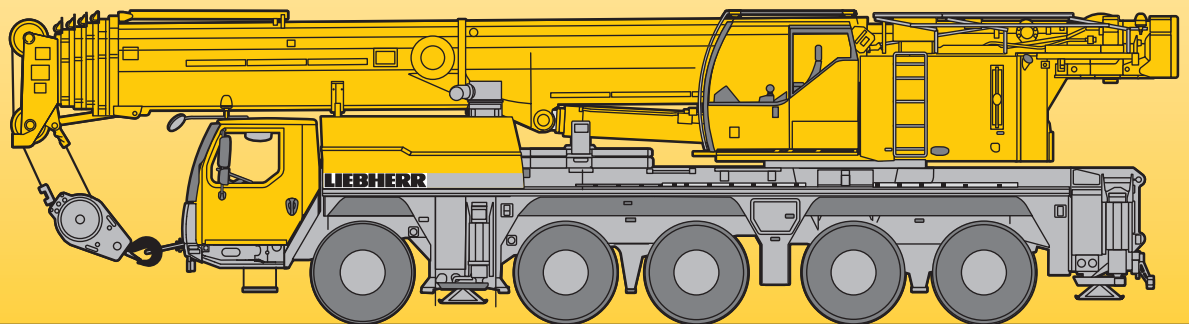


# Mobile Crane Grue mobile

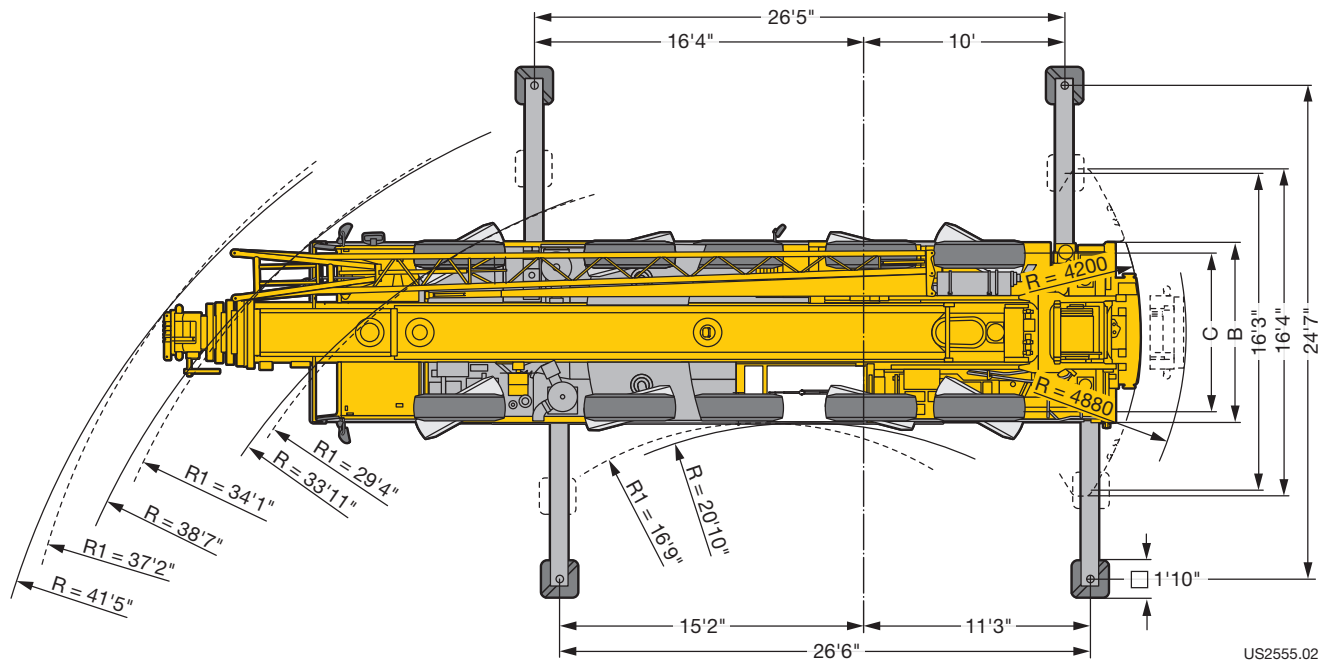
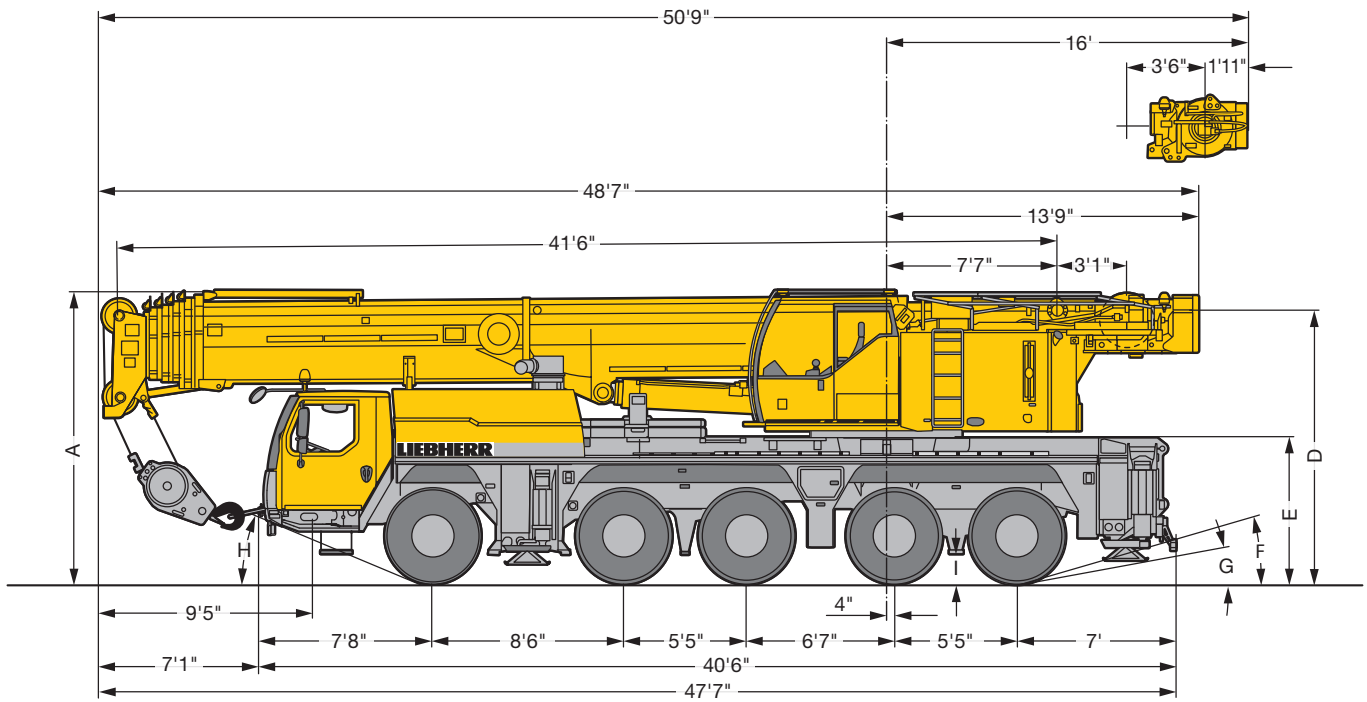
# LTM 1130-5.1

## Technical Data Caractéristiques techniques



# LIEBHERR

# Dimensions Encombrement



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

	Dimensions · Encombrement										
	A	A 4" *	B	C	D	E	F	G	H	I	
445/95 R 25 (16.00 R 25)	13'1"	12'10"	9'	7'7"	12'4"	6'9"	20°	13°	24°	1'5"	
525/80 R 25 (20.5 R 25)	13'1"	12'10"	9'4"	7'7"	12'4"	6'9"	20°	13°	24°	1'5"	

\* lowered · abaissé

## Weights Poids



Axle Essieu	1	2	3	4	5	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	132000 <sup>1)</sup>

<sup>1)</sup> with 19800 lbs counterweight · avec contrepoids 19800 lbs



Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
242.5	7	14	2730
198.8	5	11	1980
130	3	7	1540
57.5	1	3	990
19.4	–	1	550

## Working speeds Vitesses



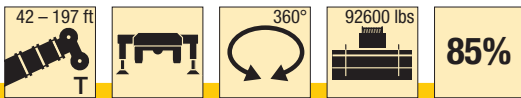
		1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
445/95 R 25 (16.00 R 25)		1.2 – 3.5	4.5	5.8	7.5	9.5	12.2	16.1	20.6	26.6	34.2	43.4	50	1.3 – 3.8	4.9	43 %
525/80 R 25 (20.5 R 25)	mph	0.53 – 1.6	2	2.6	3.3	4.2	5.3	7	9	11.6	14.9	18.9	24.2	0.57 – 1.7	2.1	55 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
	0 – 1.5 rpm		
	approx. 65 seconds to reach 82° boom angle env. 65 s jusqu'à 82°		
	approx. 511 seconds for boom extension from 42 ft – 197 ft env. 511 s pour passer de 42 ft – 197 ft		

# Lifting capacities

## Forces de levage



ft	ft														ft	
	*	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft		197 ft
10	315.3	182.2	182.2	182.2	165.1											10
11	233.2	182.2	182.2	182.2	164											11
12	199.2	182.2	182.2	180.9	162.5											12
13	190.6	182.2	181.5	176.1	161	130.4										13
14	182.7	181.4	174.6	168.4	159	130.4										14
15	175.5	175.4	167.5	161.4	156.2	130.4										15
16	169	169	161.1	154.9	150.1	130.4	106.4									16
17	162.8	162.8	155	148.9	145.3	130.1	105.5									17
18	157	157	149.4	145.4	140.9	129.6	104.6									18
19	151.6	151.6	145.3	140.2	135.8	127.9	103.7	76.2								19
20	146.5	146.5	140.6	135.5	131.1	125.9	102.6	76.2								20
22	136.9	136.9	132	126.8	122.5	120.7	100.4	76.2	56.3							22
24	127.8	127.8	124.3	119.3	115	113.6	98.1	76.2	57.6							24
26	119	119	117.4	112.7	108.6	107	95.8	75.5	57.6	48.1						26
28	110.1	110.1	111	106.7	102.7	101.1	93.6	74.2	57.6	47.6						28
30	100.8	100.8	105.3	101.4	97.7	95.9	91.4	72.8	57.6	47.1	35.1	38.7				30
32	89.3	89.3	99.8	96.5	93.5	91.2	88.1	71	57.3	46.5	35.1	38.7	31.1			32
34	65.7	65.7	93.9	92	89.4	87	84	68.7	56.5	46	34.9	38.7	31	31.5		34
36			88.2	87.9	85.3	83	80.3	66.3	55.5	45.4	34.6	38.6	31	31.5		36
38			82.8	83.3	81.7	79.5	76.6	63.9	54.2	44.8	33.8	38.4	31	31.5	25.5	38
40			78	78.5	78.6	76.2	73.4	61.6	52.6	44.2	33.1	38	30.8	31.4	25.5	40
45			64.8	68	69.5	68.8	65.9	56.7	48.7	42	31.2	36.4	29.8	30.7	25.4	45
50				60.9	60.9	60.2	57.8	52	45.2	39.3	29.3	34.6	28.5	29.6	25.2	50
55				53.9	53.9	53.2	51	47.9	41.7	36.7	27.6	32.7	27	28.3	24.6	55
60				45.8	48	47.3	45.5	43.4	38.7	34.3	25.9	30.8	25.6	26.9	23.7	60
65					43	42.3	40.8	40.9	36	31.9	24.2	29	24.2	25.5	22.5	65
70					38.8	38	36.9	37.4	33.6	29.9	22.6	27.2	22.9	24.3	21.3	70
75					32.5	34.4	34.5	34.1	30.6	28	21.2	25.6	21.6	23.1	20.3	75
80						31.3	32.3	31.2	28.3	26.3	19.9	24.1	20.4	22	19.3	80
85						28.6	29.7	28.6	26.6	24.7	18.7	22.6	19.3	20.9	18.3	85
90						24.3	27.3	26.2	24.7	22.8	17.7	21.4	18.3	19.8	17.4	90
95							25.1	24	23.6	20.8	16.6	20.2	17.4	18.8	16.5	95
100							23.2	22	22.2	19.8	15.6	19.1	16.5	17.8	15.6	100
105							17.3	20.2	20.7	18.8	14.8	17.9	15.7	16.9	14.8	105
110								19	19.1	17.8	14	16.5	14.9	16	14	110
115								18.3	17.6	17	13.1	15.5	14.2	15.2	13.3	115
120									16.3	16.3	12.5	14.8	13.5	14.4	12.6	120
125									15.1	15.2	11.8	14.2	12.8	13.4	11.9	125
130									14.1	14	11.2	13.5	12.2	12.4	11.3	130
135										13	10.6	12.6	11.7	11.5	10.7	135
140										12	10.1	11.6	11.1	10.6	10.1	140
145										10.8	9.7	10.7	10.6	9.6	9.6	145
150											9.3	9.8	10	8.8	8.8	150
155											9	9.1	9.2	8	8	155
160												8.1	8.5	7.3	7.3	160
165													7.8	6.7	6.7	165
170														6.9	6	170
175															5.1	175
180															4.9	180
185															4.4	185

\* over rear - en arriere

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# Lifting capacities Forces de levage

T



ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.2	130.4										15
16	169	161.1	154.9	150.1	130.4	106.4									16
17	162.8	155	148.9	145.3	130.1	105.5									17
18	157	149.4	145.4	140.9	129.6	104.6									18
19	151.6	145.3	140.2	135.8	127.9	103.7	76.2								19
20	146.5	140.6	135.5	131.1	125.9	102.6	76.2								20
22	136.9	132	126.8	122.5	120.7	100.4	76.2	56.3							22
24	126.5	124.3	119.3	115	113.6	98.1	76.2	57.6							24
26	116	117	112.7	108.6	107	95.8	75.5	57.6	48.1						26
28	106.7	108.5	106.7	102.7	101.1	93.4	74.2	57.6	47.6						28
30	98.5	100.4	100.5	97.7	93.9	88.2	72.8	57.6	47.1	35.1	38.7				30
32	89.3	92.7	93.3	91.2	86.7	81.3	71	57.3	46.5	35.1	38.7	31.1			32
34	65.7	86.2	86.2	84.7	80.3	75.4	68.7	56.5	46	34.9	38.7	31	31.5		34
36		80.2	81.4	78.6	74.4	70.3	65.7	55.5	45.4	34.6	38.6	31	31.5		36
38		74.7	76.4	73.2	69.6	65.4	61.9	54.2	44.8	33.8	38.4	31	31.5	25.5	38
40		69.7	71.4	68.5	65.1	61.4	58.3	52.6	44.2	33.1	38	30.8	31.4	25.5	40
45		60.2	61.3	58.8	55.8	52.5	52.1	48	42	31.2	36.4	29.8	30.7	25.4	45
50			52.7	51.2	48.5	46.9	45.8	41.8	39.1	29.3	34.6	28.5	29.6	25.2	50
55			45.5	45	42.5	42.8	40.2	37.8	35.5	27.6	32.7	27	28.3	24.6	55
60			39.7	39.8	37.6	38.1	35.6	33.9	31.5	25.9	30.7	25.6	26.9	23.7	60
65				35	35.3	34.1	31.7	31.5	29.2	24.2	27.8	24.2	25.5	22.5	65
70				31	32.4	30.7	29	28.4	26.5	22.6	24.8	22.9	24.3	21.3	70
75				27.8	29.1	27.8	27	25.6	24.9	21.2	23.3	21.6	22.4	20.3	75
80					26.2	25.3	25.2	23.3	22.9	19.9	21.8	20.4	20.4	19.3	80
85					23.8	23	23.1	21.4	20.8	18.7	19.9	19.3	18.4	17.9	85
90					21.7	20.8	21.2	20.3	19	17.7	18.1	17.9	16.6	16.3	90
95						19.5	19.4	18.8	17.6	16.6	16.5	16.4	15.1	14.8	95
100						18.5	17.7	17.4	16.2	15.6	15.1	15	13.7	13.4	100
105						16.6	16.1	16	14.9	14.6	13.8	13.7	12.4	12.1	105
110							14.8	14.6	13.7	13.6	12.6	12.5	11.2	11	110
115							13.7	13.3	12.6	12.4	11.6	11.5	10.2	10	115
120								12.2	11.5	11.4	10.6	10.5	9.3	9	120
125								11.2	10.4	10.5	9.6	9.6	8.4	8.1	125
130								10.3	9.5	9.5	8.8	8.8	7.6	7.4	130
135									8.6	8.7	7.9	8	6.8	6.6	135
140									7.8	7.9	7.1	7.3	6.1	5.9	140
145									7.1	7.1	6.4	6.5	5.4	5.3	145
150										6.5	5.7	5.8	4.7	4.7	150
155										5.9	5.1	5.2	4.1	4.1	155
160											4.6	4.6	3.5	3.5	160
165												4.1	2.9	2.9	165
170													3.6	2.4	170

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# Lifting capacities Forces de levage

T

ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.2	130.4										15
16	169	161.1	154.9	150.1	130.4	106.4									16
17	162.8	155	148.9	145.3	130.1	105.5									17
18	157	149.4	145.4	140.9	129.6	104.6									18
19	151.6	145.3	140.2	135.8	127.9	103.7	76.2								19
20	146.2	140.6	135.5	131.1	125.9	102.6	76.2								20
22	132.8	131.9	126.8	122.5	119.9	100.4	76.2	56.3							22
24	121.2	122.9	119.3	113.2	109.2	97.7	76.2	57.6							24
26	110.4	112.4	108.5	104.7	98.5	92	75.5	57.6	48.1						26
28	100.5	102.6	98.1	95.5	89.5	83.8	74.2	57.6	47.6						28
30	92.2	93.6	91.3	87	82.1	76.8	71.2	57.6	47.1	35.1	38.7				30
32	84.6	85.4	84	80.1	75.6	70.7	66.8	57.3	46.5	35.1	38.7	31.1			32
34	65.7	78.7	77.4	74	69.9	65.4	62.7	56.5	46	34.9	38.7	31	31.5		34
36		73.1	71.6	68.6	64.7	60.7	59.6	54.2	45.4	34.6	38.6	31	31.5		36
38		68.5	66.6	63.8	60.2	56.9	55.9	50.7	44.8	33.8	38.4	31	31.5	25.5	38
40		63.3	62	59.4	56.1	54.6	52.3	48.5	44.2	33.1	38	30.8	31.4	25.5	40
45		52.2	52.6	50.3	47.5	47.7	44.6	41.8	39.1	31.2	36.4	29.8	30.7	25.4	45
50			45.2	43.4	43.4	41.3	38.6	38	35.5	29.3	33.5	28.5	29.6	25.2	50
55			38.7	37.9	38.3	36.1	34.6	33.4	31.6	27.6	29.5	27	28.3	24.6	55
60			33.5	33.4	33.9	31.9	31.7	29.5	28.9	25.9	27.7	25.6	25.8	23.7	60
65				30.7	30.3	28.4	28.3	27.2	25.7	24.2	24.6	23.9	22.8	22.1	65
70				27.4	27.2	26.3	25.3	24.6	23.3	22.5	21.9	21.7	20.3	19.8	70
75				24.5	24.3	24.3	22.8	22.1	20.9	20.7	19.6	19.4	18.1	17.7	75
80					21.8	22.2	20.9	20	18.9	18.6	17.6	17.5	16.1	15.8	80
85					19.6	20.1	19.1	18.1	17	16.8	15.9	15.7	14.4	14.1	85
90					17.9	18.1	17.4	16.5	15.4	15.2	14.3	14.2	12.9	12.6	90
95					16.4	15.8	15.1	14	13.8	12.9	12.8	11.5	11.2	11.2	95
100						14.9	14.4	13.8	12.7	12.5	11.6	11.5	10.2	10	100
105						13.6	13	12.6	11.5	11.4	10.5	10.4	9.1	8.9	105
110							11.8	11.3	10.5	10.4	9.5	9.4	8.1	7.9	110
115							10.7	10.3	9.5	9.4	8.5	8.5	7.2	7	115
120								9.3	8.6	8.5	7.7	7.7	6.4	6.2	120
125								8.4	7.7	7.7	6.9	6.8	5.6	5.4	125
130								7.6	6.8	6.9	6.1	6.1	4.9	4.7	130
135									6.1	6.1	5.4	5.5	4.2	4.1	135
140									5.4	5.4	4.7	4.8	3.6	3.5	140
145									4.8	4.8	4	4.2	3	2.9	145
150										4.2	3.5	3.6	2.4	2.4	150
155										3.7	2.9	3			155
160											2.4	2.5			160

