170
175						43.9			42		44	39.3					43.5	37.6	175
180						42.2			40.3			37.7					41.8	36.1	180
185									38.8			36.3					40.2	34.6	185
190												34.9					33.3	33.3	190
195																	32	32	195
200																	30.8	30.8	200
205																	29.6	29.6	205

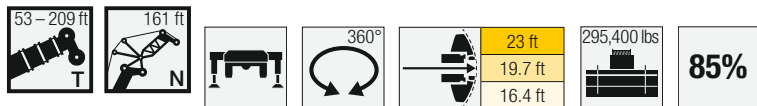
\* adapter - piece d'adaptateur

	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			28.9										80
85	41.2			30.8						21.6				85
90	40.8			30.6						21.5				90
95	40.5			30.3						21.3			12.4	95
100	40.1			30.1						21.1			12.2	100
105	39.7			29.8						20.9			12	105
110	39.3			29.5						20.7			11.8	110
115	38.9			29.2						20.5			11.6	115
120	38.5			28.9						20.3			11.3	120
125	38.1	33.5		28.6						20.1			11.2	125
130	37.6	32.8		28.3						19.9			11	130
135	37.1	32.1		28	23.9					19.7			10.8	135
140	36.6	31.4		27.7	23.3					19.5	16.6		10.7	140
145	36.1	30.7		27.4	22.6					19.4	16.2		10.5	145
150	35.6	30		27.2	21.9					19.2	15.7		10.4	150
155	35	29.3		26.9	21.1					19	15.2		9	155
160	33.5	28.6		26.7	20.4					18.9	14.7		8.8	160
165	32.6	27.9	24.1	26.5	19.8					18.7	14.2		8.6	165
170		27.3	23.2	26.4	19.1					18.6	13.7		8.5	170
175		26.7	22.5		18.6	14.5					13.2		8.3	175
180		26.2	21.7		18.1	14.1					12.8		8.2	180
185		25.7	21		17.7	13.5					12.3		8.1	185
190		25.3	20.3		17.2	12.9					11.9	8.1		190
195			19.6		16.8	12.4					11.5	7.8		195
200			19.1			11.9					11.2	7.5		200
205			18.5			11.4						7.2		205
210			18.1			11						6.9		210
215						10.7						6.6		215
220						10.3						6.3		220
225												6		225

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 161

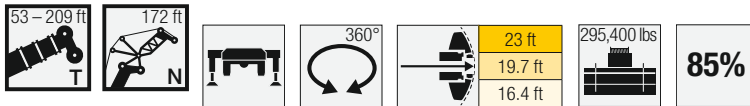


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			
	161 ft																														
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	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											80		
85	93.3			89.6			82.4					73.1			61.7			48.5											85		
90	92.3			88.8			81.8					72.7			61.9			48.6											90		
95	91.1	89.4		88.1			81.3					72.4			61.9			48.6										9.6	95		
100	89.9	88.3		87.4	85.6		80.7					72			61.9			48.6										9.4	100		
105	88.6	87.2		86.7	84.2		80.3	79.1				71.7			62			48.5										9.1	105		
110	87.3	83.6		85.6	80.5		79.8	76.6				71.4	70.3		61.9			48.5										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										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										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									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									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									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									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									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									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									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									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								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								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									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									7.1	5.5	180	
185						40.2		41.8	38.1			40	35.5		37.9	32.4		35.8	29.4									7.1	5.4	185	
190						38.6			36.6			34.1			36.5	31.1		34.4	28.2										5.2	190	
195									35.2				32.8			29.9		33.1	27.1										5.1	195	
200													31.6			28.8			26										5.1	200	
205													30.4			27.7			25										5	205	
210																26.6			24										5	210	
215																			23										5	215	
220																														5	220
225																														5	225
230																														5	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*		
	172 ft			172 ft			172 ft			172 ft			172 ft			172 ft			172 ft			172 ft			172 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			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°

23 ft  
19.7 ft  
16.4 ft

295,400 lbs

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*
	184 ft															83°												
	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		32.6	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				10.8	7.2	6.8	3.2		235	
240																		17.8				7					240	
245																						6.7					245	
250																						6.4					250	
255																						6.2					255	

