

# BAY CRANE

## 550T LIEBHERR LTM1450 8.1



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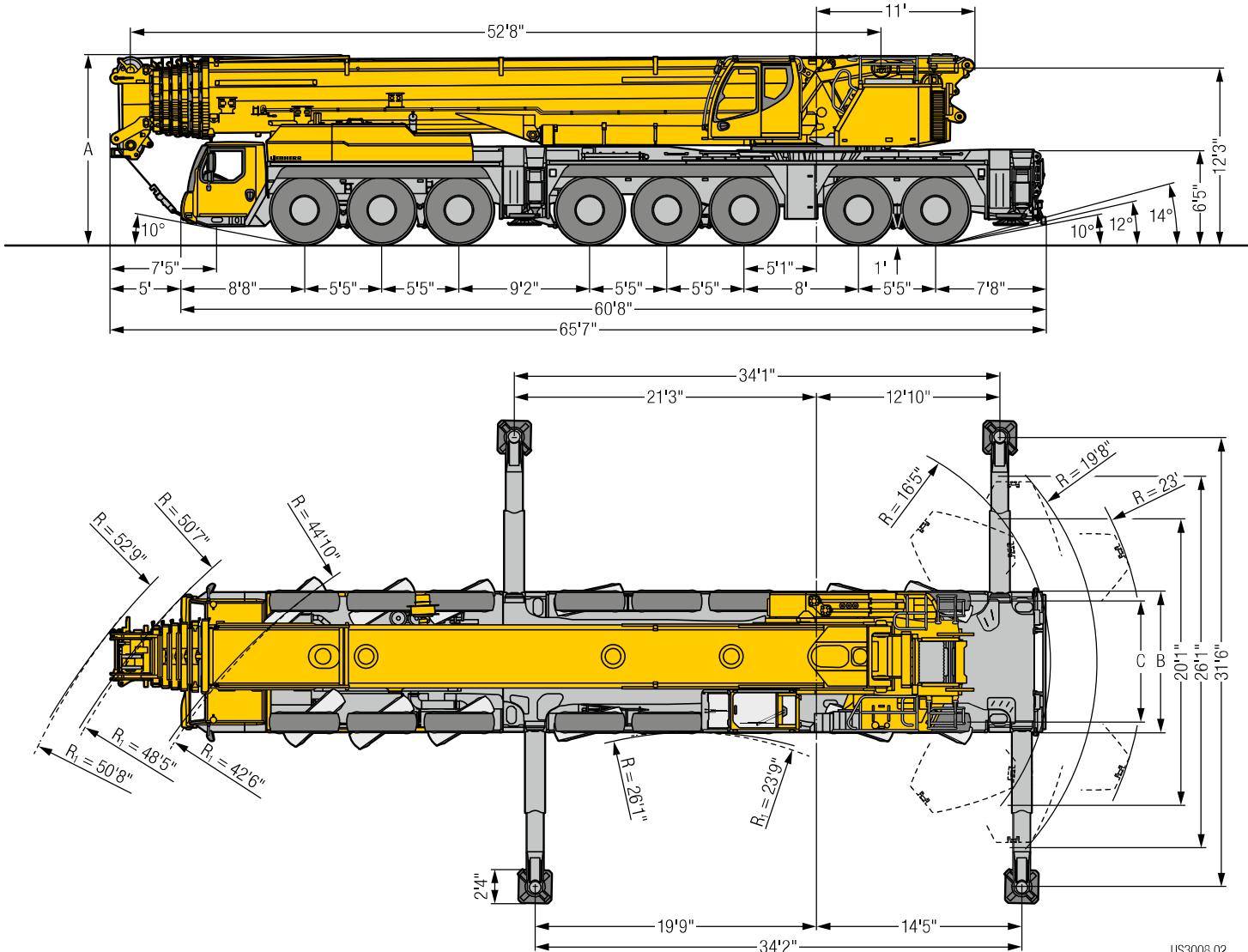
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# Dimensions



## Dimensions

	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

# Mobile Crane

## LTM 1450-8.1



279 ft



46 ft – 276 ft



46 ft – 184 ft

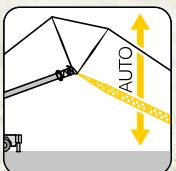
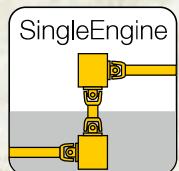
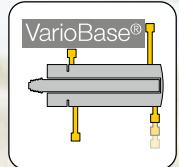


23 ft – 115 ft



VarioBallast  
295,400 lbs

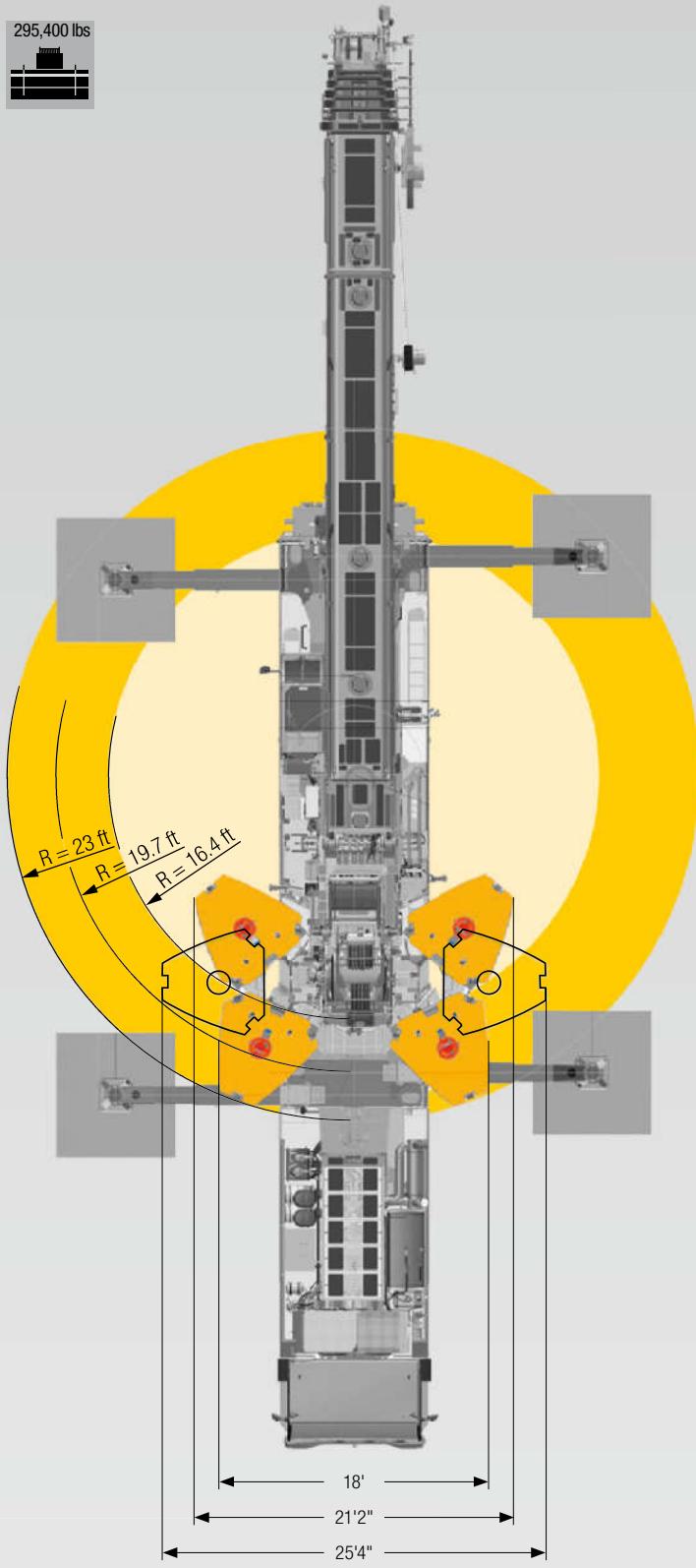
### €COmode



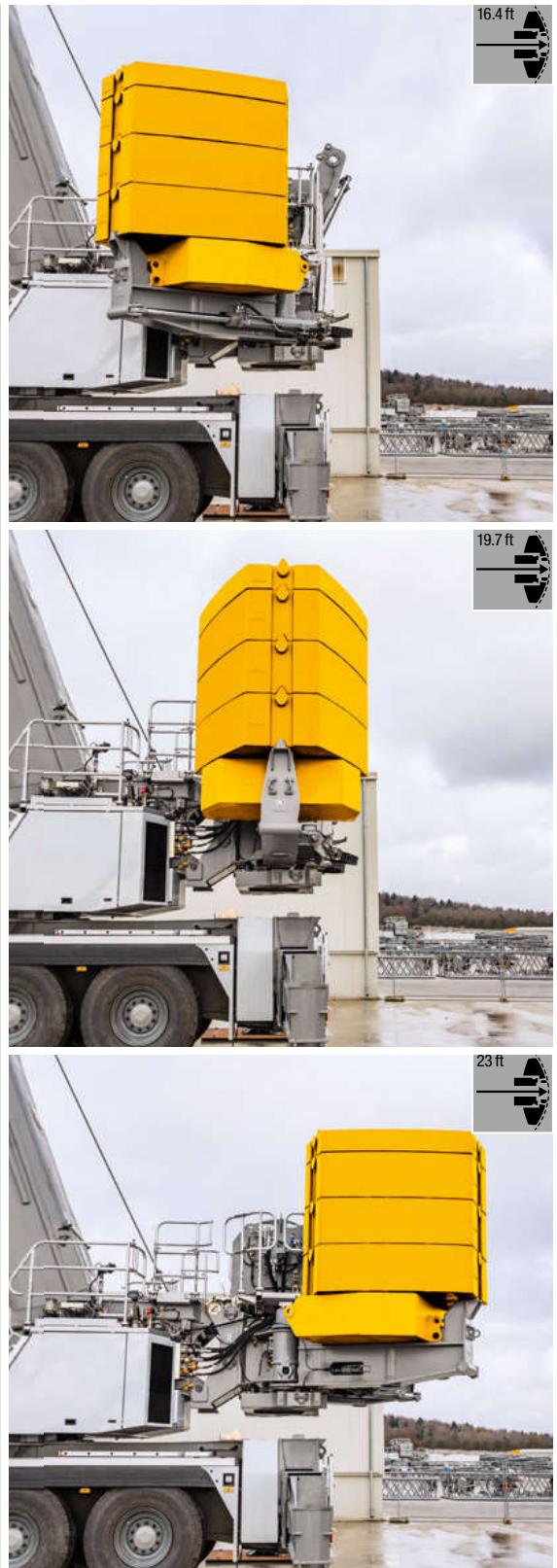


# VarioBallast

295,400 lbs



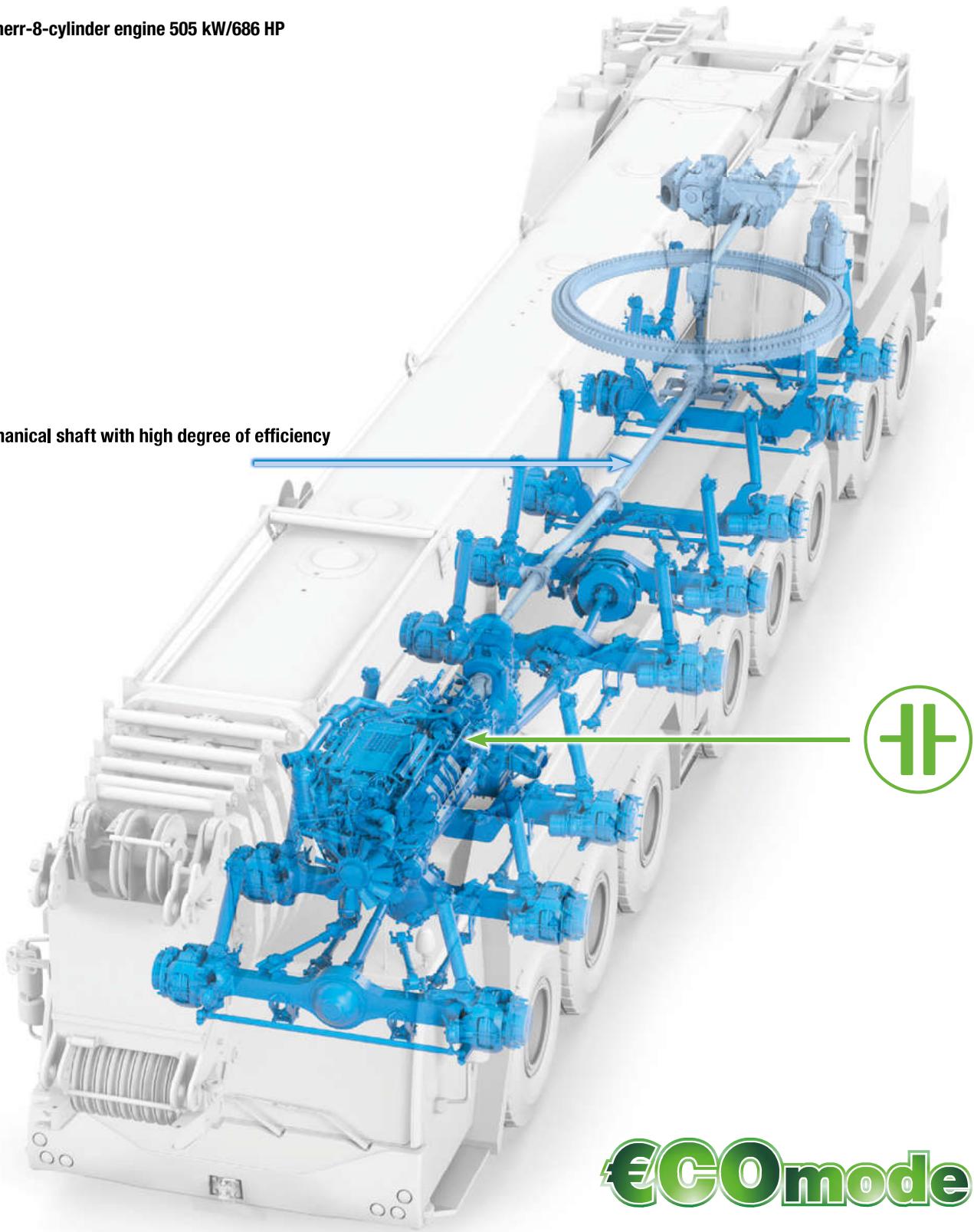
S3079



# Liebherr Single-Engine Concept

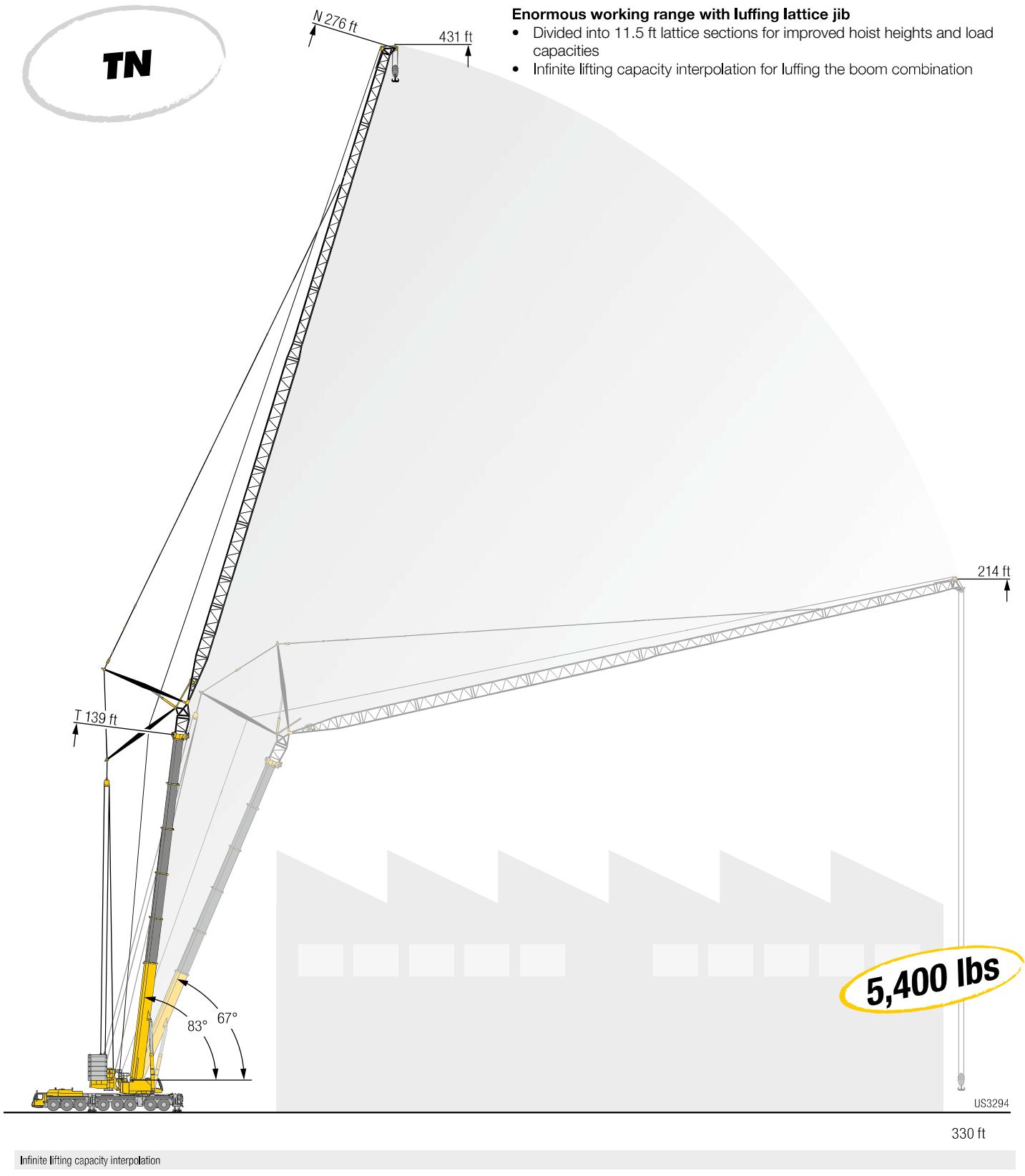
Liebherr-8-cylinder engine 505 kW/686 HP