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# Lifting capacities Forces de levage

T

ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.2	130.4										15
16	169	161.1	154.9	150.1	130.4	106.4									16
17	162.8	155	148.9	143.6	129.3	105.5									17
18	155.3	149.4	145.1	136.1	127.2	104.6									18
19	146.7	144	137.8	126.1	119.9	103.7	76.2								19
20	138.9	137.2	127.8	120.1	111.9	100.7	76.2								20
22	124.1	118.9	111.5	106.4	98.8	91.2	76.2	56.3							22
24	110.4	104.3	100.5	94.6	88.2	81.4	74.6	57.6							24
26	97.6	92.5	90.1	85	78.9	73.6	69.8	57.6	48.1						26
28	86.9	84	80.8	76.3	70.9	67.7	64.4	57.3	47.6						28
30	77.9	75.5	72.9	68.9	64.4	63.4	58.7	54.2	47.1	35.1	38.7				30
32	69.6	68.3	66.2	62.9	60	58.1	53.8	50	45.5	35.1	38.7	31.1			32
34	61.8	62.4	60.4	57.6	56.5	53.4	50.1	47.6	44.2	34.9	38.7	31	31.5		34
36		57.1	55.5	52.9	52.6	49.5	46.8	44.9	41.5	34.6	37.8	31	31.5		36
38		52.5	51.2	48.8	48.8	45.8	44.3	41.7	38.6	33.8	36.2	31	31.5	25.5	38
40		48.5	47.4	46.7	45.5	42.8	41.9	38.8	37.3	33.1	35.1	30.8	31.4	25.5	40
45		39.6	40.1	40.1	38.4	37.6	35.6	34.3	32.4	31	30.5	29.6	28.4	25.4	45
50			34.4	34.4	33	32.6	31	29.5	27.9	27.4	26.2	25.8	24.2	23.6	50
55			29.4	30	28.9	28.3	26.9	25.7	24.2	23.9	22.7	22.4	20.9	20.3	55
60			25.2	26.3	25.4	24.9	23.6	22.5	21.2	20.8	19.7	19.6	18	17.6	60
65				23.1	22.4	22	20.8	19.8	18.6	18.3	17.2	17.1	15.6	15.3	65
70				20.3	19.9	19.6	18.4	17.5	16.3	16.1	15.1	15	13.6	13.2	70
75				17.8	17.8	17.5	16.4	15.5	14.4	14.2	13.3	13.1	11.8	11.5	75
80					15.7	15.7	14.6	13.8	12.8	12.6	11.6	11.5	10.2	9.9	80
85					13.9	14.1	13.2	12.3	11.3	11.1	10.2	10.1	8.8	8.6	85
90					12.4	12.6	11.8	11	10	9.9	8.9	8.9	7.6	7.4	90
95						11.2	10.6	9.9	8.8	8.7	7.8	7.8	6.5	6.3	95
100							10	9.4	8.8	7.8	7.7	6.8	6.8	5.5	100
105							9	8.3	7.9	6.9	6.7	5.9	5.8	4.6	105
110								7.4	7	6	5.9	5.1	5	3.8	110
115								6.5	6.1	5.3	5.1	4.3	4.3	3	115
120									5.3	4.6	4.5	3.6	3.6	2.3	120
125									4.6	3.9	3.8	3	3		125
130									4	3.2	3.2	2.4	2.3		130
135										2.6	2.6				135

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# Lifting capacities Forces de levage

T

ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.1	130.4										15
16	169	161.1	154.9	147.9	130.4	106.4									16
17	161.9	155	148.8	141.3	127.9	105.5									17
18	153.8	149.4	143	131.1	123	104.4									18
19	145.2	142.4	132.7	124.4	115.5	103	76.2								19
20	137.3	132.6	123	117	107.7	99	76.2								20
22	122	114.5	109.5	102.5	95.1	87.5	76.2	56.3							22
24	106.4	100.3	97	91.1	84.5	78.5	73.3	57.6							24
26	93.7	89.3	86.4	81.5	75.3	70.9	67.7	57.5	48.1						26
28	82.9	80.4	77.3	72.9	67.7	66.2	61.4	56.8	47.6						28
30	74.1	72	69.6	65.7	62.2	60.5	55.9	51.8	46.5	35.1	38.7				30
32	66.3	65.1	63.1	60	58.6	55.4	51.8	49.2	44.9	35.1	38.7	31.1			32
34	58.8	59.4	57.6	54.9	54.5	50.9	48.2	46.1	42.6	34.9	38.7	31	31.5		34
36		54.3	52.9	50.5	50.1	47.2	45.6	42.6	39.4	34.6	36.6	31	31.5		36
38		49.9	48.7	48.3	46.5	43.6	42.7	39.9	37.7	33.8	35.3	31	31.4	25.5	38
40		46.1	45.1	45.2	43.3	41.3	39.8	38.2	35.8	33.1	34	30.8	31.1	25.5	40
45		37.6	38.2	38.1	36.5	35.9	34.2	32.5	30.7	30.1	28.9	28.3	26.7	25	45
50			32.6	32.7	31.5	30.9	29.3	28	26.4	25.9	24.7	24.3	22.8	22.1	50
55			27.9	28.4	27.4	26.8	25.4	24.3	22.8	22.5	21.3	21	19.5	19	55
60			23.8	24.9	24	23.5	22.2	21.2	19.9	19.6	18.5	18.3	16.8	16.3	60
65				21.9	21.1	20.7	19.6	18.6	17.4	17.1	16.1	15.9	14.5	14.1	65
70				19.1	18.7	18.4	17.3	16.4	15.2	15	14	13.9	12.5	12.2	70
75				16.7	16.7	16.4	15.3	14.5	13.4	13.2	12.2	12.1	10.8	10.5	75
80					14.7	14.7	13.7	12.8	11.8	11.6	10.7	10.6	9.3	9	80
85					13	13.2	12.2	11.4	10.4	10.2	9.3	9.2	7.9	7.7	85
90					11.5	11.7	10.9	10.1	9.1	9	8.1	8.1	6.7	6.5	90
95						10.4	9.7	9	8	7.9	7	7	5.7	5.5	95
100							9.2	8.6	8	7	6.9	6	4.7	4.5	100
105							8.2	7.6	7.1	6.1	6	5.1	3.9	3.7	105
110								6.6	6.3	5.3	5.2	4.4	3.1	2.9	110
115								5.8	5.4	4.6	4.5	3.7	2.2		115
120									4.6	3.9	3.8	3	3		120
125									4	3.2	3.2	2.3	2.3		125
130									3.4	2.6	2.6				130

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# Lifting capacities Forces de levage

T

42 - 197 ft 19800 lbs **85%**

ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	155.7	130.4										15
16	169	161.1	154.9	143.4	130.4	106.4									16
17	160.6	153.8	144.4	134.6	125.8	105.5									17
18	151.6	144.5	136.1	126.8	116.9	103									18
19	142.9	136.5	125.4	118.5	109.1	98.5	76.2								19
20	134.2	125.4	116.3	110.6	101.7	93.2	76.2								20
22	114.9	108	103.6	96.8	89.4	82.6	75.4	56.3							22
24	100.2	94.3	91.3	85.3	78.8	73.9	69.8	57.6							24
26	87.5	84.5	80.7	76	70.1	68.5	63.1	56.4	48.1						26
28	76.8	74.8	72	67.9	64.8	61.9	57	52.6	47.6						28
30	68.6	66.9	64.8	61.2	60.3	56.3	53	50.2	45.3	35.1	38.7				30
32	61.4	60.4	58.7	55.7	55.2	51.5	49	46.3	42.7	35.1	38.1	31.1			32
34	54.3	55	53.5	52.4	50.7	47.3	46.1	42.7	39.3	34.9	36.5	31	31.5		34
36		50.2	49	49	46.6	44.2	42.6	40.6	38.2	34.6	35.3	31	31.5		36
38		46.1	45.6	45.2	43.2	42	39.6	38	35.8	33.8	33.6	31	30.9	25.5	38
40		42.5	42.2	42	40.1	39.3	37.2	35.3	33.4	32.4	31.3	30.4	28.9	25.5	40
45		34.6	35.3	35.3	34	33.2	31.5	30	28.2	27.7	26.4	26	24.4	23.7	45
50			30	30.1	29.1	28.5	27	25.7	24.1	23.7	22.5	22.2	20.6	20	50
55			25.6	26.1	25.1	24.6	23.3	22.2	20.8	20.5	19.3	19	17.5	17.1	55
60			21.7	22.8	21.9	21.5	20.3	19.3	18	17.7	16.7	16.5	15	14.5	60
65				20	19.3	18.9	17.8	16.8	15.6	15.4	14.4	14.2	12.8	12.5	65
70				17.3	17	16.7	15.6	14.7	13.6	13.4	12.4	12.3	10.9	10.6	70
75				15.1	15.1	14.9	13.8	13	11.9	11.7	10.8	10.7	9.3	9	75
80					13.2	13.2	12.2	11.4	10.4	10.2	9.3	9.2	7.9	7.7	80
85					11.6	11.8	10.8	10.1	9.1	8.9	8	7.9	6.6	6.4	85
90					10.2	10.3	9.6	8.8	7.9	7.8	6.9	6.8	5.5	5.3	90
95						9.1	8.5	7.8	6.8	6.7	5.8	5.8	4.5	4.3	95
100							8	7.5	6.9	5.9	5.8	4.9	4.9	3.6	100
105							7.1	6.5	6	5.1	4.9	4.1	4.1	2.7	105
110								5.6	5.2	4.3	4.2	3.3	3.3		110
115								4.8	4.4	3.6	3.5	2.6	2.6		115
120									3.7	3	2.9				120
125									3.1	2.2					125
130									2.5						130

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# Lifting capacities Forces de levage

T

ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	180.8	150.4											10
11	182.2	182.2	181.4	149.1											11
12	182.2	182.2	180.6	147.7											12
13	179.8	181.5	176.1	146.4	123.6										13
14	173.1	173.6	168.4	145	122.9										14
15	163.3	163.8	161.4	143	122										15
16	153.2	154	148.6	134	121	96.8									16
17	144	144.5	135.9	126	116.8	95.9									17
18	135.5	136.1	127.5	115.8	109.4	94									18
19	127.3	127.8	117.4	110.6	102.1	90.8	72.8								19
20	119.4	117.3	108.6	103.6	94.9	86.1	72.3								20
22	105.6	100.8	96.7	89.8	82.5	76	68.9	51.2							22
24	91.1	87.1	84.4	78.7	72.6	67.5	64	54.6							24
26	77.3	77.8	74.4	70	64.5	62.7	57.9	52.6	43.7						26
28	65.8	68.7	66.3	62.5	59	57	52.3	48.1	43.3						28
30	56.9	61	59.5	56.2	55.6	51.7	48.5	45.9	41.3	31.9	35.3				30
32	49.7	53.7	53.9	51.1	50.7	47.2	44.8	42.3	38.9	31.9	34.7	28.3			32
34	43.9	47.9	49	47.8	46.5	43.3	42.2	38.9	36.4	31.7	33.1	28.2	28.7		34
36		42.8	44.4	45	42.7	40.3	39	37	34.8	31.4	32.1	28.2	28.7		36
38		38.5	40.6	41.5	39.6	38.5	36.1	34.7	32.6	30.8	30.5	28.1	28.1	23.2	38
40		34.9	36.9	38.4	36.7	36	34	32.2	30.3	29.4	28.3	27.6	26.1	23.2	40
45		27.9	29.8	31.2	31	30.2	28.7	27.2	25.5	25	23.8	23.3	21.7	20.5	45
50			24.6	25.9	26	25.9	24.4	23.2	21.7	21.2	20.1	19.7	18.2	17.2	50
55			20.5	21.9	22	22.2	21	19.9	18.6	18.3	17.2	16.8	15.3	14.5	55
60			17.4	18.6	18.7	19	18.2	17.2	16	15.7	14.6	14.4	13	12.2	60
65				16	16.1	16.4	15.8	14.9	13.8	13.6	12.5	12.3	10.9	10.4	65
70				13.9	14	14.2	13.8	13	11.9	11.7	10.7	10.5	9.2	8.7	70
75				12	12.1	12.4	11.9	11.3	10.3	10.1	9.1	9	7.7	7.3	75
80					10.5	10.8	10.3	9.8	8.9	8.7	7.8	7.7	6.4	6.1	80
85					9.1	9.3	8.9	8.5	7.6	7.5	6.6	6.5	5.2	5	85
90					7.9	8.1	7.7	7.3	6.5	6.4	5.5	5.5	4.2	4	90
95						7.1	6.6	6.3	5.5	5.4	4.5	4.5	3.2	3	95
100						6.1	5.6	5.3	4.6	4.5	3.7	3.7			100
105						5.3	4.8	4.5	3.9	3.8	2.9	2.9			105
110							4	3.7	3.1	3					110
115							3.4	3	2.3	2.3					115
120								2.4							120

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# Lifting capacities Forces de levage

T

42 – 197 ft **85%**

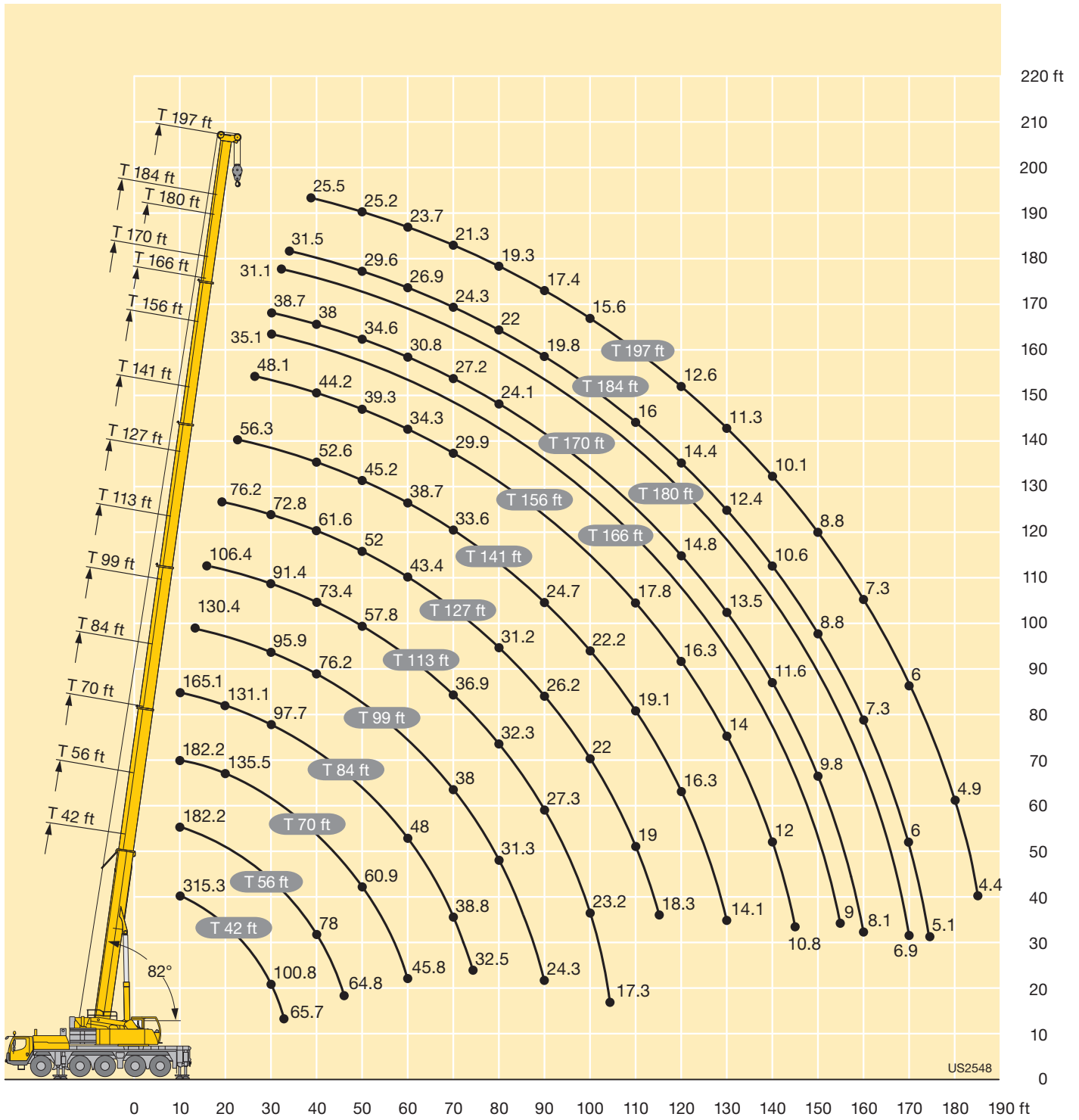
ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
10	182.2	182.2	180.8	150.4											10
11	182.2	182.2	181.4	149.1											11
12	182.2	182.2	179.5	147.7											12
13	178.1	178.6	170.2	141.1	123.6										13
14	167.2	167.8	149.6	131.7	119.4										14
15	155.9	151.5	134.8	124.2	113.5										15
16	145.8	135.8	124	114.8	102.9	90.9									16
17	134.4	123.8	112.8	104.8	93.6	83.1									17
18	122.1	111.9	105	95.1	85.4	77.6									18
19	110	101.3	95.5	87	78.7	73	67.6								19
20	98.8	92.8	87.4	80.2	73.5	69.7	62.7								20
22	81.4	78.6	74.2	68.7	66.5	60.8	55.6	50.3							22
24	69.1	67.4	64.3	61	58.4	53.6	50.7	46.8							24
26	58.3	58.5	56.4	55.6	51.8	48.8	46	42.9	38.2						26
28	49	51.3	50.6	49.5	46.4	44.8	41.9	39.2	36.1						28
30	42	45.5	45.2	44.4	42.3	40.5	38	35.6	33.2	31.6	30.7				30
32	36.3	40.3	40.7	40.3	38.4	36.9	34.6	32.5	30.3	29.4	28	26.8			32
34	31.7	35.7	36.8	36.7	35	33.7	31.6	29.8	27.7	27	25.5	25	23.2		34
36		31.7	33.4	33.5	32	31.1	29	27.3	25.4	24.7	23.5	22.9	21.2		36
38		28.3	30.3	30.7	29.5	28.5	26.7	25.2	23.4	22.8	21.5	21.1	19.4	18.3	38
40		25.4	27.4	28.2	27.1	26.4	24.7	23.2	21.6	21.1	19.8	19.4	17.8	16.7	40
45		19.8	21.7	23.1	22.3	21.8	20.5	19.2	17.7	17.3	16.2	15.9	14.4	13.5	45
50			17.6	18.9	18.7	18.3	17.1	16	14.7	14.4	13.3	13.1	11.6	10.9	50
55			14.3	15.7	15.7	15.5	14.3	13.4	12.2	12	10.9	10.7	9.3	8.7	55
60			11.6	13	13.2	13.2	12.1	11.2	10.1	9.9	8.9	8.8	7.4	7	60
65				10.8	11	11.2	10.2	9.4	8.4	8.2	7.2	7.2	5.8	5.5	65
70				9	9.1	9.4	8.6	7.9	6.9	6.8	5.8	5.7	4.4	4.1	70
75				7.5	7.6	7.9	7.3	6.5	5.6	5.5	4.6	4.5	2.9	2.6	75
80					6.3	6.6	6.1	5.4	4.5	4.4	3.3	3.3			80
85					5.2	5.5	5	4.4	3.4	3.3					85
90					4.3	4.5	4.1	3.5	2.2						90
95						3.7	3.1	2.4							95
100						2.9									100
105						2.3									105