\* adapter - piece d'adaptateur



# Lifting capacities Forces de levage

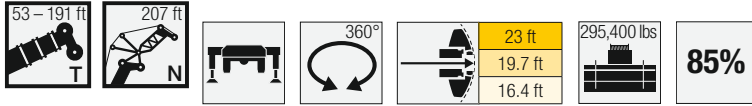
TN 195

Crane Model	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*
													195 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	68.5																										75	
80	67			65.3			62.1																				80	
85	65.4			63.9			61.1			55.1			46.3														85	
90	63.7			62.6			60.1			54.9			46.3			36.3											90	
95	62			61.3			59			54.6			46.4			36.4			27.8			19.5					95	
100	60.3			59.8			57.9			54.1			46.4			36.3			27.8			19.2			11.1		100	
105	58.5			58.4			56.9			53.6			46.5			36.3			27.7			19			10.8		3.8	105
110	56.8	59.5		56.9			55.8			52.9			46.5			36.3			27.5			18.8			10.6		3.6	110
115	55	57.8		55.3	58.1		54.7			52.1			46.4			36.2			27.4			18.6			10.4		3.4	115
120	53.3	56.3		53.6	56.9		53.3	55.5		51.3			46.4			36.2			27.1			18.3			10.2		3.2	120
125	51.5	54.8		51.9	55.6		51.8	54.6		50.4	51.9		46.2			36.2			26.9			18.2			10			125
130	49.8	53		50.2	54.2		50.2	53.7		49.4	51.2		45.8			36.1			26.7			18			9.8			130
135	48.1	51.1		48.5	52.5		48.7	52.7		48.4	50.6		45.5	44.6		36.1			26.4			17.8			9.6			135
140	46.5	49.4	52.1	46.9	50.7		47.2	51.3		47.4	49.9		45.1	44.7		36.1	34.8		26.2			17.6			9.4			140
145	44.9	47.7	50.5	45.3	48.9		45.7	49.8		46.2	49.2		44.7	44.8		36	34.7		25.9	23.4		17.5			9.3			145
150	43.3	46	48.7	43.8	47.3	50.4	44.2	48.2		44.8	48.4		43.9	44.8		36	34.7		25.7	22.9		17.3			9.1			150
155	41.8	44.4	47	42.3	45.7	48.5	42.8	46.7		43.4	47.6		42.8	44.4		36	34.6		25.5	22.4		17.2	15.4		9			155
160	40.5	43	45.4	40.9	44.1	46.8	41.4	45.1	44.1	42	46.3		41.7	43.1		36	34.6		25.2	21.9		17.1	15.2		8.8	7.5		160
165	39.3	41.6	43.9	39.7	42.6	45.3	40.2	43.6	42.9	40.7	44.6	39.9	40.6	41.6		36	34.6		25	21.3		17	15		8.7	7.3		165
170	38.1	40.2	42.5	38.5	41.3	43.7	39	42.3	41.5	39.5	43.1	38.5	39.5	40.1		36	34.6		24.8	20.8		17	14.8		8.6	7.1		170
175	36.9	38.9	41.1	37.2	39.9	42.2	37.9	41	40.1	38.4	41.7	37.1	38.5	39.7	33.8	35.9	34.5		24.6	20.3		17	14.4		8.5	7		175
180	35.9	37.8	39.8	36.2	38.7	40.6	36.7	39.8	38.7	37.2	40.5	35.9	37.5	38.4	32.6	35.5	34.3		24.3	19.9		16.9	14		8.4	6.8		180
185	34.9	36.7	38.6	35.2	37.6	39	35.8	38.7	37.2	36.2	39.3	34.6	36.4	37.1	31.5	35.2	34.1	27.8	24	19.5		16.9	13.5		8.3	6.7		185
190	33.9	35.6	37.4	34.2	36.5	37.6	34.8	37.6	35.8	35.2	37.9	33.3	35.5	35.8	30.3	34.8	33.2	26.8	23.8	19.1		16.9	13.1		8.3	6.6		190
195	31.1	34.7	36.4	32.9	35.5	36.2	33.9	36.6	34.5	34.3	36.5	32	34.6	34.5	29.1	34.3	32	25.7	23.5	18.8	15.8	16.9	12.7		8.3	6.5		195
200	27.1	33.8	35.4	31.1	34.5	34.9	32.6	35.5	33.2	33.4	35.2	30.8	33.7	33.2	27.9	33.6	30.8	24.6	22.4	18.4	15.3	16.9	12.2		8.3	6.4		200
205		32.8	34.4		33.6	33.6	29.9	34.6	32	32.6	33.9	29.6	32.9	32	26.9	32.8	29.6	23.6	21.4	18	14.8	16.9	11.9	8.8	8.3	6.3		205
210			33.5		32.8	32.4		33.7	30.8		32.9	29.7	32.1	30.8	25.8	32.2	28.5	22.7	20.8	17.6	14.3	16.9	11.5	8.5	8.3	6.2		210
215			32.8			31.3		32.9	29.7		31.5	27.5		29.7	24.9		27.5	21.8		17.3	13.8	16.8	11.1	8.2	8.3	6.2	3.6	215
220						30.2		28.7			30.4	26.5		28.7	23.9		26.5	20.9		17	13.4		10.8	7.9		6.2	3.5	220
225						29.2		27.7			25.5			27.6	23		25.5	20.1		16.7	13		10.5	7.6		6.1	3.4	225
230								26.7			24.6				22.2		24.6	19.3		16.5	12.5		10.3	7.3		6.1	3.2	230
235											23.7				21.3			18.5		16.3	12.2		10.1	7		6.1		235
240															20.5			17.8			11.8		9.9	6.8		6.1		240
245															19.8			17.1			11.4			6.5		6.1		245
250																		16.4			11.1			6.3				250
255																					10.9			6				255
260																								5.8				260
265																								5.5				265

