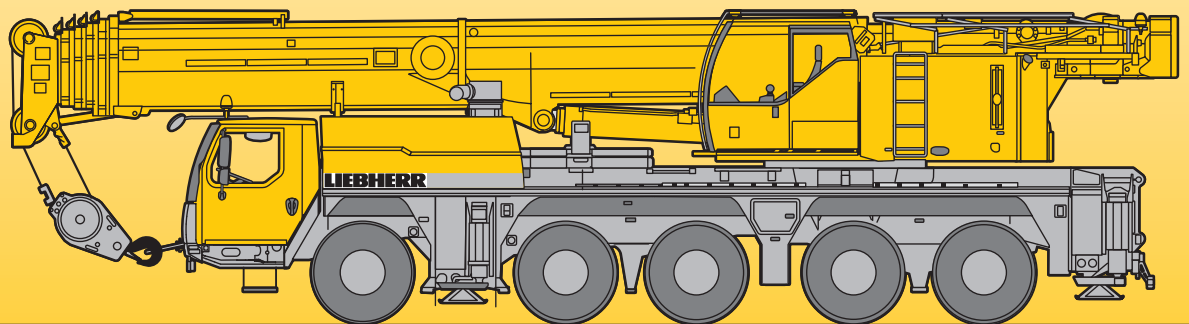


Mobile Crane Grue mobile

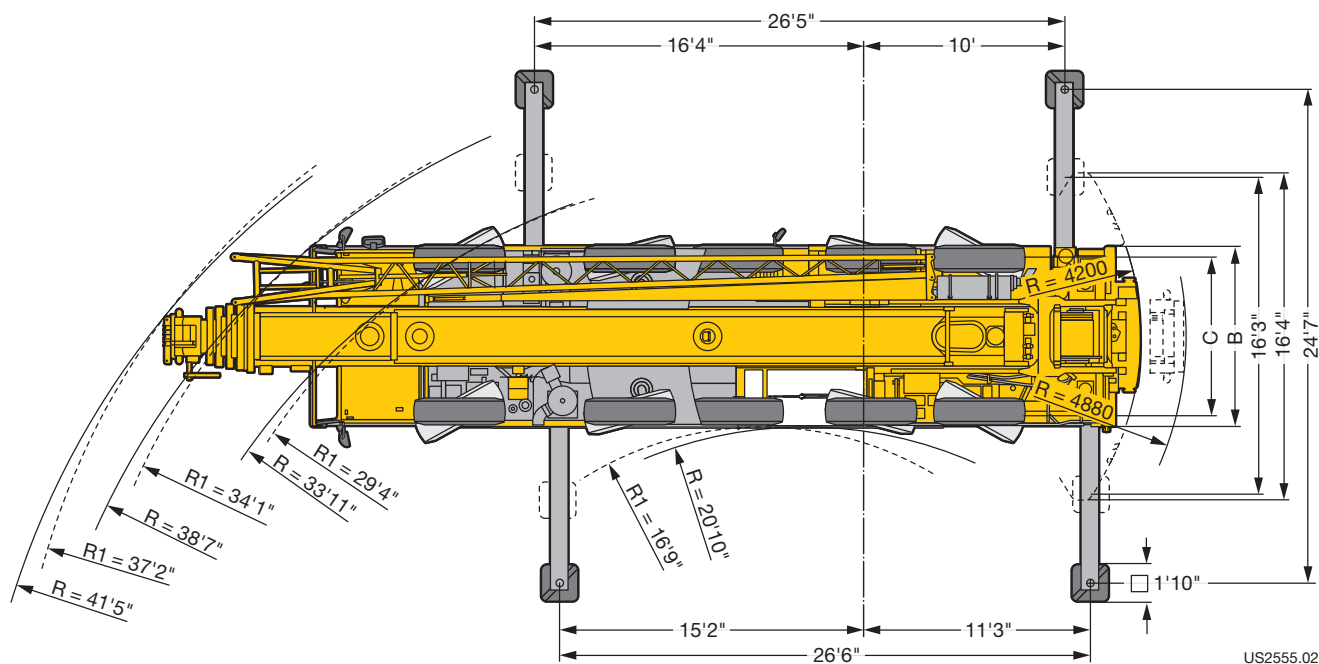
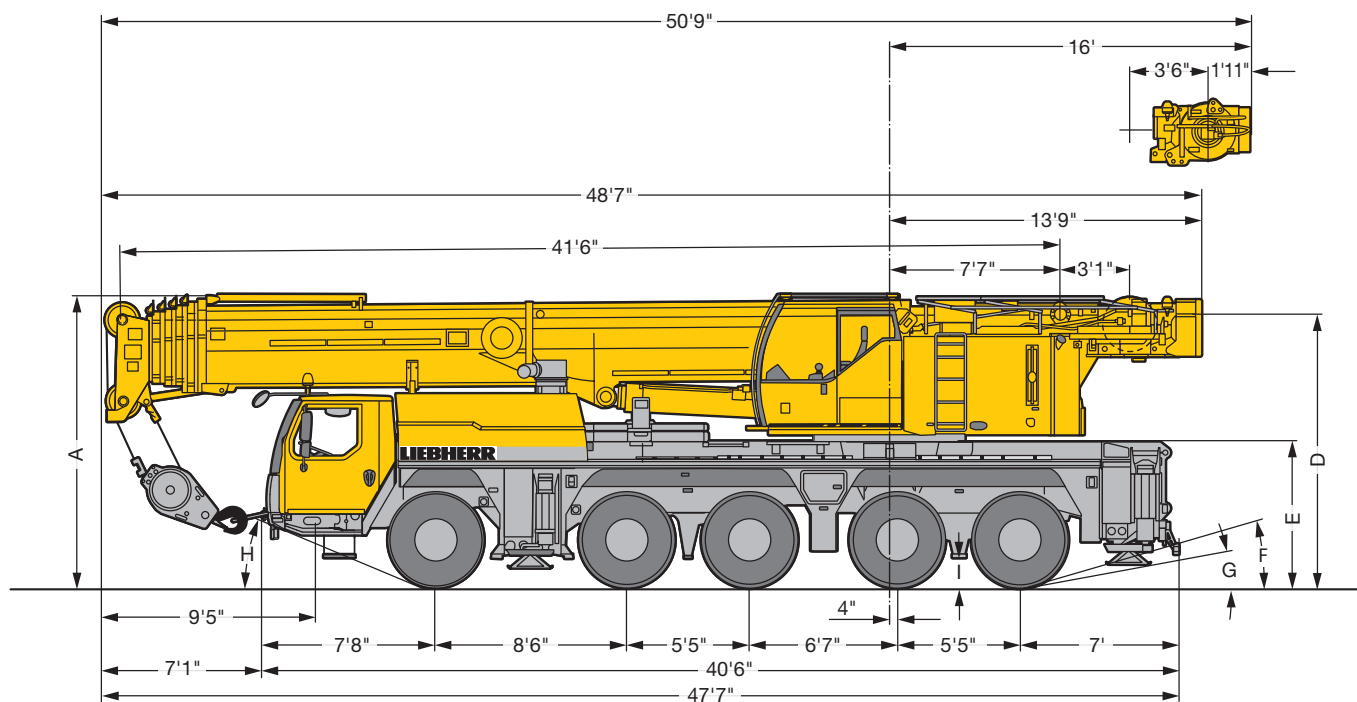
LTM 1130-5.1

Technical Data Caractéristiques techniques



LIEBHERR

Dimensions Encombrement



US2555.02

R₁ = All-wheel steering - Direction toutes roues

	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 ¹⁾

¹⁾ 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)	mph	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)		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