Mechanical shaft with high degree of efficiency

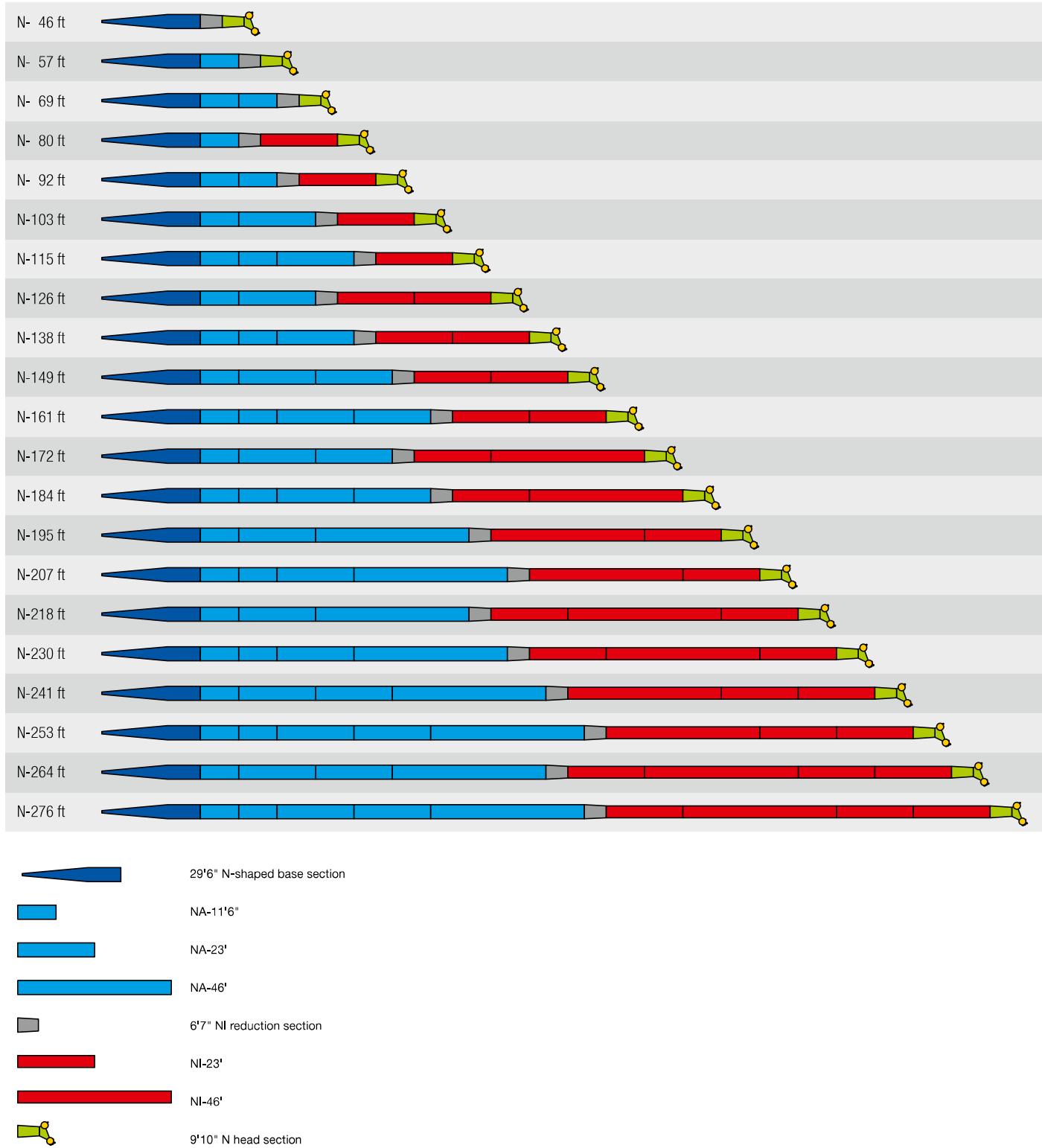


**€COmode**

# Variable boom systems

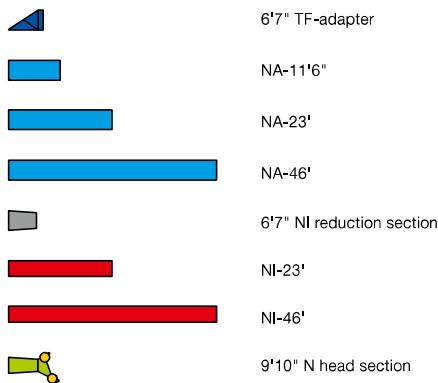
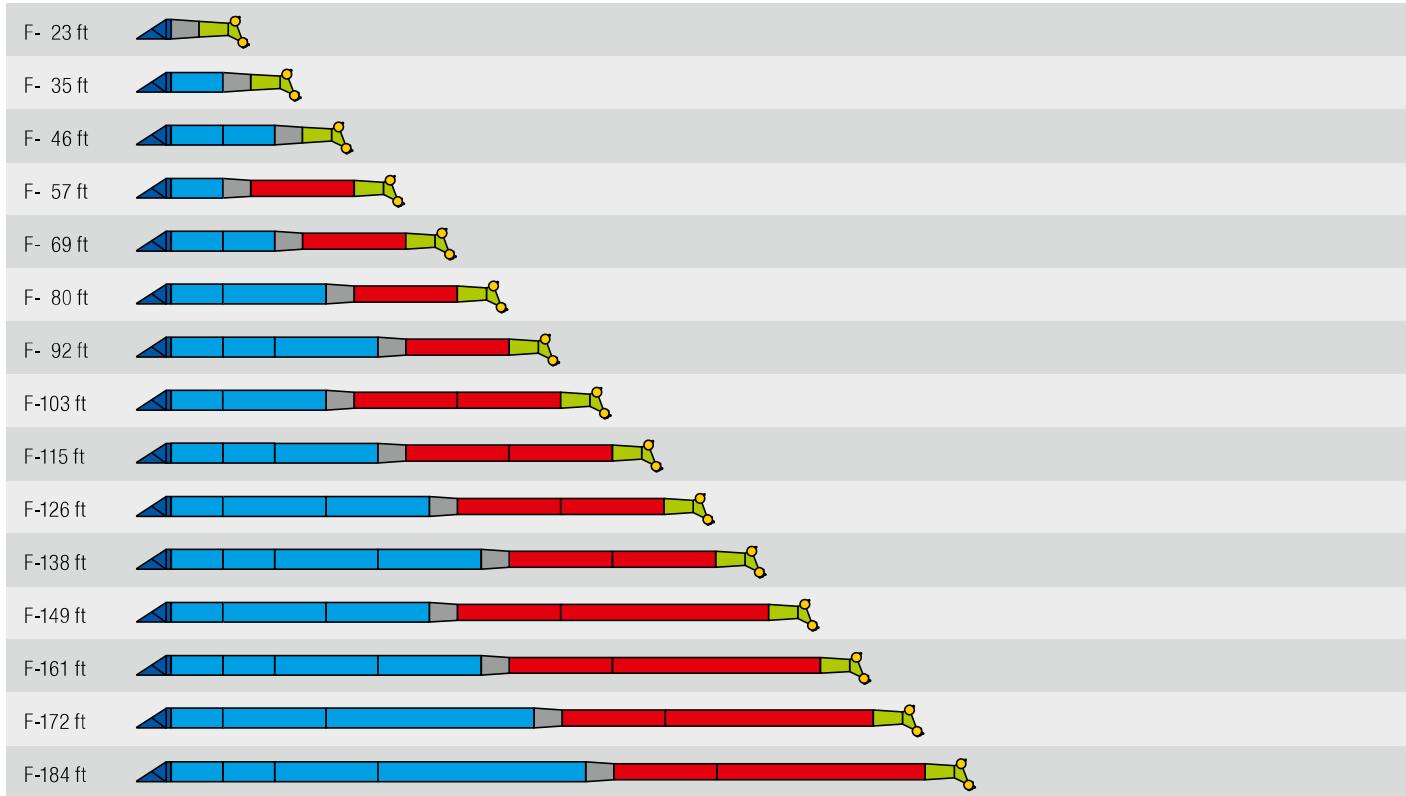


# Boom/jib combinations – Luffing fly jib

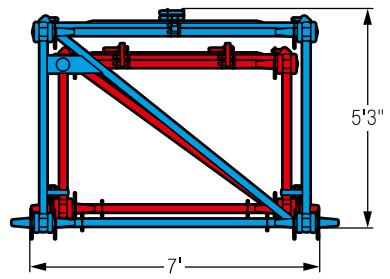
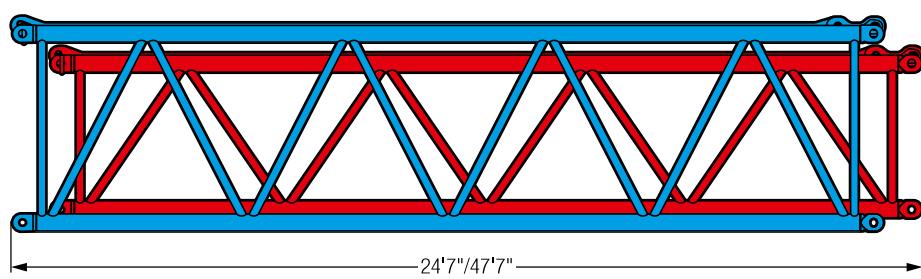


US3070

# Boom/jib combinations – Fixed fly jib



US3068



US3069

# Boom/jib combinations

- T** Telescopic boom
- K** Swing away jib
- F** Fixed lattice jib
- N** Luffing fly jib
- H** Auxiliary jib



**T**  
15 – 21

**TK**  
22 – 37

**TFH**  
38 – 76

**TNH**  
77 – 97

S3012.01

# Weights Poids

## Hook block

			
526,400 lbs	11	22	8,160 lbs
443,100 lbs	9	18	7,275 lbs
377,000 lbs	7	15	7,715 lbs
284,800 lbs	5	11	6,835 lbs
186,700 lbs	3	7	5,730 lbs
82,500 lbs	1	3	3,090 lbs
27,600 lbs	—	1	1,545 lbs

## Working speeds

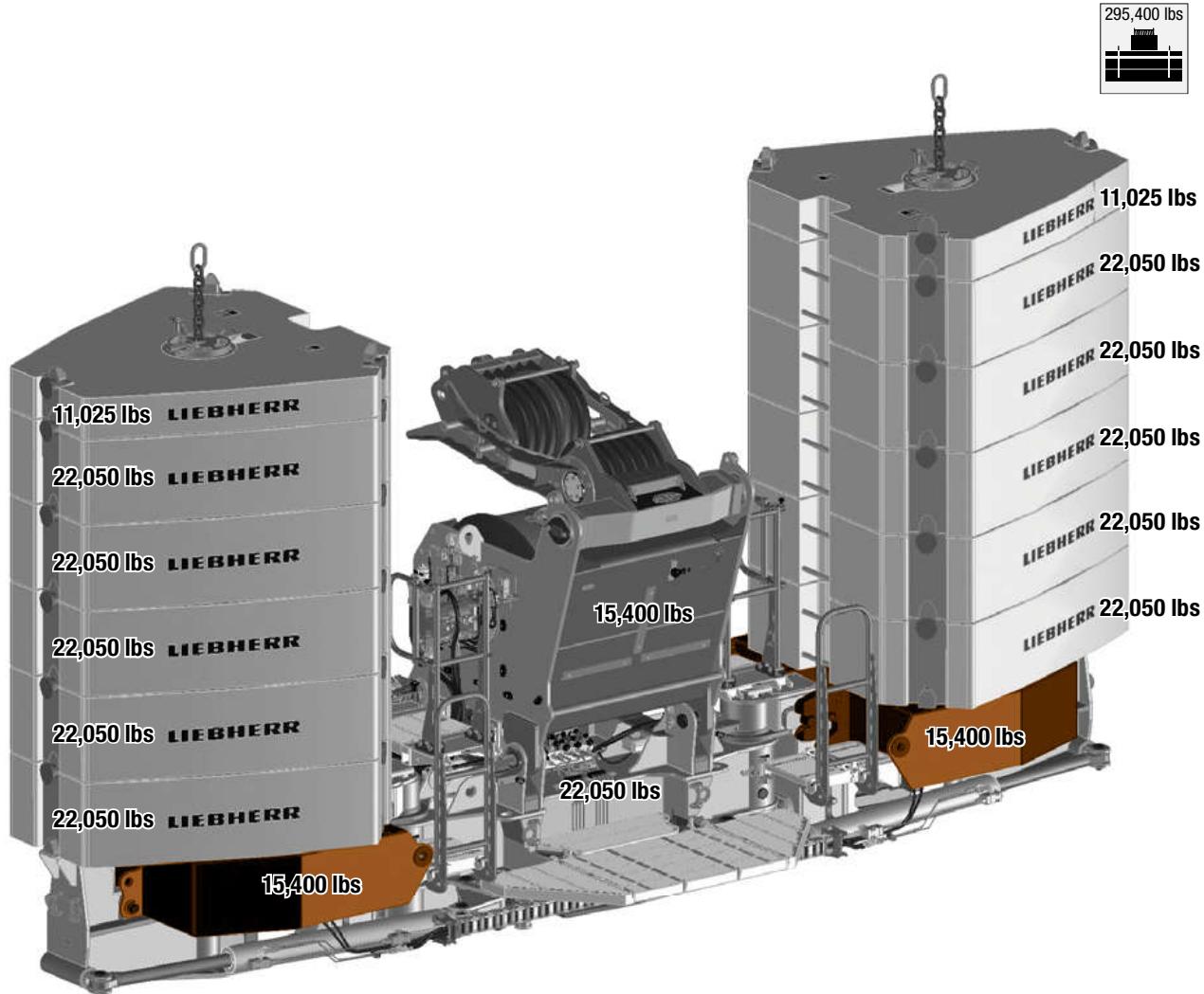
## Crane carrier

	 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

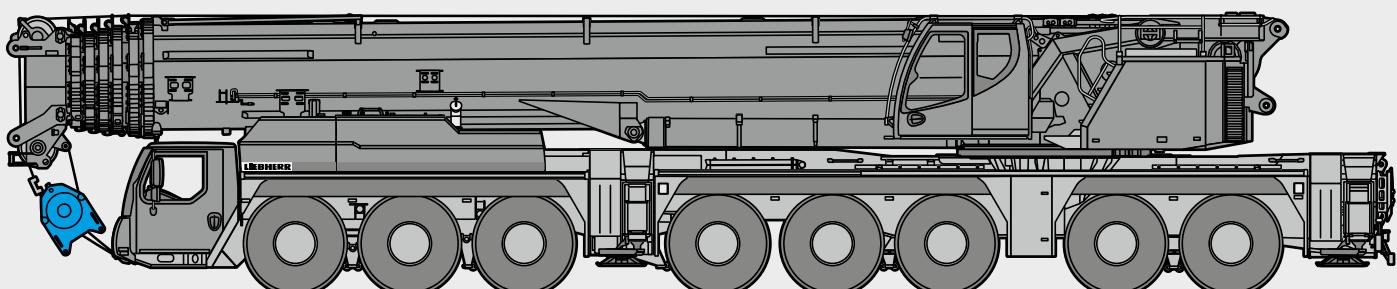
	 max			
 ①	0 – 446 ft/min single line	0.98"	1705 ft	28,325 lbs
 ②	0 – 502 ft/min single line	0.98"	3477 ft	28,325 lbs
	0 – 1.3 rpm			
	approx. 80 seconds to reach 83.5° boom angle			
	approx. 731 seconds for boom extension from 53 ft – 279 ft			

# Counterweight



## Axle Essieu

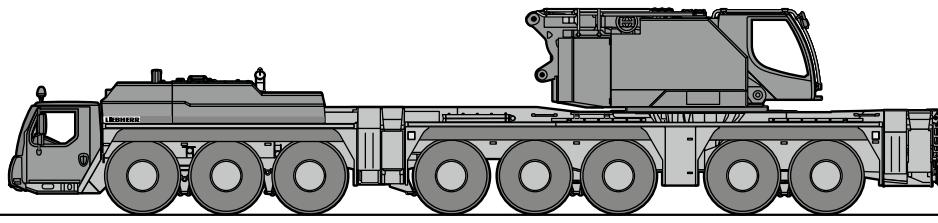
	1	2	3	4	5	6	7	8	
lbs	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	211,200 <sup>1)</sup>



S3071

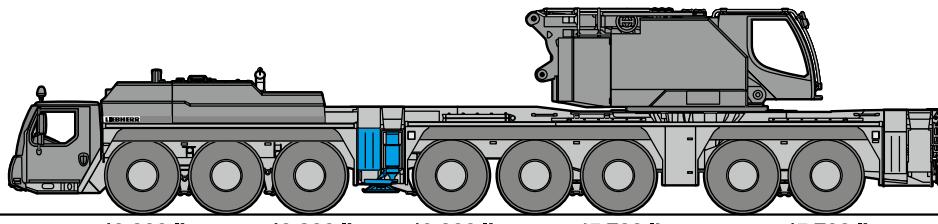
# On-road driving

< 105,100 lbs



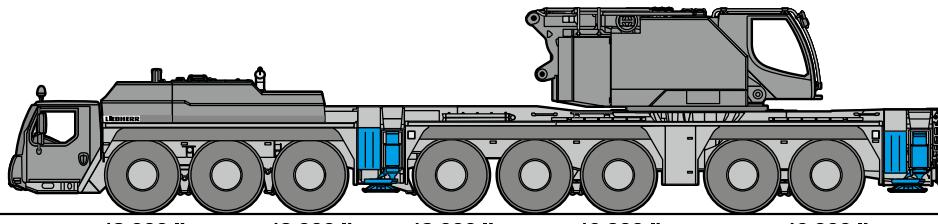
$\leq 11,700 \text{ lbs}$     $\leq 11,700 \text{ lbs}$     $\leq 11,700 \text{ lbs}$     $\leq 15,200 \text{ lbs}$     $\leq 15,200 \text{ lbs}$   
 $\leq 11,700 \text{ lbs}$     $\leq 15,200 \text{ lbs}$     $\leq 15,200 \text{ lbs}$

< 112,800 lbs



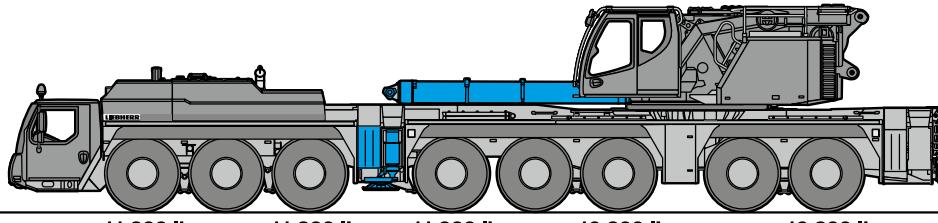
$\leq 13,200 \text{ lbs}$     $\leq 13,200 \text{ lbs}$     $\leq 13,200 \text{ lbs}$     $\leq 15,700 \text{ lbs}$     $\leq 15,700 \text{ lbs}$   
 $\leq 13,200 \text{ lbs}$     $\leq 15,700 \text{ lbs}$     $\leq 15,700 \text{ lbs}$

< 123,400 lbs



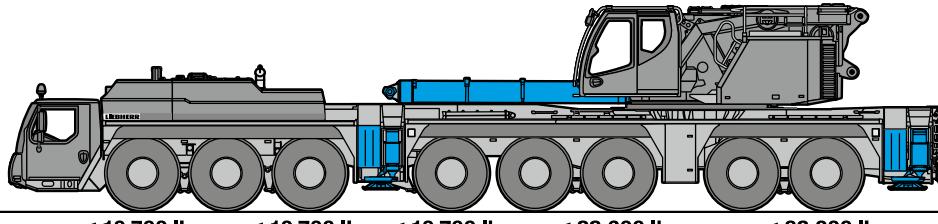
$\leq 12,000 \text{ lbs}$     $\leq 12,000 \text{ lbs}$     $\leq 12,000 \text{ lbs}$     $\leq 19,300 \text{ lbs}$     $\leq 19,300 \text{ lbs}$   
 $\leq 12,000 \text{ lbs}$     $\leq 19,300 \text{ lbs}$     $\leq 19,300 \text{ lbs}$

< 121,900 lbs



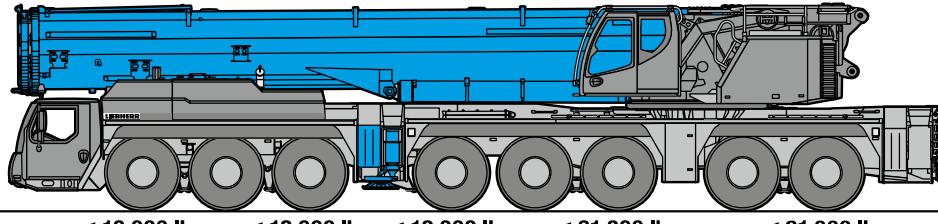
$\leq 11,800 \text{ lbs}$     $\leq 11,800 \text{ lbs}$     $\leq 11,800 \text{ lbs}$     $\leq 19,200 \text{ lbs}$     $\leq 19,200 \text{ lbs}$   
 $\leq 11,800 \text{ lbs}$     $\leq 19,200 \text{ lbs}$     $\leq 19,200 \text{ lbs}$

< 131,800 lbs



$\leq 10,700 \text{ lbs}$     $\leq 10,700 \text{ lbs}$     $\leq 10,700 \text{ lbs}$     $\leq 22,600 \text{ lbs}$     $\leq 22,600 \text{ lbs}$   
 $\leq 10,700 \text{ lbs}$     $\leq 22,600 \text{ lbs}$     $\leq 22,600 \text{ lbs}$

< 155,800 lbs

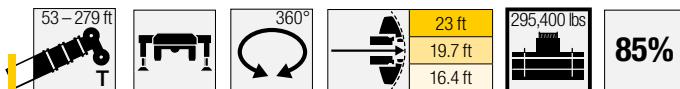


$\leq 18,000 \text{ lbs}$     $\leq 18,000 \text{ lbs}$     $\leq 18,000 \text{ lbs}$     $\leq 21,300 \text{ lbs}$     $\leq 21,300 \text{ lbs}$   
 $\leq 18,000 \text{ lbs}$     $\leq 21,300 \text{ lbs}$     $\leq 21,300 \text{ lbs}$

US3226

# Lifting capacities

T

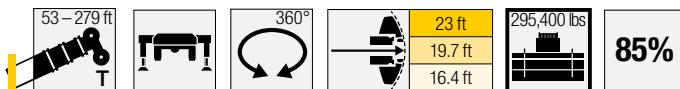


	53 ft	70 ft	87 ft	105 ft	108 ft	122 ft	139 ft	145 ft	157 ft	163 ft	174 ft	183 ft	191 ft	
*														
10	992.1	444.3	426.4											10
11	747.3	444.3	427.4											11
12	527.6	444.3	428.5	415.7										12
13	527.6	444.3	429.7	416.7										13
14	527.6	444.3	431.2	417.7	361.1									14
15	527.6	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
85						102.2	55.5	105.1	103.4	48.8	95	45.4	83.3	45.8
90						94.8	52.2	97.6	95.9	46.5	88.5	42.5	79.9	43.6
95						88.3	49.5	90.9	89.1	44.2	83.3	39.6	76.6	41.5
100						67.2	47	85	83.1	41.9	78.9	37.4	73.2	39.3
105								79.6	77.7	39.6	74.4	35.5	70.1	37.1
110									74.8	72.7	37.7	69.9	33.6	67.2
115									69.9	68.2	36.1	65.6	31.7	64.4
120										64	34.5	61.4	29.9	61.6
125										60.3	33	57.6	28.5	58.7
130										57	31.8	55.1	27.2	56
135											30.6	53.2	25.9	53.2
140											30	51.9	24.5	50.1
145												50.1	23.5	47.3
150												43.7	22.5	44.6
155													21.6	23.4
160													39.9	22.4
165													37.8	21.7
170														21
175														34.1
180														30.8
185														25.9