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 207



Crane Model	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*		Crane Model		
	207 ft									83°		75°		67°		83°		75°		67°		83°		75°					
	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°			
80	63.3			61.2																						80			
85	62			60.3			56.3			50																	85		
90	60.8			59.2			55.9			49.8			41.8														90		
95	59.5			58.1			55.3			49.7			41.8			32.7			24.9								95		
100	58.3			57.1			54.6			49.4			41.9			32.7			24.7			16.3					100		
105	57.1			56			53.8			49.1			41.9			32.6			24.5			16			8.4		105		
110	55.9			55			53			48.8			42			32.6			24.2			15.8			8.2		110		
115	54.7	56.1		53.9			52.1			48.5			41.9			32.5			24			15.6			8		115		
120	53.4	55		52.8	54.3		51.3			48.2			41.8			32.5			23.8			15.3			7.8		120		
125	52.1	53.9		51.7	53.4		50.4	51.8		47.9			41.8			32.5			23.6			15.1			7.5		125		
130	50.7	52.9		50.5	52.5		49.5	51		47.4	46.7		41.7			32.4			23.4			14.9			7.3		130		
135	49.4	51.7		49.3	51.6		48.6	50.3		46.8	46.8		41.6			32.4			23.2			14.7			7.2		135		
140	48	50.5		48.2	50.6		47.8	49.5		46.2	46.7		41.5	40.1		32.4			23			14.5			7		140		
145	46.6	49.2		46.9	49.5		47	48.8		45.6	46.5		41.4	40.2		32.3	30		22.9			14.4			6.8		145		
150	45.2	47.7	50	45.5	48.5		45.9	48.1		45	46.1		41.3	40.3		32.3	29.9		22.8	20.7		14.2			6.6		150		
155	43.8	46.3	48.6	44.2	47.2	47	44.7	47.3		44	45.6		41.2	40.3		32.3	29.8		22.6	20.4		14.1			6.5		155		
160	42.3	44.7	47	42.9	45.7	45.9	43.4	46.3		43	44.7		40.7	40.3		32.3	29.7		22.5	20		13.9	12.3		6.3		160		
165	41	43.3	45.6	41.6	44.3	44.3	42.1	45.1	41.1	42	43.2		40.2	40		32.3	29.7		22.4	19.6		13.8	12.1		6.1	4.9	165		
170	39.9	42	44.2	40.5	43	42.8	40.8	44	39.8	40.9	41.7		39.8	38.7		32.3	29.7		22.2	19.1		13.7	12		6	4.8	170		
175	38.8	40.8	42.9	39.4	41.9	41.3	39.8	42.6	38.7	39.9	40.3	35.8	39.3	37.4		32.3	29.7		22.1	18.6		13.6	11.9		5.9	4.6	175		
180	37.7	39.6	41.6	38.3	40.8	39.9	38.7	41.2	37.4	38.9	39	34.5	38.6	36.1	31.2	32.3	29.7		21.9	18.1		13.6	11.7		5.8	4.4	180		
185	36.5	38.5	40.3	37.2	39.6	38.6	37.7	39.9	36.2	37.9	38.1	33.3	37.7	35.7	30.1	32.3	29.7		21.8	17.8		13.5	11.6		5.6	4.3	185		
190	35.1	37.5	38.8	36.2	38.5	37.1	36.6	38.6	35	36.9	36.9	32.2	36.8	34.6	29.1	32.3	29.7	25.5	21.6	17.4		13.5	11.5		5.5	4.1	190		
195	33.7	36.5	37.4	35.1	37.5	35.8	35.7	37.5	33.7	35.9	35.7	31.1	35.9	33.5	28.1	32.3	29.7	24.6	21.3	17.1		13.5	11.3		5.5	4	195		
200	32.3	35.5	36	34.2	36.6	34.4	34.8	36.1	32.4	35.1	34.4	29.9	35.1	32.4	27	32.3	29.7	23.7	21.1	16.7	14	13.5	11		5.4	3.8	200		
205	29.2	34.6	34.8	32.6	35.6	33.2	34	34.8	31.2	34.2	33.1	28.8	34.3	31.2	26	32.3	28.8	22.8	20.8	16.4	13.5	13.5	10.7		5.4	3.7	205		
210	25.7	33.8	33.5	29.4	34.7	32	31.9	33.5	30	33.4	32	27.7	33.6	30.1	25	32.2	27.8	21.8	19.9	16	13.1	13.5	10.4	7.5	5.4	3.6	210		
215		31.8	32.4		33.7	30.9	28.7	32.4	29	31.3	30.8	26.7	32.5	29	24	31.8	26.7	20.9	19	15.7	12.6	13.5	10.1	7.3	5.4	3.5	215		
220					31.2			31.2	27.9			29.7	25.7	30.8	27.9	31	25.7	20.1	18.6	15.4	12.1	13.5	9.8	7	5.4	3.4	220		
225					30.2			30.1	28.7			28.7	24.7		26.9	22.2		24.8	19.2	17.2	15.1	11.7	13.5	9.5	6.7	5.4	3.4	225	
230							27.7	29.1	26			27.7	23.8		26	21.3		23.8	18.4		14.8	11.3		9.2	6.4	5.4	3.3	230	
235							26.8		25			26.7	23		25	20.5		23	17.7		14.5	11		9	6.1		3.3	235	
240									24.1				22.1			19.7		22.1	17		14.3	10.6		8.8	5.9		3.2	240	
245													21.3			19			16.3		14.2	10.4		8.6	5.6		3.2	245	
250												20.5				18.2			15.6				10.1		8.4	5.4		3.2	250
255																17.5			15				9.8			5.1		3.2	255
260																			14.3				9.6			4.9			260
265																							9.4			4.6			265
270																							9.2			4.4			270
275																									4.1				275

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 218



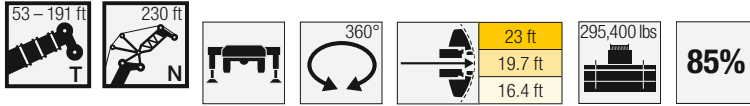
85%

	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°	218 ft			83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	
85	55.2			53.7			50.2			44.6															85	
90	54.2			52.8			50.2			44.6			37.6												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		21.7	16.5		15.7	13	10		8	5.2			240
245					24.5				22.9		24.5	20.9		22.9	18.5		20.9	15.8		12.8	9.7		7.8	5		245
250									22.1			20.1		22	17.8		20.1	15.1		12.6	9.4		7.6	4.8		250
255									21.2			19.4			17.1		19.4	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															15.8			13.3			8.6		3.9			265
270																		12.7			8.4		3.6			270
275																		12.1			8.2		3.4			275
280																					8		3.1			280