T

42 – 197 ft T																
360°																
92600 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	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	6	170
175														5.1	5.4	175
180															4.9	180
185															4.4	185

* over rear · en arrière

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Lifting capacities Forces de levage

T

42 – 197 ft   360°  64600 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	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

42 – 197 ft T 360° 49800 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	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	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

42 – 197 ft T 360° 28000 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	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	5.3	100	
105						9	8.3	7.9	6.9	6.7	5.9	5.8	4.6	4.4	105	
110							7.4	7	6	5.9	5.1	5	3.8	3.6	110	
115							6.5	6.1	5.3	5.1	4.3	4.3	3	2.9	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

42 – 197 ft T 360° 24700 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	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	6	4.7	4.5	100	
105						8.2	7.6	7.1	6.1	6	5.1	5.1	3.9	3.7	105	
110							6.6	6.3	5.3	5.2	4.4	4.3	3.1	2.9	110	
115							5.8	5.4	4.6	4.5	3.7	3.6	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 T 360° 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	3.4	100	
105						7.1	6.5	6	5.1	4.9	4.1	4.1	2.7	2.5	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

42 – 197 ft T 360° 14600 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	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

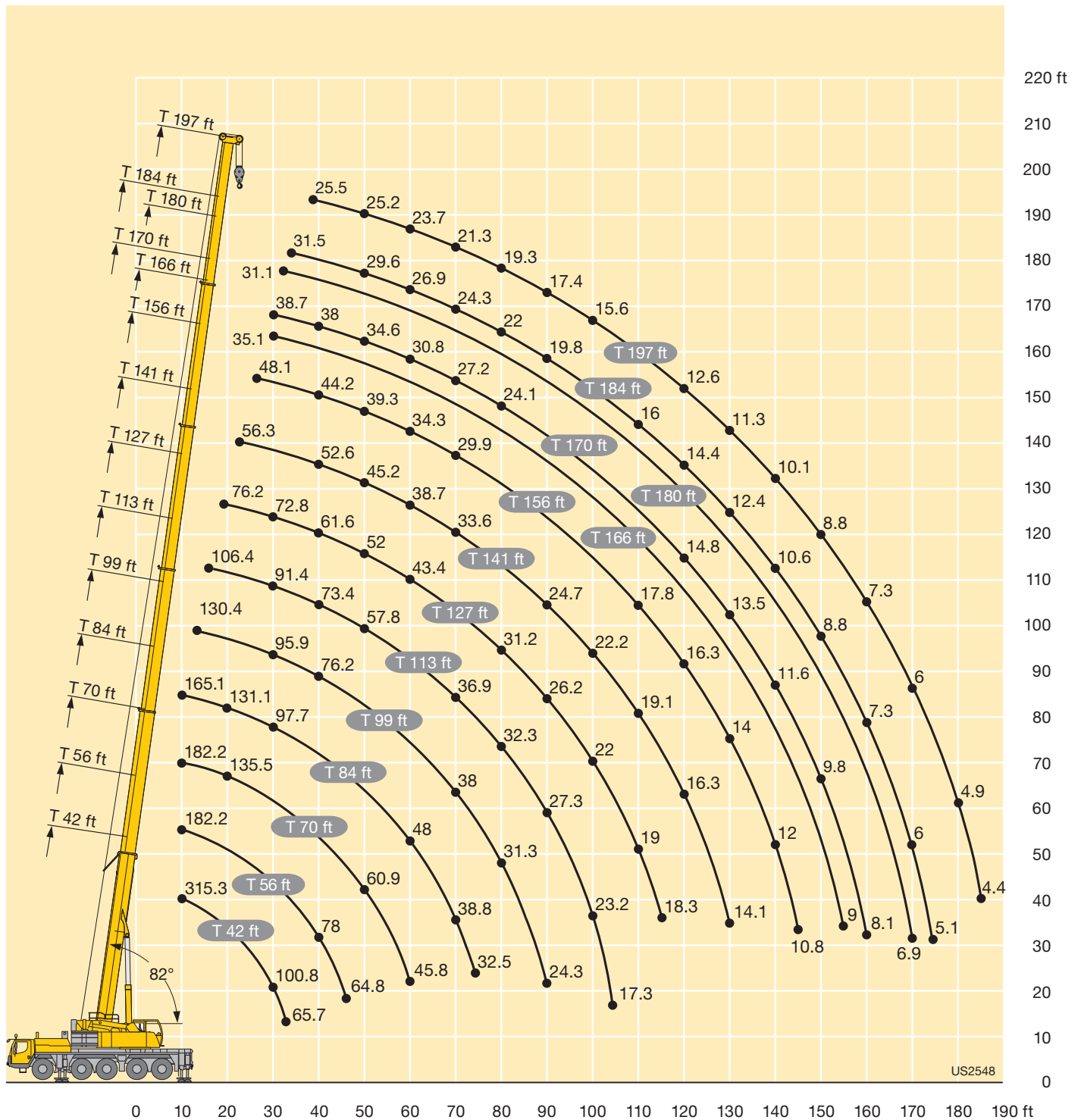
T

42 – 197 ft T 360° 0 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	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



Lifting capacities Forces de levage

TK

42 – 197 ft T 35 ft K 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			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

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Lifting capacities Forces de levage

TK

42 – 197 ft 35 ft 360° 92600 lbs 85%																
 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			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

42 – 197 ft 62 ft  62 ft     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	16.7																		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

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Lifting capacities Forces de levage

TK

42 – 197 ft 62 ft 360° 92600 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°	
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 capacities Forces de levage