\* over rear

# Lifting capacities

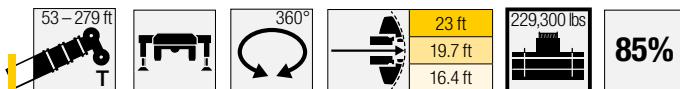
T



	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	100	39.1	54	39.9	48.5	39.7	36	42.6	39.3	35.5	38	36.4	33.8	31.1	
	105	37.3	52	38.3	46.4	38.2	34.4	41	38	34.2	36.4	35	32.6	29.8	
	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	
	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	
	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	
	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	
	130	29.3	41.9	31	38.4	31.6	27.6	34.1	32.1	28.1	28.7	28	26.7	24	
	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	
	140	26.9	38.8	28.7	35.3	29	25.1	31.7	30	26	26.2	25.7	24.6	22	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	180	19	28	21.2	26	20.5	16.6	23.2	22.2	18.6	17.1	17.2	16.4	15	
	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	
	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	
	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

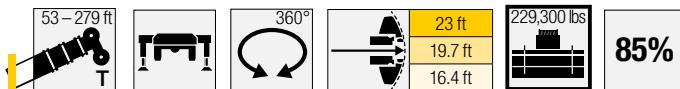
T



	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
85					91.8	55.5	90.7	88.8	48.8	84.5	45.4	83.3	45.8	71
90						84.7	52.2	83.5	81.7	46.5	78.1	42.5	78.9	43.6
95						78.6	49.5	77.2	75.3	44.2	72.3	39.6	73.7	41.5
100						67.2	47	71.6	69.6	41.9	69.2	37.4	68.6	39.3
105								66.4	64.2	39.6	66.3	35.5	64	37.1
110								61.6	59.3	37.7	62.3	33.6	59.4	35.2
115								57.4	56.1	36.1	57.7	31.7	55	33.5
120									53.9	34.5	53.7	29.9	50.9	32.1
125									52.2	33	50.1	28.5	47.3	30.6
130									49.2	31.8	46.8	27.2	44	29.1
135										30.6	43.8	25.9	41.6	27.7
140										30	41	24.5	39.9	26.6
145											38.5	23.5	37.9	25.5
150											36.4	22.5	35.6	24.5
155												21.6	33.4	23.4
160												31.4	22.4	30.3
165												29.6	21.7	29.1
170													21	28.1
175													20.4	27.1
180													25.6	18.0
185													24.3	18.5

# Lifting capacities

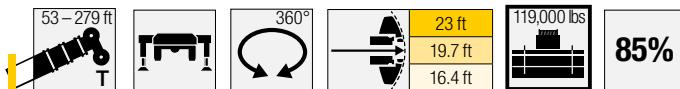
T



	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

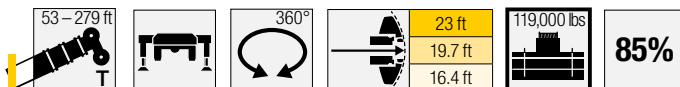
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	53 ft	70 ft	87 ft	105 ft	108 ft	122 ft	139 ft	145 ft	157 ft	163 ft	174 ft	183 ft	191 ft			
10	444.3	426.4												10		
11	444.3	427.4												11		
12	444.3	428.5	415.7											12		
13	444.3	429.7	416.7											13		
14	444.3	431.2	417.7	361.1										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

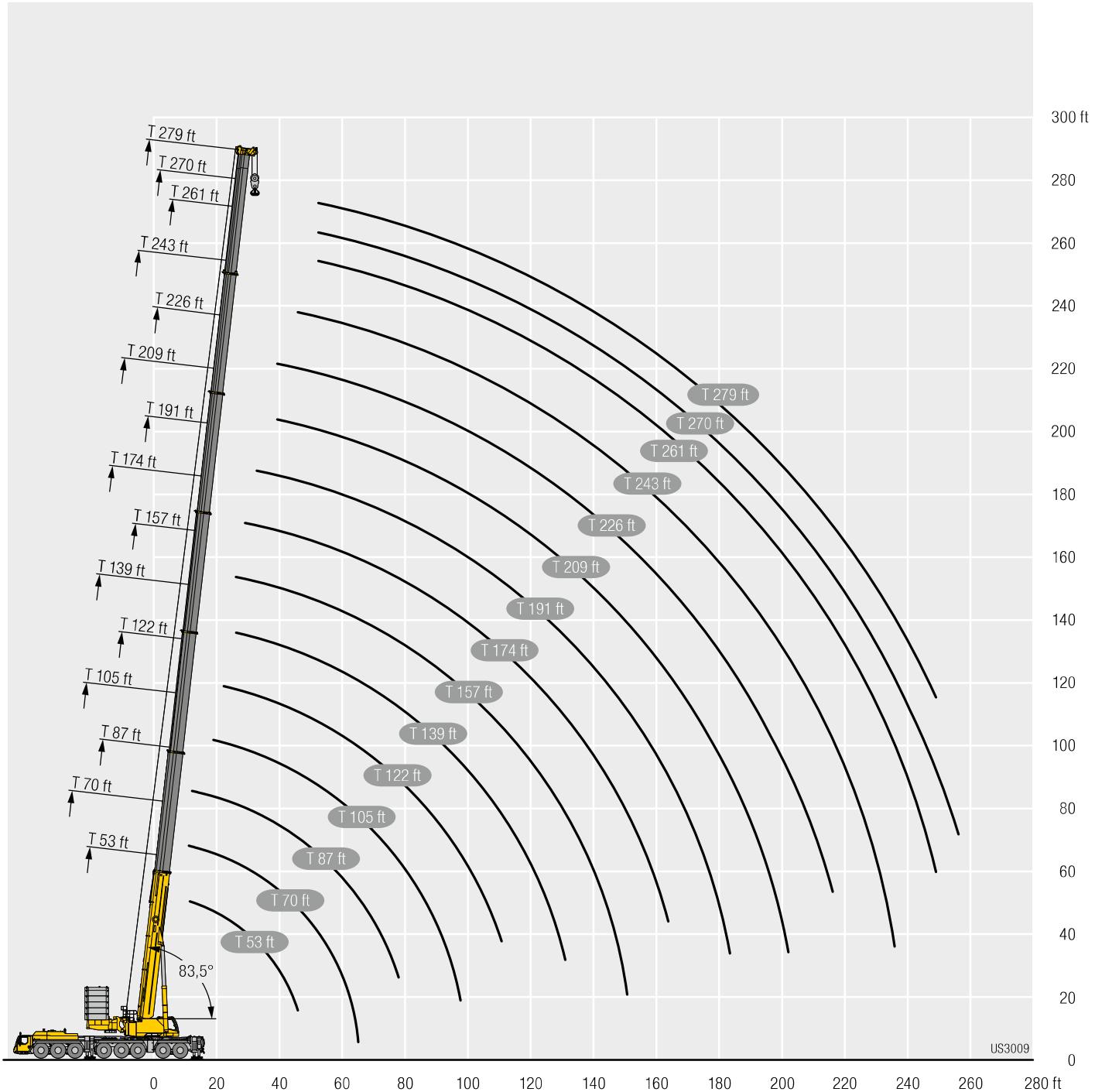
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	201 ft	209 ft	218 ft	226 ft	235 ft	241 ft	243 ft	253 ft	259 ft	261 ft	270 ft	276 ft	279 ft	
34	75.2													34
36	73.7	103												36
38	72.3	100.7	69											38
40	70.8	98.4	67.8	84.7										40
45	67.3	92.6	64.9	80.5	61	57.3	69.3	57.1						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

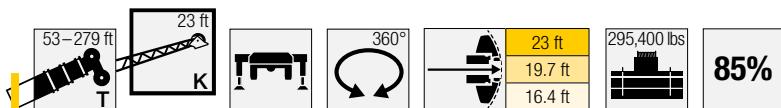
# Lifting heights

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# Lifting capacities

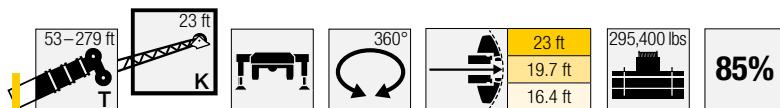
**TK 23**



	53 ft				157 ft				174 ft				183 ft				191 ft				201 ft				209 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°	
11	54.4																									11			
12	55.5																									12			
13	55.5																									13			
14	55.5	55.5	55.5																							14			
15	55.5	55.5	55.5																							15			
16	55.5	55.5	55.5																							16			
17	55.5	55.5	55.5																							17			
18	55.5	55.5	55.5	55.5																						18			
19	55.5	55.5	55.5	55.5																						19			
20	55.5	55.5	55.5	55.5																						20			
22	55.5	55.5	55.5	55.5																						22			
24	55.5	55.5	55.5	55.5																						24			
26	55.5	55.5	55.5	55.5																						26			
28	55.5	55.5	55.5	55.5																						28			
30	55.5	55.5	55.5	55.1		55.5																				30			
32	55.5	55.5	55.5	54.7		55.5	55.5																			32			
34	55.5	55.5	55.5	54.3		55.5	55.5		55.5																	34			
36	55.5	55.5	55.5	53.7	55.5	55.5	55.5		55.5	55.5		55.5														36			
38	55.5	55.5	55.5	53	55.5	55.5	55.5	55.5	55.5	55.5		55.5					55.5		55.5							38			
40	55.5	55.5	55.5	52.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5		55.5	55.5	55.5	52.6	46.8	46.3	46	45.7	55.5	55.5	55.5	40				
45	55.5	54.9	55	49.9	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	52.3	53.4	52.7	52.3	55.5	55.5	55.5	45			
50	55.5	54	52.2	48.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	51.0	50.4	50	48.5	55.5	55.5	55.5	52.9		
55	53.9	52.3	49.6	47	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	53.7	48.9	48.3	47.9	47.5	55.5	55.5	55.5	51.9		
60	51.7	49.6	47.7	46.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	52.6	46.8	46.3	46	45.7	55.5	55.5	55.5	50.9		
65	48	47.1	46.1	46.2	55.5	55.5	55.5	52.9	55.5	55.5	55.5	52.5	46.5	46.1	45.8	45.5	55.5	55.5	55.5	51.6	44.9	44.4	44.1	43.9	55.5	55.5	55.5	50	
70	43.9	44.4	44.8		55.5	55.5	55.5	51.8	55.5	55.5	55.1	51.5	44.6	44	43.7	43.5	52.5	55.5	55.5	50.6	43	42.6	42.3	42.1	55.4	55.5	54.8	49.1	
75					55.5	55.5	55.5	50.8	55.5	55.5	54.7	50.6	42.7	42.1	41.8	41.6	54.5	54.8	55.2	49.7	41.3	40.9	40.6	40.5	54.4	54.7	53.7	48.3	
80					55.5	55.2	55.2	49.8	55.5	55.5	54.3	49.8	40.8	40.3	40	39.8	53.8	53.9	54.2	48.8	39.7	39.3	39	38.9	52.9	52.8	52	47.6	
85					55.5	54.8	54.3	49	55.4	55.5	53.8	48.9	39	38.5	38.3	38	53.2	53	53.1	47.9	38.2	37.9	37.6	37.5	50.9	50.9	50.5	46.8	
90					55.5	54.3	53.2	48.3	54.4	54.8	53.1	48	37.2	36.7	36.5	36.3	52.5	52.1	52	47.2	36.6	36.4	36.2	36.1	48.9	48.9	48.7	45.4	
95					55.5	53.9	52.1	47.6	53.3	53.7	52.1	47.2	35.5	35.1	34.8	34.6	51.5	51.2	50.9	46.6	35	34.9	34.8	34.7	46.8	46.9	46.8	44.4	
100					55.5	53.5	51	47	52.3	52.5	51.1	46.7	33.9	33.6	33.3	33.1	50.1	49.9	49.6	45.9	33.5	33.5	33.4	33.3	44.8	44.9	44.9	43.3	
105					55.2	53	49.9	46.3	51.3	51.2	50.1	46.2	32.4	32.1	31.9	31.7	48.2	48.1	48.1	44.9	32.1	32.1	32	31.9	42.9	43	43.1	42.2	
110					54.2	52.1	48.9	45.6	50.3	50	49.2	45.7	30.8	30.7	30.5	30.4	46.2	46.2	46.2	42.6	30.8	30.8	30.7	30.6	41.2	41.2	41.3	41.1	
115					53.1	51.1	48.1	45.3	49.2	48.8	48.2	45.2	29.3	29.2	29.1	29.1	44.3	44.4	44.4	42.4	29.5	29.5	29.4	29.4	39.7	39.7	39.7	39.9	
120					51.9	50	47.4	45	47.8	47.5	47.1	44.7	27.8	27.8	27.8	27.8	42.4	42.5	42.5	41.1	28.2	28.2	28.2	28.2	38.3	38.3	38.3	38.5	
125					50.7	48.9	46.6	44.8	45.8	45.7	45.6	43.8	26.3	26.4	26.4	26.5	40.5	40.6	40.7	39.8	26.9	26.9	26.9	27	36.8	36.8	36.8	37.1	
130					49.5	47.9	45.9	44.5	43.9	43.9	43.8	42.4	25.3	25.2	25.2	25.2	38.6	38.7	38.9	38.5	25.6	25.6	25.7	25.8	35.3	35.3	35.4	35.6	
135					47.8	46.5	45	44.2	42	42	42	41	24.2	24.2	24.1	24.2	37.1	37.1	37.1	37.2	24.3	24.4	24.4	24.6	33.8	33.9	34	34.2	
140					45.7	44.8	43.6	43.1	40.1	40.1	40.1	39.5	23.1	23.1	23.1	23.2	35.6	35.7	35.7	35.8	23.3	23.2	23.2	23.4	32.3	32.4	32.5	32.7	
145					43.6	43.1	42.2	42	38.2	38.2	38.3	38.1	22	22.1	22.1	22.2	34.2	34.2	34.3	34.4	22.3	22.3	22.3	22.4	31	31.1	31.1	31.3	
150					41.3	41.3	40.9	40.8	36.5	36.5	36.6	36.7	21	21	21	21.2	32.7	32.7	32.8	33	21.4	21.4	21.5	21.5	29.8	29.8	29.9	30	
155					38.8	39.1	39.3	39.3	35	35.1	35.1	35.3	20	20	20	20.1	20.2	31.3	31.3	31.4	31.6	20.5	20.5	20.6	20.6	28.6	28.7	28.7	28.8
160					36.5	36.7	36.8	36.8	33.5	33.6	33.7	33.8	19.2	19.2	19.2	19.2	19.4	29.8	29.9	29.9	30.1	19.5	19.6	19.6	19.7	27.4	27.5	27.6	27.7
165					34.3	34.5	34.6	34.5	32.1	32.2	32.2	32.4	18.5	18.5	18.5	18.6	28.6	28.6	28.6	28.8	18.6	18.7	18.7	18.8	26.3	26.3	26.4	26.6	
170					32.3	32.4	32.4	31.9	30.6	30.7	30.7	30.9	17.7	17.7	17.8	17.8	27.6	27.6	27.6	27.7	17.8	17.8	17.8	18	25.1	25.2	25.3	25.4	
175					11.5				29.3	29.4	29.4	29.5	16.9	17	17	17.1	26.5	26.5	26.5	26.6	17.1	17.1	17.1	17.2	23.9	24	24.2	24.3	
180									28.1	28.2	28.2	28.3	16.2	16.2	16.3	16.4	25.4	25.4	25.5	25.6	16.4	16.4	16.5	16.6	23	23.1	23.1	23.3	
185									26.6	26.7	26.8	26.6	15.6	15.7	15.7	15.8	24.4	24.4	24.5	24.5	15.8	15.8	15.8	15.9	22.2	22.2	22.3	22.4	
190									21.8	21.9	21.9	21.9	15	15.1	15.1	15.2	23.3	23.4	23.4	23.5	15.1	15.1	15.2	15.2	21.3	21.4	21.4	21.6	
195</td																													

# Lifting capacities

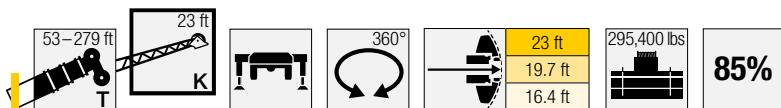
**TK 23**



	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	20.8	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	14.1	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	12.6	12.6	9.6	9.7	9.7	9.7	235
240		</td																											

# Lifting capacities

**TK 23**

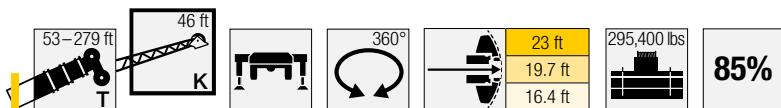


	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
55		43				41.4															55
60	42.1	41.9	41.8		39.9	40.2	40.6		37.8	37.6	37.6			35.7				35			60
65	41	40.8	40.7	40.8	38.6	38.9	39.3	40	36.8	36.7	36.6		34.8	34.7	34.7		33.8	34	34.2		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	285
290													2.2	2.2	2.2		1.6	1.7	1.6		290

maxt\_268\_005\_00001\_00\_000-l-v

# Lifting capacities

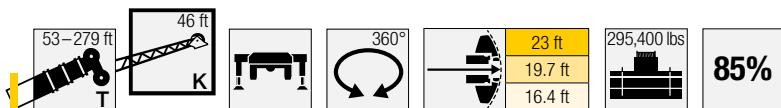
**TK 46**



	53 ft				157 ft				174 ft				183 ft				191 ft				201 ft				209 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																										19				
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					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	24.1	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	17.7	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	17.6	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	17.7	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	16.2	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	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</td																				

# Lifting capacities

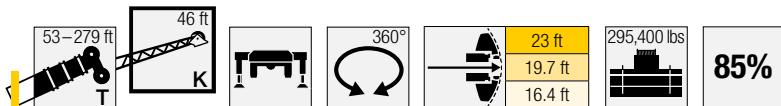
**TK 46**



Jib length	218 ft				226 ft				235 ft				241 ft				46 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°	0°	10°	20°	40°
50									25.9				25.1																			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	15.2	15.2	18.6	18.2	17.8	17.1	17	16.8	16.4	15.5	15.7	16.1	17.5	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	14.1	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																						

# Lifting capacities

**TK 46**

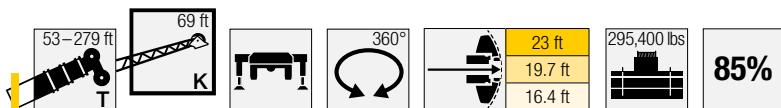


	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
55	23.9				23.4																55
60	24				23.6				22.4				21.5				21.1				60
65	24.2	24.7			23.7	24.3			22.6	23.3			21.6				21.2				65
70	24.3	24.4	23.1		23.9	24.1	22.8		22.7	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	

maxt\_268\_005\_01001\_00\_000-lv

# Lifting capacities

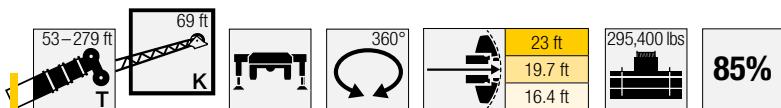
TK 69



maxt\_268\_005\_02001\_00\_000-l-v

# Lifting capacities

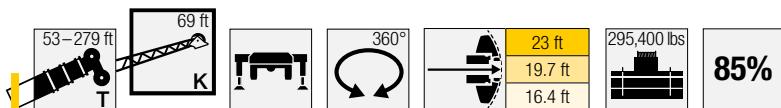
**TK 69**



	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°		
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						60			
65	16.8	15.5			17.8	16.3			16.2				15.8				16.5				15.4						65			
70	16.6	15.2			17.5	15.9			16	14.8			15.7	14.6			16.4	15.2			15.3						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	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	9.5	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	10.2	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	9.5	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	9.8	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	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	9.5	10.7	10.3	9.8	9.5	10.6	10.2	9.8	9.5	10.5	10.2	9.8	9.5	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	9.7	9.6	9.4	9.5	9.4	9.5	10.1	10	9.7	9.5	10	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	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	9.5	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	9.5	9.7	9.5	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	9.5	9.6	9.5	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	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	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</																								