\* adapter - piece d'adapateur

# Lifting capacities Forces de levage

TN 230

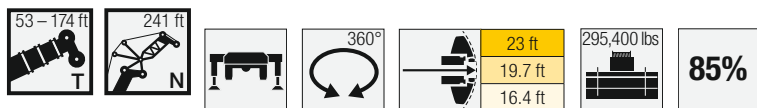


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°			
85	51.7																								85			
90	50.9			49.3					45.6																90			
95	50.1			48.7					45.4			40.1			33.8										95			
100	49.3			48					45.1			40			33.8			26.2							100			
105	48.5			47.3					44.7			39.9			33.8			25.9			18.1			10.1	105			
110	47.7			46.6					44.4			39.7			33.8			25.7			17.9			10.7	4	110		
115	46.9			45.9					44			39.5			33.8			25.4			17.6			10.4	3.8	115		
120	46.2			45.2					43.5			39.3			33.8			25.1			17.4			10.2	3.6	120		
125	45.4	46.1		44.6					42.9			39.1			33.7			24.8			17.1			10	3.4	125		
130	44.7	45.4		43.9	44.6				42.4			38.9			33.6			24.6			16.9			9.8	3.2	130		
135	44	44.8		43.3	44.1				41.9	42.2		38.7			33.5			24.3			16.6			9.5		135		
140	43.4	44.1		42.7	43.5				41.4	41.9		38.5	37.3		33.4			24.1			16.4			9.3		140		
145	42.7	43.4		42.1	42.9				40.9	41.6		38.2	37.3		33.3			23.9			16.2			9.1		145		
150	42.1	42.8		41.6	42.4				40.5	41.1		38	37.3		33.1	30.9		23.7			16			8.9		150		
155	41.4	42.3		41	41.8				40	40.7		37.8	37.3		33	30.7		23.5	21.7		15.8			8.7		155		
160	40.9	41.7	42.1	40.5	41.3				39.5	40.2		37.6	37.3		32.8	30.6		23.3	21.5		15.7	14.1		8.5		160		
165	40.4	41.1	41.6	40	40.8				39.1	39.8		37.3	37.1		32.6	30.4		23.1	21.3		15.5	13.9		8.4		165		
170	39.9	40.6	41.1	39.5	40.3	40.1			38.7	39.4		37	37		32.5	30.3		22.9	21.2		15.3	13.8		8.2	6.9	170		
175	39.4	40.1	40.6	39.1	39.9	38.7			38.3	39	16.5	36.8	36.9		32.5	30.2		22.8	21		15.2	13.6		8.1	6.8	175		
180	38.9	39.6	40	38.6	39.4	37.4			38	38.4	34.6	36.5	36.5		32.5	30.1		22.8	20.9		15	13.4		7.9	6.6	180		
185	38.4	39.2	38.7	38.1	39	36.3			37.6	37.6	33.4	36.3	35.3	30.3	32.5	30		22.7	20.8		14.9	13.3		7.8	6.4	185		
190	37.8	38.8	37.4	37.7	38.2	35.1			37.2	36.3	32.3	36	34.1	29.7	32.5	30		22.6	20.7		14.8	13.1		7.6	6.2	190		
195	37.3	38.4	36.2	37.2	37	34			36.8	35.2	31.5	35.8	33	28.9	32.5	30	24.7	22.6	20.6		14.7	13		7.5	6.1	195		
200	36.7	37.5	35	36.7	36	32.9			36.4	34	30.6	35.6	32	27.9	32.5	29.5	24.6	22.5	20.5		14.6	12.8		7.4	5.9	200		
205	35.6	36.3	33.8	36.2	34.9	31.8			36	33	29.6	35.4	31	27	32.5	28.5	24.1	22.5	20.5	18.1	14.6	12.7		7.3	5.8	205		
210	33.2	35	32.6	34.8	33.7	30.7			35.6	32	28.6	35	30.4	26.1	32.5	27.6	23.3	22.5	20.4	18	14.6	12.5		7.3	5.7	210		
215	30.6	33.8	31.5	32.6	32.5	29.6			33.9	31.1	27.7	33.9	29.5	25.3	32.4	27.3	22.5	22.5	20.4	17.9	14.6	12.4	10.3	7.3	5.6	215		
220	27.9	32.6	30.3	30.5	31.4	28.6			32.1	30.1	26.6	32.8	28.5	24.4	31.6	26.6	21.7	22.5	20.4	17.9	14.6	12.2	10.2	7.3	5.5	220		
225	25.2	31.5	29.3	28.2	30.3	27.5			30.3	29	25.7	31.4	27.5	23.4	30.5	25.7	20.9	22.5	20.4	17.9	14.6	12	9.9	7.3	5.3	3.4	225	
230	22.3	30.4	28.3	25.4	29.3	26.5			28.1	28	24.7	30.2	26.5	22.5	29.5	24.8	20	22.5	20.4	17.7	14.5	11.8	9.6	7.3	5.3		230	
235	18	28.5	27.3	22.3	28.3	25.6			25.2	27	23.8	27.9	25.6	21.7	28.4	23.8	19.2	22.5	20.4	16.9	14.3	11.7	9.3	7.3	5.3		235	
240		25.2	26.3		27.3	24.7			26.1	23	24.6	24.6	20.9	27.3	23	18.4		22.5	20.4	16.2	14.3	11.5	9	7.3	5.2		240	
245			25.4		26.4	23.8			25.2	22.1		23.8	20.1		22.1	17.7		22.5	20.4	15.5	13.9	11.3	8.7	7.3	5.2		245	
250			24.6		23	24.3			22.9	21.3		22.9	19.3		21.3	17			19.9	14.8		11.1	8.5	7.3	5.2		250	
255					22.2						20.6		22.1	18.6		20.6	16.3			19.1	14.2		10.9	8.2		5.2		255
260											19.8			17.9		19.8	15.7			18.4	13.6		10.8	7.9		5.2		260
265											19.1			17.2		15				17.7	13		10.6	7.7		5.2		265
270														16.6			14.4				12.4		10.6	7.4		5.2		270
275																	13.8				11.8			7.2		5.2		275
280																	13.3				11.3			7				280
285																					10.9			6.8				285
290																								6.6				290

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 241

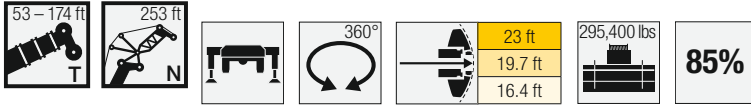


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*		
										241 ft														
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
90	39.8																							90
95	38.6																							95
100	37.4																							100
105	36.3																							105
110	35.2																							110
115	34.1																							115
120	33.1																							120
125	32.1																							125
130	31.1	32.7																						130
135	30.1	31.8																						135
140	29.4	30.8																						140
145	28.6	30																						145
150	27.9	29.1																						150
155	27.1	28.4																						155
160	26.4	27.6																						160
165	25.8	26.9																						165
170	25.2	26.3	27.4																					170
175	24.7	25.7	26.7																					175
180	24.1	25.1	26.1																					180
185	23.6	24.5	25.5																					185
190	23.1	24	24.9																					190
195	22.7	23.6	24.4																					195
200	22.3	23.1	23.9																					200
205	22	22.7	23.4																					205
210	21.6	22.2	23																					210
215	21.2	21.9	22.5																					215
220	21	21.5	22.2																					220
225	20.7	21.2	21.8																					225
230	20.4	20.9	21.4																					230
235	20	20.7	21.1																					235
240	19.2	20.4	20.9																					240
245	17.3	20.2	20.6																					245
250		20.2	20.4																					250
255		19.5	20.3																					255
260			20.2																					260
265																								265
270																								270
275																								275
280																								280
285																								285
290																								290
295																								295
300																								300
305																								305