TK

42 – 197 ft 35 ft  360° 14600 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	38.1																		14
15	37.5			38.7															15
16	36.8	34.2		38.7															16
17	36.1	34.1		38.7															17
18	35.5	33.9		38.7			38.6												18
19	34.8	33.1		38.7			38.5												19
20	34.2	32.4		38.7			38.4												20
22	32.9	31.3		38.7			38.2			33.8									22
24	31.7	30.2		38.7			37.9			33.7									24
26	30.3	29.1	23.5	38.7			37.5			33.6			28.9						26
28	29	28	23.1	38.6	30.4		37			33.4			28.8			19.5			28
30	27.7	27	22.5	38	29.6		36.4	29.4		33			28.8			24.1			30
32	26.3	26	21.9	37.2	28.9		35.8	28.8		32.6			28.6			24			32
34	24.9	25.1	21.3	36.4	28.2		35.1	28.2		32.1	27.3		28.3			23.9			34
36	23.6	24.3	20.8	35.7	27.6	22	34.1	27.6		31	26.9		28			23.9			36
38	22.2	23.4	20.3	34.6	27	21.7	32.2	27	21.6	29.9	26.4		26.9	25		23.7			38
40	21	22.3	19.8	32.8	26.4	21.3	30.1	26.5	21.3	27.7	25.9		26	24.7		23.3			40
45	18.6	19.4	18.2	27.5	25.1	20.6	25.2	25.3	20.7	23.3	24.8	20.4	22.5	23.3		21.2	22		45
50	16.7	17.5	16.7	23.4	23.9	19.9	21.3	23.4	20	21.6	21.9	19.9	21.1	21	19.5	19.1	20.3		50
55	15	16.4	15.9	20	21.9	19.2	18.1	20.2	19.4	19.6	18.9	19.3	18.4	18.7	19.2	17	17.7	18.3	55
60	13.6	15.5	15.4	17.2	19	18.7	15.4	17.3	18.7	17	17.9	17.6	15.8	17.5	17.2	14.7	16.5	16.9	60
65	12.5	14.9	6.4	14.9	16.5	17.7	13.2	14.9	16.4	14.8	16.3	15.8	13.7	15.3	15.7	12.6	14.3	15.3	65
70				13	14.3	15.5	11.3	12.8	14.1	12.9	14.3	15.2	11.9	13.3	14.8	10.8	12.4	13.7	70
75				11.2	12.5	13.5	9.6	11	12.2	11.3	12.5	13.8	10.3	11.6	13	9.3	10.7	11.9	75
80				9.7	10.8	11.6	8.2	9.5	10.5	9.9	11	12.2	9	10.2	11.4	8	9.3	10.4	80
85				8.3	9.3	10	6.9	8.1	9	8.6	9.6	10.7	7.7	8.8	10	6.8	8	9	85
90				7.1	7.9	8.5	5.8	6.9	7.7	7.5	8.4	9.4	6.7	7.7	8.7	5.7	6.8	7.8	90
95				6	6.8	7.2	4.9	5.8	6.5	6.5	7.4	8.3	5.7	6.6	7.6	4.8	5.8	6.6	95
100				5	5.7	6.1	4	4.8	5.4	5.6	6.4	7.2	4.8	5.7	6.6	3.9	4.9	5.6	100
105				4.2	4.8	5	3.1	3.9	4.4	4.8	5.5	6.2	4.1	4.8	5.7	3.2	4.1	4.7	105
110				3.4	3.9	4.1	2.2	3	3.4	4	4.7	5.3	3.4	4.1	4.8	2.3	3.3	3.9	110
115				2.8	3.1			2.1	2.5	3.4	4	4.5	2.7	3.4	4.1		2.5	3.1	115
120				2.2	2.4					2.7	3.3	3.7	1.9	2.7	3.3			2.4	120
125										2	2.6	3		2	2.6				125
130										1.9	2.3			1.9					130

t 205 0119 00 000 / 01149 00 000 / 01179 00 000

t_205_01119_00_000 / 01149_00_000 / 01179_00_000

42 – 197 ft 35 ft 360° 14600 lbs 85%																
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	16.8			18.5												32
34	16.8			18.5			14.8									34
36	16.8			18.5			14.8			15						36
38	16.8			18.4			14.8			15						38
40	16.8			18.4			14.8			15			12.6			40
45	16.8			18.4			14.8			15			12.6			45
50	16.7	16.3		17.1	18.3		14.8	14.6		15	14.8		12.6			50
55	16.4	15.9		15.6	16.8		14.7	14.6		13.9	14.8		12.4	12.4		55
60	14.2	15.3	14.8	13.3	15.2	15.6	12.9	14.3	13.9	11.7	13.7		11.1	12.2		60
65	12.3	13.9	14.2	11.3	13.1	14.6	11	12.8	13.8	9.8	11.7	13.3	9.3	11	11.8	65
70	10.5	12	13.4	9.6	11.2	12.6	9.4	11	12.4	8.2	9.9	11.4	7.7	9.4	10.8	70
75	9	10.5	11.6	8.2	9.7	10.9	7.9	9.4	10.7	6.7	8.3	9.7	6.4	7.9	9.2	75
80	7.7	9	10.1	6.9	8.2	9.4	6.7	8.1	9.2	5.5	7	8.2	5.1	6.6	7.8	80
85	6.5	7.7	8.7	5.7	7	8.1	5.5	6.8	7.9	4.4	5.7	6.9	4	5.4	6.6	85
90	5.5	6.6	7.5	4.7	5.9	6.9	4.5	5.7	6.7	3.3	4.7	5.7	2.9	4.3	5.4	90
95	4.6	5.6	6.5	3.8	4.9	5.8	3.6	4.7	5.6	2.1	3.7	4.6		3.4	4.4	95
100	3.7	4.7	5.5	2.8	4	4.8	2.7	3.8	4.7		2.7	3.7		2.3	3.4	100
105	3	3.9	4.6	1.9	3.1	3.9		3	3.8			2.8			2.5	105
110	2	3.1	3.7		2.2	3.1		2.1	3							110
115		2.3	3			2.2			2.1							115
120			2.2													120

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Lifting capacities Forces de levage