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# Lifting heights Hauteurs de levage

T



US2548



TK

**Lifting capacities**  
**Forces de levage**








ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	38.7																		14
15	38.7			38.7															15
16	38.7	37.6		38.7															16
17	38.7	37.5		38.7															17
18	38.7	37.3		38.7			38.7												18
19	38.2	36.4		38.7			38.7												19
20	37.6	35.7		38.7			38.7												20
22	36.2	34.5		38.7			38.7			37.2									22
24	34.8	33.2		38.7			38.7			37.1									24
26	33.4	32	25.9	38.7			38.7			37			31.8						26
28	31.9	30.8	25.5	38.7	33.4		38.7			36.7			31.7			19.5			28
30	30.4	29.7	24.7	38.7	32.6		38.7	32.3		36.3			31.7			26.5			30
32	28.9	28.6	24.1	38.7	31.8		38.7	31.7		35.8			31.4			26.4			32
34	27.4	27.6	23.4	38.7	31		38.6	31		35.3	30		31.2			26.3			34
36	25.9	26.7	22.9	38.7	30.4	24.2	37.9	30.4		34.8	29.6		30.8			26.2			36
38	24.4	25.8	22.3	38.3	29.7	23.8	37.2	29.7	23.7	34.3	29		30.5	27.5		26.1			38
40	23.2	24.5	21.8	37.6	29.1	23.5	36.5	29.2	23.5	33.9	28.5		30.2	27.1		25.9			40
45	20.5	21.3	20	35.6	27.6	22.6	34.9	27.8	22.7	32.7	27.3	22.5	29.4	26.1		25.5	24.2		45
50	18.3	19.3	18.4	33.6	26.2	21.9	33.4	26.6	22	31.5	26.3	21.8	28.6	25.2	21.4	25	23.5		50
55	16.5	18.1	17.5	31.5	25.1	21.2	31.9	25.5	21.4	30.4	25.3	21.2	27.8	24.4	20.8	24.6	22.9	19.5	55
60	15	17.1	16.9	29.3	24	20.6	30.4	24.5	20.8	29.3	24.4	20.7	27.1	23.6	20.3	24	22.3	19.5	60
65	13.7	16.4	6.4	27.2	23	20	28.9	23.6	20.3	28.3	23.5	20.2	26.3	22.9	19.9	23.5	21.7	19.5	65
70				25	22.2	19.6	27.2	22.7	19.8	27.2	22.7	19.8	25.6	22.2	19.5	22.7	21.1	19.3	70
75				23.1	21.3	19.1	25.5	22	19.3	26.2	22	19.3	24.6	21.6	19.4	21.8	20.6	18.9	75
80				21.6	20.4	18.6	23.7	21.2	18.9	25	21.4	19	23.5	21	19.1	21	20.1	18.6	80
85				20.2	19.6	18.1	22.2	20.5	18.5	23.6	20.8	18.6	22.4	20.5	18.7	20	19.4	18.3	85
90				18.9	18.9	17.7	20.9	19.8	18.2	22.2	20.2	18.3	21.2	19.9	18.3	18.8	18.6	17.9	90
95				17.8	18.2	17.4	19.7	19.1	17.8	20.9	19.6	18	20.1	19.3	17.9	17.7	17.7	17.3	95
100				16.7	17.7	17.1	18.6	18.5	17.4	19.7	19	17.7	18.7	18.7	17.7	16.8	16.9	16.7	100
105				15.8	17.2	16.9	17.6	18	17.2	18.7	18.5	17.4	17.2	17.9	17.3	15.9	16	15.9	105
110				15	16.7	14	16.7	17.5	16.9	17.5	17.8	17.1	15.8	16.8	16.8	15	15.1	15.2	110
115				14.2	16.4		15.9	17	16.7	16.3	16.8	16.7	14.7	15.4	16	14.1	14.3	14.4	115
120				13.6	16.3		15.1	16.1	16.2	15	15.6	16	13.9	14.2	14.7	13	13.5	13.6	120
125				12.4			14.3	14.8		13.7	14.3	14.6	13.2	13.2	13.5	11.9	12.7	12.9	125
130							13.5	13.7		12.6	13.1	13.4	12.4	12.6	12.6	10.9	11.7	12.2	130
135							12.5	12.7		11.6	12		11.4	11.9	12.1	10.4	10.7	11.3	135
140							7.9			10.6	11		10.4	10.9	11.3	10	10	10.4	140
145										9.7	10		9.5	10	10.3	9.5	9.5	9.6	145
150										8.8	9.1		8.7	9.1		8.9	9.1	9.2	150
155													8.2	8.3		8.1	8.5	8.8	155
160													7.9	8		7.4	7.7		160
165													7.7	7.8		6.9	7		165
170																6.6	6.6		170
175																6.4	6.4		175
180																6			180

t\_205\_51101\_00\_000 / 51131\_00\_000 / 51161\_00\_000



# Lifting capacities Forces de levage

TK

42 – 197 ft

35 ft

360°

92600 lbs

85%

	166 ft			170 ft			180 ft			184 ft			197 ft			
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	18.4			19.5												32
34	18.4			19.5			16.3									34
36	18.4			19.5			16.3			16.5						36
38	18.4			19.5			16.3			16.5						38
40	18.4			19.5			16.3			16.5			13.9			40
45	18.4			19.5			16.3			16.5			13.9			45
50	18.3	17.9		19.5	19.5		16.3	16		16.5	16.3		13.9			50
55	18.1	17.5		19.5	19.5		16.2	16		16.5	16.3		13.9	13.6		55
60	17.4	16.8	16.3	19.5	19.5	18.6	16.2	15.9	15.3	16.5	16.3		13.8	13.6		60
65	16.8	16.2	15.6	19.5	19.4	18.3	15.8	15.6	15.1	16.2	16.2	15.5	13.8	13.5	13.1	65
70	16.1	15.6	15.1	19.4	18.9	18	15.3	15	14.7	15.9	15.8	15.4	13.6	13.4	13.1	70
75	15.4	14.9	14.5	18.6	18.2	17.7	14.9	14.5	14.2	15.6	15.3	15.1	13.4	13.3	13.1	75
80	14.7	14.3	14	17.8	17.4	17.1	14.3	13.9	13.7	15.1	14.8	14.6	13.1	13	13	80
85	13.9	13.7	13.5	16.9	16.6	16.5	13.7	13.4	13.3	14.5	14.2	14.1	12.8	12.6	12.6	85
90	13.3	13	13	16.1	15.9	15.8	13.1	12.9	12.8	13.9	13.7	13.6	12.4	12.2	12.2	90
95	12.6	12.5	12.4	15.4	15.1	15.1	12.5	12.3	12.3	13.3	13.2	13.2	11.9	11.8	11.8	95
100	12	11.9	11.9	14.7	14.5	14.5	12	11.8	11.9	12.8	12.7	12.7	11.5	11.4	11.4	100
105	11.4	11.4	11.4	14	13.8	13.8	11.4	11.4	11.4	12.2	12.1	12.2	11	11	11	105
110	10.8	10.8	10.9	13.3	13.2	13.2	10.9	10.9	10.9	11.7	11.6	11.7	10.6	10.6	10.6	110
115	10.2	10.3	10.4	12.7	12.6	12.7	10.4	10.5	10.5	11.2	11.1	11.2	10.2	10.2	10.3	115
120	9.7	9.8	10	12	12.1	12.1	10	10	10.1	10.7	10.7	10.8	9.7	9.8	10	120
125	9.2	9.4	9.5	11.4	11.5	11.6	9.6	9.6	9.7	10.3	10.2	10.3	9.3	9.4	9.6	125
130	8.7	8.9	9.1	10.8	10.9	11.1	9.1	9.2	9.4	9.9	9.8	9.9	8.9	9	9.3	130
135	8.3	8.5	8.7	10.1	10.4	10.6	8.7	8.9	9	9.5	9.5	9.6	8.5	8.7	8.9	135
140	7.9	8.1	8.3	9.4	9.8	10.1	8.4	8.5	8.6	9.1	9.1	9.2	8.1	8.3	8.5	140
145	7.6	7.7	7.9	8.7	9.2	9.5	8	8.1	8.3	8.6	8.8	8.9	7.7	7.9	8.1	145
150	7.2	7.3	7.5	8.3	8.5	8.8	7.7	7.8	7.9	8.1	8.4	8.6	7.3	7.5	7.7	150
155	6.9	7	7.1	8	8	8.1	7.4	7.5	7.6	7.5	7.9	8.1	6.9	7.2	7.3	155
160	6.6	6.6	6.8	7.7	7.7	7.8	7.1	7.2	7.3	6.9	7.4	7.6	6.5	6.8	7	160
165	6.3	6.4	6.4	7.2	7.4	7.5	6.8	6.9	7	6.2	6.7	7	6	6.4	6.6	165
170	6	6.1		6.6	6.9		6.4	6.6	6.7	5.6	6.1	6.3	5.4	5.9	6.1	170
175	5.7	5.8		6	6.4		6	6.2	6.4	5	5.4	5.6	4.9	5.3	5.6	175
180	5.4	5.5		5.5	5.7		5.5	5.8		4.4	4.8	5	4.3	4.7	4.9	180
185	5.2	5.3		5	5.2		4.9	5.2		3.9	4.3		3.8	4.2	4.4	185
190	4.8			4.5	4.6		4.4	4.7		3.4	3.7		3.3	3.7	3.8	190
195				3.8			4	4.2		3	3.2		2.8	3.1		195
200							3.5	3.7		2.5	2.7		2.4	2.7		200
205							3			2.1	2.3		1.9	2.2		205
210										1.8				1.8		210

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# Lifting capacities Forces de levage

TK



ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	16.7																		17
18	16.6																		18
19	16.4																		19
20	16.3			14.2															20
22	16			14.1															22
24	15.7			14			13.5												24
26	15.3			13.9			13.4			12.6									26
28	14.9			13.7			13.3			12.5									28
30	14.5	11.7		13.6			13.2			12.5			12						30
32	14.1	11.6		13.5			13.1			12.4			11.9			11.9			32
34	13.7	11.4		13.3			12.9			12.3			11.8			11.8			34
36	13.3	11.1		13.1			12.8			12.2			11.7			11.7			36
38	13	10.8		12.9			12.6			12.1			11.6			11.6			38
40	12.6	10.6		12.8			12.5			11.9			11.5			11.5			40
45	11.8	10.1		12.3	10.3		12.1	10.2		11.7			11.3			11.4			45
50	11.1	9.7	8.7	11.9	10		11.8	10		11.4	9.8		11.1			11.2			50
55	10.4	9.3	8.5	11.5	9.7		11.5	9.7		11.1	9.6		10.8	9.6		11	9.6		55
60	9.9	9	8.3	11.2	9.5	8.4	11.1	9.5		10.8	9.4		10.6	9.4		10.7	9.5		60
65	9.3	8.8	8.1	10.8	9.2	8.3	10.8	9.3	8.2	10.5	9.2	8.2	10.4	9.2		10.5	9.3		65
70	8.7	8.5	8	10.4	9	8.2	10.5	9.1	8.1	10.3	9	8.1	10.2	9	8.1	10.3	9.1		70
75	8	8.3	7.9	10.1	8.9	8.1	10.2	8.9	8.1	10	8.9	8	9.9	8.9	8	10	8.9	8	75
80	7.5	8.1	7.9	9.8	8.7	8	9.9	8.7	8	9.8	8.7	8	9.7	8.7	7.9	9.8	8.8	7.9	80
85	7	8	7.9	9.5	8.5	7.9	9.6	8.6	7.9	9.6	8.6	7.9	9.6	8.6	7.9	9.7	8.7	7.9	85
90	6.5	7.9	7.9	9.3	8.4	7.8	9.4	8.4	7.8	9.4	8.4	7.8	9.4	8.4	7.8	9.5	8.6	7.8	90
95	6.1	7.9		9	8.3	7.8	9.2	8.3	7.8	9.2	8.3	7.8	9.2	8.3	7.8	9.3	8.4	7.8	95
100				8.6	8.1	7.7	9	8.2	7.8	9	8.2	7.7	9	8.2	7.7	9.2	8.3	7.7	100
105				8.3	8.1	7.7	8.7	8.1	7.7	8.8	8.1	7.7	8.9	8.1	7.7	9	8.2	7.7	105
110				7.9	8	7.7	8.4	8	7.7	8.6	8	7.7	8.7	8.1	7.7	8.9	8.1	7.7	110
115				7.6	7.9	7.7	8.1	8	7.7	8.4	7.9	7.7	8.5	8	7.7	8.7	8	7.6	115
120				7.3	7.8	7.7	7.8	7.9	7.7	8.1	7.9	7.7	8.4	7.9	7.7	8.6	8	7.6	120
125				7	7.7	7.7	7.5	7.8	7.7	7.9	7.9	7.7	8.2	7.9	7.7	8.4	7.9	7.6	125
130				6.8	7.6	7.7	7.3	7.8	7.7	7.6	7.8	7.7	7.9	7.8	7.7	8.3	7.8	7.6	130
135				6.6	7.4	7.5	7	7.7	7.7	7.4	7.6	7.7	7.7	7.8	7.7	8.1	7.8	7.6	135
140				6.4	7.1		6.8	7.6	7.7	7.1	7.4	7.7	7.4	7.7	7.7	7.9	7.7	7.6	140
145				6.2	6.8		6.6	7.4	7.6	6.9	7.2	7.4	7.2	7.5	7.6	7.7	7.7	7.6	145
150				6.1	6.6		6.4	7.2		6.7	7	7.2	7	7.3	7.5	7.5	7.7	7.6	150
155							6.2	7		6.5	6.7	6.9	6.9	7.1	7.3	7.3	7.6	7.6	155
160							6.1	6.8		6.3	6.5	6.6	6.7	6.9	7.1	7.1	7.4	7.6	160
165							6			6.1	6.3		6.5	6.7	6.8	6.9	7.3	7.5	165
170										5.9	6		6.3	6.5	6.6	6.7	7.1	7.3	170
175										5.7	5.8		6.2	6.3		6.4	6.9	7	175
180										5.6			6	6.1		5.9	6.5	6.7	180
185													5.9	5.9		5.4	5.9		185
190													5.7	5.8		5.1	5.4		190
195													4.8			4.9	5		195
200																4.7	4.8		200
205																4.6	4.7		205
210																2.6			210

t\_205\_51201\_00\_000 / 51231\_00\_000 / 51261\_00\_000



# Lifting capacities Forces de levage

**TK**



ft	166 ft			170 ft			180 ft			184 ft			197 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	10.1			10.9												36
38	10.1			10.8												38
40	10.1			10.8			9.4			9.5						40
45	9.9			10.6			9.3			9.4			8.5			45
50	9.8			10.5			9.3			9.3			8.5			50
55	9.7			10.3			9.2			9.2			8.4			55
60	9.6	8.9		10.2	9.2		9.1			9.2			8.4			60
65	9.5	8.8		10	9		9	8.5		9.1	8.5		8.3			65
70	9.3	8.7		9.8	8.9		8.9	8.4		9	8.4		8.2	7.8		70
75	9.2	8.6		9.6	8.8		8.8	8.3		8.9	8.3		8.2	7.8		75
80	9	8.4	7.8	9.5	8.7	7.9	8.7	8.2		8.8	8.2		8.1	7.8		80
85	8.9	8.3	7.8	9.3	8.6	7.8	8.6	8.1	7.6	8.6	8.1	7.7	8	7.7		85
90	8.8	8.2	7.7	9.2	8.4	7.8	8.5	8.1	7.6	8.6	8.1	7.6	8	7.7	7.5	90
95	8.7	8.1	7.7	9	8.3	7.7	8.4	8	7.6	8.5	8	7.6	7.9	7.7	7.4	95
100	8.6	8.1	7.6	8.9	8.2	7.7	8.3	7.9	7.6	8.4	7.9	7.6	7.9	7.6	7.4	100
105	8.5	8	7.6	8.8	8.1	7.7	8.2	7.9	7.5	8.3	7.9	7.5	7.8	7.6	7.4	105
110	8.4	7.9	7.6	8.7	8	7.6	8.2	7.8	7.5	8.2	7.8	7.5	7.7	7.5	7.4	110
115	8.3	7.8	7.6	8.6	8	7.6	8.1	7.8	7.5	8.1	7.8	7.5	7.7	7.5	7.4	115
120	8.2	7.8	7.6	8.5	7.9	7.6	8	7.7	7.5	8	7.7	7.5	7.6	7.4	7.4	120
125	8	7.7	7.6	8.3	7.8	7.6	7.9	7.7	7.5	8	7.7	7.5	7.5	7.4	7.4	125
130	7.7	7.6	7.6	8.2	7.8	7.6	7.8	7.6	7.5	7.9	7.6	7.5	7.4	7.4	7.4	130
135	7.5	7.5	7.5	8.1	7.7	7.6	7.6	7.5	7.5	7.8	7.6	7.5	7.3	7.3	7.4	135
140	7.2	7.4	7.5	7.9	7.7	7.6	7.4	7.4	7.5	7.6	7.5	7.5	7.2	7.3	7.4	140
145	7	7.2	7.4	7.8	7.6	7.6	7.2	7.2	7.4	7.4	7.4	7.5	7.1	7.2	7.3	145
150	6.7	6.9	7.2	7.6	7.6	7.6	6.9	7	7.2	7.3	7.3	7.5	6.8	7	7.2	150
155	6.4	6.7	6.9	7.4	7.6	7.6	6.6	6.8	7	7.1	7.2	7.4	6.5	6.8	7	155
160	6.1	6.4	6.6	7.1	7.6	7.6	6.4	6.6	6.8	6.8	7	7.2	6.2	6.6	6.8	160
165	5.8	6.1	6.3	6.6	7.2	7.5	6.2	6.4	6.6	6.5	6.8	7	5.9	6.3	6.6	165
170	5.6	5.8	6	6.3	6.8	7.3	5.9	6.1	6.4	6.1	6.6	6.8	5.6	6.1	6.3	170
175	5.3	5.5	5.7	6.1	6.2	6.7	5.7	5.9	6.1	5.6	6.2	6.6	5.2	5.8	6	175
180	5.1	5.3	5.5	5.9	6	6.2	5.4	5.6	5.8	5.1	5.8	6.2	4.8	5.4	5.7	180
185	4.8	5	5.2	5.5	5.8	6	5.2	5.4	5.6	4.6	5.4	5.8	4.3	5	5.5	185
190	4.6	4.8	4.9	5.1	5.6	5.7	5	5.2	5.4	4.1	4.9	5.3	3.9	4.6	5	190
195	4.4	4.6		4.7	5.2	5.4	4.6	5	5.1	3.7	4.4	4.7	3.5	4.2	4.6	195
200	4.2	4.3		4.2	4.7		4.1	4.7	4.8	3.2	3.8	4.1	3	3.7	4.1	200
205	4	4.1		3.8	4.2		3.7	4.2		2.8	3.4	3.6	2.6	3.2	3.6	205
210	3.8	3.9		3.4	3.7		3.3	3.8		2.4	2.9		2.2	2.8	3.1	210
215	3.7	3.7		3.1	3.3		2.9	3.3		2	2.5		1.8	2.4	2.5	215
220	1.8			2.7	2.9		2.6	2.9			2.1			1.9		220
225							2.3	2.5								225
230							2	2.1								230