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 253



	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*	
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	
95	38.2			38.2																		95	
100	37.1			37.2			36.3															100	
105	36.1			36.2			35.6			32.8			27.9									105	
110	35.1			35.3			34.8			32.6			27.9			20.3			13.3			110	
115	34.2			34.3			34			32.2			27.8			20			13.1			6.6	
120	33.2			33.4			33.2			31.6			27.7			19.8			12.9			6.4	
125	32.3			32.4			32.4			31.1			27.5			19.5			12.6			6.2	
130	31.5			31.6			31.5			30.6			27.4			19.3			12.4			6	
135	30.6	32.1		30.7			30.8			30			27.2			19.1			12.2			5.8	
140	29.7	31.1		29.9	31.6		30			29.4			27			18.8			11.9			5.6	
145	29	30.3		29.1	30.8		29.2	31.1		28.9			26.8			18.6			11.7			5.4	
150	28.3	29.5		28.4	30		28.5	30.4		28.3			26.6			18.4			11.5			5.2	
155	27.7	28.8		27.8	29.3		27.9	29.6		27.7	29.1		26.4			18.2			11.3			5	
160	27	28.1		27.1	28.5		27.2	28.9		27.1	28.6		26	24.3		18.1			11.2			4.7	
165	26.3	27.4		26.5	27.8		26.6	28.2		26.5	28.1		25.7	24.2		17.9	16.2		11			4.6	
170	25.7	26.8		25.9	27.2		26	27.6		26	27.6		25.3	24		17.8	16		10.8	9.4		4.4	
175	25.2	26.2	27.2	25.3	26.6		25.4	27		25.4	27.1		25	23.9		17.6	15.9		10.7	9.2		4.2	
180	24.7	25.7	26.6	24.8	26		24.9	26.4		24.8	26.6		24.6	23.8		17.5	15.7		10.5	9.1		4.1	
185	24.3	25.1	26	24.4	25.5	26.6	24.4	25.8		24.4	26		24.3	23.7		17.3	15.5		10.3	8.9		3.9	
190	23.8	24.6	25.5	23.9	25	26.1	24	25.3	26.6	24	25.5		24	23.7		17.3	15.4		10.2	8.7		3.7	
195	23.3	24.1	25	23.4	24.5	25.5	23.5	24.8	26.1	23.6	25		23.7	23.6		17.2	15.3		10.1	8.6		3.6	
200	22.9	23.6	24.5	23	24	25	23.1	24.3	25.5	23.1	24.5	25.4	23.4	23.5		17.2	15.2		10	8.4		3.5	
205	22.5	23.3	24	22.6	23.5	24.5	22.6	23.8	25	22.7	24.1	24.5	23.1	23.4		17.2	15.1		9.9	8.3		3.3	
210	22.2	22.9	23.6	22.3	23.1	24	22.3	23.4	24.6	22.3	23.6	23.7	22.7	23.3	20.7	17.1	15.1		9.8	8.1		3.2	
215	21.9	22.5	23.2	21.9	22.8	23.6	22	23	24.1	22	23.2	23.3	22.4	23.2	20.3	17.1	15	12.8	9.7	8			
220	21.5	22.1	22.8	21.6	22.4	23.2	21.7	22.6	23.6	21.7	22.8	22.7	22.1	23	19.6	17.1	15	12.7	9.7	7.9			
225	21.2	21.8	22.4	21.3	22	22.8	21.3	22.2	23.2	21.4	22.4	21.9	21.8	22.8	18.9	17.1	14.9	12.6	9.7	7.8	6		
230	21	21.5	22.1	21	21.7	22.4	21	21.9	22.8	21.1	22.1	21.2	21.5	22.6	18.6	17.1	14.9	12.6	9.7	7.7	5.9		
235	20.8	21.2	21.7	20.8	21.4	22.1	20.8	21.6	22.4	20.8	21.7	20.5	21.2	22.3	18.5	17.1	14.9	12.5	9.7	7.7	5.7		
240	20.6	20.9	21.4	20.6	21.1	21.8	20.6	21.3	21.9	20.6	21.4	19.8	21	21.8	17.9	17.1	14.9	12.5	9.7	7.6	5.5		
245	19.9	20.7	21.2	20.4	20.9	21.5	20.4	21	21.1	20.4	21.2	19	20.8	21.3	17.2	17.1	14.9	12.5	9.7	7.6	5.4		
250	18.2	20.6	20.9	19.6	20.7	21.2	20.1	20.8	20.3	20.2	20.9	18.3	20.6	20.9	16.5	17.1	14.9	12.5	9.7	7.6	5.3		
255	16.1	20.4	20.7	18.3	20.5	20.9	19.5	20.6	19.6	19.9	20.7	17.6	20.4	20.1	15.8	17.1	14.9	12.5	9.7	7.6	5.3		
260		19.6	20.5		20.3	20.5	18.5	20.4	18.8	19.6	20.4	16.9	20.2	19.4	15.1	17.1	14.9	12.5	9.7	7.6	5.2		
265		18.4	20.4		20.2	19.8		20.2	18.1	18.2	19.7	16.2	20.1	18.6	14.5	17.1	14.9	11.9	9.7	7.6	5.2		
270			20.3		19.6	19.1		20.1	17.5		19	15.6		17.9	13.9		14.9	11.4	9.3	7.6	5.2		
275			19.9			18.4		19.6	16.8		18.3	15		17.3	13.3		14.9	11		7.5	5.2		
280						17.7			16.2		17.7	14.4		16.6	12.7		14.8	10.6		7.4	5.1		
285									15.6			13.8			16	12.2		14.3	10.2		7.4	5.1	
290												13.2			11.6		13.7	9.8		7.4	5		
295												12.7						9.4			4.8		
300															10.8			9			4.6		
305																		8.6			4.4		
310																		8.3			4.2		
315																					4.1		