TK

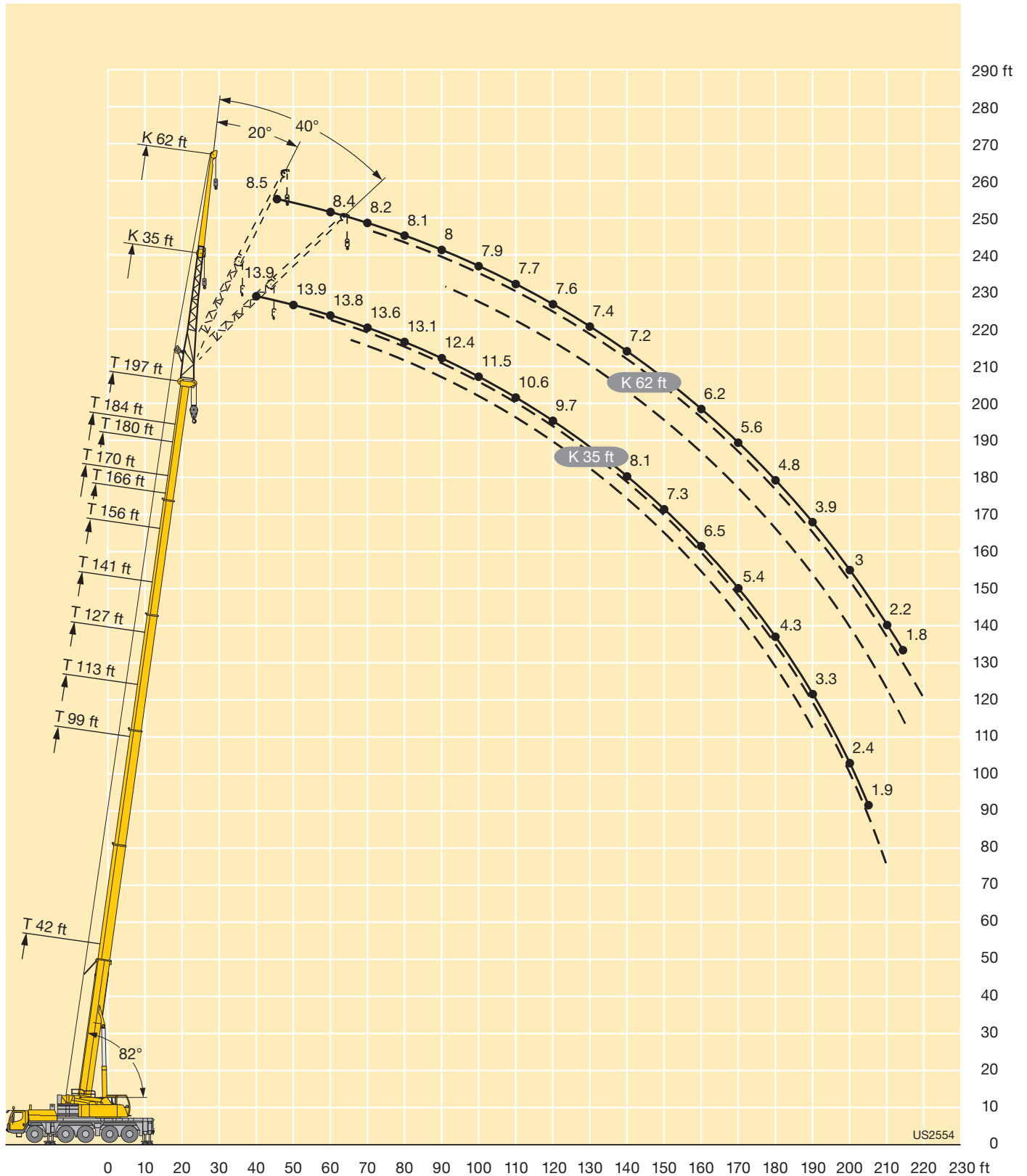
42 – 197 ft 62 ft 360° 14600 lbs 85%																			
ft	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	15.2																		17
18	15.1																		18
19	14.9																		19
20	14.8																		20
22	14.5																		22
24	14.2																		24
26	13.9																		26
28	13.6																		28
30	13.2	10.6																	30
32	12.8	10.6																	32
34	12.5	10.4																	34
36	12.1	10.1																	36
38	11.8	9.9																	38
40	11.5	9.7																	40
45	10.7	9.2																	45
50	10.1	8.8	7.9																50
55	9.4	8.5	7.7																55
60	9	8.2	7.5	10.1	8.6	7.6	10.1	8.6		10.1	8.7		9.9	8.7		9.9	8.8		60
65	8.5	8	7.4	9.8	8.4	7.5	9.8	8.4	7.5	9.6	8.4	7.4	9.4	8.3		9.5	8.4		65
70	7.9	7.7	7.3	9.5	8.2	7.4	9.5	8.3	7.4	9.3	8.2	7.4	9.2	8.2	7.3	9.1	8.3		70
75	7.3	7.5	7.2	9.1	8	7.3	9.3	8.1	7.3	9.1	8.1	7.3	9	8	7.3	8.7	8.1	7.3	75
80	6.8	7.4	7.1	8.9	7.9	7.2	9	7.9	7.2	8.9	7.9	7.2	8.9	7.9	7.2	8.2	8	7.2	80
85	6.3	7.3	7.1	8.7	7.8	7.2	8.8	7.8	7.2	8.7	7.8	7.2	8.3	7.8	7.2	7.3	7.9	7.2	85
90	5.9	7.2	7.1	8.4	7.6	7.1	8.6	7.7	7.1	8.2	7.7	7.1	7.4	7.7	7.1	6.2	7.6	7.1	90
95	5.6	7.2		8.1	7.5	7.1	8.2	7.6	7.1	7.3	7.6	7.1	6.4	7.5	7.1	5.3	7.1	7.1	95
100				7.7	7.4	7	7.4	7.5	7	6.4	7.4	7	5.6	7.2	7	4.5	6.2	7	100
105				6.9	7.3	7	6.5	7.4	7	5.6	7	7	4.8	6.3	7	3.7	5.3	6.7	105
110				6.1	7.1	7	5.7	6.8	7	4.9	6.2	6.9	4.1	5.5	6.6	3	4.6	5.9	110
115				5.3	6.3	6.9	5	6	6.8	4.3	5.4	6.4	3.5	4.8	5.8	2.3	3.8	5	115
120				4.7	5.5	6	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	4.6	5.2	3.1	4.1	4.9	2.3	3.5	4.4		2.5	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	1.9	3	3.5		2.3	3.1			2.3	135
140				2.6	3.1		2.3	2.9	3.3		2.4	2.9			2.5				140
145				2.2	2.5		1.8	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 62 ft 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°	
36	9.2			9.9												36
38	9.2			9.9												38
40	9.1			9.8			8.6			8.7						40
45	9			9.6			8.5			8.6			7.8			45
50	8.9			9.5			8.4			8.5			7.7			50
55	8.8			9.4			8.4			8.4			7.6			55
60	8.7	8.1		9.2	8.4		8.3			8.3			7.6			60
65	8.6	8		9.1	8.2		8.2	7.7		8.3	7.8		7.5			65
70	8.5	7.9		8.6	8.1		8.1	7.6		8	7.7		7.3	7.1		70
75	8.3	7.8		8.1	8		8	7.5		7.1	7.6		6.5	7.1		75
80	7.9	7.7	7.1	7.3	7.9	7.1	7	7.5		5.9	7.5		5.4	7.1		80
85	6.9	7.6	7.1	6.2	7.6	7.1	5.9	7.4	6.9	4.8	7.1	7	4.4	6.6		85
90	5.9	7.4	7	5.2	7.3	7	4.9	7	6.9	3.9	6.2	6.9	3.4	5.7	6.8	90
95	5	6.8	7	4.3	6.3	7	4.1	6	6.9	2.9	5.1	6.7	2.4	4.8	6.5	95
100	4.2	6	6.9	3.4	5.3	6.9	3.2	5.1	6.7	1.8	4.2	6		3.9	5.6	100
105	3.4	5.1	6.4	2.6	4.5	6	2.3	4.3	5.8		3.4	5		3.1	4.7	105
110	2.7	4.3	5.6		3.7	5.1		3.5	4.9		2.6	4.1		2.2	3.9	110
115	1.9	3.6	4.8		3	4.3		2.8	4.1			3.3			3.1	115
120		2.9	4.1		2.2	3.5		2	3.4			2.5			2.3	120
125		2.3	3.4			2.8			2.7							125
130			2.7			2.1			2							130
135			2.1													135