# Lifting capacities

**TK 69**

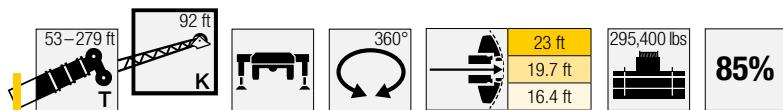


	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
65	15.2				15				14.5				14								65
70	15.1				14.9				14.4				13.9				13.7				70
75	15	14			14.8	13.9			14.3				13.8				13.6				75
80	14.8	13.8			14.7	13.7			14.1	13.3			13.7	13			13.5	12.8			80
85	14.7	13.6	12.4		14.5	13.4			14	13.1			13.6	12.8			13.4	12.7			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		13.3	12.5			90
95	14.3	13.1	12		14.1	13	11.9		13.7	12.7	11.7		13.3	12.4	11.5		13.1	12.3	11.4		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		13	12.1	11.3		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		12.9	12	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	12.7	11.8	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	12.5	11.7	11	9.7	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	12.4	11.5	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	12.2	11.4	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	12.1	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	12	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	11.8	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	11.7	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	11.6	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	11.5	10.8	10.2	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	11.3	10.7	10.1	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	11.2	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	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	10.8	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	10.5	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	10.1	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	9.8	9.8	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	9.4	9.5	9.3	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	9	9.1	9.1	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	8.6	8.8	8.8	9	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	8.3	8.4	8.5	8.7	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	7.9	8.1	8.2	8.4	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	7.5	7.8	7.9	8.1	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	7.1	7.4	7.6	7.8	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	6.7	7.1	7.3	7.6	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	6.4	6.7	6.9	7.2	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	6	6.4	6.6	7	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	5.6	6	6.3	6.6	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	5.2	5.6	5.9	6.2	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	4.8	5.2	5.5	5.8	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	4.4	4.8	5	5.4	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	4	4.4	4.6	4.9	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	3.6	4	4.2	4.5	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	3.3	3.6	3.8	4	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	2.9	3.2	3.4	3.6	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	2.6	2.8	3	3.1	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	2.1	2.5	2.6	2.7	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	1.7	2	2.2	2.2	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		1.7	1.7	1.7	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

**TK 92**

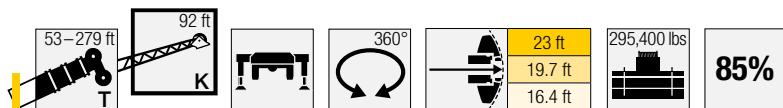


	53 ft				157 ft				174 ft				183 ft				191 ft				201 ft				209 ft			
	92 ft				92 ft				92 ft				92 ft				92 ft				92 ft				92 ft			
22	9.8																									22		
24	10.4																									24		
26	10.9																									26		
28	11.3																									28		
30	11.6																									30		
32	11.8																									32		
34	11.9																									34		
36	12																									36		
38	12.3	10.6																								38		
40	12.5	10.6		12																						40		
45	12.7	10.6		12.9		12.3																				45		
50	12.4	10.3		13.6		12.9																				50		
55	12	10	8.7	13.6		13.2																				55		
60	11.5	9.8	8.4	13.4	11.6	13																				60		
65	11	9.5	8.2	13	11.3	12.8	11.2																			65		
70	10.6	9.1	7.9	12.7	10.9	12.5	10.9																			70		
75	10.1	8.8	7.7	6.2	12.3	10.7	9.3																			75		
80	9.6	8.5	7.5	6.1	12	10.4	9																			80		
85	9	8.2	7.2	5.9	11.7	10.1	8.8																			85		
90	8.6	7.9	7.1	5.9	11.3	9.8	8.6																			90		
95	8.1	7.6	6.9	5.8	11	9.6	8.3	6.5																		95		
100	7.6	7.3	6.7	5.7	10.7	9.3	8.1	6.5																		100		
105	7.2	7.1	6.5	5.7	10.4	9.1	8	6.5																		105		
110	6.9	6.9	6.4	5.7	10.1	8.9	7.8	6.4																		110		
115	6.5	6.7	6.3	5.7	9.8	8.6	7.6	6.3																		115		
120	6.2	6.5	6.2	5.7	9.6	8.4	7.5	6.2																		120		
125	5.9	6.3	6.2	5.7	9.3	8.2	7.3	6.2																		125		
130	5.7	6.2	6.1		9.1	8	7.1	6.1																		130		
135	5.5	6.1	6.1		8.8	7.9	7	6																		135		
140		8.6	7.7	6.9	6	8.8	7.8	6.9																		140		
145			8.4	7.5	6.8	5.9	8.6	7.6	5.9																	145		
150			8.1	7.3	6.7	5.9	8.4	7.5	6.7																	150		
155			7.9	7.1	6.6	5.9	8.1	7.3	6.5																	155		
160			7.7	7	6.4	5.8	7.9	7.1	6.5																	160		
165			7.5	6.9	6.3	5.8	7.7	7	6.4																	165		
170			7.2	6.7	6.3	5.8	7.5	6.8	6.3																	170		
175			7	6.6	6.2	5.8	7.3	6.7	6.2																	175		
180			6.8	6.5	6.1	5.8	7.1	6.6	6.2																	180		
185			6.6	6.4	6.1	5.8	7	6.5	6.1																	185		
190			6.4	6.3	6	5.8	6.8	6.4	6.1																	190		
195			6.3	6.2	5.9	5.8	6.6	6.3	6																	195		
200			6.1	6.1	5.9	5.8	6.4	6.2	6																	200		
205			6	6.1	5.9	5.8	6.3	6.1	5.7																	205		
210			5.8	6	5.9	5.8	6.1	6.1	5.8																	210		
215			5.7	5.9	5.9	5.8	6	6	5.8																	215		
220			5.6	5.9	5.9	5.8	5.9	6	5.8																	220		
225			5.5	5.9	5.9	5.8	5.8	5.9	5.8																	225		
230			5.4	5.9	5.9	5.9	5.6	5.9	5.8																	230		
235			5.3	5.9	5.9	5.9	5.5	5.8	5.8																	235		
240			5.3	5.9	5.9	5.9	5.5	5.8	5.8																	240		
245							5.4	5.8	5.8																	245		
250							5.3	5.8	5.8																	250		
255							5.3	5.8	5.8																	255		
260							5.2																				260	
265								5.2	5.8																		265	
270									5.2																			270
275										5.2																		275
280											5.2																	280
285												5.2																285
290													5.2															290

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# Lifting capacities

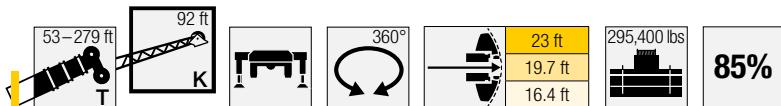
**TK 92**



	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°		
60	10.4				11.1				9.9								10.5				9.6								60	
65	10.6				11.2				10.2				9.9								9.6								65	
70	10.6				11.1				10.3				10.1				10.5				9.9								70	
75	10.5	9.6			11				10.2				10				10.4				9.8								75	
80	10.3	9.4			10.8	9.8			10.1	9.3			9.9	9.2			10.3	9.3			9.7								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							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							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	6	8.6	7.8	7	5.9	8.5	7.8	7	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	5.8	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	6.4	5.6	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	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	6.4	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	5.5	6	6.8	6.3	5.5	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	5.9	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	5.5	5.5	5.9	5.7	5.5	245		
250	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	5.8	5.6	5.5	5.9	5.7	5.5	5.5	5.9	5.7	5.5	250		
255	5.5	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.6	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.7	5.7	5.6	5.5	5.8	5.6	5.5	5.5	5.8	5.6	5.5	255		
260	5.5	5.7	5.6	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.7	5.6	5.5	5.6	5.7	5.6	5.5	5.6	5.7	5.6	5.5	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	5.4	5.6	5.6	5.5	5.6	5.7	5.6	5.5	5.6	5.6	5.5	5.6	5.6	5.5	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	5.4	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</						

# Lifting capacities

**TK 92**

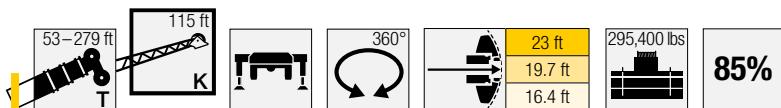


	261 ft				264 ft				270 ft				276 ft				279 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
70	9.7				9.6				9.2												70
75	9.7				9.7				9.4				9.1				9				75
80	9.7				9.6				9.3				9.1				9				80
85	9.6				9.5				9.2				9				8.9				85
90	9.4	8.7			9.4	8.7			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	1.7	1.9	1.7							315

maxt\_268\_005\_03001\_00\_000-l-v

# Lifting capacities

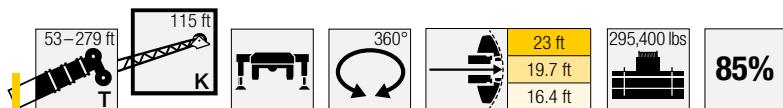
**TK 115**



	53 ft				157 ft				174 ft				183 ft				191 ft				201 ft				209 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°	
28	6.3																									28			
30	6.6																									30			
32	6.9																									32			
34	7.1																									34			
36	7.3																									36			
38	7.4																									38			
40	7.5																									40			
45	7.5																									45			
50	7.4	6.7			7.2																					50			
55	7.2	6.5			7.5				7.2				6.1													55			
60	7.1	6.2			7.8				7.5				6.2				7.1				6					60			
65	7	6	5.2		8.1				7.8				6.4				7.4				6.1					65			
70	6.8	5.7	5		8.2	6.9			8				6.7				7.6				6.4					70			
75	6.5	5.5	4.8		8.2	6.8			8.1	6.7			6.8				7.8				6.5					75			
80	6.3	5.2	4.6		8.2	6.8			8.1	6.7			6.9	5.9			7.8	6.6			6.7	5.8				80			
85	6	5	4.4		8.2	6.7			8	6.7			7	5.9			7.8	6.5			6.7	5.8				85			
90	5.7	4.8	4.2		8	6.6	5.1		8	6.6			7	5.9			7.8	6.5			6.8	5.8				90			
95	5.3	4.6	4.1	3.4	7.8	6.4	5.1		7.8	6.5	5.1		6.9	5.8			7.7	6.4			6.8	5.8				95			
100	5	4.4	3.9	3.3	7.6	6.3	5		7.6	6.4	5		6.9	5.7	4.6		7.5	6.3	5		6.8	5.7				100			
105	4.8	4.3	3.7	3.2	7.4	6.1	4.9		7.4	6.2	4.9		6.8	5.6	4.5		7.3	6.2	4.9		6.7	5.6	4.5		7.1	6.1	4.8	105	
110	4.5	4.1	3.6	3.1	7.2	6	4.8		7.2	6.1	4.8		6.7	5.5	4.4		7.2	6.1	4.8		6.6	5.5	4.4		7	6	4.8	110	
115	4.2	3.9	3.5	3	7	5.9	4.7	3.2	7.1	6	4.8		6.5	5.4	4.4		7	6	4.7		6.4	5.4	4.4		6.9	5.9	4.7	115	
120	3.9	3.8	3.4	2.9	6.8	5.8	4.6	3.2	6.9	5.9	4.7	3.2	6.4	5.3	4.3		6.8	5.8	4.7		6.3	5.3	4.3		6.7	5.8	4.6	120	
125	3.7	3.7	3.3	2.9	6.6	5.6	4.5	3.2	6.7	5.7	4.6	3.2	6.2	5.3	4.3	3	6.7	5.7	4.6	3.2	6.2	5.2	4.3		6.6	5.7	4.6	125	
130	3.5	3.5	3.2	2.9	6.4	5.5	4.5	3.2	6.5	5.6	4.5	3.2	6	5.2	4.2	3	6.5	5.6	4.5	3.2	6	5.2	4.2	3	6.4	5.5	4.5	130	
135	3.4	3.4	3.1	2.8	6.3	5.3	4.4	3.2	6.3	5.4	4.5	3.2	5.9	5.1	4.2	3	6.3	5.5	4.5	3.2	5.9	5.1	4.2	3	6.3	5.4	4.5	135	
140	3.2	3.4	3.1	2.8	6.1	5.2	4.3	3.2	6.2	5.3	4.4	3.2	5.8	5	4.1	3	6.2	5.3	4.4	3.2	5.8	5	4.1	3	6.1	5.3	4.4	140	
145	3.1	3.4	3.1	2.8	5.9	5.1	4.2	3.2	6	5.1	4.3	3.2	5.6	4.8	4.1	3	6	5.2	4.3	3.2	5.6	4.9	4.1	3	6	5.2	4.3	3.1	145
150	3.1	3.3	3.1	2.8	5.7	5	4.1	3.2	5.9	5	4.2	3.2	5.5	4.7	4	3	5.9	5	4.3	3.1	5.5	4.8	4	3	5.8	5.1	4.3	3.1	150
155	3	3.3	3.1		5.5	4.9	4.1	3.2	5.7	4.9	4.1	3.2	5.4	4.6	4	3	5.8	4.9	4.2	3.1	5.4	4.7	4	3	5.7	4.9	4.2	3.1	155
160	3	3.3			5.3	4.7	4	3.2	5.5	4.8	4.1	3.2	5.2	4.6	3.9	3	5.5	4.8	4.1	3.1	5.3	4.6	3.9	3	5.6	4.8	4.2	3.1	160
165					5.2	4.6	4	3.1	5.4	4.7	4	3.2	5.1	4.5	3.8	3	5.5	4.7	4.1	3.1	5.1	4.5	3.9	3	5.5	4.7	4.1	3.1	165
170					5	4.5	3.9	3.1	5.2	4.6	4	3.2	5	4.4	3.8	3	5.3	4.6	4	3.1	5	4.4	3.8	3	5.3	4.6	4	3.1	170
175					4.9	4.4	3.9	3.1	5	4.5	3.9	3.2	4.8	4.3	3.8	3	5.2	4.5	4	3.1	4.9	4.3	3.8	3	5.2	4.5	4	3.1	175
180					4.7	4.3	3.8	3.1	4.9	4.4	3.9	3.2	4.7	4.2	3.7	3	5	4.4	3.9	3.1	4.8	4.3	3.7	3	5.1	4.4	3.9	3.1	180
185					4.6	4.2	3.8	3.1	4.8	4.3	3.8	3.2	4.6	4.1	3.7	3	4.9	4.3	3.9	3.1	4.7	4.2	3.7	3	5	4.4	3.9	3.1	185
190					4.4	4.1	3.7	3.1	4.6	4.2	3.8	3.2	4.5	4.1	3.7	3	4.8	4.3	3.8	3.1	4.6	4.1	3.7	3	4.8	4.3	3.8	3.1	190
195					4.3	4	3.7	3.1	4.5	4.1	3.7	3.2	4.3	4	3.6	3	4.6	4.2	3.8	3.1	4.5	4	3.6	3	4.7	4.2	3.8	3.1	195
200					4.1	3.9	3.7	3.1	4.4	4	3.7	3.2	4.2	3.9	3.6	3	4.5	4.1	3.7	3.1	4.4	3.9	3.6	2.9	4.6	4.1	3.7	3.1	200
205					4	3.9	3.6	3.1	4.3	4	3.6	3.2	4.1	3.8	3.6	3	4.4	4	3.7	3.1	4.3	3.9	3.6	2.8	4.5	4	3.7	3	205
210					3.9	3.8	3.6	3.1	4.1	3.9	3.6	3.2	4	3.8	3.5	3	4.3	3.9	3.6	3.1	4.2	3.8	3.5	2.8	4.4	3.9	3.6	2.9	210
215					3.8	3.7	3.5	3.1	4	3.8	3.6	3.2	3.9	3.7	3.5	3	4.2	3.9	3.6	3.1	4.1	3.7	3.5	2.8	4.3	3.9	3.6	2.9	215
220					3.7	3.7	3.5	3.1	3.9	3.7	3.5	3.2	3.8	3.7	3.5	3	4.1	3.8	3.5	3.1	4	3.7	3.5	2.8	4.2	3.8	3.5	2.9	220
225					3.6	3.6	3.5	3.1	3.8	3.7	3.5	3.2	3.7	3.6	3.5	3	4	3.8	3.5	3.1	3.9	3.7	3.4	2.8	4.1	3.8	3.5	2.9	225
230					3.5	3.6	3.5	3.1	3.7	3.6	3.5	3.2	3.6	3.6	3.4	3	3.9	3.7	3.5	3.1	3.8	3.6	3.4	2.8	4	3.7	3.5	2.9	230
235					3.4	3.6	3.5	3.1	3.6	3.6	3.4	3.2	3.6	3.5	3.4	3	3.8	3.6	3.5	3.1	3.7	3.6	3.4	2.8	3.9	3.7	3.4	2.9	235
240					3.4	3.5	3.5	3.1	3.5	3.6	3.4	3.2	3.5	3.5	3.4	3	3.7	3.6	3.4	3.1	3.6	3.5	3.4	2.8	3.8	3.6	3.4	2.9	240
245					3.3	3.5	3.5	3.1	3.5	3.5	3.4	3.2	3.4	3.5	3.4	3	3.6	3.5	3.4	3.1	3.5	3.5	3.4	2.8	3.7	3.6	3.4	2.9	245
250					3.2	3.5	3.5	3.1	3.4	3.5	3.4	3.2	3.3	3.5	3.4	3	3.5	3.5	3.4	3.1	3.5	3.4	3.2	2.8	3.6	3.5	3.4	2.9	250
255					3.2	3.5	3.5	3.1	3.3	3.5	3.4	3.2	3.3	3.5	3.4	3	3.5	3.5	3.4	3.1	3.4	3.3	3.2	2.8	3.6	3.5	3.4	2.9	255
260					3.1	3.5			3.2	3.4	3.4		3.2	3.4	3.4	3	3.4	3.5	3.4	3.1	3.4	3.4	3.3	2.8	3.5	3.4	3.3	2.9	260
265					3.1				3.2	3.4	3.4		3.2	3.4	3.4	3	3.3	3.4	3.4	3.1	3.3	3.4	3.3	2.8	3.4	3.4	3.3	2.9	265
270									3.2																				

# Lifting capacities

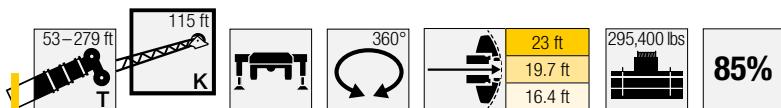
**TK 115**



	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°	
65	5.9								5.6				5.8															65	
70	6.1				6.7				5.8				5.8															70	
75	6.3				6.9				6				5.8				6.2				5.6							75	
80	6.5				7				6.2				6				6.4				5.8							80	
85	6.6				7.1				6.3				6.1				6.5				5.9							85	
90	6.6	5.7			7.1	6.1			6.4	5.6			6.2				6.6	5.7			6.1	5.4						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						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	2.9	5.5	4.8	4	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	3	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	3	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	3	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	3.8	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	3	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	3	4.9	4.3	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	3	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	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	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	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	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	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	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	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	3	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	3	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	3	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	3	4	3.6	3.3	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	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	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	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	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	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	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	3.3	3	3	3.4	3.3	3	3	3.5	3.4	3.3	3	3.5	3.3	3.2	3	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	3.4	3.3	3	3	3.5	3.4	3.2	3	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	3.2	3	3	3.4	3.3	3	3	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	3.2	3.3	3	3	3.3	3.2	3	3	3.3	3.2	3	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	3.1	3.2	3	3	3.2	3.3	3	3	3.3	3.2	3	3	3.3	3.2	3	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	2.9	3.2	3.2	3	3.2	3.3	3	3	3.2	3.2	3	3	3.2	3.2	3	3.1	295
300	3	3.3	3.3	3	3.1	3.3	3.3</																						