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 264



295,400 lbs

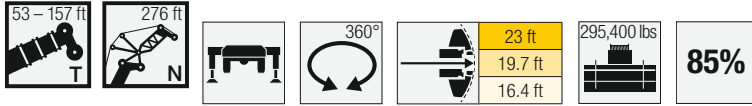
85%

	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*	
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	
100	34.2			33.6																			100
105	33.3			32.9			31.6			29.1													105
110	32.5			32.2			31			28.8			24.6			17.2							110
115	31.7			31.4			30.4			28.5			24.4			16.9			10.6				115
120	30.8			30.7			29.9			28.1			24.1			16.7			10.4			4.4	120
125	30			30			29.3			27.6			23.8			16.4			10.1			4.2	125
130	29.3			29.3			28.7			27.2			23.5			16.2			9.9			4	130
135	28.6			28.6			28.2			26.8			23.3			15.9			9.7			3.8	135
140	27.9	29		28			27.6			26.3			23			15.7			9.4			3.5	140
145	27.2	28.3		27.3	28.6		27.1			25.9			22.8			15.5			9.2			3.3	145
150	26.6	27.7		26.6	28		26.6	27.5		25.5			22.6			15.3			9			3.1	150
155	26	27		26.1	27.4		26	27		25.1			22.4			15			8.8				155
160	25.5	26.4		25.6	26.8		25.5	26.6		24.7	25.5		22.1			14.8			8.6				160
165	25	25.8		25	26.2		25.1	26.1		24.3	25.1		22	20.2		14.6			8.4				165
170	24.4	25.3		24.5	25.6		24.6	25.6		23.9	24.7		21.8	20.1		14.4	13		8.2				170
175	23.9	24.8		24	25.1		24.1	25.2		23.5	24.4		21.7	19.9		14.2	12.8		8	6.8			175
180	23.5	24.3	25.1	23.5	24.6		23.6	24.7		23.2	24		21.5	19.7		14.1	12.6		7.8	6.6			180
185	23.1	23.8	24.6	23.1	24.1		23.1	24.3		22.8	23.7		21.3	19.5		13.9	12.4		7.6	6.4			185
190	22.7	23.4	24.1	22.7	23.7	24.6	22.8	23.8		22.4	23.3		21.2	19.4		13.7	12.2		7.4	6.2			190
195	22.3	23	23.7	22.4	23.3	24.1	22.4	23.4		22.2	23		21	19.3		13.6	12.1		7.3	6			195
200	21.9	22.6	23.2	22	22.9	23.7	22	23	23.8	21.9	22.6		20.8	19.2		13.5	11.9		7.1	5.8			200
205	21.5	22.2	22.9	21.6	22.4	23.3	21.7	22.7	23.5	21.6	22.6	22.9	20.6	19.1		13.4	11.8		7	5.7			205
210	21.3	21.9	22.5	21.3	22	22.9	21.3	22.3	23.1	21.3	22	22.6	20.5	19		13.3	11.6		6.9	5.5			210
215	21	21.5	22.1	21	21.7	22.5	21	21.9	22.8	20.9	21.7	21.9	20.3	19	16.6	13.2	11.6		6.8	5.4			215
220	20.7	21.2	21.8	20.8	21.4	22.1	20.8	21.6	22.4	20.7	21.4	21.2	20.1	18.9	16.4	13.1	11.5	9.5	6.6	5.2			220
225	20.5	20.9	21.5	20.5	21.1	21.8	20.5	21.3	22.1	20.5	21.2	20.4	19.9	18.9	16.4	13.1	11.4	9.4	6.5	5.1			225
230	20.2	20.6	21.1	20.2	20.8	21.5	20.3	21	21.7	20.2	20.9	19.7	19.8	18.9	16.4	13.1	11.3	9.3	6.5	5			230
235	20	20.4	20.9	20	20.5	21.2	20	20.7	21.4	20	20.7	19.1	19.6	18.9	16.4	13.1	11.2	9.2	6.5	4.9	3.4		235
240	19.8	20.2	20.6	19.8	20.3	20.9	19.8	20.4	20.9	19.8	20.5	18.6	19.4	18.9	16.1	13.1	11.2	9.1	6.4	4.7	3.2		240
245	19.6	20	20.4	19.7	20.1	20.6	19.6	20.2	20.4	19.6	20.2	18.6	19.2	18.9	15.6	13.1	11.2	9	6.4	4.6			245
250	19.4	19.8	20.1	19.5	19.9	20.4	19.5	20	19.8	19.4	20	18.3	19.1	18.9	15	13.1	11.2	9	6.4	4.6			250
255	18.9	19.7	20	19.4	19.7	20.1	19.4	19.8	19	19.3	19.8	17.6	19	18.9	14.5	13.1	11.2	8.9	6.4	4.6			255
260	17	19.6	19.8	18.6	19.6	19.9	19.1	19.6	18.3	19.2	19.6	16.9	18.9	18.3	14.5	13.1	11.2	8.9	6.4	4.5			260
265	14.8	19.4	19.6	17	19.5	19.3	18.3	19.5	17.6	18.9	19.2	16.2	18.8	17.6	14	13.1	11.2	8.9	6.4	4.5			265
270		18.6	19.5	14.8	19.4	18.6	17	19.4	17	18.1	19	15.5	18.7	16.9	13.4	13.1	11.2	8.9	6.4	4.5			270
275		17.1	19.3		18.9	17.9		19.1	16.3	17.4	18.3	14.9	18.4	16.8	12.8	13.1	11.2	8.9	6.4	4.5			275
280			18.7		18	17.3		18.5	15.7		17.6	14.3		16.2	12.2	13.1	11.2	8.9	6.4	4.5			280
285			18		16.6	17.8		15.1	16.9	13.7		15.6	11.7			11.2	8.9		4.5				285
290					16			14.5		16.3	13.1		15	11.2			11.2	8.9		4.5			290
295								13.9			12.6		14.4	10.8			11.2	8.9		4.5			295
300								13.4			12.1			10.4			11.2	8.6		4.5			300
305											11.5			10				8.3		4.5			305
310														9.6				7.9					310
315																		7.6					315
320																		7.2					320