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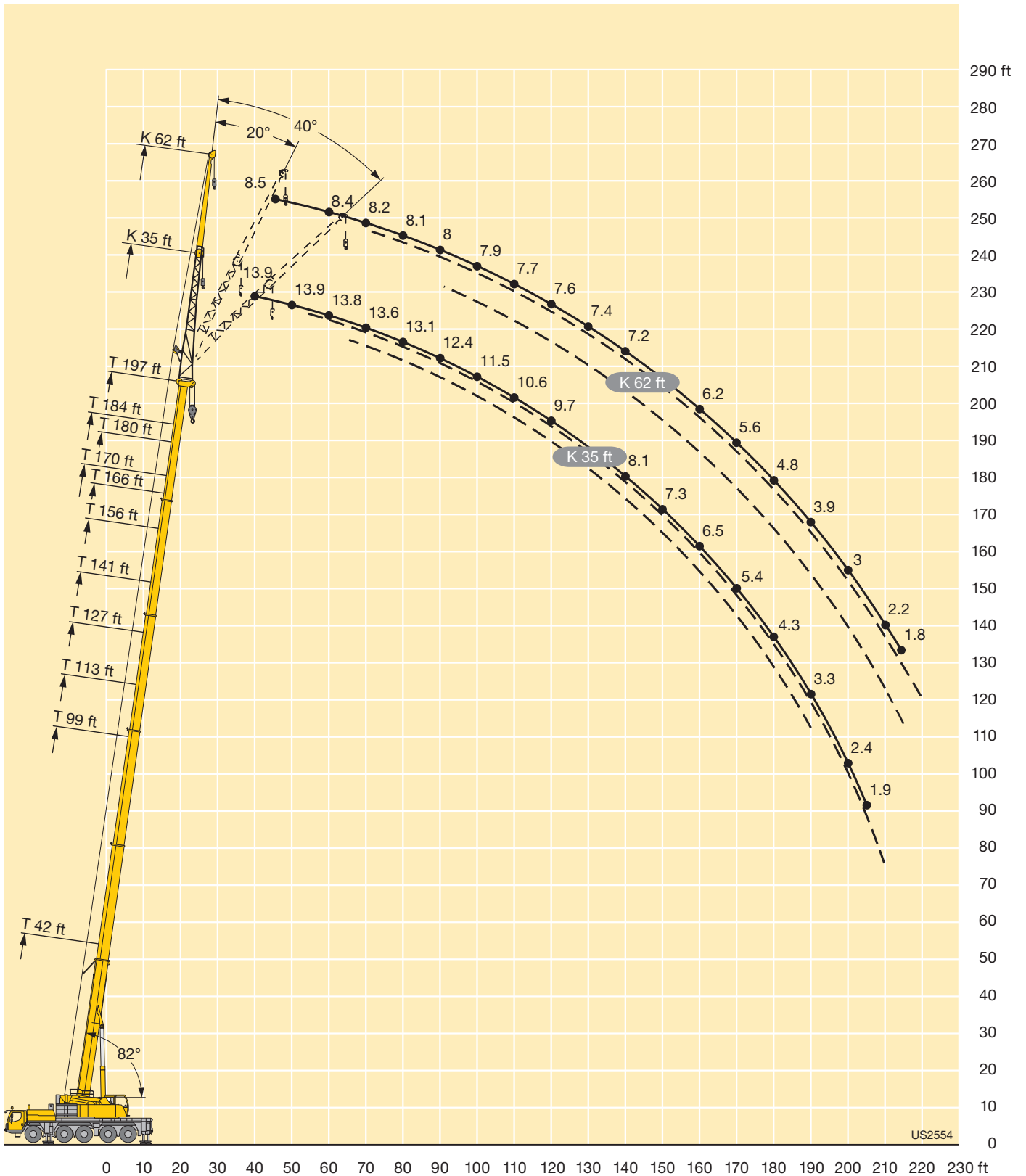






# Lifting heights Hauteurs de levage

TK









# Lifting capacities Forces de levage

TVK



ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			ft	
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
14	13.3																					14	
15	13.2																					15	
16	13.2																					16	
17	13.2																					17	
18	13.2																					18	
19	13.2																					19	
20	13.1	13.2																				20	
22	13	13.2																				22	
24	12.8	13.1																				24	
26	12.5	12.7																				26	
28	12.2	12.3																				28	
30	11.8	11.9	11.5																			30	
32	11.4	11.4	11.5																			32	
34	11.1	11.1	11.2	13.3																		34	
36	10.7	10.7	10.9	13.3																		36	
38	10.4	10.4	10.5	13.2				11.5			11.7											38	
40	10	10	10.2	13.2				11.5			11.7			10								40	
45	9.2	9.3	9.4	13.2				11.4			11.7			10			10.2			8.6		45	
50	8.4	8.7	8.8	13.1	12.9			11.4			11.7			10			10.2			8.6		50	
55	7.6	8.1	8.3	13	12.4			11.4	11.2		11.6	11.7		10	10		10.2			8.6		55	
60	6.9	7.6	7.8	12.8	11.9	11.2		11.3	10.9		11.6	11.4		10	10		10.2	10.2		8.5	8.6	60	
65	6.2	6.8	7.3	12.1	11.5	10.8		11.1	10.5	10	11	11.1	10.5	9.9	9.9	9.6	9.4	10.2		8.3	8.6	65	
70	5.7	6.2	6.6	10.7	11	10.4		10.2	10.1	9.7	9.4	10.7	10.1	9	9.7	9.3	7.9	9.5	9.7	7.2	8.5	8.4	70
75	5.2	5.6	5.9	9.2	10.4	10		8.8	9.8	9.4	8	9.4	9.8	7.6	9	9.1	6.6	8.1	9.2	6	7.4	8.3	75
80	4.7	5	5.2	7.8	9.1	9.7		7.5	8.8	9.1	6.7	8.1	9.2	6.5	7.7	8.7	5.4	6.8	8	4.9	6.2	7.4	80
85	4.3	4.5	4.6	6.7	7.9	8.9		6.3	7.6	8.6	5.6	6.9	7.9	5.4	6.6	7.6	4.2	5.6	6.8	3.8	5.2	6.2	85
90	3.9	4		5.6	6.8	7.7		5.3	6.5	7.5	4.6	5.8	6.8	4.3	5.6	6.5	3.2	4.6	5.6	2.8	4.2	5.2	90
95				4.7	5.8	6.6		4.4	5.5	6.4	3.6	4.8	5.7	3.5	4.6	5.5	2.2	3.6	4.6		3.2	4.3	95
100				3.9	4.9	5.6		3.6	4.6	5.4	2.8	3.9	4.8	2.5	3.7	4.6		2.6	3.7			3.3	100
105				3.1	4	4.8		2.8	3.8	4.5	1.8	3.1	3.9		2.9	3.7			2.7			2.4	105
110				2.3	3.3	3.9		1.9	3	3.7		2.2	3.1		2	2.9							110
115					2.5	3.2			2.2	3			2.2			2.1							115
120						2.5				2.2													120

t\_205\_01319\_00\_000 / 01349\_00\_000 / 01379\_00\_000



# Lifting capacities Forces de levage

**TVK**

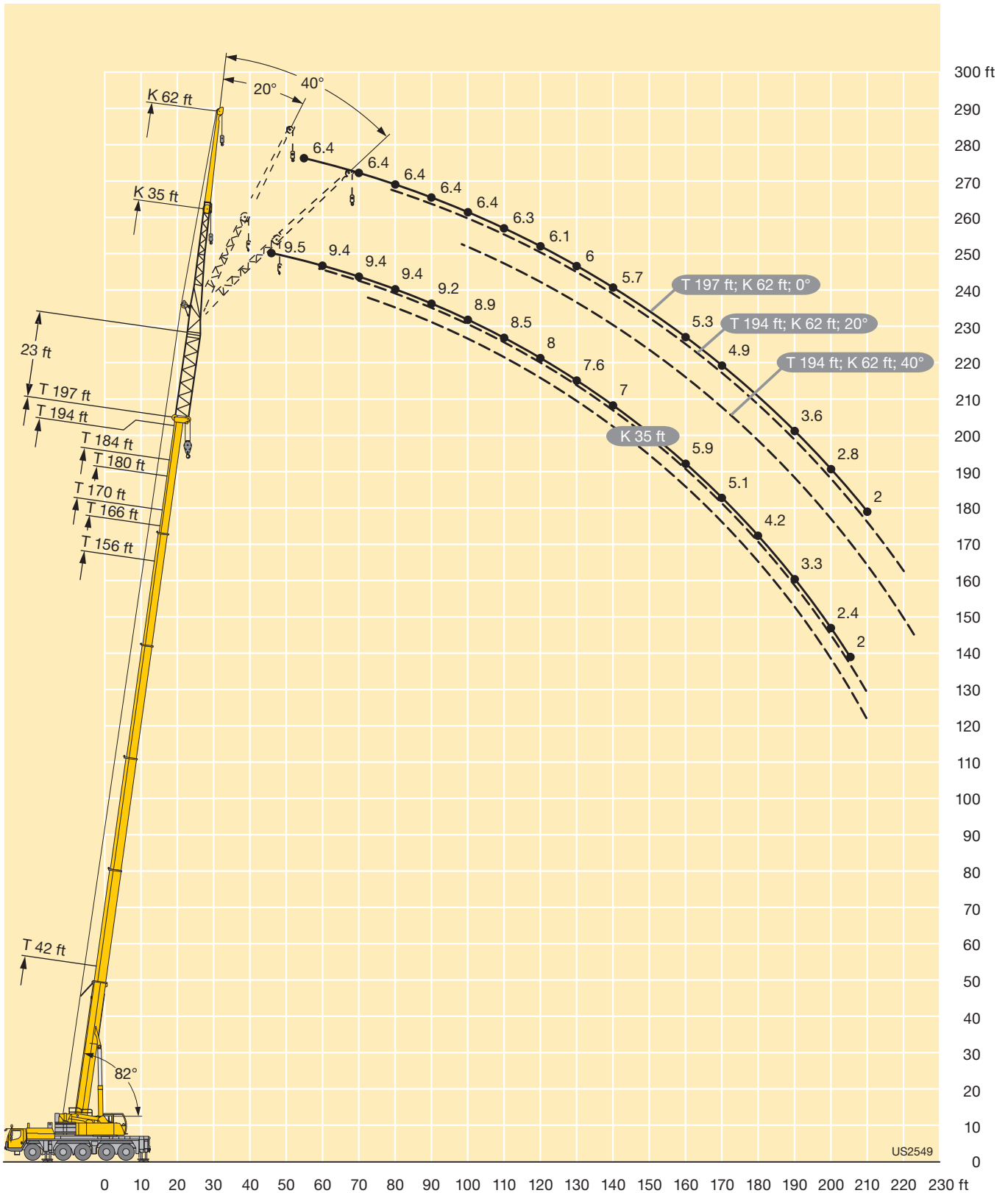
ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			ft				
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		0°	20°	40°	
17	8.3																								17	
18	8.3																									18
19	8.3																									19
20	8.3																									20
22	8.2																									22
24	8.2																									24
26	8.1																									26
28	8																									28
30	8																									30
32	8																									32
34	8	7.7																								34
36	7.9	7.7																								36
38	7.8	7.7																								38
40	7.8	7.7		8.3																						40
45	7.4	7.5		8.3			7.4			7.6																45
50	7.1	7.2	7	8.3			7.4			7.6			6.7			6.9			6							50
55	6.7	6.8	7	8.2			7.4			7.5			6.7			6.8			6					5.8		55
60	6.3	6.4	6.6	8.2			7.4			7.5			6.7			6.8			6					5.8		60
65	6	6.1	6.3	8.1	7.6		7.3			7.5			6.7			6.8			6					5.8		65
70	5.7	5.8	5.9	8	7.6		7.3	7.1		7.5	7.3		6.7			6.7			6					5.8		70
75	5.4	5.5	5.6	7.9	7.5		7.3	7.1		7.4	7.3		6.7	6.5		6.4	6.6		6					5.8		75
80	5.1	5.2	5.4	7.6	7.4		7.1	7		6.8	7.2		6.4	6.5		5.5	6.6		5.1	5.8				4.9		80
85	4.7	5	5.1	7	7.2	6.8	6.4	6.8		5.9	7		5.5	6.5		4.5	6.6		4.2	5.8				3.9		85
90	4.3	4.8	4.9	5.9	7	6.6	5.6	6.6	6.3	4.9	6.9	6.5	4.6	6.3	6.1	3.6	5.7		3.2	5.4				3.1		90
95	4	4.5	4.7	5	6.6	6.5	4.7	6.4	6.2	4	6	6.4	3.7	5.6	6	2.7	4.8	6.2	2.2	4.5	5.5			2.1		95
100	3.7	4.1	4.5	4.2	6	6.3	3.9	5.7	6	3.1	5.1	6.2	2.9	4.8	5.9		4	5.6		3.7	5.3					100
105	3.4	3.7	4	3.5	5.2	6.1	3.1	4.9	5.9	2.3	4.3	5.8	2	4	5.4		3.2	4.8		3	4.5					105
110	3.1	3.4	3.5	2.7	4.4	5.6	2.4	4.1	5.5		3.5	4.9		3.3	4.7		2.3	4		2.1	3.7					110
115	2.9	3		2	3.7	4.9		3.4	4.7		2.8	4.2		2.5	3.9			3.2			3					115
120					3	4.2		2.8	4		2	3.4		1.8	3.3			2.4			2.4					120
125					2.3	3.5		2	3.3			2.8			2.5											125
130						2.9			2.6			2			1.8											130
135						2.2			1.9																	135

t\_205\_01419\_00\_000 / 01449\_00\_000 / 01479\_00\_000



# Lifting heights Hauteurs de levage

TVK











# Lifting capacities Forces de levage

TVK



ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	8.9																					14
15	8.9																					15
16	8.9																					16
17	8.9																					17
18	8.9																					18
19	8.9																					19
20	8.9																					20
22	8.8																					22
24	8.8	8.9																				24
26	8.7	8.9																				26
28	8.6	8.9																				28
30	8.6	8.8																				30
32	8.5	8.7																				32
34	8.3	8.5	8.3																			34
36	8.1	8.3	8.3																			36
38	7.9	8.1	8.2																			38
40	7.7	7.9	8.1	8.9																		40
45	7.2	7.3	7.5	8.9			7.8			8												45
50	6.8	6.9	7	8.8			7.8			7.9			6.9			6.9			6			50
55	6.3	6.4	6.6	8.8	8.8		7.7			7.9			6.9			6.9			6			55
60	5.9	6	6.2	8.7	8.6		7.7	7.8		7.8	7.9		6.9	7		6.9			6			60
65	5.6	5.7	5.8	8.6	8.4	8.1	7.6	7.7		7.8	7.9		6.8	6.9		6.9	6.9		6	6		65
70	5.3	5.3	5.5	8.4	8.1	7.9	7.6	7.5	7.3	7.7	7.7	7.6	6.8	6.9		6.8	6.9		6	6		70
75	5	5	5.1	8.1	7.8	7.6	7.4	7.2	7.1	7.3	7.6	7.4	6.7	6.9	6.8	5.9	6.9	6.9	5.5	6		75
80	4.6	4.8	4.9	7.2	7.6	7.3	6.9	7	6.9	6.2	7.3	7.2	5.8	6.7	6.6	4.8	6.2	6.8	4.4	5.8	6	80
85	4.2	4.5	4.6	6.2	7.2	7.1	5.9	6.7	6.7	5.2	6.4	6.9	4.8	5.9	6.5	3.8	5.1	6.2	3.4	4.7	5.7	85
90	3.8	4.1	4.3	5.2	6.3	6.9	4.9	6	6.5	4.2	5.4	6.3	3.9	5	5.9	2.7	4.2	5.2		3.8	4.8	90
95	3.4	3.7	3.9	4.3	5.4	6.2	4	5.1	6	3.3	4.4	5.4	2.9	4.2	5		3.2	4.3		2.9	3.9	95
100	3.1	3.3	3.5	3.5	4.5	5.3	3.2	4.2	5.1	2.3	3.6	4.5		3.3	4.2		2.2	3.4			3.1	100
105	2.8	3	3	2.7	3.7	4.5	2.3	3.4	4.2		2.7	3.6		2.4	3.4			2.4				105
110	2.6	2.6	3	1.8	2.9	3.7		2.6	3.4		1.8	2.8			2.5							110
115	2.4				2.1	2.9		1.8	2.7			1.9										115
120						2.2			1.9													120

t\_205\_01519\_00\_000 / 01549\_00\_000 / 01579\_00\_000



# Lifting capacities Forces de levage

**TVK**



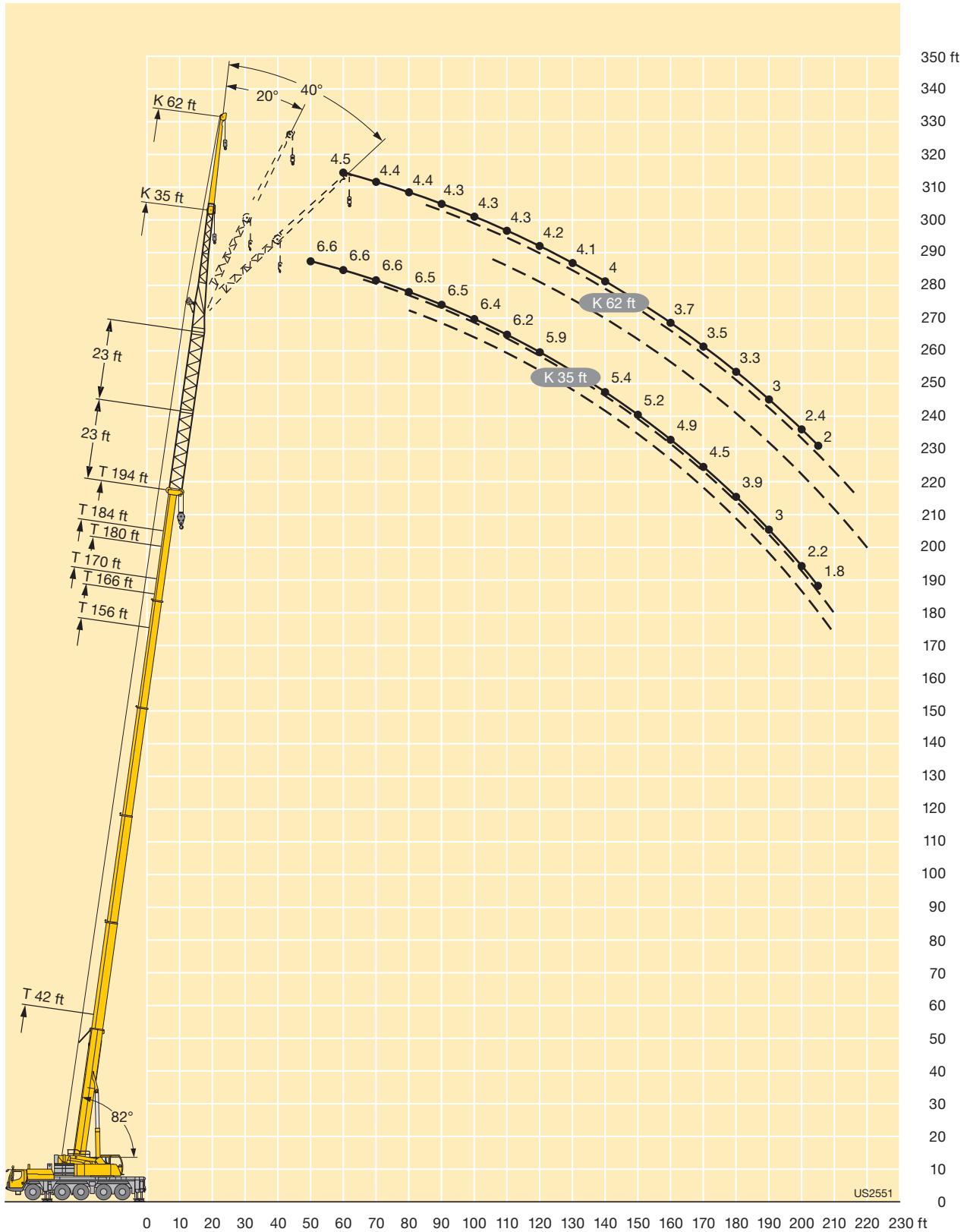
ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	6																					17
18	6																					18
19	6																					19
20	6																					20
22	6																					22
24	6																					24
26	6																					26
28	6																					28
30	5.9																					30
32	5.9																					32
34	5.9																					34
36	5.8																					36
38	5.8	6																				38
40	5.8	6																				40
45	5.6	6		6																		45
50	5.5	5.8		6			5.3			5.4												50
55	5.3	5.5	5.4	6			5.3			5.4			4.6		4.7							55
60	5	5.2	5.4	5.9			5.2			5.3			4.6		4.7			4				60
65	4.7	4.9	5.1	5.9			5.2			5.3			4.6		4.7			4				65
70	4.4	4.6	4.8	5.9			5.2			5.3			4.6		4.6			4				70
75	4.2	4.3	4.5	5.8	5.9		5.2	5.3		5.2	5.4		4.6		4.6			4				75
80	4	4.1	4.3	5.8	5.7		5.1	5.2		5.2	5.4		4.6	4.7		4.5	4.7		4			80
85	3.7	3.9	4.1	5.6	5.6		5.1	5.2		5	5.3		4.4	4.7		3.8	4.7		3.4	4.1		85
90	3.5	3.7	3.8	5.2	5.4	5.3	4.7	5.1		4.3	5.2		3.8	4.7		2.9	4.7			4.1		90
95	3.3	3.5	3.6	4.5	5.3	5.1	4.1	4.9	4.8	3.5	5.1	4.9	3	4.7			4.2			3.9		95
100	3.2	3.3	3.4	3.7	5.1	4.9	3.4	4.8	4.7	2.6	4.5	4.8	2.1	4.1	4.5		3.5	4.6		3.1		100
105	3	3.1	3.2	3	4.6	4.8	2.6	4.3	4.5		3.8	4.7		3.4	4.4		2.7	4.2			3.9	105
110	2.8	3	3.1	2.2	4	4.7		3.7	4.4		3.1	4.4		2.8	4.1		1.8	3.5			3.2	110
115	2.5	2.8	2.9		3.3	4.5		3	4.2		2.4	3.8		2	3.5			2.8			2.5	115
120	2.2	2.6	2.8		2.6	3.9		2.3	3.6			3.1			2.8			2.1				120
125	2.2	2.3	2.5		1.9	3.2			2.9			2.4			2.1							125
130	2.2	2.2	2.1			2.6			2.3													130
135	2.2	2.2	1.9			1.8																135
140	2.2	2.2																				140