t_205_01219_00_000 / 01249_00_000 / 01279_00_000



Lifting capacities Forces de levage

TVK

		 42 – 197 ft T			 23 ft V			 35 ft K			 360°			 92600 lbs			 85%														
 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	14.6																					14									
15	14.6																					15									
16	14.5																					16									
17	14.5																					17									
18	14.5																					18									
19	14.5																					19									
20	14.4	14.6																				20									
22	14.3	14.5																				22									
24	14.1	14.4																				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	14.6																		34									
36	11.8	11.8	12	14.6																		36									
38	11.4	11.4	11.5	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	10.3	14.5				12.6			12.9			11			11.2			9.5		45									
50	9.2	9.6	9.7	14.4	14.2			12.5			12.9			11			11.2			9.5		50									
55	8.3	8.9	9.1	14.3	13.7			12.5	12.3		12.8	12.8		11	11		11.2			9.4		55									
60	7.6	8.3	8.6	14.1	13.1	12.3	12.4	12		12.7	12.6			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	11.6	11	12.6	12.2	11.6	11	10.9	10.6	11.2	11.2			9.4	9.5	65									
70	6.2	6.8	7.2	13.2	12.2	11.4	11.9	11.2	10.6	12.4	11.7	11.2	10.9	10.7	10.3	11.1	11.1	10.7	9.4	9.5	9.3	70									
75	5.7	6.1	6.4	12.7	11.7	11.1	11.6	10.8	10.3	12.1	11.4	10.8	10.8	10.4	10	11	10.8	10.4	9.4	9.5	9.3	75									
80	5.2	5.5	5.7	12.2	11.3	10.7	11.2	10.4	10	11.9	11	10.5	10.6	10.1	9.8	10.9	10.5	10.1	9.4	9.4	9.2	80									
85	4.7	4.9	5	11.8	10.9	10.3	10.8	10.1	9.7	11.5	10.7	10.2	10.3	9.8	9.5	10.7	10.2	9.9	9.3	9.3	9.1	85									
90	4.3	4.4		11.3	10.5	10	10.4	9.8	9.5	11.1	10.3	9.9	10.1	9.6	9.3	10.5	10	9.6	9.2	9.1	8.9	90									
95				10.9	10.1	9.7	10	9.5	9.2	10.8	10	9.6	9.8	9.4	9.1	10.3	9.7	9.4	9.1	8.9	8.7	95									
100				10.5	9.8	9.5	9.6	9.3	9	10.4	9.7	9.4	9.5	9.1	8.9	10	9.5	9.2	8.9	8.8	8.6	100									
105				10	9.6	9.3	9.3	9	8.8	10	9.5	9.2	9.1	8.9	8.7	9.7	9.3	9	8.7	8.6	8.4	105									
110				9.6	9.3	9	8.9	8.8	8.6	9.7	9.2	9	8.9	8.7	8.5	9.4	9	8.8	8.5	8.4	8.3	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	8.9	8.6	8.3	8.2	8.1	115									
120				8.8	8.7	8.6	8.3	8.3	8.2	8.9	8.8	8.6	8.3	8.2	8.1	8.8	8.7	8.5	8	8	7.9	120									
125				8.4	8.5	8.4	8	8	8	8.6	8.5	8.4	8	8	8	8.5	8.5	8.3	7.8	7.8	7.8	125									
130				8	8.1	8.1	7.6	7.7	7.8	8.3	8.2	8.3	7.7	7.7	7.8	8.2	8.2	8.1	7.6	7.5	7.6	130									
135				7.7	7.8	7.8	7.3	7.4	7.5	7.9	8	8.1	7.4	7.4	7.5	7.9	7.9	7.9	7.3	7.3	7.4	135									
140				7.3	7.4	7.6	7	7.1	7.2	7.6	7.7	7.8	7.1	7.2	7.3	7.6	7.7	7.7	7	7.1	7.2	140									
145				7	7.1	7.2	6.6	6.8	6.9	7.3	7.4	7.5	6.9	7	7	7.4	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	7.3	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				6.2	6.2	6.3	5.7	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	6.3	160									
165				5.9	6	6.1	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	6	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	5.5	5.9	6.1	5.1	5.5	5.7	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	5.5	5.7	4.6	5.1	5.4	175									
180				5.1	5.2		4.7	4.8	4.9	5.4	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	4.4	4.7	3.7	4.2	4.4	185									
190				4.7	4.8		4.2	4.3		4.5	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	4.3		4	4.3	4.4	3	3.4	3.6	2.8	3.2	3.4	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				3.2			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							2.4			2.5	2.5		2.3	2.5								215									
220													2	2.1								220									

t_205_51301_00_000 / 51331_00_000 / 51361_00_000

Lifting capacities Forces de levage

TVK

		 42 – 197 ft			 23 ft			 62 ft						 360°			 92600 lbs			 85%														
 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				62 ft					
	0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°		0°	20°	40°							
17	9.2																											17						
18	9.2																											18						
19	9.2																											19						
20	9.1																											20						
22	9.1																											22						
24	9.1																											24						
26	9																											26						
28	9																											28						
30	8.9																											30						
32	8.8																											32						
34	8.8	8.5																										34						
36	8.7	8.5																										36						
38	8.6	8.5																										38						
40	8.5	8.5			9.2																							40						
45	8.2	8.3			9.1			8.1			8.3																	45						
50	7.8	7.9	7.7		9.1			8.1			8.3			7.4			7.5			6.6								50						
55	7.4	7.5	7.7	9				8.1			8.3			7.4			7.5			6.6			6.4				55							
60	7	7.1	7.3	9				8.1			8.3			7.4			7.5			6.6			6.4				60							
65	6.6	6.7	6.9	8.9	8.3			8.1			8.2			7.4			7.4			6.6			6.4				65							
70	6.3	6.3	6.5	8.8	8.3			8.1	7.9		8.2	8.1		7.4			7.4			6.6			6.4				70							
75	6	6	6.2	8.7	8.3			8	7.8		8.2	8		7.3	7.1		7.4	7.3		6.6			6.4				75							
80	5.6	5.7	5.9	8.6	8.1			7.9	7.7		8.1	7.9		7.3	7.1		7.4	7.3		6.6	6.4		6.4				80							
85	5.2	5.5	5.6	8.5	7.9	7.5		7.9	7.5		8.1	7.7		7.3	7.1		7.3	7.3		6.6	6.4		6.4				85							
90	4.8	5.2	5.4	8.3	7.7	7.3	7.7	7.3	6.9	8	7.6	7.2	7.3	7.1	6.7	7.3	7.3		6.5	6.4		6.4					90							
95	4.4	4.9	5.2	8.1	7.5	7.1	7.6	7.1	6.8	7.8	7.4	7	7.2	6.9	6.7	7.3	7.1	6.8	6.5	6.4	6.1	6.4					95							
100	4	4.5	4.9	7.8	7.3	6.9	7.4	6.9	6.6	7.7	7.2	6.8	7.1	6.7	6.5	7.2	7	6.7	6.5	6.4	6.1	6.4					100							
105	3.7	4.1	4.4	7.6	7.1	6.7	7.2	6.7	6.4	7.5	7	6.7	7	6.6	6.3	7.1	6.8	6.5	6.5	6.3	6.1	6.4					105							
110	3.4	3.7	3.8	7.4	6.9	6.6	7	6.5	6.3	7.3	6.8	6.5	6.8	6.4	6.2	7	6.6	6.4	6.4	6.2	6	6.3					110							
115	3.1	3.3		7.2	6.7	6.4	6.8	6.4	6.1	7.1	6.6	6.4	6.7	6.3	6.1	6.9	6.5	6.2	6.3	6.1	5.9	6.2					115							
120				7	6.5	6.3	6.6	6.2	6	6.9	6.4	6.2	6.5	6.1	6	6.7	6.3	6.1	6.2	6	5.8	6.1					120							
125				6.8	6.3	6.1	6.5	6.1	5.9	6.8	6.3	6.1	6.4	6	5.8	6.6	6.2	6	6.1	5.8	5.7	6					125							
130				6.6	6.2	6	6.3	5.9	5.8	6.6	6.1	6	6.2	5.8	5.7	6.5	6.1	5.9	6	5.7	5.6	6					130							
135				6.4	6	5.9	6.1	5.8	5.6	6.4	6	5.9	6.1	5.7	5.6	6.3	5.9	5.8	5.9	5.6	5.5	5.9					135							
140				6.3	5.9	5.7	5.9	5.6	5.5	6.3	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	5.7					140							
145				6.1	5.7	5.6	5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	5.6					145							
150				5.9	5.6	5.5	5.6	5.4	5.3	6	5.6	5.5	5.6	5.4	5.3	5.9	5.6	5.5	5.5	5.3	5.2	5.5					150							
155				5.7	5.5	5.4	5.4	5.3	5.2	5.8	5.5	5.4	5.5	5.2	5.2	5.7	5.5	5.4	5.4	5.2	5.1	5.4					155							
160				5.5	5.4	5.3	5.3	5.1	5.1	5.7	5.4	5.3	5.3	5.2	5.1	5.6	5.4	5.3	5.3	5.1	5	5.3					160							
165				5.3	5.3	5.2	5	5	5	5.5	5.3	5.2	5.1	5.1	5	5.4	5.3	5.2	5.1	5	5	5.1					165							
170				5.1	5.1	5.1	4.8	4.9	5	5.3	5.2	5.2	5	4.9	5	5.3	5.2	5.1	5	4.9	4.9	4.9					170							
175				4.9	4.9	5.1	4.6	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.8	4.7					175							
180				4.7	4.8	4.9	4.4	4.6	4.7	4.9	5	5	4.6	4.7	4.8	4.7	5	5	4.6	4.7	4.8	4.4					180							
185				4.5	4.6	4.8	4.1	4.4	4.5	4.7	4.8	4.9	4.4	4.6	4.7	4.3	4.8	4.9	4.2	4.6	4.7	4					185							
190				4.3	4.4	4.5	3.9	4.2	4.3	4.5	4.7	4.8	4.2	4.4	4.6	3.9	4.5	4.9	3.8	4.4	4.5	3.6					190							
195				4.1	4.2	4.3	3.7	3.9	4.1	4.4	4.5	4.6	4	4.2	4.4	3.5	4.2	4.6	3.3	4.1	4.4	3.1					195							
200				3.9	4	4.1	3.6	3.7	3.9	4.1	4.3	4.4	3.8	4	4.2	3.1	3.8	4.2	3	3.7	4.1	2.8					200							
205				3.7	3.8		3.4	3.5	3.6	3.7	4.1	4.2	3.5	3.8	4	2.7	3.4	3.7	2.6	3.2	3.7	2.4					205							
210				3.6	3.7		3.2	3.3	3.4	3.3	3.8	4	3.2	3.6	3.8	2.3	3	3.3	2.2	2.8	3.2	2					210							
215				3.4	3.5		3	3.1		2.9	3.4	3.6	2.8	3.3	3.5	2	2.6	2.8	1.8	2.5	2.8						215							
220				3.3	3.3		2.8	2.9		2.6	3		2.4	2.9	3.1		2.1	2.4		2.1	2.4						220							
225				3	3.2		2.7	2.8		2.2	2.6		2.1	2.5				1.9			2						225							
230				2.6			2.5	2.6		1.9	2.2				2.2												230							
235							2.2	2.4			1.8				1.8												235							
240							1.9																				240							