\* adapter - piece d'adaptateur

# Lifting capacities Forces de levage

TN 276



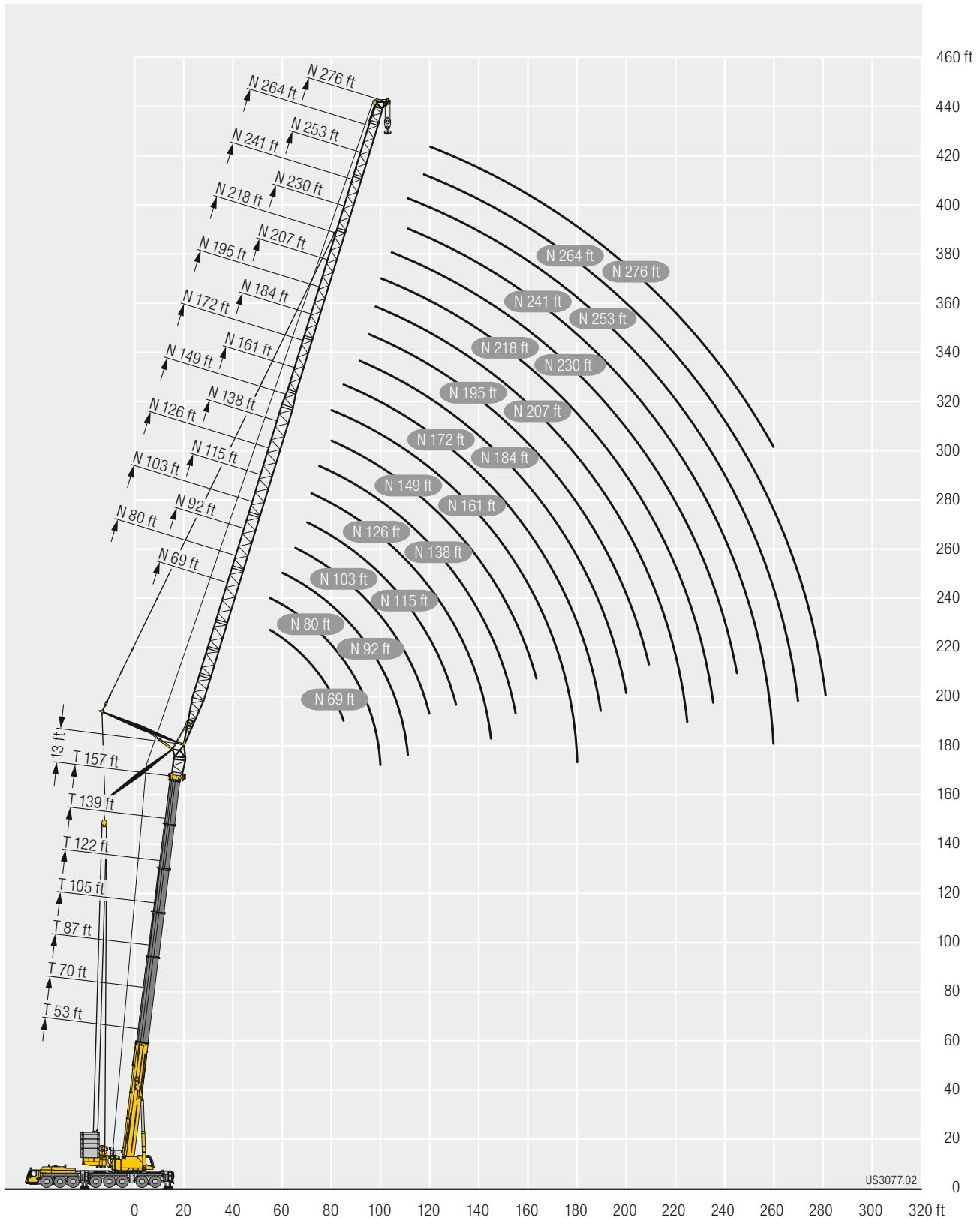
	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°		
100	32.1																				100	
105	31.5			30.8			29.5															105
110	30.9			30.2			29			26.1			21.2									110
115	30.2			29.6			28.5			26.1			21			14.2						115
120	29.6			29			28			25.9			20.7			13.9			8			120
125	28.9			28.5			27.5			25.7			20.4			13.6			7.7			125
130	28.3			27.9			27			25.4			20.1			13.4			7.5			130
135	27.7			27.3			26.5			25.1			19.8			13.1			7.3			135
140	27.2			26.8			26.1			24.7			19.5			12.8			7			140
145	26.6	27.3		26.3			25.6			24.4			19.2			12.6			6.8			145
150	26	26.8		25.8	26.5		25.2			24.1			19			12.3			6.6			150
155	25.5	26.2		25.3	26.1		24.7	25.5		23.7			18.7			12.1			6.4			155
160	25.1	25.7		24.8	25.6		24.3	25.1		23.4			18.5			11.9			6.2			160
165	24.6	25.2		24.4	25.1		23.9	24.7		23	22.3		18.2			11.6			5.9			165
170	24.2	24.8		24	24.7		23.5	24.3		22.7	22.1		18	16.6		11.4			5.7			170
175	23.7	24.3		23.6	24.3		23.2	23.9		22.4	21.9		17.8	16.4		11.2	10		5.5			175
180	23.2	23.9		23.2	23.9		22.8	23.5		22.1	21.7		17.6	16.2		11	9.8		5.3	4.2		180
185	22.8	23.5		22.8	23.5		22.4	23.2		21.8	21.5		17.3	15.9		10.8	9.5		5.1	4		185
190	22.5	23.1	23.6	22.4	23.1		22	22.8		21.5	21.3		17.1	15.7		10.6	9.4		4.9	3.8		190
195	22.1	22.7	23.2	22.1	22.7	23.2	21.7	22.5		21.2	21.1		16.9	15.5		10.4	9.2		4.7	3.7		195
200	21.8	22.4	22.8	21.7	22.4	22.9	21.5	22.1		21	20.9		16.7	15.4		10.2	9		4.5	3.5		200
205	21.5	22	22.5	21.4	22	22.6	21.2	21.8	22.3	20.8	20.8		16.6	15.2		10.1	8.8		4.4	3.3		205
210	21.1	21.7	22.1	21.1	21.7	22.2	20.9	21.5	22	20.5	20.6	18.6	16.5	15		9.9	8.6		4.2	3.1		210
215	20.8	21.4	21.8	20.8	21.4	21.9	20.6	21.2	21.7	20.3	20.5	18.4	16.4	14.9		9.8	8.5		4			215
220	20.6	21.1	21.5	20.5	21.1	21.6	20.3	21	21.4	20	20.4	18.3	16.2	14.8	12.9	9.6	8.3		3.9			220
225	20.3	20.8	21.2	20.3	20.8	21.3	20.1	20.7	21.2	19.8	20.3	18.2	16.1	14.6	12.7	9.5	8.2		3.7			225
230	20.1	20.6	20.9	20.1	20.6	21	19.9	20.4	20.8	19.6	20.1	18.1	16.1	14.5	12.6	9.3	8.1	6.4	3.6			230
235	19.9	20.3	20.7	19.9	20.3	20.8	19.7	20.2	20.4	19.5	20	18.1	16.1	14.4	12.4	9.3	7.9	6.3	3.5			235
240	19.7	20.1	20.4	19.7	20.1	20.5	19.5	20	19.7	19.3	19.8	17.9	16.1	14.3	12.4	9.3	7.8	6.2	3.4			240
245	19.3	19.9	20.2	19.5	19.9	20.3	19.3	19.8	19.1	19.1	19.6	17.3	16.1	14.3	12.3	9.2	7.7	6	3.3			245
250	18.7	19.7	20	19.2	19.7	20	19.1	19.6	18.7	18.9	19.4	16.7	16.1	14.3	12.2	9.2	7.6	5.9	3.2			250
255	18.1	19.5	19.8	18.9	19.5	19.8	19.1	19.4	18.6	18.8	19.2	16.1	16.1	14.3	12.1	9.2	7.5	5.8	3.2			255
260	17.5	19.4	19.6	18.6	19.4	19.3	19	19.3	18	18.7	19.1	15.5	16.1	14.3	12.1	9.2	7.4	5.7	3.1			260
265	16.9	19.2	19.5	18.4	19.2	18.5	18.9	19.1	17.3	18.7	18.6	14.9	16.1	14.3	12.1	9.2	7.4	5.6				265
270	15.1	19.1	19.3	17.7	19.1	17.8	18.7	18.9	16.6	18.6	17.9	14.2	16.1	14.3	11.7	9.2	7.3	5.5				270
275	13.2	19	18.7	15.6	19.1	17.2	17.6	18.7	16	18.3	17.3	14.1	16.1	14.3	11.3	9.2	7.3	5.5				275
280	10.6	18	18	13.4	18.8	16.5	16.1	18.1	15.4	17.2	16.6	13.6	16.1	14.3	10.8	9.2	7.3	5.5				280
285		15.6	17.3		18.2	15.9	13.7	17.5	14.7	15.9	16.2	13	16.1	14.3	10.5	9.2	7.3	5.4				285
290			16.7		16.6	15.3		16.8	14.2		15.7	12.4	15.3	13.7	10.5	9.2	7.3	5.4				290
295			16.1		14.1	14.7		16.2	13.6		15	11.9		13.1	10.2		7.3	5.4				295
300						14.2			13		14.4	11.4		12.6	9.8		7.3	5.4				300
305						13.6			12.5			11		12.5	9.5		7.3	5.4				305
310									11.9			10.6			9.1		7.3	5.4				310
315												10.2			8.7			5.4				315
320															8.4			5.4				320
325															8			5.4				325
330																		5.4				330