# Lifting capacities

**TK 115**

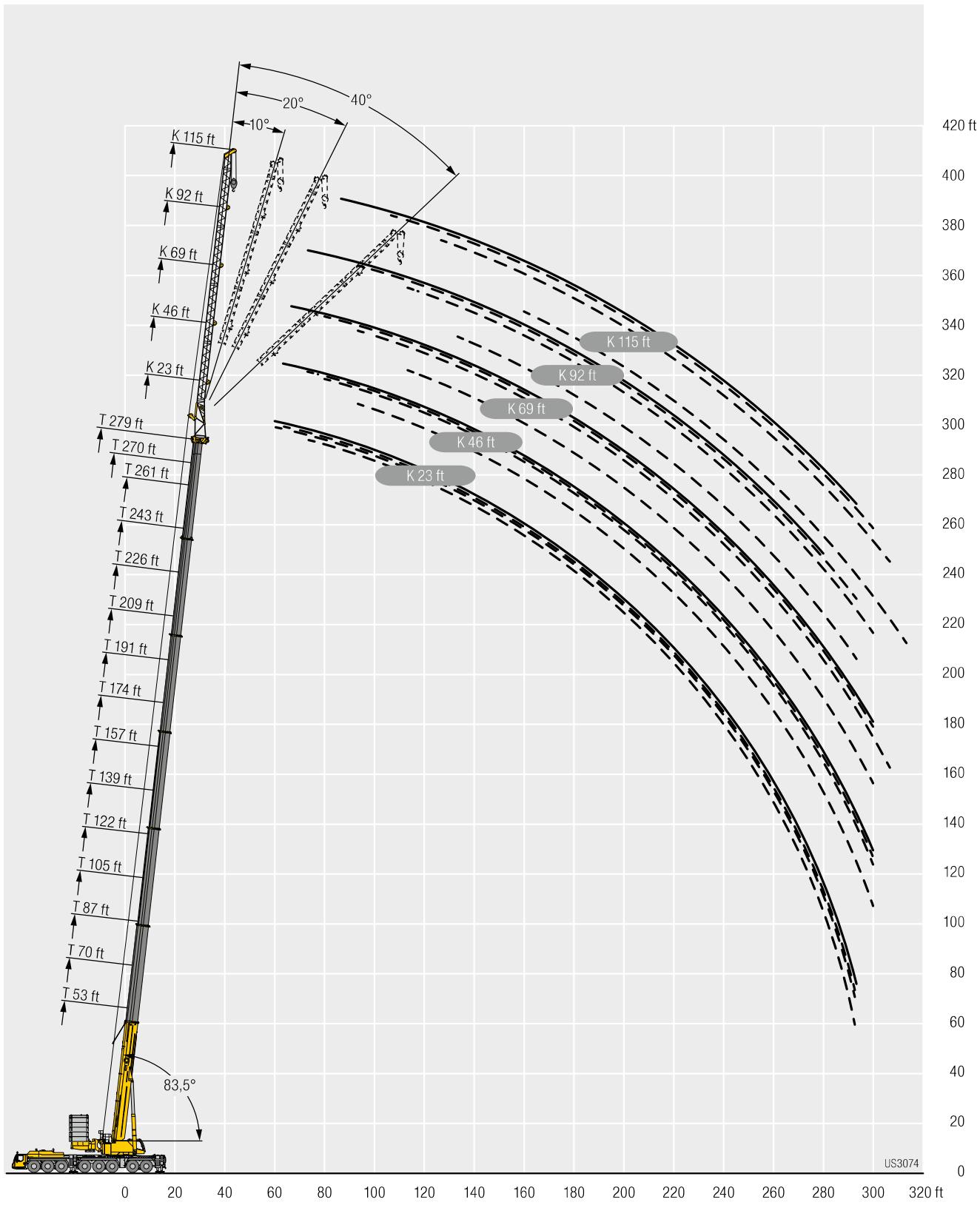


	261 ft				264 ft				270 ft				276 ft				279 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
75	5.5				5.5																75	
80	5.7				5.6				5.3				5.1				5				80	
85	5.9				5.8				5.5				5.3				5.2				85	
90	6				5.9				5.6				5.4				5.3				90	
95	6.1				6				5.7				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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	3.9	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	3.9	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	3.8	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	3.8	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	3.7	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	3.6	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	3.5	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	3.3	3.3	3.2	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	3.2	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	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	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	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	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	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		1.7	2	2.4			1.7	2.2		305
310	2	2.5	2.6	2.8						1.9	2.1	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-l-v

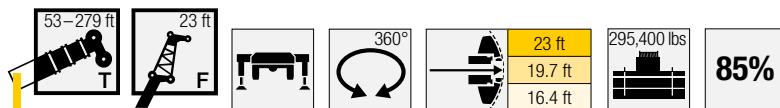
# Lifting heights

TK



# Lifting capacities

**TF 23**

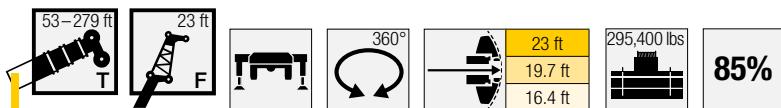


Lift height Arm length	53 ft + 7.5 ft*				122 ft + 7.5 ft*				23 ft				139 ft + 7.5 ft*				157 ft + 7.5 ft*										
	0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°										
	11	109.4			15	109.4	109.4		19	109.4	109.4	109.4	109.4	11				12									
12	109.4				16	109.4			20	109.4	109.4			22				24									
13	109.4				26	106.5	103.2	96.9	83.5	28	103.6	100.5	92.6	80.6	30	100.7	96.3	88.5	77.9	32	97.8	92.1	85.1	75.2			
14	109.4				34	94.6	87.9	81.8	72.8	36	91.1	84	78.5	70.5	38	87.5	80.6	75.7	68.3	40	97.8	92.1	85.1	75.2			
15	109.4	109.4			45	74.9	70.9	67.1	61.9	50	68.4	64.7	61.9	58.1	55	62.7	60	57.6	54.7	50	68.4	64.7	61.9	58.1			
16	109.4	109.4			55	62.7	60	57.6	54.7	50	57.7	55.4	53.8	51.9	60	57.7	55.4	53.8	51.9	65	53.7	52.1	50.7	49.6			
17	109.4	109.4			60	57.7	55.4	53.8	51.9	70	49.9	48.8	48.1	47.9	75	46.5	46.1	46	30.4	80	98.4	91.6	83.7	74.4			
18	109.4	109.4			75	46.5	46.1	46	30.4	85	95			90	91.5	87.8	80.8	73	88.3	87.1	82.7	73.8	65.6	65	64.8	64.5	
19	109.4	109.4	109.4		80	98.4	91.6	83.7	74.4	90	91.5	83.9	78.4	71.6	95	86	84.8	84.1	79	65	70	72.4	71.9	71.5	80		
20	109.4	109.4	108.6		95	95	87.8	80.8	73	90	91.5	83.9	78.4	71.6	95	86	84.8	84.1	79	65	70	72.4	71.9	71.5	80		
22	109.4	107.7	105		95	86	81.1	76.2	70.5	100	86	81.1	76.2	70.5	95	86	84.8	84.1	79	65	70	72.4	71.9	71.5	80		
24	109.1	105.5	101.2		105	64.9	65.4	66	66.4	100	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
26	106.5	103.2	96.9	83.5	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
28	103.6	100.5	92.6	80.6	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
30	100.7	96.3	88.5	77.9	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
32	97.8	92.1	85.1	75.2	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
34	94.6	87.9	81.8	72.8	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
36	91.1	84	78.5	70.5	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
38	87.5	80.6	75.7	68.3	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
40	83.8	77.9	73.2	66.5	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
45	74.9	70.9	67.1	61.9	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
50	68.4	64.7	61.9	58.1	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
55	62.7	60	57.6	54.7	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
60	57.7	55.4	53.8	51.9	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
65	53.7	52.1	50.7	49.6	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
70	49.9	48.8	48.1	47.9	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
75	46.5	46.1	46	30.4	105	64.9	65.4	66	66.4	105	60.7	61.2	61.6	62	105	56.7	57.2	57.5	57.8	125	53.1	53.5	53.8	53.9			
80					98.4	91.6	83.7	74.4		95	87.8	80.8	73	88.3	87.1	82.7	73.8	68.7	68.2	67.9	68	85	90	95	100		
85					95	87.8	80.8	73	88.3	85	86	81.1	74.4	77.4	73.8	77.3	71.4	62.5	62	61.7	61.3	95	100	105	110	115	
90					91.5	83.9	78.4	71.6	82.9	80.1	81.1	74.4	77.4	73.8	77.3	71.4	62.5	62	61.7	61.3	95	100	105	110	115		
95					86	81.1	76.2	70.5	82.9	80.1	81.1	74.4	77.4	73.8	77.3	71.4	62.5	62	61.7	61.3	95	100	105	110	115		
100					79.9	78.6	74	69.5	72.3	70.1	71.1	69.5	72.8	73.6	70.1	70.1	59.4	59.1	58.6	58.5	100	105	110	115	120		
105					74.4	75.2	72	68.3	68.6	64.8	61.4	68.9	69.6	64.8	61.4	68.6	67.5	56.4	56.1	55.5	55.8	100	105	110	115	120	
110					69.4	70.1	70.5	67.7	64.8	65.1	65.6	61.4	68.9	69.6	64.8	61.4	68.6	67.5	53.3	53.2	53	53.1	100	105	110	115	120
115					64.9	65.4	66	66.4	61.1	57.4	57.6	61.4	68.9	69.6	64.8	61.4	68.6	67.5	48.4	48.3	48.3	48.3	100	105	110	115	120
120					60.7	61.2	61.6	62	43.9	44.4	44.7	44.9	43.9	57.4	57.6	58.2	58.5	48.4	48.3	48.3	48.3	100	105	110	115	120	
125					56.7	57.2	57.5	57.8	53.9	50.3	50.9	51.3	53.9	57.4	57.8	58.2	58.5	46.1	46.1	46.1	46.1	100	105	110	115	120	
130					53.1	53.5	53.8	53.9	43.9	43.9	44.4	44.7	43.9	53.1	53.5	53.8	54.2	46.1	46.1	46.1	46.1	100	105	110	115	120	
135					49.8	50.2	50.3		47	47.5	47.9	48.2	47	48.2	48.6	48.2	48.2	41.4	41.5	41.6	41.7	100	105	110	115	120	
140					46.8	47	47.2		43.9	44.4	44.7	44.9	43.9	47.2	47.6	48.2	48.5	39.3	39.5	39.6	39.7	100	105	110	115	120	
145					42.5	43.9	43.7		41	41.4	41.6	41.7	41	41.6	42.1	42.1	42.1	37.4	37.6	37.6	37.7	100	105	110	115	120	
150									38.3	38.6	38.8		38.3	38.6	38.8		35.6	35.7	35.6	35.8	100	105	110	115	120		
155									35.8	36	36.2		35.8	36	36.2		33.7	33.8	33.8	33.9	100	105	110	115	120		
160									33.5	33.6	33.7		33.5	33.6	33.7		31.9	32	32.2	32.2	100	105	110	115	120		
165									20.3					20.3			29.8	30.1	30.3		100	105	110	115	120		
170															27.7	28	28.1		27.7			100	105	110	115	120	
175															25.8	26	26.1		25.8			100	105	110	115	120	
180															20.8	21			20.8			100	105	110	115	120	

\* adapter

# Lifting capacities

**TF 23**

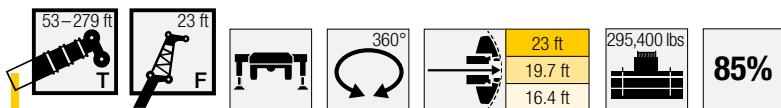


	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*					
	23 ft				23 ft				23 ft				23 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
34	102.3																34	
36	102.5																36	
38	99.8				80.6												38	
40	97.1	97.5			82.5												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	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

# Lifting capacities

**TF 23**

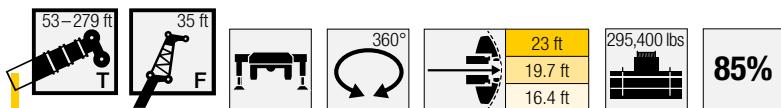


Lift height ft	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	23 ft				23 ft				23 ft				23 ft				23 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
50	40.4																				50	
55	43.8				32.7				35.5												55	
60	42.5	42.1	37.3		31.7	31.6			34.7												60	
65	41.2	40.8	40.5		30.6	30.5	30.4		33.7	33.5											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	11.8	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	4.4	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				2.35	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

# Lifting capacities

TF 35

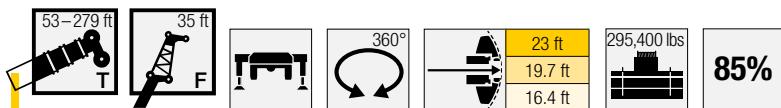


A rm	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				A rm
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
14	109.4																14
15	109.4																15
16	109.4																16
17	109.4																17
18	109.4																18
19	109.4																19
20	109.4	109.4															20
22	109.4	109.4															22
24	109.4	109.3		90.2	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

# Lifting capacities

**TF 35**

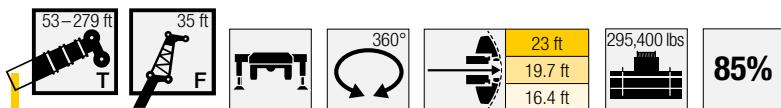


Lift height ft	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				Lift height ft	
					35 ft													
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
38	92.3																38	
40	90.1																40	
45	84.6	84.3			72.4				57								45	
50	79.1	79.6	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

# Lifting capacities

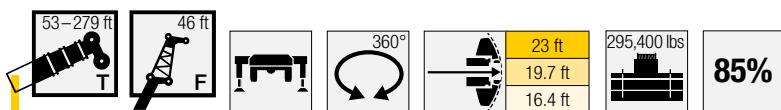
**TF 35**



	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				35 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° 40°																																																																																																																																																																																																							
	55	39.1			60	38.1			65	36.9	36.4		70	35.8	35.3	34.9	75	34.6	34.2	34		80	33.3	33.1	33	32.9	85	32	32	31.9	32	90	30.7	30.8	30.9	31	95	29.4	29.6	29.9	30.1	100	28	28.5	28.9	29.2	105	26.7	27.3	27.8	28.3	110	25.4	26.1	26.8	27.3	115	24.1	24.8	25.5	26.2	120	22.8	23.5	24.2	25.1	125	21.8	22.2	22.9	23.3	130	21	20.9	21.6	22.7	135	20.3	20.2	20.2	21.5	140	19.5	19.4	19.5	20.3	145	18.8	18.7	18.8	19	150	18	18	18.1	18.2	155	17.3	17.3	17.4	17.5	160	16.6	16.6	16.7	16.9	165	15.8	15.9	16	16.2	170	15.1	15.2	15.3	15.5	175	14.3	14.5	14.7	14.9	180	13.6	13.7	14	14.2	185	12.9	13.1	13.4	13.6	190	12.3	12.5	12.7	12.9	195	11.8	12	12.1	12.2	200	11.2	11.4	11.4	11.6	205	10.7	10.8	10.8	10.9	210	10.1	10.3	10.2	10.3	215	9.6	9.7	9.7	9.8	220	9	9.1	9.2	9.4	225	8.5	8.7	8.7	8.9	230	8.1	8.2	8.3	8.4	235	7.6	7.7	7.8	7.9	240	7.2	7.3	7.3	7.4	245	6.7	6.8	6.9	6.9	250	6.3	6.3	6.5	6.5	255	5.8	5.9	6	6.9	260	5.5	5.6	5.6		265	5.2	5.2	5.2		270	4.8	4.9	4.8		275	4.3	4.5	4.5
* adapter																																																																																																																																																																																																																												

# **Lifting capacities**

TF 46

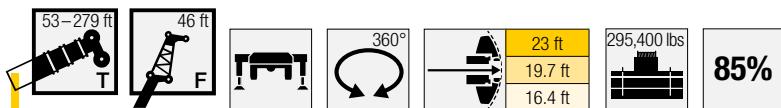


A rm	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				A rm
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
15	109.4																15
16	109.4																16
17	109.4																17
18	109.4																18
19	109.4																19
20	109.4						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

# Lifting capacities

**TF 46**

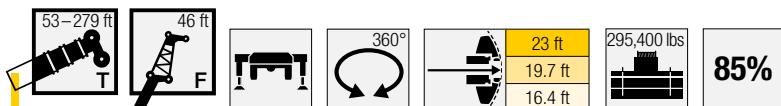


Leverage Arm length Boom height Jib height Jib radius Jib angle Load weight Capacity (%)	174 ft + 7.5 ft*				191 ft + 7.5 ft*				46 ft				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
40	81.4																				40
45	77.5				66.8																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

# Lifting capacities

**TF 46**

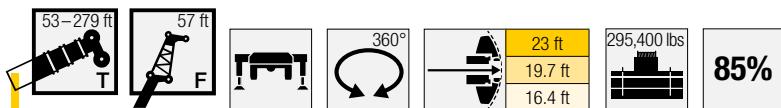


	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	46 ft				46 ft				46 ft				46 ft				46 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
60	34				24.2				26.4												60	
65	33				23.5				25.8				21.4				21				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	19.1	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	3.5			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	3.1																		285	

\* adapter · pièce d'adaptateur

# Lifting capacities

**TF 57**

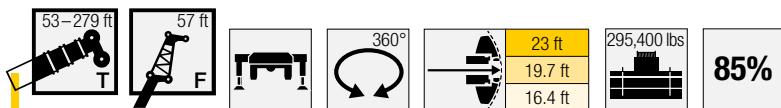


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lift height ft	
	57 ft				57 ft				57 ft				57 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
17	109.4																17	
18	109.4																18	
19	109.4																19	
20	109.4																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

# Lifting capacities

**TF 57**

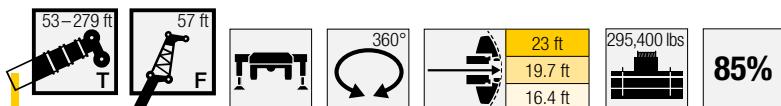


Lift height ft	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				Lift height ft	
					57 ft													
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
45	70.4				50												45	
50	67.8				59.3				44.6								50	
55	65.1	56.5			56.5				47.4				39				55	
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

# Lifting capacities

**TF 57**

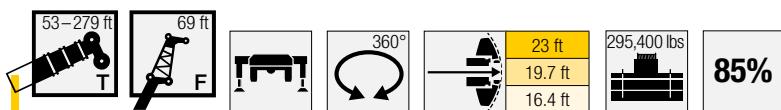


	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	57 ft				57 ft				57 ft				57 ft				57 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
60	30.8																				60	
65	30				21.4				23.5												65	
70	29.1	24.2			20.8				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

# Lifting capacities

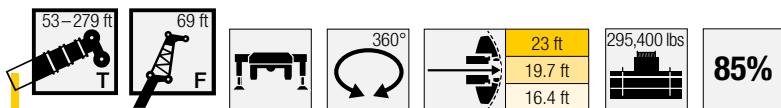
**TF 69**



Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				69 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°				0° 10° 20° 40°							
	19	107.8			20	105.9			22	102			24	98.2			26	94.4			28	90.6		
*	adapter																							

# Lifting capacities

**TF 69**

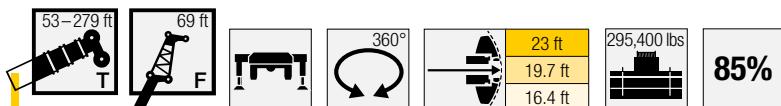


Lift height ft	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				Lift height ft	
					69 ft													
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
45	60.9																45	
50	58.6				53.2												50	
55	56.4				51.4				43.1				25.9				55	
60	54.2	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

# Lifting capacities

**TF 69**

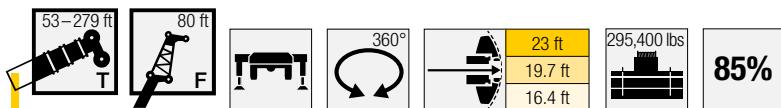


Lift height (ft)	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	69 ft																					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
60	23.5																				60	
65	26.2				19.1				20.9												65	
70	25.5				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

# Lifting capacities

**TF 80**

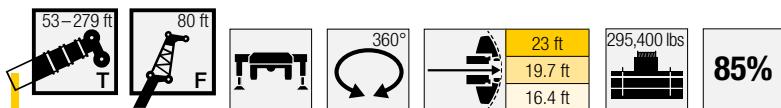


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lift height ft	
	80 ft				80 ft				80 ft				80 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
22	94.5																22	
24	90.2																24	
26	85.8																26	
28	81.6																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

# Lifting capacities

**TF 80**

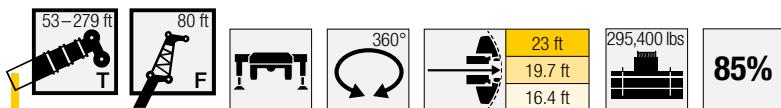


	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*					
	80 ft				80 ft				80 ft				80 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
45	54																45	
50	52.1				46.9												50	
55	50.1				45.5				35.2								55	
60	48.2	41.4			44.1				38.4				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

# Lifting capacities

**TF 80**

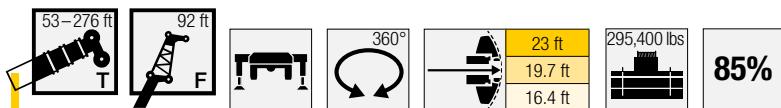


Lift height ft	243 ft + 7.5 ft*				259 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	80 ft				80 ft				80 ft				80 ft				80 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
65	23.8																				65	
70	23.1				16.7				18.3			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

\* adapter

# Lifting capacities

**TF 92**

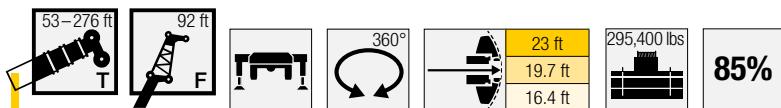


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				92 ft				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lift height ft	
	0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°					
	22	84.4																				22
24	81.1																					24
26	77.7																					26
28	74.2																					28
30	70.8																					30
32	67.8																					32
34	65.3																					34
36	63																					36
38	60.7																					38
40	58.4	52.2																				40
45	52.6	48																				45
50	48.7	44.3																				50
55	44.9	41	36.2																			55
60	41.1	37.6	33.7																			60
65	37.9	35.1	31.4																			65
70	35.4	32.7	29.4																			70
75	32.9	30.2	27.5																			75
80	30.5	28.3	25.9	22.1																		80
85	28	26.7	24.3	21.1																		85
90	26.1	25.1	22.9	20.3																		90
95	24.6	23.5	21.7	19.4																		95
100	23.1	22	20.6	18.6																		100
105	21.6	20.8	19.5	17.8																		105
110	20.2	19.8	18.5	17.1																		110
115	19.2	18.7	17.6	16.5																		115
120	18.2	17.6	16.8	15.9																		120
125	17.2	16.8	16	15.4																		125
130	16.2	16.1	15.4	15																		130
135	15.5	15.3	14.8	14.8																		135
140	14.8	14.7	14.3																			140
145	14.2	14.2	14.2																			145
150																						150
155																						155
160																						160
165																						165
170																						170
175																						175
180																						180
185																						185
190																						190
195																						195
200																						200
205																						205
210																						210
215																						215
220																						220
225																						225
230																						230
235																						235
240																						240
245																						245
250																						250