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Lifting capacities Forces de levage

TVK

		 42 – 197 ft			 23 ft			 35 ft			 360°			 14600 lbs			 85%														
 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								

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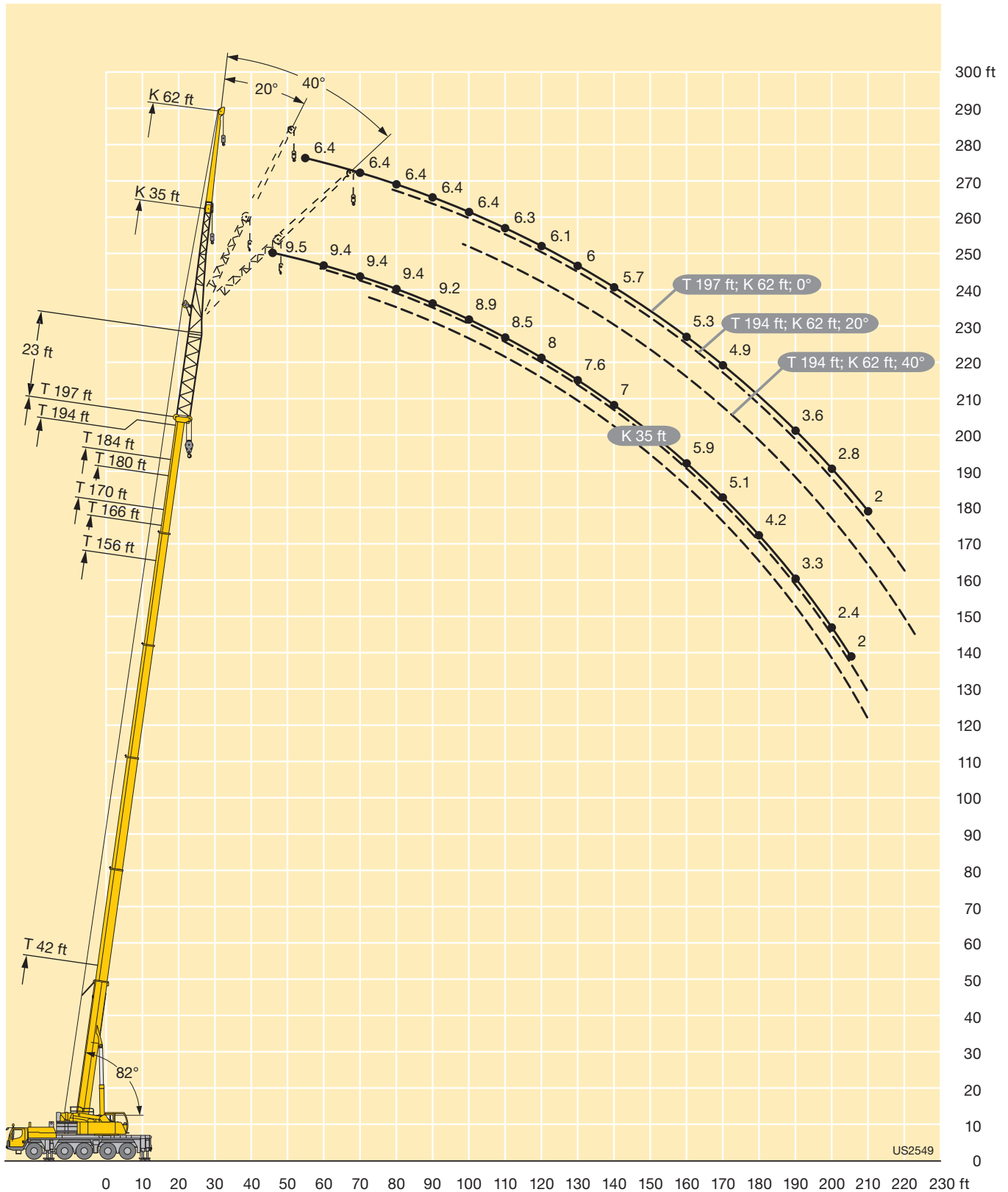
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Lifting capacities Forces de levage

TVK

		 42 – 197 ft T			 23 ft V			 62 ft K			 360°			 14600 lbs			 85%												
 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°							
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						

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Lifting capacities Forces de levage