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# Lifting heights Hauteurs de levage

TVK



# Lifting capacities

## Forces de levage

**TNZK**

42 - 197 ft

T

35 ft

NZK

360°

92600 lbs

**85%**

ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft		
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
14	38.7																			14	
15	38.7																				15
16	38.7	37.6		38.7																	16
17	38.7	37.6		38.7																	17
18	38.6	37.4		38.7																	18
19	38.3	36.8		38.7			38.7														19
20	37.6	36		38.7			38.7														20
22	36.3	34.5		38.7			38.7			37.2											22
24	34.9	33.1		38.7			38.7			37											24
26	33.5	31.8	25.9	38.7			38.7			36.8			31.8								26
28	32	30.6	25.3	38.7	33		38.7			36.6			31.7								28
30	30.5	29.5	24.6	38.7	32.2		38.7	31.9		36.1			31.6			26.5					30
32	29	28.4	23.9	38.7	31.4		38.7	31.3		35.7			31.3			26.5					32
34	27.6	27.4	23.3	38.7	30.7		38.4	30.7		35.2	29.7		31.1			26.4					34
36	26.1	26.5	22.7	38.6	30	24	37.8	30.1		34.7	29.3		30.7			26.3					36
38	24.6	25.6	22.2	38.3	29.3	23.7	37.1	29.4		34.2	28.7		30.4	27.2		26.1					38
40	23.4	24.5	21.6	37.5	28.7	23.3	36.4	28.9	23.3	33.7	28.2		30.1	26.9		25.9					40
45	20.7	21.4	20	35.6	27.3	22.5	34.8	27.6	22.6	32.6	27.1	22.4	29.3	25.9		25.5	24				45
50	18.6	19.2	18.3	33.6	26	21.8	33.3	26.4	21.9	31.4	26	21.7	28.6	25	21.3	25	23.3				50
55	16.7	18	17.5	31.4	24.8	21.1	31.9	25.3	21.2	30.4	25.1	21.1	27.8	24.2	20.7	24.5	22.7	20			55
60	15.3	17.1	16.9	29.3	23.8	20.5	30.4	24.3	20.7	29.3	24.2	20.6	27	23.4	20.2	24	22.1	19.6			60
65	14	16.4	6.3	27.2	22.9	19.9	28.8	23.4	20.2	28.3	23.3	20.1	26.3	22.8	19.8	23.5	21.6	19.2			65
70				25.1	22	19.5	27.2	22.5	19.7	27.2	22.6	19.7	25.6	22.1	19.4	22.7	21	18.8			70
75				23.3	21.1	19	25.5	21.8	19.3	26.2	21.9	19.3	24.7	21.4	19	21.8	20.5	18.5			75
80				21.7	20.3	18.6	23.8	21.1	18.9	25	21.2	18.9	23.5	20.9	18.7	20.9	20.1	18.2			80
85				20.3	19.5	18.1	22.3	20.4	18.5	23.7	20.6	18.6	22.4	20.3	18.4	20	19.4	18			85
90				19.1	18.8	17.7	21	19.7	18.1	22.3	20	18.3	21.2	19.8	18.1	18.8	18.6	17.7			90
95				18	18.2	17.3	19.9	19	17.8	21.1	19.5	18	20.1	19.3	17.9	17.7	17.7	17.3			95
100				17	17.6	17.1	18.8	18.5	17.4	19.9	18.9	17.7	18.8	18.8	17.6	16.8	16.8	16.9			100
105				16.1	17.1	16.9	17.8	17.9	17.2	18.8	18.4	17.4	17.3	17.9	17.3	15.9	15.9	16.1			105
110				15.3	16.7	13.9	16.9	17.4	16.9	17.6	17.8	17.1	15.9	16.8	16.9	15	15.1	15.3			110
115				14.5	16.4		16.1	16.9	16.8	16.3	16.9	16.7	14.7	15.4	16	14.1	14.3	14.5			115
120				13.9	16.3		15.4	16.1	16.2	15	15.7	16	13.9	14.2	14.7	13	13.5	13.7			120
125				12.5			14.4	14.8		13.8	14.4	14.6	13.2	13.2	13.5	12	12.7	13			125
130							13.5	13.7		12.6	13.1	13.4	12.4	12.6	12.6	11	11.7	12.1			130
135							12.5	12.7		11.6	12		11.4	12	12.1	10.4	10.7	11.2			135
140							8.1			10.6	11		10.4	11	11.2	10	10	10.2			140
145										9.7	10		9.5	10	10.2	9.5	9.6	9.7			145
150										8.8	9.1		8.7	9.1		8.9	9.1	9.2			150
155													8.2	8.3		8.1	8.5	8.7			155
160													7.9	8		7.4	7.7				160
165													7.7	7.8		6.9	7				165
170																6.6	6.7				170
175																6.4	6.4				175
180																6					180

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# Lifting capacities Forces de levage

**TNZK**

ft	166 ft			170 ft			180 ft			184 ft			197 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	18.4			19.5												32
34	18.4			19.5												34
36	18.4			19.5			16.3			16.5						36
38	18.4			19.5			16.3			16.5						38
40	18.4			19.5			16.3			16.5			13.9			40
45	18.4			19.5			16.3			16.5			13.9			45
50	18.3	17.9		19.5	19.5		16.3	15.8		16.5			13.9			50
55	18	17.5		19.5	19.5		16.2	15.8		16.5	16.3		13.9	13.6		55
60	17.4	16.8	16.2	19.5	19.5	18.5	16.2	15.8	15.3	16.5	16.3		13.8	13.5		60
65	16.7	16.2	15.6	19.5	19.4	18.3	15.8	15.5	15.1	16.3	16.2	15.5	13.8	13.5	13.1	65
70	16	15.5	15.1	19.3	18.9	18	15.3	15.1	14.7	15.9	15.8	15.4	13.6	13.4	13.1	70
75	15.3	14.9	14.5	18.6	18.2	17.7	14.8	14.5	14.2	15.6	15.3	15	13.4	13.3	13.1	75
80	14.6	14.3	14	17.8	17.4	17.2	14.3	13.9	13.7	15.1	14.8	14.6	13.1	13	13	80
85	13.9	13.6	13.5	16.9	16.6	16.5	13.7	13.4	13.2	14.5	14.2	14.1	12.8	12.6	12.6	85
90	13.3	13	13	16.1	15.8	15.8	13.1	12.9	12.8	13.9	13.7	13.6	12.4	12.2	12.2	90
95	12.6	12.5	12.5	15.4	15.1	15.2	12.5	12.4	12.3	13.3	13.2	13.1	11.9	11.8	11.8	95
100	12	11.9	12	14.7	14.5	14.5	12	11.9	11.8	12.8	12.7	12.7	11.5	11.4	11.4	100
105	11.4	11.4	11.4	14	13.8	13.8	11.4	11.4	11.4	12.2	12.1	12.2	11.1	11	11	105
110	10.8	10.8	10.9	13.3	13.2	13.2	10.9	10.9	11	11.7	11.6	11.7	10.6	10.6	10.6	110
115	10.2	10.3	10.4	12.7	12.6	12.7	10.4	10.5	10.5	11.1	11.1	11.2	10.2	10.2	10.3	115
120	9.7	9.8	10	12	12	12.1	10	10.1	10.1	10.7	10.7	10.8	9.7	9.8	10	120
125	9.2	9.4	9.5	11.4	11.5	11.6	9.6	9.6	9.7	10.3	10.2	10.3	9.3	9.5	9.6	125
130	8.8	8.9	9.1	10.8	10.9	11.1	9.1	9.2	9.4	9.9	9.8	9.9	8.9	9.1	9.3	130
135	8.3	8.5	8.7	10.2	10.4	10.6	8.7	8.9	9	9.5	9.5	9.6	8.5	8.7	8.9	135
140	7.9	8.1	8.3	9.4	9.9	10.1	8.4	8.5	8.6	9.1	9.1	9.2	8.1	8.3	8.5	140
145	7.6	7.7	7.9	8.7	9.2	9.5	8	8.1	8.3	8.6	8.8	8.9	7.7	7.9	8.1	145
150	7.2	7.4	7.5	8.3	8.5	8.8	7.7	7.8	7.9	8.1	8.4	8.6	7.3	7.5	7.7	150
155	6.9	7	7.1	8	8	8.1	7.4	7.5	7.6	7.5	7.9	8.1	6.9	7.2	7.4	155
160	6.6	6.7	6.8	7.7	7.7	7.8	7.1	7.2	7.3	6.9	7.4	7.6	6.6	6.8	7	160
165	6.3	6.4	6.4	7.2	7.4	7.5	6.8	6.9	7	6.3	6.7	7	6	6.4	6.6	165
170	6	6.1		6.7	6.9		6.4	6.6	6.7	5.6	6.1	6.3	5.4	5.9	6.1	170
175	5.7	5.8		6	6.4		6	6.2	6.4	5	5.4	5.6	4.9	5.3	5.6	175
180	5.4	5.5		5.5	5.8		5.5	5.8		4.5	4.8	5	4.3	4.8	4.9	180
185	5.2	5.3		5	5.2		4.9	5.2		3.9	4.3		3.8	4.2	4.4	185
190	4.9			4.5	4.6		4.5	4.7		3.5	3.7		3.3	3.7	3.8	190
195				3.8			4	4.2		3	3.2		2.8	3.2		195
200							3.6	3.7		2.6	2.7		2.4	2.7		200
205							3.1			2.2	2.3		2	2.2		205
210										1.8				1.8		210

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# Lifting capacities Forces de levage

**TNZK**

42 – 197 ft    62 ft    360°    92600 lbs    85%

ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	16.6																		17
18	16.5																		18
19	16.3																		19
20	16.2																		20
22	15.9			14															22
24	15.5			13.9			13.4												24
26	15.2			13.8			13.3												26
28	14.8			13.7			13.2			12.5									28
30	14.4	11.4		13.6			13.1			12.4			11.9						30
32	14	11.4		13.4			13			12.3			11.8						32
34	13.6	11.3		13.2			12.9			12.2			11.8			11.7			34
36	13.2	11.1		13			12.7			12.1			11.7			11.7			36
38	12.9	10.8		12.8			12.6			12			11.6			11.6			38
40	12.5	10.6		12.7			12.4			11.9			11.5			11.5			40
45	11.7	10		12.3	10.2		12.1			11.6			11.3			11.3			45
50	11	9.7	8.7	11.9	9.9		11.7	9.9		11.3	9.8		11			11.1			50
55	10.3	9.3	8.5	11.5	9.7		11.4	9.7		11	9.6		10.8	9.5		10.9			55
60	9.8	9	8.3	11.1	9.4	8.3	11.1	9.4		10.8	9.4		10.6	9.3		10.7	9.4		60
65	9.3	8.7	8.1	10.7	9.2	8.2	10.8	9.2	8.2	10.5	9.2		10.3	9.1		10.4	9.2		65
70	8.8	8.5	8	10.3	9	8.1	10.4	9	8.1	10.2	9	8.1	10.1	9	8.1	10.2	9.1		70
75	8.2	8.3	7.9	10	8.8	8	10.2	8.9	8	10	8.8	8	9.9	8.8	8	10	8.9	8	75
80	7.6	8.1	7.9	9.7	8.6	7.9	9.9	8.7	8	9.8	8.7	7.9	9.7	8.7	7.9	9.8	8.8	7.9	80
85	7.1	8	7.9	9.5	8.5	7.9	9.6	8.5	7.9	9.6	8.5	7.9	9.5	8.5	7.8	9.6	8.6	7.9	85
90	6.7	7.9	7.9	9.2	8.4	7.8	9.4	8.4	7.8	9.4	8.4	7.8	9.3	8.4	7.8	9.4	8.5	7.8	90
95	6.3	7.9		8.9	8.2	7.8	9.2	8.3	7.8	9.2	8.3	7.8	9.2	8.3	7.7	9.3	8.4	7.8	95
100				8.7	8.1	7.7	8.9	8.2	7.7	9	8.2	7.7	9	8.2	7.7	9.1	8.3	7.7	100
105				8.4	8	7.7	8.7	8.1	7.7	8.8	8.1	7.7	8.8	8.1	7.7	9	8.2	7.7	105
110				8.1	8	7.7	8.4	8	7.7	8.7	8	7.7	8.7	8	7.6	8.8	8.1	7.6	110
115				7.8	7.9	7.7	8.2	7.9	7.7	8.5	8	7.7	8.5	8	7.6	8.7	8	7.6	115
120				7.4	7.8	7.7	7.9	7.9	7.7	8.2	7.9	7.7	8.4	7.9	7.6	8.6	7.9	7.6	120
125				7.2	7.7	7.7	7.6	7.8	7.7	7.9	7.8	7.7	8.2	7.9	7.6	8.5	7.9	7.6	125
130				6.9	7.6	7.7	7.4	7.8	7.7	7.7	7.7	7.7	8	7.8	7.6	8.4	7.8	7.6	130
135				6.7	7.4	7.5	7.1	7.7	7.7	7.5	7.6	7.7	7.8	7.7	7.6	8.2	7.8	7.6	135
140				6.5	7.1		6.9	7.6	7.7	7.3	7.5	7.7	7.6	7.7	7.6	8	7.7	7.6	140
145				6.3	6.8		6.7	7.4	7.6	7.1	7.2	7.4	7.4	7.5	7.6	7.8	7.7	7.6	145
150				6.2	6.7		6.5	7.2		6.8	7	7.2	7.2	7.3	7.5	7.6	7.6	7.6	150
155							6.4	7		6.6	6.7	6.9	7	7.1	7.3	7.4	7.5	7.6	155
160							6.3	6.8		6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.4	7.6	160
165							6.2			6.2	6.3		6.6	6.7	6.8	7	7.3	7.5	165
170										5.9	6		6.4	6.5	6.6	6.9	7.1	7.3	170
175										5.7	5.8		6.2	6.3		6.4	6.9	7	175
180										5.6			6	6.1		6	6.6	6.7	180
185													5.8	6		5.4	6		185
190													5.7	5.8		5.1	5.4		190
195													4.9			4.9	5		195
200																4.7	4.8		200
205																4.6	4.7		205
210																2.7			210

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# Lifting capacities Forces de levage

**TNZK**

42 - 197 ft  
T

62 ft  
NZK

360°

92600 lbs

85%

	166 ft			170 ft			180 ft			184 ft			197 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	10.1			10.8												36
38	10.1			10.8												38
40	10.1			10.7			9.4									40
45	9.9			10.6			9.4			9.4			8.5			45
50	9.8			10.5			9.3			9.3			8.5			50
55	9.7			10.3			9.2			9.2			8.4			55
60	9.6			10.1	9.2		9.1			9.2			8.3			60
65	9.4	8.7		9.9	9		9	8.5		9.1	8.5		8.3			65
70	9.3	8.6		9.7	8.9		8.9	8.4		8.9	8.4		8.2			70
75	9.2	8.5		9.6	8.8		8.8	8.3		8.8	8.3		8.2	7.8		75
80	9	8.4	7.8	9.4	8.6	7.8	8.7	8.2		8.7	8.2		8.1	7.8		80
85	8.9	8.3	7.7	9.3	8.5	7.8	8.6	8.1	7.6	8.6	8.1	7.6	8	7.7		85
90	8.8	8.2	7.7	9.1	8.4	7.7	8.5	8.1	7.6	8.5	8.1	7.6	8	7.7	7.4	90
95	8.7	8.1	7.7	9	8.3	7.7	8.4	8	7.6	8.5	8	7.6	7.9	7.6	7.4	95
100	8.6	8	7.6	8.9	8.2	7.7	8.3	7.9	7.5	8.4	7.9	7.5	7.8	7.6	7.4	100
105	8.5	8	7.6	8.8	8.1	7.6	8.2	7.8	7.5	8.3	7.9	7.5	7.8	7.5	7.4	105
110	8.4	7.9	7.6	8.7	8	7.6	8.1	7.8	7.5	8.2	7.8	7.5	7.7	7.5	7.4	110
115	8.3	7.8	7.6	8.5	7.9	7.6	8.1	7.7	7.5	8.1	7.7	7.5	7.7	7.5	7.4	115
120	8.2	7.8	7.6	8.4	7.9	7.6	8	7.7	7.5	8	7.7	7.5	7.6	7.4	7.4	120
125	8	7.7	7.6	8.3	7.8	7.6	7.9	7.6	7.5	8	7.7	7.5	7.5	7.4	7.4	125
130	7.7	7.6	7.6	8.2	7.8	7.6	7.8	7.6	7.5	7.9	7.6	7.5	7.4	7.4	7.4	130
135	7.5	7.5	7.6	8.1	7.7	7.6	7.6	7.5	7.5	7.8	7.6	7.5	7.3	7.3	7.4	135
140	7.2	7.4	7.5	8	7.7	7.6	7.4	7.3	7.5	7.6	7.5	7.5	7.2	7.3	7.4	140
145	7	7.2	7.4	7.9	7.6	7.6	7.2	7.2	7.4	7.4	7.4	7.5	7.1	7.2	7.3	145
150	6.7	7	7.2	7.7	7.6	7.6	6.9	7.1	7.2	7.3	7.3	7.5	6.8	7	7.2	150
155	6.4	6.7	7	7.4	7.6	7.6	6.7	6.9	7.1	7.1	7.2	7.5	6.5	6.8	7	155
160	6.1	6.4	6.7	7.1	7.6	7.6	6.4	6.6	6.9	6.9	7	7.3	6.2	6.6	6.8	160
165	5.9	6.1	6.3	6.6	7.3	7.5	6.2	6.4	6.6	6.5	6.8	7	6	6.3	6.6	165
170	5.6	5.8	6	6.3	6.8	7.3	5.9	6.1	6.4	6.1	6.6	6.8	5.6	6.1	6.3	170
175	5.3	5.6	5.7	6.1	6.3	6.7	5.7	5.9	6.1	5.7	6.2	6.6	5.2	5.8	6.1	175
180	5.1	5.3	5.4	5.9	6	6.2	5.5	5.7	5.9	5.2	5.8	6.2	4.8	5.5	5.8	180
185	4.9	5	5.2	5.6	5.8	6	5.3	5.4	5.6	4.7	5.4	5.8	4.4	5.1	5.5	185
190	4.6	4.8	4.9	5.2	5.6	5.8	5	5.2	5.4	4.2	4.9	5.3	3.9	4.6	5.1	190
195	4.4	4.6		4.7	5.2	5.4	4.6	5	5.1	3.7	4.4	4.7	3.5	4.2	4.6	195
200	4.2	4.3		4.3	4.7		4.2	4.7	4.8	3.3	3.9	4.1	3	3.7	4.1	200
205	4	4.1		3.8	4.2		3.7	4.2		2.8	3.4	3.6	2.6	3.3	3.6	205
210	3.9	3.9		3.4	3.8		3.3	3.8		2.4	2.9		2.2	2.8	3.1	210
215	3.7	3.7		3.1	3.3		3	3.3		2.1	2.5		1.8	2.4	2.5	215
220	2			2.7	2.8		2.6	2.9			2.1			2		220
225							2.3	2.5								225
230							2									230