\* adapter

# Lifting capacities

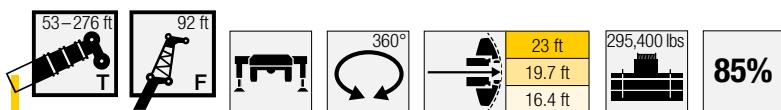
**TF 92**



	174 ft + 7.5 ft*				191 ft + 7.5 ft*				92 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°				0° 10° 20° 40°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	50	45.9			55	44.2			60	42.5	38.7		65	40.9	35	37.5	70	39.4	33.9	36.3	31.5	75	38.1	32.8	35.1	30.8	80	36.8	31.7	27.8	34	30	29.9	27	85	35.5	30.7	27.4	32.9	29.1	29.9	27	90	34.2	29.8	27	31.8	28.3	26.1	28.6	26.4	95	32.9	28.9	26.4	30.6	27.6	25.4	27.3	25.7	100	31.7	28	25.6	29.5	26.9	24.8	26	25	23.4	105	30.7	27.1	24.8	19.5	28.2	26.2	24.1	24.7	110	29.7	26.3	24	19.1	26.9	25.5	23.4	18.7	115	28.8	25.6	23.3	18.6	25.8	24.8	22.8	21.6	10.4	19.4	19.5	19.3	120	27.9	24.8	22.6	18.2	24.8	23.8	22.1	17.9	21.1	22	21.2	20.6	17.1	17.8	18.3	18.2	16.4	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	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	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	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	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	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	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	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	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	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	175	18.1	17.7	16.8	15	15.1	15.4	15.6	14.9	12.7	13.4	13.3	13.3	10.9	10.8	11.7	12.8	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	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	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	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	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	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	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	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	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	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	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	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	240	9.3

# Lifting capacities

**TF 92**

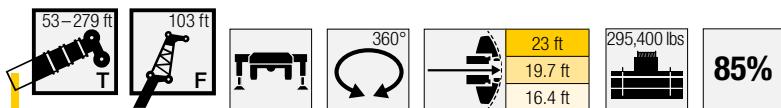


Lift height ft	243 ft + 7.5 ft*				259 ft + 7.5 ft*				92 ft				261 ft + 7.5 ft*				276 ft + 7.5 ft*		
	0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10° 20° 40°				0° 10°		
	18				15.6				12.3				11.3				11.7		
65	18																	65	
70	20.7																	70	
75	20.1				15.6													75	
80	19.6				15.3													80	
85	19				14.9													11.7	
90	18.4	18.3			14.5													11.4	
95	17.9	17.8			14.1	13.4												11	
100	17.4	17.2			13.7	13.1												10.6	10.6
105	16.9	16.7	12.8		13.3	12.8												10.3	10.3
110	16.4	16.2	16.3		12.9	12.4	11.9											9.9	10
115	15.9	15.7	15.8		12.5	12.1	11.6											9.5	9.7
120	15.4	15.2	15.3		12.1	11.7	11.3											9.1	9.4
125	14.9	14.8	14.8		11.7	11.4	11.1											8.6	9.1
130	14.3	14.3	14.4	13.1	11.3	11.1	10.8											8.2	8.7
135	13.7	13.9	13.9	12.9	10.8	10.8	10.5	9.2										7.8	8.3
140	13.1	13.4	13.5	12.7	10.4	10.4	10.2	9.1										7.3	7.9
145	12.4	12.9	13.1	12.4	10	10.1	9.9	8.9										6.9	7.5
150	11.8	12.4	12.6	12.2	9.5	9.8	9.6	8.7										6.4	7.2
155	11.1	11.8	12.2	11.9	9.1	9.4	9.4	8.6										6	6.8
160	10.4	11.2	11.7	11.7	8.6	9	9.1	8.4										5.5	6.3
165	9.8	10.6	11.2	11.4	8.2	8.7	8.8	8.3										5	5.9
170	9.1	10	10.8	11	7.7	8.3	8.5	8.1										4.5	5.5
175	8.5	9.4	10.3	10.7	7.2	7.9	8.2	8										4	5
180	8.1	8.9	9.8	10.3	6.8	7.5	8	7.8										4.5	5
185	7.8	8.3	9.3	9.9	6.3	7.1	7.7	7.6										4	4.5
190	7.4	7.6	8.7	9.4	5.8	6.7	7.4	7.5										3.5	4
195	7.1	7.2	8	8.9	5.2	6.2	7.1	7.2											195
200	6.7	6.9	7.4	8.4	4.7	5.7	6.6	6.8											200
205	6.4	6.6	6.8	7.9	4.2	5.2	6.1	6.5											205
210	6	6.3	6.5	7.4	3.6	4.6	5.5	6.1											210
215	5.6	5.9	6.2	6.8	2.9	4	4.9	5.8											215
220	5.3	5.6	5.9	6.3	2.2	3.5	4.3	5.4											220
225	4.9	5.3	5.6	6		2.8		4.9											225
230	4.6	5	5.2	5.7		2.1		4.4											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

# Lifting capacities

**TF 103**

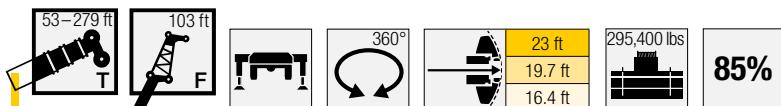


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lift height ft	
	103 ft				103 ft				103 ft				103 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
24	73.1																24	
26	70.6																26	
28	67.8																28	
30	65.1																30	
32	62.4																32	
34	59.8																34	
36	57.6				55.9												36	
38	55.8				54.6				52.7								38	
40	53.9				53.4				51.7								40	
45	49.3	44			50.2				49.1				45.9				45	
50	45	40.8			47.2				46.6				44				50	
55	41.8	37.8			44.8	38			44.2				42.1				55	
60	38.7	35.1	31.1		42.5	36.3			42.2	35.3			40.1				60	
65	35.6	32.3	29		40.2	34.6			40.3	33.9			38.6	32.7			65	
70	33	30.2	27.1		38	33			38.5	32.4			37.1	31.5			70	
75	30.9	28.2	25.4		36.1	31.7	27.5		36.6	31.1	27.8		35.7	30.3			75	
80	28.8	26.2	23.8		34.6	30.3	27		34.9	30	26.9		34.2	29.1	26.3		80	
85	26.8	24.5	22.4		33.1	28.9	26.1		33.6	28.8	26		32.8	28.2	25.6		85	
90	24.7	23.1	21.1	18	31.6	27.7	25		32.3	27.7	25.1		31.5	27.3	24.7		90	
95	22.9	21.8	19.8	17.2	30	26.6	23.9		31	26.6	24.1		30.4	26.3	23.9		95	
100	21.6	20.4	18.7	16.5	28.7	25.4	22.9	17.5	29.7	25.6	23.1		29.4	25.4	23.1		100	
105	20.4	19.1	17.8	15.8	27.4	24.3	22	17	28.5	24.7	22.2	17.1	28.4	24.5	22.2		105	
110	19.1	18	16.9	15.2	26.3	23.1	21.2	16.6	27.3	23.7	21.4	16.7	27.3	23.7	21.4	16.6	110	
115	17.9	17.1	16	14.6	25.2	22.2	20.3	16.1	26.3	22.7	20.7	16.2	26.3	22.9	20.7	16.2	115	
120	16.8	16.2	15.1	14	24.1	21.4	19.5	15.7	25.4	21.8	19.9	15.8	25.3	22.1	20	15.8	120	
125	15.9	15.3	14.5	13.5	23	20.6	18.8	15.2	24.4	21	19.2	15.4	24.5	21.3	19.4	15.4	125	
130	15.1	14.5	13.8	13	21.9	19.8	18.2	14.8	23.5	20.3	18.5	15	23.7	20.5	18.8	15	130	
135	14.2	13.8	13.1	12.6	20.8	19	17.6	14.5	22.5	19.6	18	14.6	22.9	19.8	18.2	14.7	135	
140	13.4	13.2	12.6	12.2	19.9	18.1	16.9	14.1	21.6	18.9	17.4	14.3	22.1	19.2	17.6	14.3	140	
145	12.8	12.5	12.1	12	19.2	17.4	16.3	13.7	20.6	18.2	16.9	13.9	21.3	18.6	17.1	14	145	
150	12.2	12	11.7	12	18.5	16.8	15.7	13.4	19.8	17.5	16.3	13.6	20.5	18	16.6	13.7	150	
155	11.6	11.6	11.6		17.7	16.2	15.3	13.1	19.1	16.9	15.8	13.3	19.8	17.4	16.2	13.4	155	
160					17	15.7	14.8	12.8	18.5	16.3	15.3	13	19	16.8	15.7	13.1	160	
165					16.3	15.1	14.4	12.5	17.8	15.8	14.9	12.8	18.2	16.2	15.2	12.9	165	
170					15.6	14.5	13.9	12.3	17.2	15.3	14.5	12.5	17.7	15.7	14.8	12.7	170	
175					15	14	13.5	12.1	16.5	14.8	14.1	12.3	17.1	15.2	14.4	12.4	175	
180					14.5	13.6	13.1	11.9	15.9	14.4	13.7	12.1	16.6	14.8	14	12.3	180	
185					14	13.2	12.8	11.8	15.2	13.9	13.3	12	16	14.4	13.7	12.1	185	
190					13.5	12.8	12.5	11.7	14.8	13.4	13	11.8	15.5	14	13.4	11.9	190	
195					13	12.5	12.2	11.6	14.3	13.1	12.7	11.7	15	13.6	13.1	11.8	195	
200					12.5	12.1	11.9	11.6	13.9	12.8	12.4	11.6	14.5	13.2	12.7	11.7	200	
205					12.2	11.8	11.7	11.6	13.5	12.4	12.2	11.6	14	12.8	12.5	11.6	205	
210					11.8	11.5	11.6	11.6	13	12.1	11.9	11.6	13.7	12.5	12.2	11.5	210	
215					11.5	11.3	11.4		12.6	11.8	11.7	11.6	13.3	12.3	12	11.5	215	
220					11.2	11.1	11.4		12.2	11.5	11.6	11.6	13	12	11.8	11.5	220	
225					11.1	11.1			11.9	11.4	11.4	11.6	12.6	11.8	11.6	11.5	225	
230									11.7	11.2	11.3		12.3	11.5	11.4	11.5	230	
235									11.4	11.1	11.3		11.9	11.3	11.3	11.5	235	
240									11.2	11	11.3		11.4	11	11.2		240	
245									6.2				10.9	10.7	11.1		245	
250													10.4	10.4	10.9		250	
255													9.9	10.1	10.3		255	
260													6.3	8			260	

\* adapter

# Lifting capacities

**TF 103**

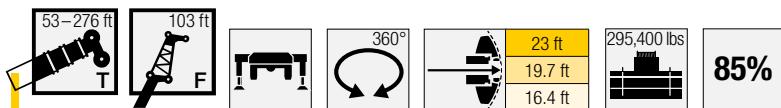


Lift height ft	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				Lift height ft	
					103 ft													
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
50	40.5																50	
55	39.1				35.3												55	
60	37.6				34.3				30.1								60	
65	36.2				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

# Lifting capacities

**TF 103**

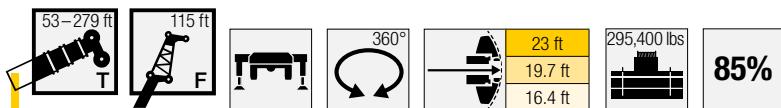


	243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*		
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	
70	18.8														70
75	18.3				13.8										75
80	17.8				13.5				10.9						80
85	17.3				13.2				10.6						85
90	16.8				12.8				10.3				9.9		90
95	16.3	16.1			12.5				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	5.6	3.6	4.5	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

# Lifting capacities

**TF 115**

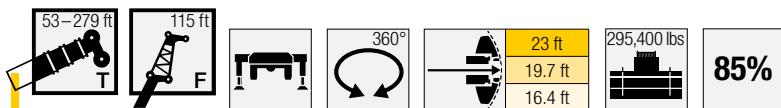


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*									
	115 ft				115 ft				115 ft				115 ft				115 ft									
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°						
26	63.6																				26					
28	61.6																				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				50				
55	38.2	34.9							40.9					39.5				37.5				55				
60	35.7	32.5							38.9	32.5				37.6				35.8				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

# Lifting capacities

**TF 115**

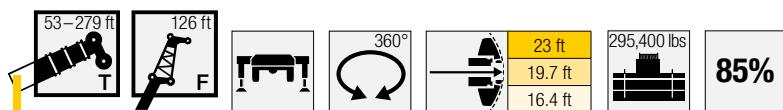


Lift height ft	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*				
									115 ft																				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	7.5 ft*			
60	30.3																									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							85	
90	25.1	22.7							23.3	20.9			18.9				14.9				11							8.6	
95	24.4	22							22.6	20.4			18.3	18			14.4				10.7							8.4	
100	23.6	21.4	19						21.8	19.9			17.8	17.5			14	13.8			10.4						8.1		
105	22.9	20.8	18.4						21.1	19.4			17.3	17			13.5	13.5			10.1	9.6					7.8		
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	
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	
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	
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	
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	
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
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
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
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	
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
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		
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		
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		
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		
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		
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	5.3	5.5	5.3	2.7	3.5	3.9			
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			
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			
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			
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				
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				
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				
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					
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					
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			
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	3.4	4.3										230		
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																									290	
295	2	2.4	2.6																									295	
300	2	2																										300	

\* Adapter

# Lifting capacities

**TF 126**

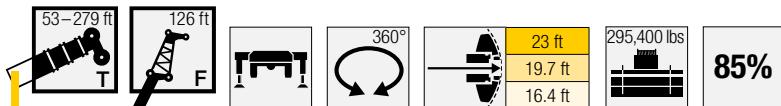


Lift height from ground level ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lift height from ground level ft	
	126 ft				126 ft				126 ft				126 ft				126 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
28	55.6																				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	7.6	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

# Lifting capacities

**TF 126**

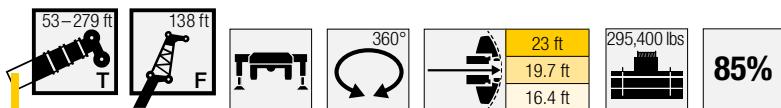


Capacity (t)	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*					
	126 ft				126 ft				126 ft				126 ft				126 ft				126 ft				126 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
60	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	5.6		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	5.4		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	5.1		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	4.7		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	4.3		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	3.9		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	3.5		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	3		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

# Lifting capacities

**TF 138**

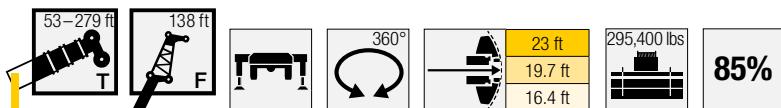


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lift height ft	
	138 ft				138 ft				138 ft				138 ft				138 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
30	50																				30	
32	48.5																				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	7.7	7.5	6.9	6.2	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		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	6	6	4.9	5.2	5.3	5.7	270	
275										5.9	6			6	6	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

# Lifting capacities

TF 138

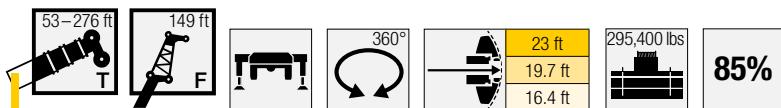


Lift height ft	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*				276 ft + 7.5 ft*				279 ft + 7.5 ft*				
	138 ft				138 ft				138 ft				138 ft				138 ft				138 ft				138 ft				
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	
60	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				1.9																	290				
295																										295			

\* adapter

# Lifting capacities

**TF 149**

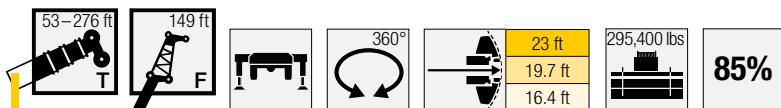


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lift height ft	
									149 ft													
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
32	43.7																				32	
34	42.4																				34	
36	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

# Lifting capacities

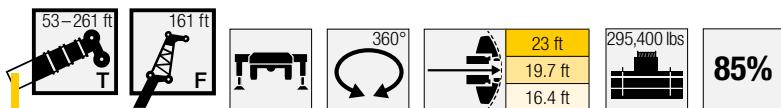
TF 149



\* adapter

# Lifting capacities

**TF 161**

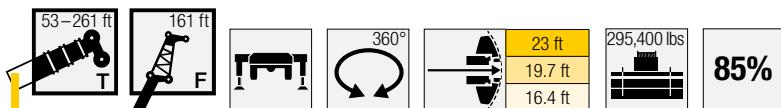


Jib length	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Jib length	
	161 ft																					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
34	38.6																				34	
36	37.5																				36	
38	36.5																				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	4.4	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	1.9	305
310													3.2	3.3	3.4				1.6	2	2.3	310
315													3.2								315	

\* adapter

# Lifting capacities

**TF 161**

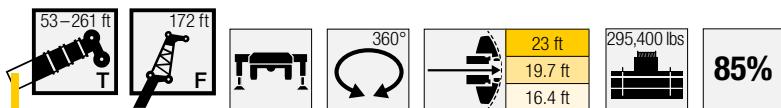


	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				261 ft + 7.5 ft*			
	161 ft				0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	0°
65	18.6																			65
70	18.1																			70
75	17.5				15.2															75
80	16.9				14.8															80
85	16.4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

# Lifting capacities

**TF 172**

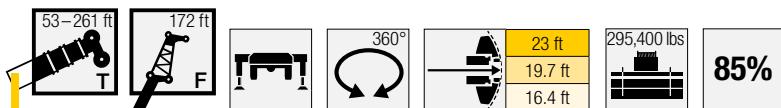


Lift height ft	53 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				174 ft + 7.5 ft*				Lift height ft	
	172 ft				172 ft				172 ft				172 ft				172 ft					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
36	34.3																				36	
38	33.4																				38	
40	32.4																				40	
45	30.1																				45	
50	27.9				26.8				25												50	
55	26				25.5				24.1												55	
60	24.4				24.2				23												60	
65	22.7				23				21.9												65	
70	21.1	19.9			21.9				20.9												70	
75	19.6	18.7			20.9				20												75	
80	18.5	17.4			19.9	16.7			19.2												80	
85	17.3	16.3			18.9	15.9			18.3	15.4											85	
90	16.1	15.2			17.9	15.2			17.5	14.7											90	
95	15	14.1			17	14.5			16.7	14.1											95	
100	14	13	11.7		16.2	13.8			15.9	13.5											100	
105	13.1	12.2	10.9		15.6	13.3			15.2	12.9											105	
110	12.3	11.5	10.3		14.9	12.7	10.8		14.6	12.4											110	
115	11.6	10.8	9.7		14.2	12.1	10.3		14	11.9	10.1										115	
120	10.8	10	9.1		13.5	11.5	9.8		13.4	11.4	9.7										120	
125	10.1	9.4	8.6		12.9	11	9.4		12.9	10.8	9.3										125	
130	9.3	8.8	8.1		12.2	10.5	9		12.3	10.4	8.9										130	
135	8.6	8.3	7.7		11.6	10.1	8.6		11.7	10	8.6										135	
140	8	7.9	7.2		11.2	9.6	8.2		11.1	9.6	8.2										140	
145	7.6	7.4	6.8	5.4	10.7	9.2	7.9		10.7	9.2	7.9										145	
150	7.2	7	6.4	5.2	10.3	8.7	7.6		10.3	8.8	7.5										150	
155	6.8	6.5	6.1	4.9	9.8	8.4	7.2	5.2	9.9	8.4	7.2										155	
160	6.3	6.1	5.8	4.7	9.4	8	6.9	5	9.5	8	6.9	5									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	4.8	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	4.7	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	4.5	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	4.4	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	4.2	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	4.1	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	3.9	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	3.8	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	3.6	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	3.5	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	3.4	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	3.3	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	3.2	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	3.1	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	2.9	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	2.8	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	2.7	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	2.6	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	2.5	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	2.4	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	2.4	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	2.3	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	2.3	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	2.3	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	2.3	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	2.2	290
295						2.4	2.3			2.6	2.4	2.3		2.8	2.5	2.2	2.3	1.6	2	1.8	2.2	295
300										2.5	2.3	2.3		2.6	2.3	2.1	2.3		1.6	1.6	2.1	300
305										2.3	2.2	2.2		2.5	2.3	2.1	2.3			2		305
310										2.2	2.2			2.4	2.2	2.1	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