TVK

42 – 194 ft T 46 ft V 35 ft K 360° 92600 lbs 85%																						
 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			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	9.7																				14	
15	9.7																				15	
16	9.7																				16	
17	9.7																				17	
18	9.7																				18	
19	9.7																				19	
20	9.7																				20	
22	9.7																				22	
24	9.7	9.7																			24	
26	9.6	9.7																			26	
28	9.5	9.7																			28	
30	9.5	9.7																			30	
32	9.3	9.6																			32	
34	9.1	9.4	9.1																		34	
36	8.9	9.1	9.1																		36	
38	8.7	8.9	9																		38	
40	8.5	8.6	8.9	9.7																	40	
45	8	8.1	8.3	9.7			8.5			8.8											45	
50	7.4	7.5	7.7	9.7			8.5			8.7			7.6			7.6			6.6		50	
55	7	7.1	7.2	9.7	9.7		8.5			8.7			7.6			7.6			6.6		55	
60	6.5	6.6	6.8	9.6	9.5		8.5	8.5		8.6	8.7		7.6	7.7		7.6			6.6		60	
65	6.2	6.2	6.4	9.4	9.2	8.9	8.4	8.4		8.6	8.6		7.5	7.6		7.6	7.6		6.6	6.6	65	
70	5.8	5.9	6	9.2	8.9	8.6	8.3	8.2	8	8.5	8.5	8.4	7.5	7.6		7.5	7.6		6.6	6.6	70	
75	5.4	5.5	5.7	8.9	8.6	8.4	8.2	8	7.8	8.4	8.3	8.1	7.4	7.6	7.5	7.5	7.6	7.6	6.6	6.6	75	
80	5	5.2	5.4	8.7	8.3	8.1	8	7.7	7.5	8.2	8.1	7.9	7.4	7.4	7.3	7.5	7.6	7.5	6.5	6.6	6.6	80
85	4.6	4.9	5.1	8.4	8	7.8	7.7	7.5	7.3	8.1	7.8	7.6	7.3	7.2	7.1	7.4	7.5	7.3	6.5	6.6	6.6	85
90	4.2	4.5	4.8	8.1	7.8	7.6	7.5	7.2	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.1	6.5	6.6	6.6	90
95	3.8	4.1	4.3	7.8	7.5	7.3	7.3	7	6.9	7.7	7.4	7.2	7	6.8	6.7	7.2	7.1	7	6.4	6.5	6.4	95
100	3.4	3.7	3.8	7.6	7.3	7.1	7.1	6.8	6.7	7.5	7.1	7	6.9	6.6	6.5	7.1	6.9	6.8	6.4	6.4	6.3	100
105	3.1	3.3	3.3	7.3	7	6.9	6.9	6.6	6.5	7.2	6.9	6.8	6.7	6.5	6.4	7	6.7	6.6	6.4	6.2	6.1	105
110	2.8	2.9	3.2	7.1	6.8	6.7	6.7	6.4	6.3	7	6.7	6.6	6.5	6.3	6.2	6.8	6.6	6.4	6.2	6.1	6	110
115	2.6			6.9	6.6	6.5	6.4	6.2	6.1	6.8	6.5	6.4	6.3	6.1	6	6.6	6.4	6.3	6.1	5.9	5.9	115
120				6.6	6.4	6.3	6.3	6	6	6.6	6.3	6.2	6.2	6	5.9	6.4	6.2	6.1	5.9	5.8	5.7	120
125				6.4	6.2	6.1	6.1	5.9	5.8	6.4	6.2	6.1	6	5.8	5.7	6.2	6.1	6	5.8	5.6	5.6	125
130				6.2	6	5.9	5.9	5.7	5.6	6.2	6	5.9	5.8	5.7	5.6	6.1	5.9	5.8	5.7	5.5	5.5	130
135				6	5.8	5.8	5.7	5.6	5.5	6	5.8	5.8	5.7	5.5	5.5	5.9	5.7	5.7	5.5	5.4	5.3	135
140				5.9	5.7	5.6	5.5	5.4	5.4	5.9	5.7	5.6	5.5	5.4	5.3	5.8	5.6	5.5	5.4	5.2	5.2	140
145				5.7	5.5	5.5	5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.3	5.2	5.6	5.5	5.4	5.3	5.1	5.1	145
150				5.5	5.4	5.4	5.2	5.1	5.1	5.6	5.4	5.4	5.2	5.1	5.1	5.5	5.3	5.3	5.2	5	5	150
155				5.3	5.2	5.2	5	5	5	5.4	5.3	5.2	5	5	5	5.3	5.2	5.2	5	4.9	4.9	155
160				5.1	5.1	5.1	4.8	4.8	4.9	5.3	5.1	5.1	4.9	4.9	4.8	5.2	5.1	5.1	4.9	4.8	4.8	160
165				4.8	4.9	5	4.6	4.7	4.7	5.1	5	5	4.7	4.7	4.7	5	5	5	4.7	4.7	4.7	165
170				4.6	4.7	4.8	4.3	4.5	4.5	4.9	4.9	4.9	4.5	4.6	4.6	4.9	4.8	4.9	4.5	4.6	4.6	170
175				4.4	4.5	4.6	4.1	4.2	4.3	4.7	4.7	4.7	4.3	4.4	4.5	4.5	4.7	4.8	4.3	4.5	4.5	175
180				4.2	4.3	4.4	3.9	4	4.1	4.5	4.5	4.6	4.1	4.2	4.4	4.1	4.5	4.7	3.9	4.2	4.3	180
185				4	4.1	4.1	3.7	3.8	3.9	4.3	4.3	4.4	4	4	4.2	3.6	4	4.3	3.5	3.9	4.1	185
190				3.8	3.9	3.9	3.5	3.6	3.6	4	4.1	4.2	3.8	3.9	3.9	3.2	3.6	3.9	3	3.5	3.7	190
195				3.6	3.7	3.7	3.3	3.4	3.4	3.8	3.9	4	3.5	3.7	3.7	2.8	3.2	3.4	2.6	3	3.3	195
200				3.4	3.5		3.1	3.2	3.2	3.4	3.6	3.7	3.2	3.5	3.5	2.4	2.8	3	2.2	2.6	2.8	200
205				3.2	3.3		2.9	3		2.9	3.3	3.4	2.8	3.1	3.2	1.9	2.3	2.5	1.8	2.2	2.4	205
210				3.1	3.1		2.7	2.8		2.5	2.8		2.4	2.7	2.9		1.9	2.1		1.8	2	210
215				2.9	3		2.5	2.6		2.2	2.4		2	2.3	2.5							215
220				2.6	2.7		2.3	2.4		1.8	2				1.9							220
225				2.2			2	2.2														225
230								1.9														230

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Lifting capacities Forces de levage

TVK

		 42 – 194 ft T			 46 ft V			 62 ft K						 360°			 92600 lbs			 85%				
 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°			
17	6.6																					17		
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	6.5																					30		
32	6.5																					32		
34	6.5																					34		
36	6.5																					36		
38	6.4	6.6																				38		
40	6.4	6.6																				40		
45	6.3	6.6		6.6																		45		
50	6.1	6.3		6.6			5.8			5.9												50		
55	5.8	6	5.9	6.6			5.8			5.9			5.2			5.2						55		
60	5.5	5.7	5.9	6.5			5.7			5.9			5.1			5.2			4.5			60		
65	5.2	5.4	5.6	6.5			5.7			5.8			5.1			5.1			4.4			65		
70	4.9	5.1	5.3	6.4			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		5.7	5.9		5			5.1			4.4			75		
80	4.4	4.5	4.7	6.3	6.3		5.6	5.8		5.7	5.9		5	5.2		5	5.2		4.4			80		
85	4.1	4.2	4.5	6.3	6.2		5.6	5.7		5.7	5.8		5	5.1		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	6.1	5.8	5.6	5.5	5.4	5.3	5.6	5.6	5.4	5	5.1		5	5.1		4.3	4.5		95		
100	3.5	3.6	3.8	5.9	5.6	5.4	5.4	5.3	5.1	5.6	5.4	5.3	4.9	5.1	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	4.9	5	5	4.3	4.5	4.4	105		
110	3.1	3.3	3.4	5.5	5.3	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	4.4	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	4.8	4.8	4.8	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	4.6	4.5	4.7	4.7	4.6	4.2	4.3	4.3	120		
125	2.5	2.6	2.8	5	4.8	4.7	4.7	4.5	4.4	4.9	4.7	4.6	4.6	4.4	4.3	4.7	4.6	4.5	4.2	4.2	4.2	125		
130	2.5	2.5	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	4.5	4.4	4.1	4.1	4.1	130		
135	2.5	2.5	2.2	4.7	4.5	4.4	4.4	4.2	4.2	4.7	4.4	4.4	4.3	4.2	4.1	4.5	4.3	4.3	4.1	4	4	135		
140	2.5	2.5		4.5	4.3	4.3	4.3	4.1	4.1	4.5	4.3	4.3	4.2	4.1	4	4.4	4.2	4.2	4	3.9	3.9	140		
145				4.4	4.2	4.2	4.2	4	3.9	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	3.8	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	3.7	3.7	4.1	4	3.9	3.9	3.7	3.7	4.1	3.9	3.9	3.8	3.6	3.6	155		
160				4	3.8	3.8	3.8	3.6	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	3.5	3.5	3.9	3.8	3.7	3.7	3.5	3.6	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	3.4	3.5	3.7	3.6	3.6	3.5	3.4	3.4	170		
175				3.6	3.5	3.5	3.5	3.3	3.4	3.7	3.6	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	3.5	3.5	3.4	3.3	3.3	3.6	3.4	3.4	3.3	3.2	3.2	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	3.1	3.1	3.4	3.3	3.3	3.2	3.1	3.1	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	195		
200				3.1	3.1	3.1	2.7	2.9	3	3.2	3.1	3.2	2.9	3	3	2.6	3.1	3.2	2.4	2.9	3	200		
205				2.9	3	3.1	2.5	2.7	2.9	3.1	3	3.1	2.8	2.9	2.9	2.2	2.9	3.1	2	2.7	2.9	205		
210				2.8	2.9	3	2.4	2.6	2.8	2.8	3	3	2.6	2.8	2.8	1.9	2.5	3		2.4	2.8	210		
215				2.6	2.7	2.8	2.2	2.4	2.6	2.5	2.9	2.9	2.4	2.6	2.8		2.2	2.6		2	2.5	215		
220				2.4	2.5	2.6	2	2.2	2.3	2.2	2.7	2.8	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	2.2			1.8	1.9		2	2.2		1.9	2.2							230		
235				2	2.1										1.8							235		
240					1.9																	240		