\* adapter - piece d'adaptateur



# Lifting heights Hauteurs de levage

TN



US3077.02

# Equipment Équipement

## 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 2331 lbs-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 interarder, 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 – “Niveau-matik 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, interarder 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, 2 batteries of 180 Ah each.

## 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 lbs Hydraulic ballasting device.



## Operating modes

<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

## Additional equipment

<b>2<sup>nd</sup> hoist gear</b>	For the 2 hook 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.

The pictures contain also accessories and special equipment not included in the standard scope of delivery.

# Equipment 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. 2331 lbs-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 silentbloks, vitrage de sécurité.
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 180 Ah chacune.

## 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 lbs Dispositif de lestage hydraulique.

## Modes de fonctionnement

<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>	Flechette treillis à volée variable 46 ft – 276 ft
<b>H</b>	Flechette auxiliaire 5 ft

## Équipement supplémentaire































<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.

Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

# Description of symbols Explication des symboles

## General symbols/Symboles généraux

	Max. capacity Capacité max.		infinitely variable en continu
	Max. hoist height Hauteur de levage max.		Rope diameter Diamètre
	Max. radius Portée max.		Rope length Longueur du câble
	Tyres Pneumatiques		Max. single line pull Effort au brin maxi.
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Hoist gear Treuil de levage
	No. of sheaves Poulies		Slewing speeds Vitesses d'orientation
	No. of lines Brins		Boom length Longueur de la flèche
	Weight Poids		Boom position Position de la flèche
	Crane carrier Châssis porteur		Counterweight Contrepoids
	Driving speed Vitesse de translation		Axle Essieu
	Gradability Aptitude à gravir les pentes		Page Page
	Transmission Boîte de vitesse		Outriggers Calage
	Gear Vitesse		Slewing gear / Working area Mécanisme d'orientation / Plage de travail
	Driving speed – Onroad gear Vitesse de translation – Vitesse de route		Standard Norme
	Crane superstructure Partie tournante de la grue		Radius Portée

## Crane specific symbols/Symboles spécifiques à la grue

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Telescopic boom  
Flèche télescopique



Fixed lattice jib  
Fléchette treillis fixe



Swing away jib  
Fléchette pliante



Luffing fly jib  
Fléchette treillis à volée variable

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## 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 kips.
5. The weight of the hook blocks and hooks 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 lbs/527,600 lbs 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.

## 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 forces de levage sont données en kips.
5. Les poids des mouffes et crochets doit être soustrait des charges indiquées.
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 lbs/527,600 lbs seulement avec moufle additionnel/équipement 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.

### Proposition 65



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

Subject to modification / Sous réserve de modifications