# Lifting capacities

**TF 172**

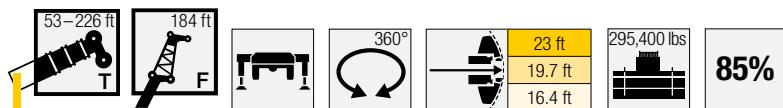


Lift height ft	191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				243 ft + 7.5 ft*				259 ft + 7.5 ft*		261 ft + 7.5 ft*	
					172 ft															
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	0°	10°	20°	0°	0°	0°	0°	0°	0°
70	16.1																			70
75	15.6				13.5															75
80	15.1				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

# Lifting capacities

**TF 184**

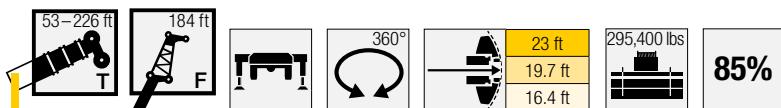


Lift height ft	53 ft + 7.5 ft*				105 ft + 7.5 ft*				122 ft + 7.5 ft*				139 ft + 7.5 ft*				157 ft + 7.5 ft*				Lift height ft	
	184 ft																					
	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°	0°	10°	20°	40°		
38	30.3																				38	
40	29.5																				40	
45	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

# Lifting capacities

**TF 184**

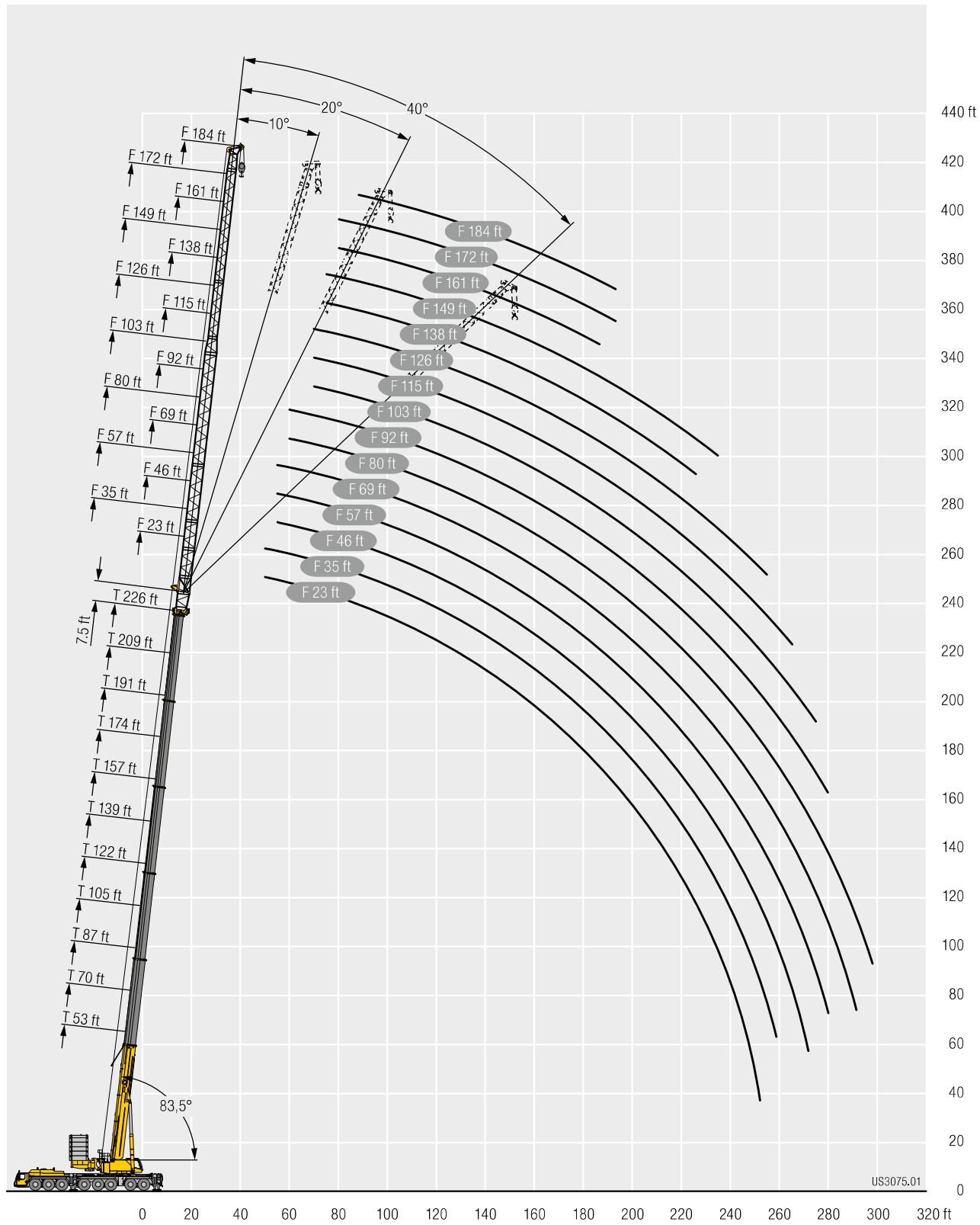


Lift height ft	174 ft + 7.5 ft*				191 ft + 7.5 ft*				209 ft + 7.5 ft*				226 ft + 7.5 ft*				
					184 ft												
	0°	10°	20°	40°	0°	10°	20°	0°	10°	20°	0°	10°	20°	0°	10°	20°	
65	16.5																65
70	15.9				14												70
75	15.3				13.6												75
80	14.7				13.1						11.3						80
85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

\* adapter

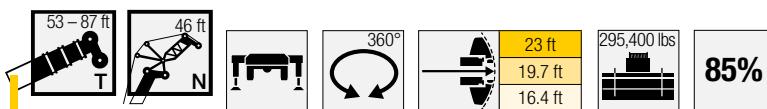
# Lifting heights

TF



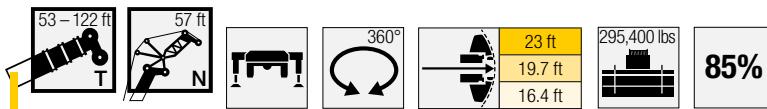
# Lifting capacities

**TN 46 - 57**



Lift height m (ft)	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			Lift height m (ft)	
	46 ft			46 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						32	
34	259.4			245.8						34	
36	255.7			239.8						36	
38	250.1			233.6						38	
40	243.6	258.2		227.1						40	
45	220.9	232.1		210.1	207.3					45	
50	192	210.2		189.1	205					50	
55		191.4	184.3	155.9	186.9					55	
60		174.7	168.6		171.6					60	
65			154.9		156.6	150.2				65	
70						138.5				70	
75						128.2				75	
80										80	

\* adapter

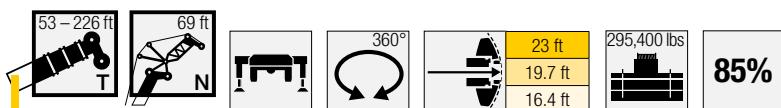


Lift height m (ft)	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			Lift height m (ft)	
	57 ft			57 ft			57 ft			57 ft			57 ft				
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°		
30	261.6															30	
32	261.5			245.1												32	
34	259.9			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

# Lifting capacities

**TN 69**



	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*				
	69 ft			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	
100											88.3		84.3		88.3	79.1		84.3		100
105											83.7			79.7			74.8		105	
110													75.5			71		110		
115																67.4		115		
120																64		120		
125																	56.5		125	

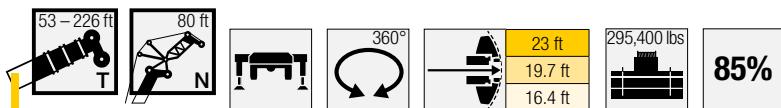
\* adapter

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	69 ft			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			30.2					21.7			16.1			125
130			40.6			28.9											130
135					27.7				20								135
140									19.1					12.5			140
145																	145
150																	150
155																	155
160														6.2			160

\* adapter

# Lifting capacities

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

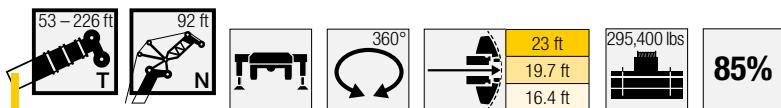
\* adapter

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	80 ft			80 ft			80 ft			80 ft			80 ft				
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				30.4		28.1			19.7			105
110		51.6			39.4												110
115		49.9			38.1			29.2			21.3						115
120		48.4			36.8			28.1			21.4						120
125			41.3		35.6			27			20.5			15			125
130			39.6					26			19.7			14.3			130
135			38.1			28				18.9			13.7			135	
140			36.7			26.8							13.1			140	
145			35.4			25.7			18.2								145
150						24.7			17.4								150
155								16.6				9.3					155
160												10.6					160
165												10.2					165
170													4.9				170

\* adapter

# Lifting capacities

**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																				
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	45.7		135
140															52.1			47.8			140
145																		45.7			145
150																		43.6			150

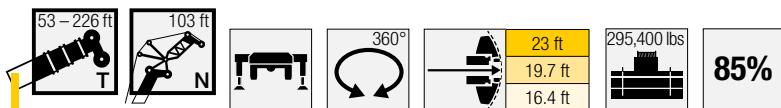
\* adapter

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	92 ft																
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		23.3			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					16					155	
160					22.1						15.3					160	
165											14.6			9.8		165	
170											13.9			9.4		170	
175														9		175	
180															4.5		180

\* adapter

# Lifting capacities

**TN 103**



	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*					
	103 ft																				
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						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	

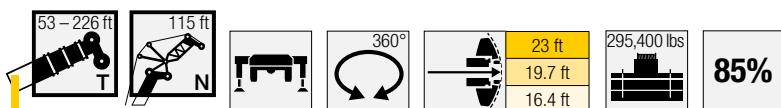
\* adapter

	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*				
	103 ft																
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			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			185	
190														3.7			190

\* adapter

# Lifting capacities

**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		57.5	50.6		54.6	46.6		140
145							55				52.1		55	48.4		52.2	44.5		145		
150							52.6				49.9			46.3		49.9	42.5		150		
155											47.8			44.3			40.7			155	
160													42.4				38.9			160	
165													40.6				37.3			165	
170																35.7			170		

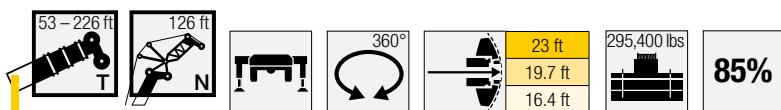
\* adapter

	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						80		
85	53.5			40.8			30			20.7						85		
90	52.9			40.3			29.7			20.5						90		
95	52.2			39.9			29.4			20.2						95		
100	51.5			39.4			29			20						100		
105	50.7			39			28.7			19.8						105		
110	49.8	43.9		38.5			28.4			19.6						110		
115	48.9	42.8		38.1	31.8		28.1			19.4						115		
120	48.1	41.6		37.6	31.4		27.8			19.2						120		
125	47.2	40.5		37.2	30.3		27.5	23		19						125		
130	45.2	39.4		36.8	29.3		27.3	22.2		18.8						130		
135		38.3		36.6	28.4		27.1	21.4		18.6	15.4					135		
140		37.3			27.6			20.6		18.4	14.9					140		
145		36.4	31.7		26.8			19.9			14.3					8.8		
150		35.5	30.5		26			19.2			13.8					8.6		
155		34.8	29.5		25.3	20.6		18.5			13.3					8.4		
160			28.5		24.7	19.8		17.9			12.8					8.3		
165			27.5			19		17.3	10.5		12.4					8.2		
170			26.6			18.2			11.9		11.9					8.1		
175			25.9			17.5			11.3							8		
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

# Lifting capacities

**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						101									55	
60	133.1			127.1			115.6			100.9			83.2			65.6			60	
65	131.1			125.8			114.8			100.4			83.5			65.8			65	
70	129.3			124.4			114												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		59.9	54.1	62.1	57.6	50.5	63.3	54.2		140	
145				59.5		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	

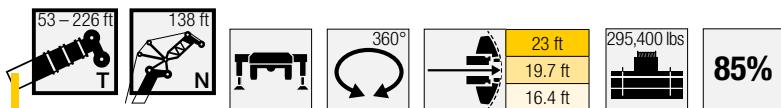
\* adapter

	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°	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								85
90	48.7			37.1			26.7			17.8								90
95	48.1			36.7			26.4			17.5								95
100	47.6			36.2			26.2			17.3								100
105	47.1			35.9			25.9			17.1								105
110	46.5			35.5			25.6			16.9								110
115	45.8	40.3		35.1			25.3			16.7								115
120	45	39.4		34.7			25			16.5								120
125	44.3	38.5		34.3	29		24.8			16.4								125
130	43.6	37.6		34	28.1		24.6	20.8		16.3								130
135	42.9	36.6		33.6	27.1		24.3	20.3		16.2								135
140	41	35.6		33.3	26.2		24.1	19.6		16.2	13.8							140
145	39.6	34.7		33.1	25.4		24	18.9		16.2	13.4							145
150		33.8			24.7		23.8	18.3		16.2	12.9							150
155		33	28.5		24			17.7			12.4							155
160		32.3	27.4		23.4			17.1			12							160
165		31.7	26.6		22.7	18.2		16.5			11.5							165
170			25.7		22.2	17.4		15.9			11.1							170
175			24.8			16.8		15.4	10.8		10.8							175
180			24.1			16.1			10.4		10.5							180
185			23.4			15.5			10			6.3						185
190			22.9			15		14.5			9.7							190
195											9.3							195
200											9							200
205																		205
210																		210

\* adapter

# Lifting capacities

**TN 138**



Lift height ft	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			Lift height 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		42.9	35.9	165	
170									43.8			41.4		43.9	38.1		41.1	34.4	170	
175									42.1			39.7			36.6		39.5	33	175	
180												38.1			35.1			31.6	180	
185															33.8			30.4	185	
190																	29.1	190		
195																	28	195		

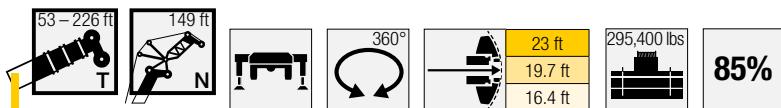
\* adapter

Lift height ft	157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			226 ft + 13 ft*			Lift height ft	
	138 ft																
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°		
75	45.7																75
80	45.3			34.1			22										80
85	44.9			33.9			24			15							85
90	44.5			33.6			23.8			14.8							90
95	44			33.3			23.6			14.5							95
100	43.5			32.9			23.4			14.3							100
105	43.1			32.5			23.2			14.1							105
110	42.6			32.2			22.9			13.8							110
115	42.2			31.9			22.7			13.7							115
120	41.6	36.6		31.5			22.4			13.5							120
125	41	35.8		31.2			22.2			13.3							125
130	40.4	35		30.9	26.2		22			13.2							130
135	39.8	34.2		30.5	25.4		21.8	18.5		13.1							135
140	39.2	33.4		30.2	24.6		21.6	18		12.9							140
145	38.6	32.6		29.9	23.8		21.4	17.4		12.8	11.4						145
150	36.9	31.7		29.6	23		21.2	16.8		12.8	11.2						150
155	35.9	30.9		29.4	22.2		21	16.2		12.8	11						155
160	30.2	26		21.6			20.9	15.7		12.8	10.7						160
165		29.5	25.2		21			15.1			10.4						165
170		28.9	24.3		20.4	16.2		14.6			10						170
175		28.3	23.5		19.9	15.5		14.1			9.7						175
180		28	22.7		19.4	14.9		13.6	9.4		9.4						180
185					22			14.3		13.2	9.1						185
190					21.3			13.8			8.8						190
195					20.7			13.2			8.4				4.9		195
200					20.1			12.7			8.1				4.6		200
205							12.2								4.3		205
210															4.1		210
215															3.8		215
220															3.6		220

\* adapter

# Lifting capacities

**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			102.5			93.6												60	
65	107.9																		65	
70	106.5			101.6			93			82			68.1			53.7			70	
75	105.2			100.8			92.4			81.7			68.2						75	
80	103.9			99.9			91.8			81.2			68.4			53.8			80	
85	102.6			99.1			91.1			80.8			68.6			53.9			85	
90	101.1	99.3		98.2			90.5			80.4			68.7			54			90	
95	99.6	98		97.3	95.3		90			80			68.8			53.9			95	
100	97.9	94		96.1	91		89.4	86.7		79.7			68.8			53.9			100	
105	94.2	89.4		92.5	86.6		88.9	83.1		79.4	78.1		68.7			53.8			105	
110	89.8	85.2		88.2	82.5		86.1	79.2		79.1	75.9		68.5	66		53.8			110	
115	85.7	81.3	77.2	84.2	78.9		82.5	75.6		78.6	72.4		68.4	65.7		53.7			115	
120	81.6	77.7	73.7	80.6	75.5		79	72.2		76.9	69.1		68.2	64.6		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		68.1	62.1		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		67.9	59.7		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		66.2	58.3		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	63.5	56		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	61.3	53.7		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	58.8	51.4	44.6	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	56.3	49.3	42.7	53.5	46.7	28	155	
160		52.7	51.6		53.1	49.5	44.2	51.7	47.4	52.6	49.7	44.4	53.4	47.2	40.9	52.5	44.7	37.4	160	
165			49.5		50.9	47.5		49.6	45.5		47.6	42.6		45.3	39.2	50.5	42.9	35.8	165	
170			47.6			45.7		47.7	43.7		45.8	40.9		43.5	37.6		41.2	34.3	170	
175					43.9			42			44	39.3		41.8	36.1		39.5	32.9	175	
180					42.2				40.3			37.7		40.2	34.6		38	31.6	180	
185									38.8			36.3			33.3		36.5	30.3	185	
190												34.9			32			29.1	190	
195															30.8			27.9	195	
200															29.6			26.8	200	
205																		25.8	205	

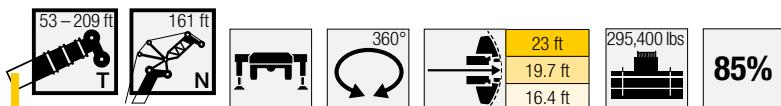
\* adapter

	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°	75°	67°	83°	75°	67°	
80	41.4			28.9			21.6												80
85	41.2			30.8															85
90	40.8			30.6			21.5			12.4								5.3	90
95	40.5			30.3			21.3			12.2								5.1	95
100	40.1			30.1			21.1			12								4.9	100
105	39.7			29.8			20.9			11.8								4.7	105
110	39.3			29.5			20.7			11.6								4.5	110
115	38.9			29.2			20.5			11.3								4.3	115
120	38.5			28.9			20.3			11.2								4.1	120
125	38.1	33.5		28.6			20.1			11								3.9	125
130	37.6	32.8		28.3			19.9			10.8								3.7	130
135	37.1	32.1		28	23.9		19.7			10.7								3.5	135
140	36.6	31.4		27.7	23.3		19.5	16.6		10.5								3.4	140
145	36.1	30.7		27.4	22.6		19.4	16.2		10.4								3.2	145
150	35.6	30		27.2	21.9		19.2	15.7		10.3	9								150
155	35	29.3		26.9	21.1		19	15.2		10.2	8.8								155
160	33.5	28.6		26.7	20.4		18.9	14.7		10.2	8.6								160
165	32.6	27.9	24.1	26.5	19.8		18.7	14.2		10.2	8.5								165
170	27.3	23.2		26.4	19.1		18.6	13.7		10.2	8.3								170
175		26.7	22.5		18.6	14.5		13.2			10.2	8.2							175
180		26.2	21.7		18.1	14.1		12.8				8.1							180
185		25.7	21		17.7	13.5		12.3				8							185
190		25.3	20.3		17.2	12.9		11.9	8.1			7.9							190
195		19.6			16.8	12.4		11.5	7.8			7.7							195
200		19.1				11.9		11.2	7.5			7.6	4						200
205		18.5				11.4			7.2			7.4	3.8						205
210		18.1				11				6.9				3.5					210
215						10.7				6.6				3.3					215
220						10.3				6.3									220
225										6									225

\* adapter

# Lifting capacities

**TN 161**

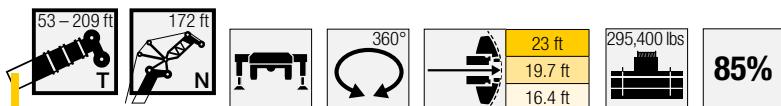


	161 ft																							
	53 ft + 13 ft*	70 ft + 13 ft*	87 ft + 13 ft*	105 ft + 13 ft*	122 ft + 13 ft*	139 ft + 13 ft*	157 ft + 13 ft*	174 ft + 13 ft*	191 ft + 13 ft*	209 ft + 13 ft*														
65	97.9		92.5													65								
70	96.7		91.8		84		71.9									70								
75	95.6		91.1		83.5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