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# Lifting capacities Forces de levage

**TNZK**

		42 - 197 ft T			62 ft NZK			360°			14600 lbs			85%									
ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft				
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
17	15.1																					17	
18	15																					18	
19	14.8																					19	
20	14.7																					20	
22	14.4				12.7																	22	
24	14.1				12.7			12.2														24	
26	13.8				12.6			12.1														26	
28	13.5				12.5			12			11.4											28	
30	13.1	10.4			12.3			12			11.3					10.8						30	
32	12.7	10.4			12.2			11.8			11.2					10.8						32	
34	12.4	10.3			12			11.7			11.1					10.7			10.7			34	
36	12	10.1			11.8			11.6			11					10.6			10.6			36	
38	11.7	9.8			11.7			11.4			10.9					10.5			10.5			38	
40	11.4	9.6			11.5			11.3			10.8					10.5			10.5			40	
45	10.6	9.1			11.2	9.3		11			10.6					10.3			10.3			45	
50	10	8.8	7.9		10.8	9		10.7	9		10.3	8.9			10			10.1				50	
55	9.4	8.5	7.7		10.4	8.8		10.4	8.8		10	8.7			9.8	8.7			9.9			55	
60	8.9	8.2	7.5		10.1	8.6	7.6		10.1	8.6		9.8	8.5		9.6	8.5			9.7	8.5		60	
65	8.5	7.9	7.4		9.7	8.4	7.5		9.8	8.4	7.5	9.6	8.3		9.4	8.3			9.5	8.4		65	
70	8	7.7	7.2		9.4	8.2	7.4		9.5	8.2	7.4	9.3	8.2	7.3		9.2	8.1	7.3		9.1	8.2	70	
75	7.4	7.5	7.2		9.1	8	7.3		9.2	8.1	7.3	9.1	8	7.3		9	8	7.3		8.7	8.1	7.3	75
80	6.9	7.4	7.1		8.8	7.9	7.2		9	7.9	7.2	8.9	7.9	7.2		8.8	7.9	7.2		8.2	8	7.2	80
85	6.5	7.2	7.1		8.6	7.7	7.1		8.7	7.8	7.2	8.7	7.8	7.2		8.4	7.8	7.1		7.3	7.9	7.2	85
90	6.1	7.2	7.1		8.4	7.6	7.1		8.5	7.7	7.1	8.3	7.6	7.1		7.5	7.7	7.1		6.3	7.6	7.1	90
95	5.7	7.2			8.1	7.5	7.1		8.2	7.5	7.1	7.4	7.5	7		6.5	7.5	7		5.4	7.1	7	95
100					7.7	7.4	7		7.5	7.4	7	6.5	7.4	7		5.7	7.2	7		4.6	6.3	7	100
105					6.9	7.3	7		6.6	7.3	7	5.7	7	7		4.9	6.3	7		3.8	5.4	6.7	105
110					6.1	7.1	7		5.8	6.9	7	5	6.2	6.9		4.2	5.5	6.6		3.1	4.6	5.9	110
115					5.4	6.3	6.9		5.1	6.1	6.8	4.3	5.5	6.4		3.5	4.8	5.9	2.4		3.9	5.1	115
120					4.7	5.5	6.1		4.4	5.3	6	3.7	4.8	5.6		2.9	4.1	5.1			3.2	4.3	120
125					4.1	4.8	5.3		3.8	4.7	5.3	3.2	4.2	4.9		2.4	3.5	4.4			2.6	3.6	125
130					3.6	4.2	4.5		3.3	4	4.5	2.6	3.5	4.2			2.9	3.7			1.8	2.9	130
135					3.1	3.6	3.8		2.8	3.5	3.9	2	3	3.5			2.3	3.1				2.3	135
140					2.7	3.1			2.3	2.9	3.3			2.4	2.9			2.5					140
145					2.3	2.5			1.9	2.4	2.7			1.8	2.4			1.9					145
150					1.9	2				1.9													150

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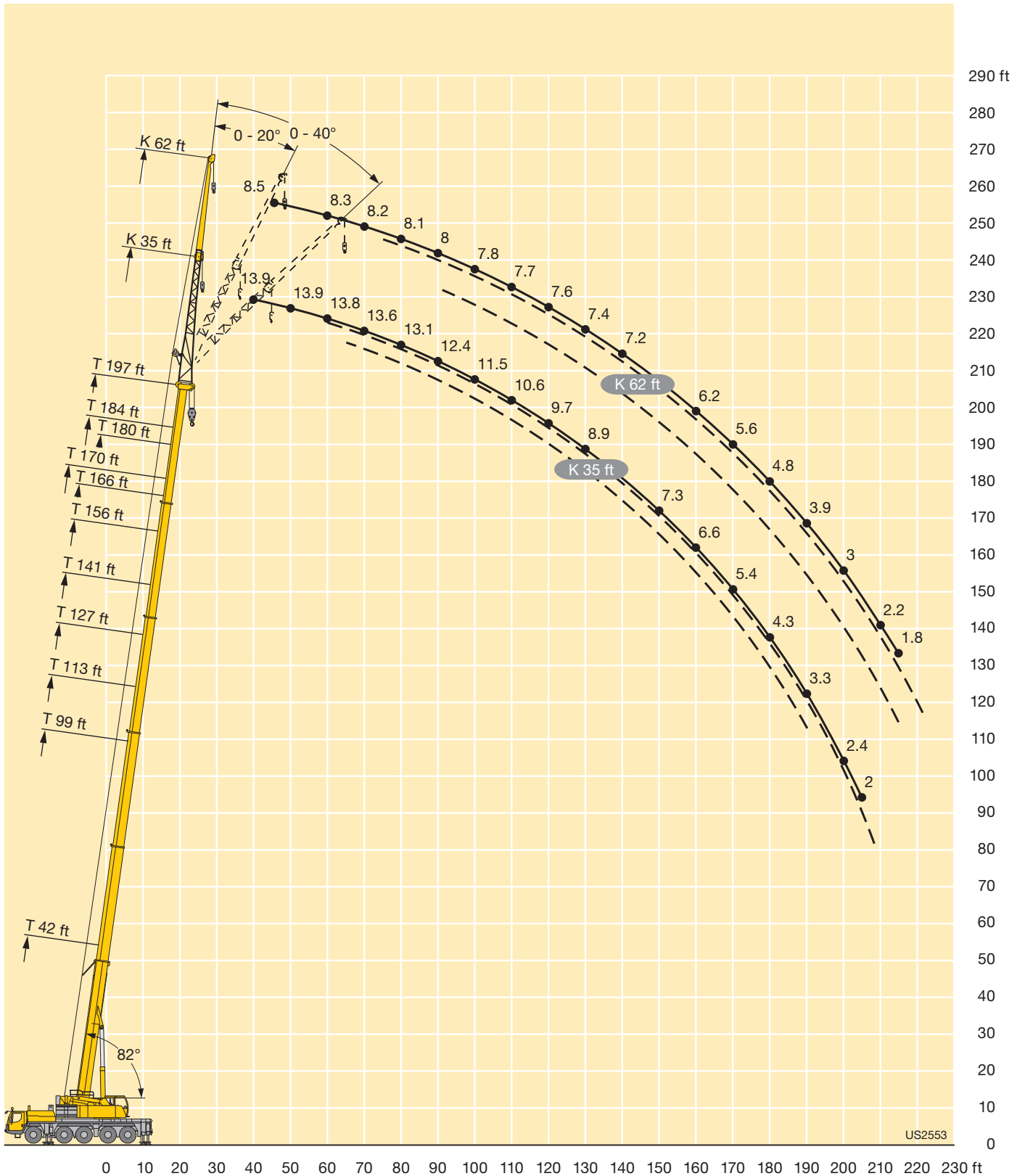
		42 - 197 ft T			62 ft NZK			360°			14600 lbs			85%								
ft	166 ft			170 ft			180 ft			184 ft			197 ft			ft						
	62 ft			62 ft			62 ft			62 ft			62 ft									
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°				
36	9.2																					36
38	9.2																					38
40	9.1																					40
45	9																					45
50	8.9																					50
55	8.8																					55
60	8.7																					60
65	8.6	7.9																				65
70	8.4	7.8																				70
75	8.3	7.8																				75
80	8	7.7	7.1																			80
85	7	7.6	7																			85
90	6	7.4	7																			90
95	5.1	6.8	6.9																			95
100	4.3	6	6.9																			100
105	3.5	5.2	6.5																			105
110	2.8	4.4	5.7																			110
115	2	3.7	4.9																			115
120		3	4.1																			120
125		2.3	3.4																			125
130			2.8																			130
135			2.1																			135

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# Lifting heights Hauteurs de levage

**TNZK**





# Lifting capacities Forces de levage

**TVNZK**



ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			ft				
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		0°	20°	40°	
14	14.6																							14		
15	14.6																							15		
16	14.6																							16		
17	14.5																							17		
18	14.5																							18		
19	14.5																							19		
20	14.5	14.5																						20		
22	14.4	14.4																						22		
24	14.2	14.3																						24		
26	13.8	14																						26		
28	13.4	13.5																						28		
30	13	13.1	12.6																					30		
32	12.6	12.6	12.6																					32		
34	12.2	12.2	12.4																					34		
36	11.8	11.8	12	14.6																				36		
38	11.4	11.4	11.6	14.6				12.6			12.9													38		
40	11	11	11.2	14.6				12.6			12.9			11										40		
45	10.1	10.2	10.4	14.5				12.6			12.9			11			11.2					9.5		45		
50	9.3	9.6	9.7	14.5	14.1			12.6			12.9			11			11.2					9.5		50		
55	8.4	9	9.1	14.3	13.6			12.5	12.3		12.8	12.8		11	11		11.2					9.4		55		
60	7.6	8.4	8.6	14.1	13.1	12.3		12.4	12		12.7	12.5		11	11		11.2	11.2				9.4	9.5	60		
65	6.9	7.5	8	13.6	12.6	11.9		12.2	11.5	11	12.7	12.1	11.5	11	10.9	10.6	11.2	11.2				9.4	9.5	65		
70	6.3	6.8	7.2	13.1	12.1	11.4		11.9	11.1	10.6	12.4	11.7	11.2	10.9	10.7	10.3	11.1	11	10.7			9.4	9.5	9.3	70	
75	5.7	6.1	6.4	12.7	11.6	11.1		11.5	10.8	10.3	12.1	11.3	10.8	10.8	10.4	10	11	10.7	10.3			9.4	9.5	9.3	75	
80	5.2	5.5	5.7	12.2	11.2	10.7		11.2	10.4	10	11.8	11	10.4	10.6	10.1	9.8	10.8	10.5	10.1			9.3	9.4	9.2	80	
85	4.7	5	5	11.8	10.8	10.3		10.8	10.1	9.7	11.4	10.6	10.2	10.3	9.8	9.5	10.7	10.2	9.9			9.3	9.2	9.1	85	
90	4.3	4.4		11.3	10.4	10		10.4	9.8	9.5	11.1	10.3	9.9	10	9.6	9.3	10.5	9.9	9.6			9.2	9.1	8.9	90	
95				10.8	10.1	9.7		10	9.5	9.2	10.7	10	9.6	9.7	9.4	9.1	10.2	9.7	9.4			9.1	8.9	8.7	95	
100				10.4	9.8	9.5		9.6	9.3	9	10.3	9.7	9.4	9.4	9.1	8.9	9.9	9.5	9.2			9	8.7	8.6	100	
105				10	9.5	9.3		9.3	9	8.8	10	9.5	9.2	9.1	8.9	8.7	9.7	9.2	9			8.7	8.5	8.4	105	
110				9.6	9.3	9		9	8.8	8.6	9.6	9.2	9	8.9	8.7	8.5	9.4	9	8.8			8.5	8.4	8.2	110	
115				9.2	9	8.8		8.6	8.5	8.4	9.3	9	8.8	8.6	8.4	8.3	9.1	8.8	8.7			8.3	8.2	8.1	115	
120				8.8	8.8	8.7		8.3	8.3	8.2	8.9	8.7	8.6	8.3	8.2	8.2	8.8	8.6	8.5	8		8	8	7.9	7.9	120
125				8.4	8.5	8.4		8	8	8	8.6	8.5	8.4	8	7.9	8	8.5	8.4	8.3			7.8	7.8	7.8	125	
130				8	8.2	8.1		7.6	7.7	7.8	8.3	8.3	8.3	7.7	7.7	7.8	8.2	8.2	8.1			7.5	7.5	7.6	130	
135				7.7	7.8	7.9		7.3	7.4	7.5	7.9	8	8	7.4	7.4	7.5	7.9	7.9	7.9			7.3	7.3	7.4	135	
140				7.4	7.5	7.6		7	7.1	7.2	7.6	7.7	7.8	7.2	7.2	7.3	7.6	7.7	7.7			7	7.1	7.2	140	
145				7	7.1	7.2		6.7	6.8	6.9	7.3	7.4	7.5	6.9	7	7.1	7.3	7.4	7.5			6.8	6.8	7	145	
150				6.7	6.8	6.9		6.3	6.5	6.6	7	7.1	7.2	6.6	6.7	6.8	7.1	7.1	7.2			6.5	6.6	6.8	150	
155				6.4	6.5	6.6		6	6.2	6.3	6.7	6.8	6.9	6.3	6.4	6.6	6.8	6.9	7			6.2	6.4	6.5	155	
160				6.1	6.2	6.3		5.8	5.9	6	6.5	6.6	6.6	6.1	6.2	6.3	6.4	6.6	6.7			5.9	6.1	6.2	160	
165				5.9	6	6		5.5	5.6	5.7	6.2	6.3	6.4	5.8	5.9	6	6	6.3	6.5			5.6	5.8	5.9	165	
170				5.6	5.7	5.8		5.2	5.3	5.4	6	6.1	6.1	5.6	5.7	5.8	5.6	5.9	6.1			5.1	5.5	5.6	170	
175				5.4	5.5	5.5		4.9	5.1	5.1	5.8	5.8	5.9	5.3	5.4	5.5	5.1	5.5	5.7			4.7	5.1	5.4	175	
180				5.1	5.2			4.7	4.8	4.9	5.5	5.6	5.7	5.1	5.2	5.3	4.5	5	5.2			4.2	4.6	4.9	180	
185				4.9	5			4.5	4.6	4.6	5	5.3	5.4	4.9	5	5	4	4.5	4.7			3.8	4.2	4.4	185	
190				4.7	4.8			4.3	4.3		4.6	4.8		4.5	4.7	4.8	3.5	3.9	4.1			3.3	3.7	3.9	190	
195				4.5	4.6			4	4.1		4.1	4.4		4	4.3	4.4	3.1	3.4	3.6			2.9	3.2	3.5	195	
200				4.3	4.4			3.8	3.9		3.6	3.9		3.5	3.8		2.6	2.9	3.1			2.4	2.8	3	200	
205				3.3				3.6	3.7		3.2	3.4		3.1	3.4		2.2	2.5				2	2.3	2.5	205	
210								3.4	3.5		2.8	2.9		2.7	2.9		1.8	2					1.9	2	210	
215								2.5			2.5	2.5		2.3	2.5										215	
220														2	2.1										220	

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# Lifting capacities Forces de levage

**TVNZK**



ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			ft		
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
14	13.3																					14		
15	13.3																						15	
16	13.2																						16	
17	13.2																						17	
18	13.2																						18	
19	13.2																						19	
20	13.1	13.2																					20	
22	13.1	13.1																					22	
24	12.9	13																					24	
26	12.6	12.7																					26	
28	12.2	12.3																					28	
30	11.8	11.9	11.4																				30	
32	11.5	11.5	11.4																				32	
34	11.1	11.1	11.2																				34	
36	10.7	10.7	10.9	13.3																			36	
38	10.4	10.4	10.5	13.3				11.5			11.8												38	
40	10	10	10.2	13.3				11.5			11.8			10									40	
45	9.2	9.3	9.4	13.2				11.4			11.8			10			10.2				8.6		45	
50	8.4	8.7	8.8	13.1	12.9			11.4			11.7			10			10.2				8.6		50	
55	7.6	8.2	8.3	13	12.4			11.4	11.2		11.6	11.7		10	10		10.2				8.6		55	
60	6.9	7.6	7.8	12.8	11.9	11.2		11.3	10.9		11.6	11.4		10	10		10.2	10.2			8.6	8.6	60	
65	6.3	6.9	7.3	12.1	11.4	10.8		11.1	10.5	10	11.1	11	10.5	9.9	9.9	9.6	9.5	10.2			8.4	8.6	65	
70	5.7	6.2	6.6	10.7	11	10.4		10.2	10.1	9.7	9.5	10.6	10.1	9	9.7	9.3	8	9.5	9.7		7.3	8.5	8.4	70
75	5.2	5.6	5.9	9.2	10.4	10		8.9	9.8	9.4	8.1	9.5	9.8	7.7	9	9.1	6.6	8.1	9.3		6	7.5	8.3	75
80	4.7	5	5.2	7.9	9.2	9.7		7.6	8.9	9.1	6.8	8.1	9.2	6.5	7.8	8.8	5.4	6.9	8		4.9	6.3	7.5	80
85	4.3	4.5	4.6	6.7	7.9	8.9		6.4	7.7	8.6	5.6	6.9	8	5.4	6.7	7.7	4.3	5.7	6.8		3.9	5.2	6.3	85
90	3.9	4		5.7	6.8	7.7		5.4	6.5	7.5	4.6	5.8	6.8	4.4	5.6	6.6	3.3	4.6	5.7		2.9	4.3	5.2	90
95				4.8	5.8	6.7		4.5	5.5	6.4	3.7	4.8	5.7	3.5	4.6	5.6	2.2	3.6	4.6		1.8	3.3	4.3	95
100				3.9	4.9	5.7		3.6	4.6	5.4	2.8	4	4.8	2.6	3.7	4.6		2.7	3.7				3.4	100
105				3.2	4.1	4.8		2.9	3.8	4.6	1.9	3.1	3.9		2.9	3.8			2.8				2.4	105
110				2.3	3.3	4		1.9	3.1	3.8		2.2	3.1		2	2.9								110
115					2.6	3.2			2.3	3			2.3			2.1								115
120						2.5				2.3														120

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# Lifting capacities Forces de levage

TVNZK



ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft			ft	
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
17	8.3																							17		
18	8.3																							18		
19	8.3																							19		
20	8.3																							20		
22	8.2																							22		
24	8.2																							24		
26	8.1																							26		
28	8.1																							28		
30	8																							30		
32	8																							32		
34	8																							34		
36	7.9	7.7																						36		
38	7.8	7.7																						38		
40	7.8	7.7			8.4																			40		
45	7.5	7.5			8.3			7.3			7.6													45		
50	7.1	7.2			8.3			7.3			7.6			6.7										50		
55	6.7	6.8	6.9		8.2			7.3			7.6			6.7			6.8			6			5.8	55		
60	6.3	6.4	6.6		8.2			7.3			7.5			6.7			6.8			6			5.8	60		
65	6	6.1	6.2		8.1	7.7		7.3			7.5			6.7			6.8			6			5.8	65		
70	5.7	5.8	5.9		8	7.6		7.3	7.2		7.5	7.3		6.7			6.8			6			5.8	70		
75	5.4	5.5	5.6		7.9	7.5		7.3	7.1		7.4	7.2		6.7	6.6		6.5	6.7		6			5.7	75		
80	5.1	5.2	5.4		7.6	7.4		7.2	7		6.9	7.2		6.5	6.6		5.6	6.7		5.2	5.9		5	5.7	80	
85	4.7	5	5.1		7	7.2	6.8	6.5	6.8		5.9	7		5.5	6.5		4.6	6.6		4.3	5.8		4	5.7	85	
90	4.3	4.8	4.9		6	7	6.6	5.7	6.6	6.3	5	6.8	6.5	4.7	6.4	6.1	3.7	5.8		3.4	5.5		3.2	5.3	90	
95	4	4.5	4.7		5.1	6.7	6.4	4.8	6.4	6.1	4.1	6	6.4	3.8	5.7	6	2.7	4.9	6.2	2.4	4.6	5.5	2.2	4.4	95	
100	3.6	4.1	4.5		4.3	6	6.3	4	5.8	6	3.2	5.2	6.2	3	4.8	5.9	1.8	4.1	5.7		3.8	5.4		3.6	5.2	100
105	3.4	3.7	4		3.6	5.2	6.1	3.2	4.9	5.9	2.4	4.4	5.8	2.2	4.1	5.5		3.3	4.8		3.1	4.6		2.9	4.4	105
110	3.1	3.4	3.5		2.8	4.4	5.7	2.4	4.2	5.5		3.6	5		3.4	4.7		2.4	4.1		2.2	3.8			3.6	110
115	2.8	3			2.1	3.7	5		3.5	4.7		2.9	4.2		2.6	4			3.3			3.1			2.9	115
120						3.1	4.2		2.8	4		2.1	3.5		1.9	3.3			2.5			2.4			2.2	120
125						2.4	3.5		2.1	3.3			2.8			2.6										125
130						2.9			2.7				2			1.8										130
135						2.3			2																	135

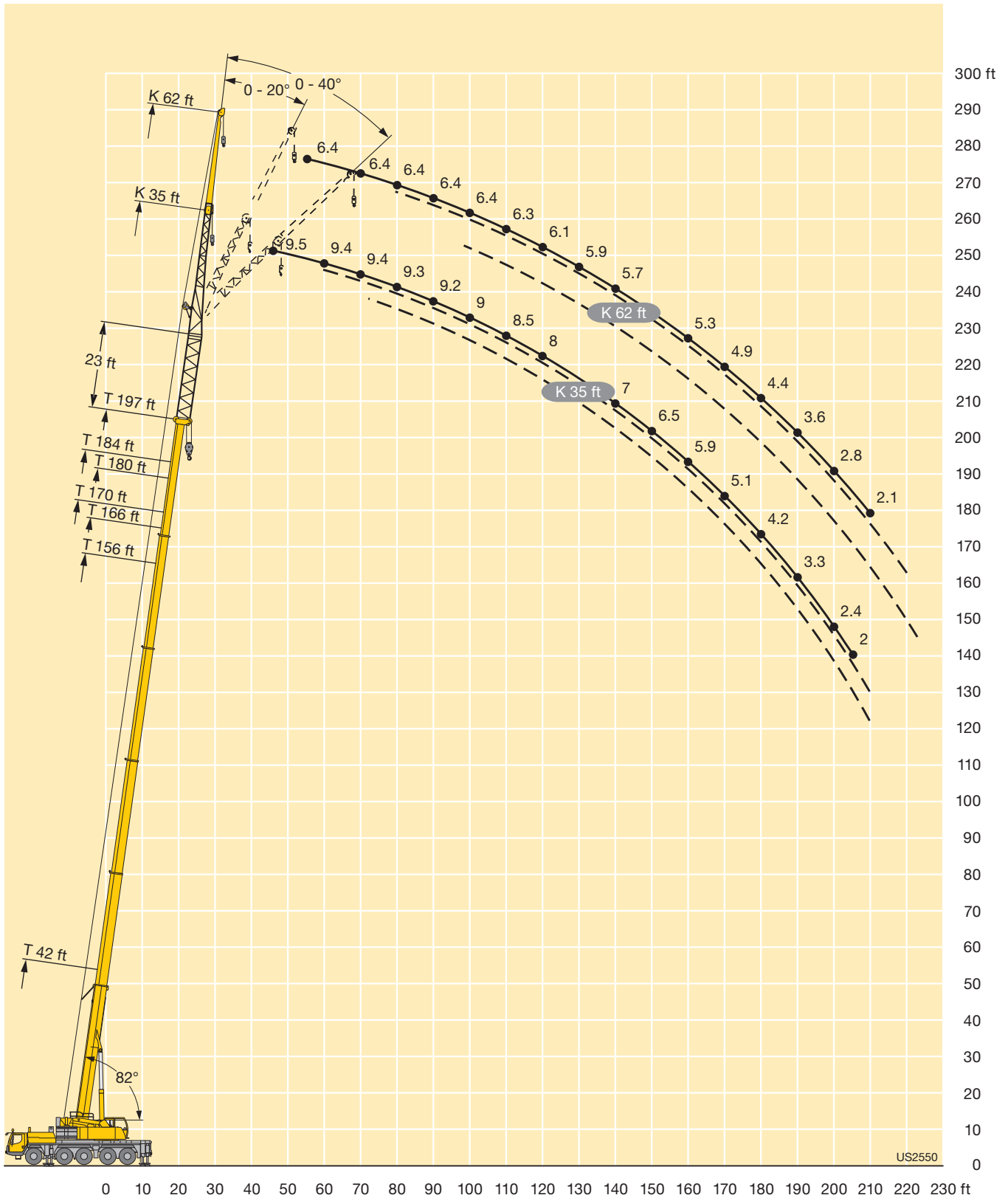
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# Lifting heights Hauteurs de levage

TVNZK







# Lifting capacities Forces de levage

**TVNZK**



ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
18	6.6																					18
19	6.6																					19
20	6.6																					20
22	6.6																					22
24	6.6																					24
26	6.6																					26
28	6.6																					28
30	6.6																					30
32	6.5																					32
34	6.5																					34
36	6.5																					36
38	6.4																					38
40	6.4	6.6																				40
45	6.3	6.6																				45
50	6.1	6.4		6.6			5.8			5.9												50
55	5.8	6.1	5.9	6.6			5.8			5.9			5.2		5.2							55
60	5.5	5.7	5.9	6.6			5.8			5.9			5.1		5.2			4.5				60
65	5.2	5.4	5.7	6.5			5.7			5.8			5.1		5.1			4.4				65
70	4.9	5.1	5.3	6.5			5.7			5.8			5.1		5.1			4.4				70
75	4.6	4.8	5	6.4	6.5		5.7			5.8			5		5.1			4.4				75
80	4.4	4.5	4.7	6.3	6.3		5.7	5.8		5.7	5.9		5	5.2		5	5.2					80
85	4.1	4.3	4.5	6.2	6.2		5.6	5.7		5.7	5.8		5	5.2		5	5.2		4.4	4.5		85
90	3.9	4	4.2	6.2	6	5.8	5.5	5.6		5.7	5.7		5	5.1		5	5.2		4.3	4.5		90
95	3.7	3.8	4	6	5.8	5.6	5.5	5.4	5.3	5.6	5.6	5.5	5	5.1		5	5.2		4.3	4.5		95
100	3.5	3.6	3.8	5.9	5.6	5.4	5.4	5.2	5.1	5.6	5.4	5.3	4.9	5	4.9	5	5.1	5.1	4.3	4.5		100
105	3.3	3.4	3.6	5.7	5.4	5.3	5.3	5.1	5	5.5	5.3	5.2	4.9	4.9	4.8	5	5	5	4.3	4.5	4.4	105
110	3.1	3.3	3.4	5.5	5.2	5.1	5.2	4.9	4.8	5.4	5.1	5	4.9	4.8	4.7	4.9	4.9	4.9	4.3	4.5	4.4	110
115	2.8	3.1	3.2	5.3	5.1	5	5	4.8	4.7	5.2	5	4.9	4.8	4.7	4.6	4.9	4.8	4.7	4.3	4.4	4.4	115
120	2.5	2.9	3.1	5.2	4.9	4.8	4.8	4.6	4.6	5.1	4.9	4.7	4.7	4.5	4.5	4.8	4.7	4.6	4.3	4.3	4.3	120
125	2.5	2.7	2.8	5	4.8	4.7	4.7	4.5	4.4	4.9	4.7	4.6	4.6	4.4	4.4	4.7	4.6	4.5	4.2	4.2	4.2	125
130	2.5	2.6	2.4	4.8	4.6	4.5	4.5	4.4	4.3	4.8	4.6	4.5	4.4	4.3	4.2	4.6	4.4	4.4	4.1	4.1	4.1	130
135	2.5	2.6	2.2	4.7	4.5	4.4	4.4	4.2	4.2	4.6	4.4	4.4	4.3	4.2	4.1	4.5	4.3	4.3	4.1	4	4	135
140	2.5	2.6		4.5	4.3	4.3	4.3	4.1	4.1	4.5	4.3	4.2	4.2	4	4	4.4	4.2	4.2	4	3.9	3.9	140
145				4.4	4.2	4.1	4.2	4	4	4.4	4.2	4.1	4.1	3.9	3.9	4.3	4.1	4.1	3.9	3.8	3.8	145
150				4.3	4.1	4	4	3.9	3.9	4.2	4.1	4	4	3.8	3.8	4.2	4	4	3.9	3.7	3.7	150
155				4.1	4	3.9	3.9	3.8	3.7	4.1	4	3.9	3.9	3.7	3.7	4	3.9	3.9	3.8	3.6	3.7	155
160				4	3.8	3.8	3.8	3.7	3.6	4	3.9	3.8	3.8	3.6	3.6	3.9	3.8	3.8	3.7	3.6	3.6	160
165				3.9	3.7	3.7	3.7	3.6	3.6	3.9	3.8	3.7	3.7	3.5	3.5	3.8	3.7	3.7	3.6	3.5	3.5	165
170				3.7	3.6	3.6	3.6	3.5	3.5	3.8	3.7	3.6	3.6	3.5	3.5	3.7	3.6	3.6	3.5	3.4	3.4	170
175				3.6	3.5	3.5	3.5	3.4	3.4	3.7	3.5	3.5	3.5	3.4	3.4	3.6	3.5	3.5	3.4	3.3	3.3	175
180				3.5	3.4	3.4	3.3	3.3	3.3	3.6	3.4	3.5	3.4	3.3	3.3	3.6	3.4	3.4	3.3	3.2	3.3	180
185				3.4	3.3	3.4	3.2	3.2	3.2	3.5	3.4	3.4	3.3	3.2	3.2	3.5	3.3	3.4	3.2	3.2	3.2	185
190				3.3	3.3	3.3	3.1	3.1	3.1	3.4	3.3	3.3	3.2	3.1	3.2	3.3	3.3	3.3	3	3.1	3.1	190
195				3.2	3.2	3.2	2.9	3	3.1	3.3	3.2	3.2	3.1	3.1	3.1	3	3.2	3.2	2.8	3	3.1	195
200				3.1	3.1	3.2	2.7	2.9	3	3.2	3.1	3.2	2.9	3	3	2.6	3.1	3.2	2.5	2.9	3	200
205				2.9	3	3.1	2.6	2.7	2.9	3.1	3	3.1	2.8	2.9	2.9	2.2	2.9	3.1	2.1	2.7	2.9	205
210				2.7	2.9	3	2.4	2.6	2.8	2.9	3	3.1	2.6	2.8	2.8	1.9	2.6	3		2.4	2.8	210
215				2.6	2.7	2.8	2.2	2.4	2.6	2.6	2.9	3	2.4	2.6	2.8		2.2	2.6		2.1	2.5	215
220				2.4	2.6	2.6	2	2.2	2.4	2.2	2.7	2.9	2.1	2.5	2.6		1.8	2.2			2.1	220
225				2.3	2.4		1.8	2	2.1	1.9	2.4	2.6		2.3	2.4		1.8					225
230				2.1	2.3			1.9	1.9													230
235				2	2.1										1.8							235
240					1.9																	240

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# Lifting capacities Forces de levage

**TVNZK**



ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			197 ft + 46 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	8.9																							14	
15	8.9																							15	
16	8.9																							16	
17	8.9																							17	
18	8.9																							18	
19	8.9																							19	
20	8.9																							20	
22	8.9																							22	
24	8.8	8.8																						24	
26	8.7	8.8																						26	
28	8.6	8.8																						28	
30	8.6	8.8																						30	
32	8.5	8.7																						32	
34	8.3	8.5	8.2																					34	
36	8.1	8.3	8.2																					36	
38	7.9	8.1	8.2																					38	
40	7.7	7.9	8.1	8.9																				40	
45	7.2	7.4	7.5	8.9			7.8			8														45	
50	6.8	6.9	7	8.9			7.8			7.9			6.9			6.9								50	
55	6.3	6.4	6.6	8.8	8.8		7.7			7.9			6.9			6.9			6			5.8		55	
60	5.9	6	6.2	8.7	8.6		7.7	7.8		7.9	7.9		6.9			6.9			6			5.8		60	
65	5.6	5.7	5.8	8.6	8.4	8.1	7.6	7.7		7.8	7.9		6.8	6.9		6.9	6.9		6	6		5.8		65	
70	5.3	5.4	5.5	8.4	8.1	7.8	7.6	7.5	7.3	7.7	7.7	7.6	6.8	6.9		6.8	6.9		6	6		5.8	5.8	70	
75	5	5	5.1	8.1	7.8	7.6	7.4	7.2	7.1	7.3	7.6	7.4	6.7	6.9	6.8	6	6.9	6.9	5.5	6		5.3	5.8	75	
80	4.6	4.8	4.9	7.3	7.6	7.3	7	7	6.9	6.2	7.3	7.1	5.8	6.7	6.6	4.9	6.2	6.8	4.5	5.8	6	4.2	5.5	5.8	80
85	4.2	4.5	4.6	6.3	7.2	7.1	5.9	6.7	6.7	5.2	6.4	6.9	4.8	6	6.4	3.9	5.2	6.3	3.5	4.8	5.7	3.3	4.6	5.6	85
90	3.8	4.1	4.3	5.3	6.4	6.9	4.9	6.1	6.4	4.2	5.4	6.4	3.9	5	5.9	2.7	4.2	5.2		3.9	4.9		3.7	4.7	90
95	3.5	3.7	3.9	4.4	5.5	6.2	4	5.1	6	3.3	4.5	5.4	3	4.2	5		3.3	4.3		3	4		2.8	3.8	95
100	3.1	3.3	3.4	3.5	4.5	5.4	3.2	4.3	5.1	2.3	3.6	4.5	1.9	3.4	4.2		2.2	3.4			3.1		2.9		100
105	2.8	3	3	2.7	3.7	4.5	2.3	3.4	4.2		2.8	3.6		2.4	3.4			2.4					2		105
110	2.6	2.7	3	1.8	3	3.7		2.7	3.4		1.8	2.8			2.6										110
115	2.4				2.2	2.9		1.8	2.7			2													115
120						2.2			1.9																120

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# Lifting capacities Forces de levage

TVNZK

42 - 194 ft  
  
T

46 ft  
  
V

62 ft  
  
NZK

360°

14600 lbs

85%

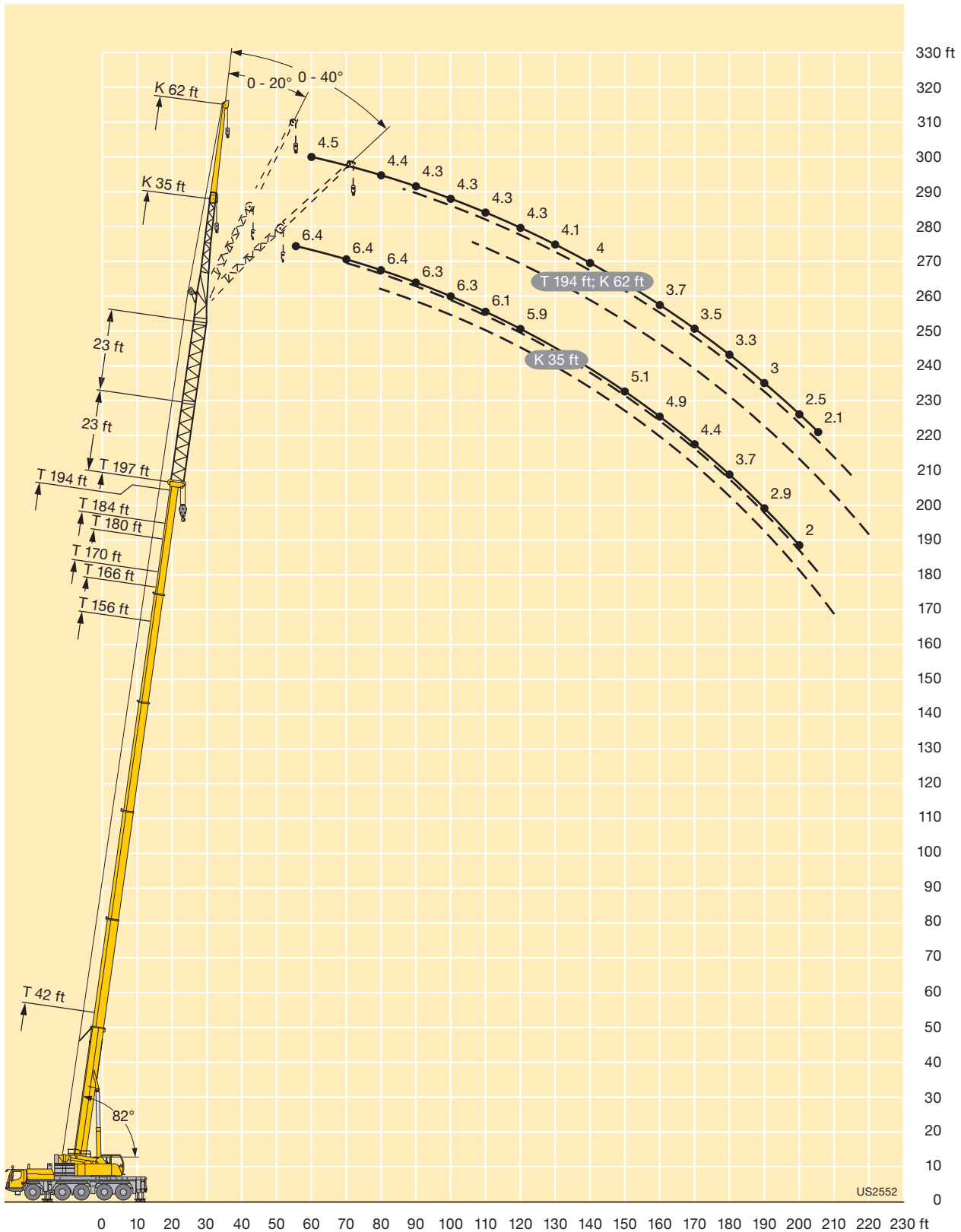
	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft				194 ft + 46 ft					
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft									
	ft			ft			ft			ft			ft			ft			ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
18	6																							18	
19	6																							19	
20	6																							20	
22	6																							22	
24	6																							24	
26	6																							26	
28	6																							28	
30	6																							30	
32	5.9																							32	
34	5.9																							34	
36	5.8																							36	
38	5.8																							38	
40	5.8	6																						40	
45	5.6	6																						45	
50	5.6	5.8		6			5.3			5.3														50	
55	5.3	5.5	5.3	6			5.3			5.3			4.6			4.7								55	
60	5	5.2	5.3	5.9			5.2			5.3			4.7			4.7				3.9				60	
65	4.7	4.9	5.1	5.9			5.2			5.3			4.6			4.7				4				65	
70	4.4	4.6	4.8	5.9			5.2			5.3			4.6			4.6				4				70	
75	4.2	4.4	4.6	5.8	5.9		5.2			5.3			4.6			4.6				4				75	
80	4	4.1	4.3	5.8	5.8		5.1	5.3		5.2	5.3		4.6	4.7		4.6	4.7			4				80	
85	3.7	3.9	4.1	5.6	5.6		5.1	5.2		5.1	5.3		4.4	4.7		3.9	4.7			3.5	4.1			85	
90	3.5	3.7	3.8	5.2	5.4	5.3	4.8	5.1		4.3	5.2		3.9	4.7		3.1	4.7				4.1			90	
95	3.4	3.5	3.6	4.6	5.3	5.1	4.1	4.9	4.8	3.6	5.1	5	3.1	4.6			4.3				3.9			95	
100	3.2	3.3	3.4	3.8	5.1	5	3.4	4.8	4.7	2.7	4.6	4.8	2.3	4.2	4.5		3.5	4.6			3.2	4.6		100	
105	3	3.1	3.3	3	4.6	4.8	2.7	4.4	4.5	1.8	3.9	4.7		3.5	4.4		2.8	4.3			2.4	4		105	
110	2.8	3	3.1	2.3	4	4.6	1.8	3.7	4.4		3.2	4.4		2.8	4.2		1.9	3.6				3.3		110	
115	2.6	2.8	3		3.4	4.5		3	4.2		2.4	3.8		2	3.5			2.9				2.6		115	
120	2.3	2.6	2.8		2.6	3.9		2.3	3.6			3.1			2.9			2.2						120	
125	2.3	2.4	2.5		1.9	3.3			3			2.5			2.2									125	
130	2.3	2.3	2.1			2.6			2.3															130	
135	2.3	2.3	1.9			1.9																		135	
140	2.3	2.3																						140	