\* adapter

# Lifting capacities

**TN 172**

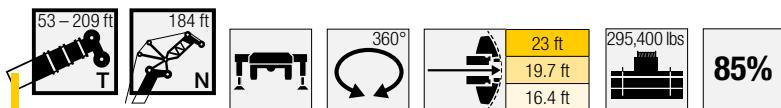


	172 ft																														
	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*			
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°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

# Lifting capacities

**TN 184**

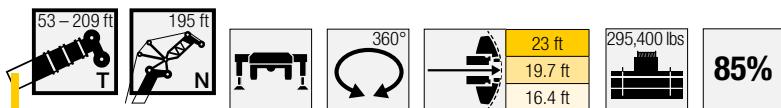


	184 ft												13 ft*				209 ft +			
	53 ft + 13 ft*	70 ft + 13 ft*	87 ft + 13 ft*	105 ft + 13 ft*	122 ft + 13 ft*	139 ft + 13 ft*	157 ft + 13 ft*	174 ft + 13 ft*	191 ft + 13 ft*	13 ft*										
70	79																70			
75	78.2		74.1		68.2												75			
80	77.4		73.5		67.7		59.9										80			
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		95			
100	73.8		70.8		65.8		58.8		50.4		39.5		30.1		21.1		5.1			
105	72.8 72		70		65.3		58.5		50.4		39.5		29.8		20.9		100			
110	70.7 71.2		68.8 69.1		64.8		58.2		50.4		39.4		29.6		20.7		4.8			
115	68.6 70.4		67 68.4		63.7 63.9		57.8		50.3		39.4		29.4		20.4		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		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		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		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		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		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		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		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	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		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		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		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		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		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		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		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		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	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	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		12.7		10.8 7.5		7	3.5		230	
235										18.5		12.3		7.2			6.8 3.2		235	
240										17.8		12				7			240	
245												11.6				6.7			245	
250																6.4			250	
255																6.2			255	

\* adapter

# Lifting capacities

**TN 195**

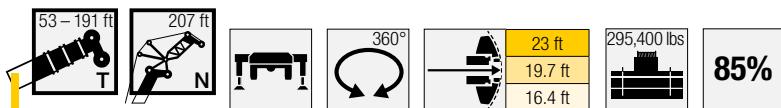


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			209 ft + 13 ft*								
	195 ft												195 ft												195 ft											
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°					
75	68.5																														75					
80	67			65.3			62.1																							80						
85	65.4			63.9			61.1			55.1			46.3			36.3														85						
90	63.7			62.6			60.1			54.9			46.3																	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								100						
105	58.5			58.4			56.9			53.6			46.5			36.3			27.7			19								3.8	105					
110	56.8	59.5		56.9			55.8			52.9			46.5			36.3			27.5			18.8								3.6	110					
115	55	57.8		55.3	58.1		54.7			52.1			46.4			36.2			27.4			18.6								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								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								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	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	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	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	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	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								8.3	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								8.3	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	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	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	205			
210			33.5		32.8	32.4		33.7	30.8		32.7	28.5	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	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	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	220			
225						29.2			27.7		25.5		27.6	23		25.5	20.1		16.7	13		10.5	7.6									6.1	225			
230						26.7			24.6		22.2		24.6	19.3		16.5	12.5		10.3	7.3												6.1	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			11.1			6.5									245					
250															16.4			10.9			6									6.3	250					
255																															5.5	255				
260																																5.8	260			
265																																	5.5	265		

\* adapter

# Lifting capacities

TN 207

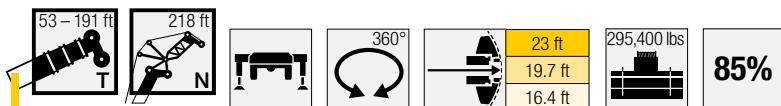


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*				
	207 ft																												
80	63.3			61.2																							80		
85	62			60.3			56.3			50																85			
90	60.8			59.2			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		32.5	29.8		31.2	27.9		29.7	25.7	30.8	27.9	23.1	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		30.1	26.9		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

# Lifting capacities

**TN 218**

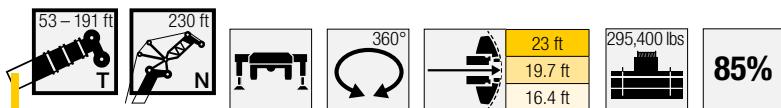


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*				
	218 ft									218 ft									218 ft										
85	55.2			53.7						44.6																		85	
90	54.2			52.8			50.2			44.6			37.6			29.3												90	
95	53.2			52			49.6			44.6			37.6			29.2			21.5									95	
100	52.2			51.1			48.9			44.4			37.6			29.1			21									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		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														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			8					3.1	280	

\* adapter

# Lifting capacities

**TN 230**

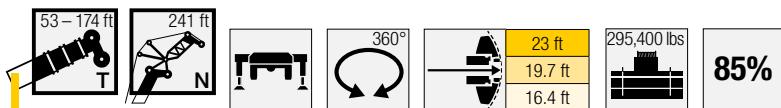


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*			191 ft + 13 ft*			
	230 ft									13 ft*																		
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	
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	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																												275
280																												280
285																												285
290																												290

\* adapter

# Lifting capacities

**TN 241**

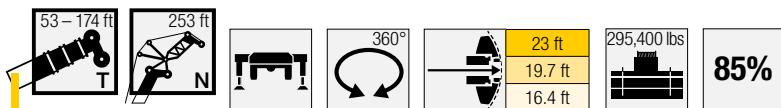


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*				
	241 ft																									
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°			
90	39.8																							90		
95	38.6			38.8			38.8																	95		
100	37.4			37.6			37.7			36.1			31											100		
105	36.3			36.5			36.6			35.4			31											105		
110	35.2			35.4			35.5			34.7			31											110		
115	34.1			34.3			34.4			33.9			30.8											115		
120	33.1			33.3			33.3			33			30.6											120		
125	32.1			32.3			32.4			32.2			30.3											125		
130	31.1	32.7		31.3			31.5			31.3			29.9											130		
135	30.1	31.8		30.4	32.4		30.6			30.5			29.4											135		
140	29.4	30.8		29.5	31.4		29.6	31.9		29.6			28.9											140		
145	28.6	30		28.8	30.6		28.9	31.1		28.8			28.4											145		
150	27.9	29.1		28.1	29.7		28.2	30.2		28.1	30.5		27.8											150		
155	27.1	28.4		27.3	28.9		27.5	29.4		27.5	29.7		27.2	28.6										155		
160	26.4	27.6		26.6	28.2		26.8	28.6		26.8	29		26.6	28.3										160		
165	25.8	26.9		25.9	27.5		26.1	27.9		26.2	28.2		26	27.9										165		
170	25.2	26.3	27.4	25.4	26.8		25.5	27.2		25.5	27.5		25.4	27.4										170		
175	24.7	25.7	26.7	24.8	26.1	27.5	24.9	26.5		25	26.9		24.9	26.9										175		
180	24.1	25.1	26.1	24.3	25.6	26.8	24.4	25.9		24.4	26.2		24.4	26.4										180		
185	23.6	24.5	25.5	23.8	25	26.2	23.9	25.3	26.9	24	25.6		23.9	25.8										185		
190	23.1	24	24.9	23.2	24.4	25.6	23.4	24.8	26.2	23.5	25.1		23.4	25.2										190		
195	22.7	23.6	24.4	22.8	23.9	25	22.9	24.3	25.6	23	24.6	26.2	23	24.7										195		
200	22.3	23.1	23.9	22.4	23.4	24.5	22.5	23.7	25.1	22.5	24	25.6	22.5	24.2	22.7									200		
205	22	22.7	23.4	22.1	23	24	22.1	23.3	24.5	22.2	23.5	25.1	22.1	23.8	22.8									205		
210	21.6	22.2	23	21.7	22.5	23.5	21.8	22.9	24	21.8	23.1	24.5	21.8	23.3	22.7									210		
215	21.2	21.9	22.5	21.3	21.1	23.1	21.4	22.4	23.5	21.5	22.7	24	21.5	22.8	21.9									215		
220	21	21.5	22.2	21	21.8	22.6	21	22	23.1	21.1	22.3	23.4	21.1	22.5	21.1									220		
225	20.7	21.2	21.8	20.7	21.4	22.2	20.8	21.7	22.7	20.8	21.9	23	20.8	22.1	20.4									225		
230	20.4	20.9	21.4	20.5	21.1	21.9	20.5	21.3	22.3	20.6	21.5	22.3	20.5	21.7	19.7									230		
235	20	20.7	21.1	20.3	20.8	21.5	20.3	21	21.9	20.3	21.2	21.5	20.3	21.3	19									235		
240	19.2	20.4	20.9	20.1	20.6	21.2	20.1	20.7	21.5	20.1	20.9	20.6	20.1	21	18.2									240		
245	17.3	20.2	20.6	20	20.4	20.9	20	20.5	21.2	19.9	20.6	19.9	19.9	20.8	17.5									245		
250		20.2	20.4		20.2	20.6	19.4	20.3	20.9	19.8	20.4	19.1	19.8	20.5	16.8	20	18.9	14.6	12.7	10.3	7.9	5.7	3.6	250		
255		19.5	20.3		20.1	20.4		20.1	20.3		20.2	18.4	19.7	20.2	16.1	20	18.8	13.9	12.5	10.2	7.7	5.7	3.6	255		
260			20.2				20.3			20	19.6		20	17.7			19.7	15.4		18.2	13.3	11.4	10	7.5	5.7	3.6
265					20.1			20	18.9		19.9	17		19	14.8			17.5	12.7		9.9	7.2			3.6	265
270						19.8			18.2			16.4		18.3	14.2			16.9	12.2		9.7	7			3.6	270
275							17.6			15.8			13.6		16.2	11.6			9.6	6.8		6.3			3.6	275
280										15.1			13.1					11.2			9.5	6.6			3.6	280
285										14.6			12.5					10.7			6.3				3.6	285
290																	12				10.3			6.1		290
295																	9.9				5.9			5.7		295
300																									5.6	300
305																									5.6	305

\* adapter

# Lifting capacities

**TN 253**

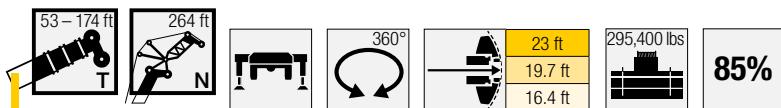


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*		
	253 ft																							
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	83°	
95	38.2			38.2																			95	
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	115	
120	33.2			33.4			33.2			31.6			27.7			19.8			12.9			6.4	120	
125	32.3			32.4			32.4			31.1			27.5			19.5			12.6			6.2	125	
130	31.5			31.6			31.5			30.6			27.4			19.3			12.4			6	130	
135	30.6	32.1		30.7			30.8			30			27.2			19.1			12.2			5.8	135	
140	29.7	31.1		29.9	31.6		30			29.4			27			18.8			11.9			5.6	140	
145	29	30.3		29.1	30.8		29.2	31.1		28.9			26.8			18.6			11.7			5.4	145	
150	28.3	29.5		28.4	30		28.5	30.4		28.3			26.6			18.4			11.5			5.2	150	
155	27.7	28.8		27.8	29.3		27.9	29.6		27.7	29.1		26.4			18.2			11.3			5	155	
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	160	
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	165	
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	170	
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	175	
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	180	
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	185	
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	190	
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	195	
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	200	
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	205	
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	210	
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		215		
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		220		
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		225	
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		230	
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		235	
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		240	
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		245	
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		250	
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		255	
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		260	
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		265	
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		270	
275			19.9		18.4	17.7		19.6	16.8		18.3	15		17.3	13.3		14.9	11		7.5	5.2		275	
280						15.6					16.2	14.4		16.6	12.7		14.8	10.6		7.4	5.1		280	
285											13.8		16	12.2		14.3	10.2		7.4	5.1		285		
290											12.7		13.2		11.6		13.7	9.8		7.4	5		290	
295													11.2			9.4			4.8			295		
300													10.8			9			4.6			300		
305																8.6			4.4			305		
310																8.3			4.2			310		
315																4.1						315		

\* adapter

# Lifting capacities

**TN 264**

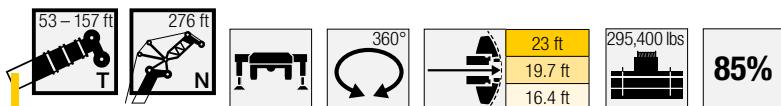


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*			174 ft + 13 ft*							
	264 ft									264 ft									264 ft										
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°		
100	34.2			33.6																								100	
105	33.3			32.9																								105	
110	32.5			32.2																								110	
115	31.7			31.4																								115	
120	30.8			30.7																								4.4	120
125	30			30																								4.2	125
130	29.3			29.3																								4	130
135	28.6			28.6																								3.8	135
140	27.9	29		28																								3.5	140
145	27.2	28.3		27.3	28.6																							3.3	145
150	26.6	27.7		26.6	28																							3.1	150
155	26	27		26.1	27.4																							8.8	155
160	25.5	26.4		25.6	26.8																							8.6	160
165	25	25.8		25	26.2																							8.4	165
170	24.4	25.3		24.5	25.6																							8.2	170
175	23.9	24.8		24	25.1																							8	175
180	23.5	24.3	25.1	23.5	24.6																							7.8	180
185	23.1	23.8	24.6	23.1	24.1																							7.6	185
190	22.7	23.4	24.1	22.7	23.7	24.6																						7.4	190
195	22.3	23	23.7	22.4	23.3	24.1																						7.3	195
200	21.9	22.6	23.2	22	22.9	23.7																						7.1	200
205	21.5	22.2	22.9	21.6	22.4	23.3																						7	205
210	21.3	21.9	22.5	21.3	22	22.9																						6.9	210
215	21	21.5	22.1	21	21.7	22.5																						6.8	215
220	20.7	21.2	21.8	20.8	21.4	22.1																						6.6	220
225	20.5	20.9	21.5	20.5	21.1	21.8																						6.5	225
230	20.2	20.6	21.1	20.2	20.8	21.5																						6.5	230
235	20	20.4	20.9	20	20.5	21.2																						4.9	235
240	19.8	20.2	20.6	19.8	20.3	20.9																						3.2	240
245	19.6	20	20.4	19.7	20.1	20.6																						4.6	245
250	19.4	19.8	20.1	19.5	19.9	20.4																						4.6	250
255	18.9	19.7	20	19.4	19.7	20.1																						4.6	255
260	17	19.6	19.8	18.6	19.6	19.9																						4.5	260
265	14.8	19.4	19.6	17	19.5	19.3																						4.5	265
270		18.6	19.5	14.8	19.4	18.6																						4.5	270
275		17.1	19.3		18.9	17.9																						4.5	275
280			18.7		18	17.3																						4.5	280
285			18			16.6																						4.5	285
290						16																						4.5	290
295																												4.5	295
300																												4.5	300
305																												4.5	305
310																												4.5	310
315																												4.5	315
320																												4.5	320

\* adapter

# Lifting capacities

**TN 276**

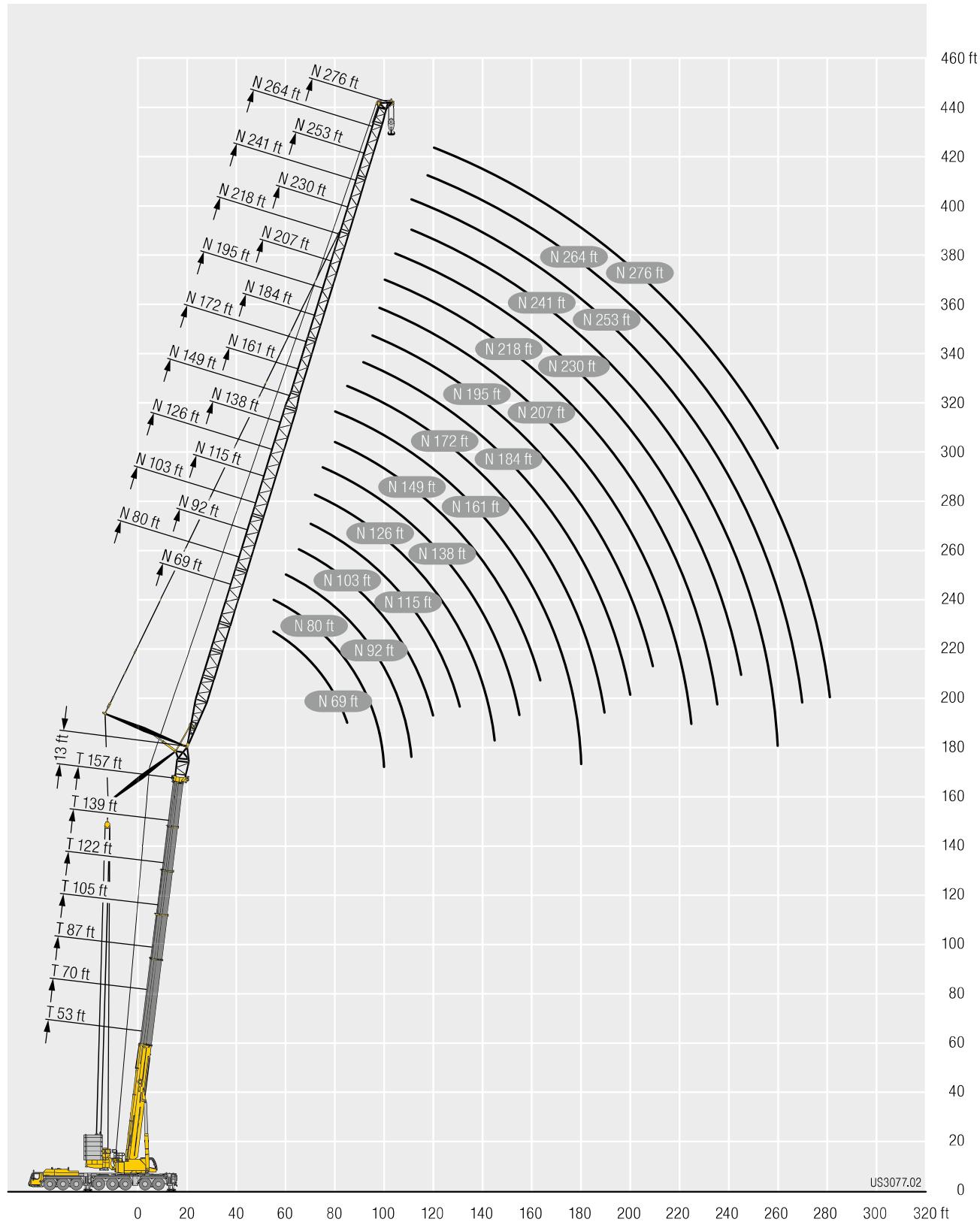


	53 ft + 13 ft*			70 ft + 13 ft*			87 ft + 13 ft*			105 ft + 13 ft*			122 ft + 13 ft*			139 ft + 13 ft*			157 ft + 13 ft*		
	276 ft																				
	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	67°	83°	75°	
100	32.1																				100
105	31.5			30.8			29.5														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		
315												10.2			8.7			5.4			
320															8.4			5.4			
325															8			5.4			
330																		5.4			

\* adapter

# Lifting heights

TN



# Equipment

## Crane carrier

<b>Frame</b>	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
<b>Outriggers</b>	4-point supporting system, hydraulically telescopic 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 retarder, make ZF, 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
<b>Axes</b>	Low maintenance crane chassis axles, all 8 axles steered. Axles 1, 2, 4 and 5 are planetary axles. Axles 4 and 5 with transversal differential locks, axles 2 and 4 with longitudinal differential locks.
<b>Suspension</b>	All axles are mounted on hydropneumatic suspension – "Niveumatik suspension" and are lockable hydraulically.
<b>Tyres</b>	16 tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
<b>Steering</b>	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
<b>Brakes</b>	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Additional brakes: exhaust flap brake, Telma Eddy current brake, retarder 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 170 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.

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



## 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.



# Description of symbols

## General symbols

	Max. capacity		infinitely variable
	Max. lifting capacity		Rope diameter
	Max. radius		Rope length
	Tyres		Max. single line pull
	Hookblock / Capacity		Hoist gear
	No. of sheaves		Slewing speeds
	No. of lines		Boom length
	Weight		Boom position
	Crane carrier		Counterweight
	Driving speed		Axle
	Gradability		Page
	Transmission		Outriggers
	Gear		Slewing gear / Working area
	Driving speed – Onroad gear		Standard
	Crane superstructure		Radius

## Crane specific symbols



Telescopic boom



Swing away jib



Fixed lattice jib



Luffing fly jib

## 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. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centre.
6. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 444,200 lbs/527,600 lbs only with additional pulley block/special equipment.
9. 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.