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# Lifting heights Hauteurs de levage

TVNZK





# Lifting capacities Forces de levage

TK

42 - 197 ft  
 9.5 ft  
 T  
 K  
 360°  
 92600 lbs  
 85%

ft	9.5 ft													ft	
	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft		197 ft
12	76.2	76.2	76.2												12
13	76.2	76.2	76.2												13
14	76.2	76.2	76.2												14
15	76.2	76.2	76.2	76.2											15
16	76.2	76.2	76.2	76.2	76.2										16
17	76.2	76.2	76.2	76.2	76.2	76.2									17
18	76.2	76.2	76.2	76.2	76.2	76.2									18
19	76.2	76.2	76.2	76.2	76.2	76.2									19
20	76.2	76.2	76.2	76.2	76.2	76.2	76.2								20
22	76.2	76.2	76.2	76.2	76.2	76.2	76.2								22
24	76.2	76.2	76.2	76.2	76.2	76.2	76.2	67.4							24
26	76.2	76.2	76.2	76.2	76.2	76.2	76.2	66.5							26
28	76.2	76.2	76.2	76.2	76.2	76.2	76.2	65.5	52.2						28
30	76.2	76.2	76.2	76.2	76.2	75.8	64.4	51.6							30
32	76.2	76.2	76.2	76.2	76.2	73.2	63.2	50.9	38.7						32
34	75.9	76.2	76.2	76.2	76.2	70.5	61.8	50.2	38.7						34
36	73.9	76.2	76.2	76.2	76.2	67.8	60.2	49.5	38.7	30	34				36
38	69.8	76.2	76.2	76.2	76.2	65.2	58.5	48.7	38.7	29.6	33.7	26			38
40	65.4	76.2	76.2	75.3	73.6	63.2	56.6	47.6	38.7	29.1	33.5	26	26.7		40
45		69.2	69.4	68.8	66.3	59.7	51.9	44.6	37.6	27.6	32.4	25.8	26.6	19.5	45
50		60.4	60.6	60	58.2	56.5	48.1	41.3	35.7	26.1	30.9	25.1	26	19.5	50
55		52.5	53.6	53	51.5	51.1	44.5	38.5	33.5	24.7	29.2	24	25.1	19.5	55
60			47.6	47	48	45.6	41.2	35.8	31.5	23.3	27.7	22.9	24	19.5	60
65			42.5	43.2	43.1	41	38.2	33.3	29.5	22	26.2	21.8	22.9	19.1	65
70			37.7	39.5	38.7	37	34.6	31.2	27.6	20.8	24.9	20.7	21.7	18.4	70
75				35.7	35	33.6	31.9	29.2	25.9	19.6	23.5	19.7	20.7	17.8	75
80				32.5	31.8	30.6	29.4	27.3	24.4	18.4	22.3	18.6	19.7	17.1	80
85				27.4	29	27.8	27.8	25.1	22.9	17.3	21	17.7	18.8	16.4	85
90					26.5	25.3	26.2	22.9	21.6	16.2	19.8	16.7	17.9	15.7	90
95					24.3	23.9	24	21.6	20.4	15.3	18.7	15.8	17.1	15	95
100					20.1	22.9	22.1	20.3	19	14.4	17.7	15	16.3	14.2	100
105						21.4	20.3	18.8	17.4	13.6	16.7	14.2	15.5	13.5	105
110						19.8	18.6	17.8	16.2	12.8	15.8	13.5	14.7	12.8	110
115						13	17.1	17.1	15.4	12.1	14.8	12.8	14	12.2	115
120							15.8	16.1	14.7	11.4	13.7	12.2	13.3	11.5	120
125							14.9	14.9	13.9	10.8	12.6	11.6	12.6	10.9	125
130								13.7	13.3	10.2	12.1	11	11.8	10.3	130
135								12.7	12.6	9.7	11.5	10.5	11	9.8	135
140								11.5	11.7	9.2	11	10	10.2	9.3	140
145									10.8	8.8	10.3	9.6	9.3	8.9	145
150									10	8.4	9.5	9.2	8.5	8.4	150
155									9	8.1	8.7	8.7	7.7	7.9	155
160										7.8	8	8.1	7	7.1	160
165										7.5	7.3	7.4	6.3	6.4	165
170											6.4	6.7	5.7	5.8	170
175												6.2	5.1	5.2	175
180												5.3	4.5	4.6	180
185													3.8	4	185
190														3.5	190
195														3.1	195

t\_205\_51701\_00\_000



# Lifting capacities Forces de levage

TK

42 - 197 ft  
  
T

9.5 ft  
  
K

360°

14600 lbs

85%

	9.5 ft														
	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft		197 ft
12	76.2	76.2	76.2												12
13	76.2	76.2	76.2												13
14	76.2	76.2	76.2												14
15	76.2	76.2	76.2	76.2											15
16	76.2	76.2	76.2	76.2	76.2										16
17	76.2	76.2	76.2	76.2	76.2	76.2									17
18	76.2	76.2	76.2	76.2	76.2	76.2									18
19	76.2	76.2	76.2	76.2	76.2	76.2									19
20	76.2	76.2	76.2	76.2	76.2	73.7									20
22	76.2	76.2	76.2	76.2	75.7	71.4									22
24	76.2	76.2	76.2	75	69.7	66.2	60.7								24
26	76.1	75.6	72.3	66.7	64.4	59.7	55.3								26
28	71.6	68.3	64.3	62.1	58	54.1	50	45.8							28
30	62.3	61.1	58.3	56.5	52.6	50	46.7	43.6							30
32	55	55.2	54.1	51.6	48.3	45.6	43.4	39.8	36.3						32
34	48.8	49.8	49.7	47.1	44.3	43.2	40	37.5	34.4						34
36	43.6	45.5	45.6	43.2	41.5	39.9	37.6	35.3	33	27.3	30.3				36
38	39.2	41.2	41.9	39.9	39.3	36.9	34.7	33	30.5	26.9	28.2	23.6			38
40	35.4	37.4	38.4	36.9	36.8	34.3	33.2	30.6	29.3	26.5	27.3	23.6	24.1		40
45		30.1	31	32.2	30.8	29.7	28.4	27.1	25.3	24.5	23.5	22.8	21.3	18.3	45
50		24.7	25.7	26.7	26.3	25.7	24.2	23.1	21.5	21	19.9	19.2	17.8	17.1	50
55		20.5	21.6	22.5	22.6	22.1	20.8	19.9	18.4	17.9	16.9	16.4	15	14.4	55
60			18.3	19.2	19.3	19.2	18	17.2	15.7	15.4	14.4	13.9	12.6	12.2	60
65			15.6	16.6	16.6	16.7	15.6	14.9	13.5	13.3	12.3	12	10.7	10.2	65
70			13.4	14.3	14.4	14.5	13.6	12.9	11.6	11.4	10.5	10.2	8.9	8.7	70
75				12.4	12.5	12.5	11.9	11.2	10	9.8	8.9	8.6	7.5	7.2	75
80				10.7	10.8	10.9	10.3	9.8	8.6	8.4	7.5	7.3	6.2	6	80
85				9.3	9.3	9.4	8.9	8.5	7.3	7.1	6.3	6.2	5	4.9	85
90					8	8.1	7.7	7.3	6.2	6.1	5.2	5.2	3.9	3.9	90
95					7	7	6.5	6.3	5.2	5.1	4.3	4.2	2.9	3	95
100					6	6.1	5.6	5.4	4.3	4.2	3.4	3.3			100
105						5.2	4.7	4.5	3.5	3.4	2.5	2.4			105
110						4.4	3.9	3.7	2.7	2.6					110
115						3.8	3.2	3							115
120							2.6	2.2							120

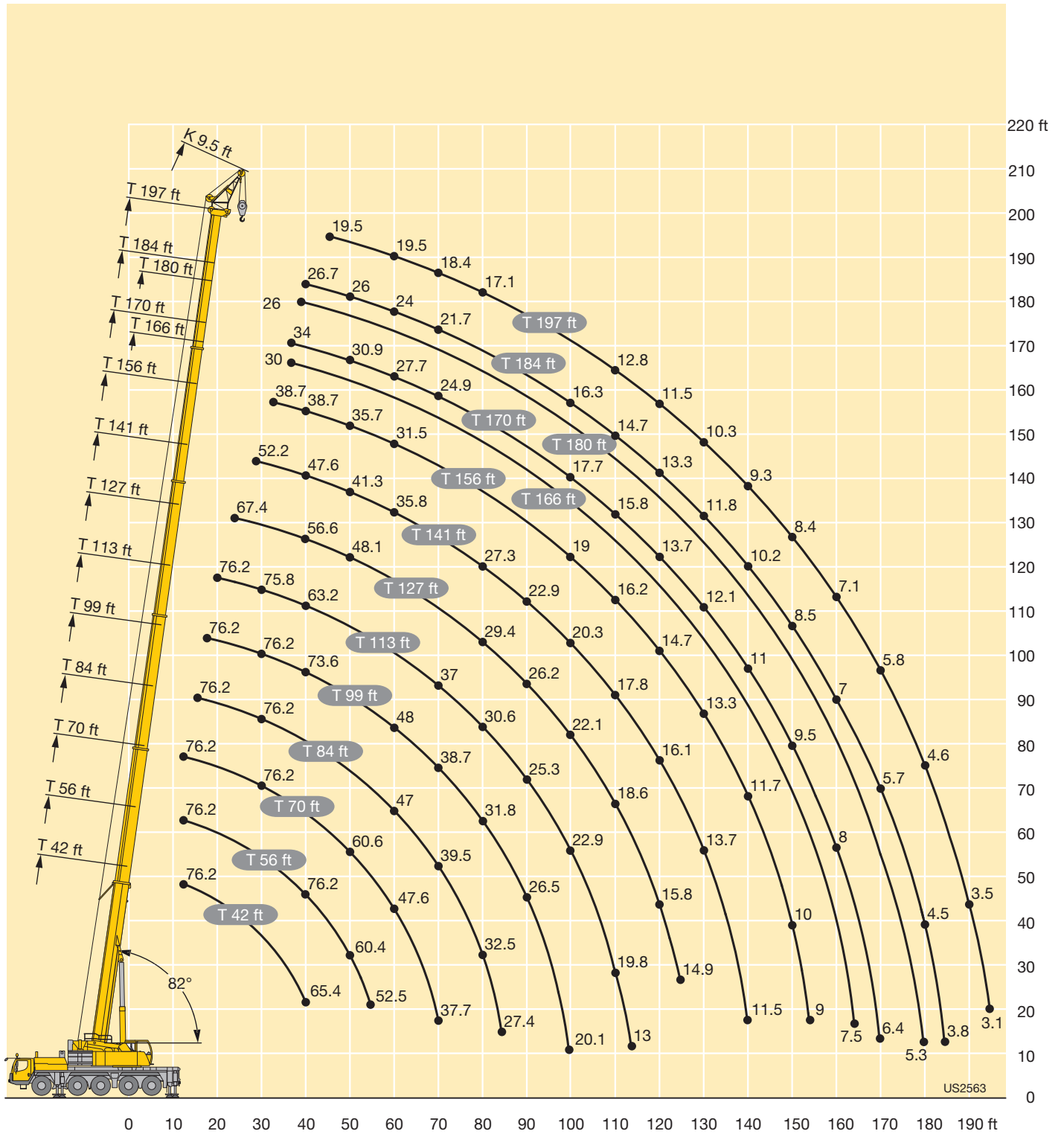
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# Lifting heights Hauteurs de levage

TK



# Equipment 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>	6-cylinder Diesel, make Liebherr, watercooled, output 370 kW (503 h.p.), max. torque 1737 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 127 gallons.
<b>Transmission</b>	ZF 12-speed gear box with automatic control system AS-TRONIC. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
<b>Axles</b>	Low maintenance carrier axles, all 5 axles steered. Axle 2, 4 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 4 with longitudinal differential lock.
<b>Cardan shaft</b>	All cardan shafts with 70° diagonal toothing and maintenance free.
<b>Suspension</b>	All axles are mounted on hydropneumatic suspension and are lockable hydraulically.
<b>Tyres</b>	10 tyres, size: 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. Parking brake: Spring brake actuator, acting on the wheels of the 2 <sup>nd</sup> to 5 <sup>th</sup> axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear.
<b>Driver's cab</b>	Spacious and comfortable cab mounted on rubber shock absorbers, safety glass windows.
<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 engine</b>	4-cylinder Diesel, make Liebherr, watercooled, output 129 kW (175 h.p.), max. torque 601 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 66 gallons.
<b>Crane drive</b>	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits.
<b>Control</b>	Electric „Load Sensing“ control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
<b>Hoist gear</b>	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
<b>Luffing gear</b>	1 differential ram with pilot-controlled brake valve.
<b>Slewing gear</b>	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as standard feature.
<b>Crane cab</b>	Entirely galvanized, powder coated, with safety glazing, comfortably equipped, cab tiltable backwards.
<b>Safety devices</b>	LICCON2 safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
<b>Telescopic boom</b>	1 base section and 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom length: 42 ft – 197 ft.
<b>Counterweight</b>	64600 lbs basic counterweight.
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

## Additional equipment

<b>Swing-away jib</b>	35 ft – 62 ft long, mountable to the telescopic boom at 0°, 20° or 40°. Hydraulic ram for operating the swing-away jib from 0° – 40° (option).
<b>Erection jib</b>	9.5 ft
<b>Telescopic boom extension</b>	23 ft – 46 ft long lattice section, thus higher pinning point for swing-away jib.
<b>2<sup>nd</sup> hoist gear</b>	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
<b>Tyres</b>	10 tyres, size 525/80 R 25 (20.5 R 25).
<b>Drive 10 x 8</b>	Additional drive of the 1 <sup>st</sup> axle.
<b>Additional counterweight</b>	28000 lbs for a total counterweight of 92600 lbs.

Other items of equipment available on request.

## Equipment Equipment

### Châssis porteur

<b>Châssis</b>	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
<b>Calage</b>	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
<b>Moteur</b>	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 370 kW (503 ch), couple max. 1737 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 127 gallons.
<b>Boîte de vitesse</b>	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande AS-TRONIC. Ralentisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.
<b>Essieux</b>	Essieux nécessitant peu d'entretien, les 5 essieux sont directeurs. Les essieux 2, 4 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 4 avec différentiel longitudinal.
<b>Arbres articulés</b>	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
<b>Suspension</b>	Suspension hydropneumatique sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
<b>Pneumatiques</b>	10 pneus de taille: 445/95 R 25 (16.00 R 25).
<b>Direction</b>	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
<b>Freins</b>	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus: frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur hydrodynamique accouplé à la boîte de vitesses.
<b>Cabine du conducteur</b>	Cabine spacieuse, équipement «grand confort», suspendue sur silent blocs, vitrage de sécurité.
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune.

### Partie tournante

<b>Cadre</b>	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
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<b>Moteur</b>	Moteur diesel Liebherr, 4 cylindres, à refroidissement par eau, de 129 kW (175 ch), couple max. 601 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 66 gallons.
<b>Entraînement de la grue</b>	Diesel hydraulique avec 2 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés.
<b>Commande</b>	Direction électrique "Load Sensing", 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
<b>Mécanisme de levage</b>	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
<b>Mécanisme de relevage</b>	1 vérin différentiel avec clapet de frein commandé.
<b>Dispositif de rotation</b>	Moteur à cylindrée constante à pistons axiaux, réducteur planétaire, frein d'arrêt commandé par ressort. Commutation en série du mécanisme d'orientation: ouvert et en orientation freinée automatiquement.
<b>Cabine du grutier</b>	Entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, équipement confortable, cabine inclinable vers l'arrière.
<b>Dispositif de sécurité</b>	Contrôleur de charge, «LICCON2», système test, limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
<b>Flèche télescopique</b>	1 élément de base et 5 éléments télescopiques. Tous les éléments télescopiques indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 42 ft – 197 ft.
<b>Contrepoids</b>	Plaque de base 64600 lbs.
<b>Installation électrique</b>	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.


















### Équipement supplémentaire

<b>Fléchette pliante</b>	Longueur: 35 ft – 62 ft, montable sous un angle de 0°, 20° ou 40°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 40° (en option).
<b>Fléchette de montage</b>	9.5 ft
<b>Rallonge flèche télescopique</b>	Élément en treillis de 23 ft – 46 ft, de cette manière point d'articulation plus haute pour la flèche pliante.
<b>2ème mécanisme de levage</b>	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
<b>Pneumatiques</b>	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
<b>Entraînement 10 x 8</b>	Essieu 1 est entraîné additionnellement.
<b>Contrepoids additionnel</b>	28000 lbs pour un contrepoids total de 92600 lbs.






Autres équipements supplémentaires sur demande.

## Description of symbols Explication des symboles

### General symbols Symboles généraux

	Outriggers Calage		Driving speed – Crawl speed Vitesse de translation – Marche lente
	Axle Essieu		Gear Vitesse
	Radius Portée		Hookblock / Capacity Moufle à crochet / Capacité de charge
	Boom length Longueur de la flèche		Hoist gear Treuil de levage
	Boom position Position de la flèche		Crane carrier Châssis porteur
	Counterweight Contrepoids		Crane superstructure Partie tournante de la grue
	Tyres Pneumatiques		Standard Norme
	Slewing gear / Working area 360° Mécanisme d'orientation / Plage de travail 360°		Gradability Aptitude à gravir les pentes
	Driving speed Vitesse de translation		

### Crane specific symbols Symboles spécifiques à la grue

	Telescopic boom Flèche télescopique		Telescopic boom extension Rallonge flèche télescopique
	Swing away jib Fléchette pliante		Erection jib Fléchette de montage
	Hydraulic swing away jib Fléchette pliante hydraulique		



## Remarks referring to load charts

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 23 ft/s (7 m/s, 15.7 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 is part of the load and therefore it 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 apply if the folding jib is removed.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 182100 lbs / 242500 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.

## Remarques relatives aux tableaux des charges

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5.  
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 23 ft/s (7 m/s, 15.7 mph) minimum, une surface de prise au vent de 1 m<sup>2</sup> par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
7. Charges données sous réserve de modification.
8. Les charges supérieures à 182100 lbs / 242500 lbs seulement avec moufle additionnel/équipement supplémentaire.
9. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.