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Lifting capacities Forces de levage

TVK

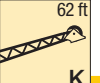
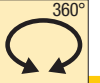
		 42 – 194 ft T			 46 ft V			 35 ft K						 360°			 14600 lbs			 85%				
 ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			 ft		
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	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		

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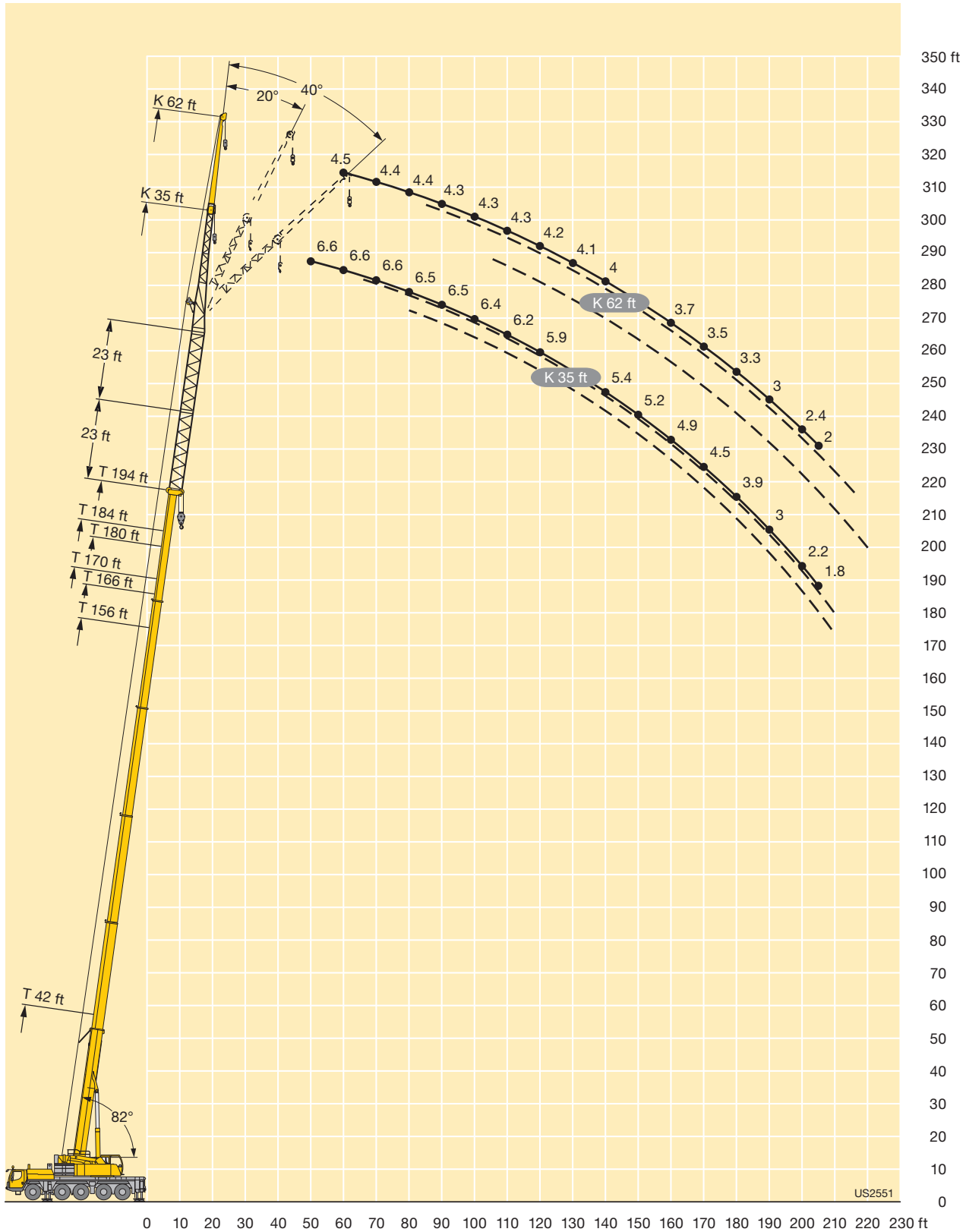
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Lifting capacities Forces de levage

TVK

		 42 – 194 ft T			 46 ft V			 62 ft K						 360°			 14600 lbs			85%				
 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°			
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		

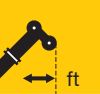
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Lifting capacities Forces de levage

TNZK

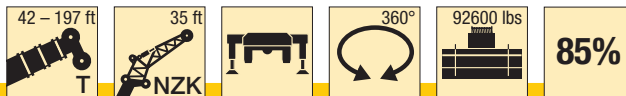


	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	38.7																		14
15	38.7																		15
16	38.7	37.6		38.7															16
17	38.7	37.6		38.7															17
18	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



	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												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      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 62 ft T NZK 360° 92600 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°	
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 35 ft  360° 14600 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	38.2																		14	
15	37.6																		15	
16	36.9	34.2		38.7															16	
17	36.2	34.2		38.7															17	
18	35.5	34		38.7															18	
19	34.8	33.5		38.7			38.4												19	
20	34.2	32.7		38.7			38.3												20	
22	33	31.3		38.7			38			33.8									22	
24	31.8	30.1		38.7			37.7			33.6									24	
26	30.5	28.9	23.5	38.6			37.2			33.5			28.9						26	
28	29.1	27.8	23	38.5	30		36.7			33.2			28.8						28	
30	27.7	26.8	22.3	37.9	29.3		36.2	29		32.8			28.7			24.1			30	
32	26.4	25.8	21.8	37.2	28.6		35.6	28.5		32.4			28.5			24.1			32	
34	25.1	24.9	21.2	36.4	27.9		34.9	27.9		32	27		28.2			24			34	
36	23.7	24.1	20.7	35.6	27.3	21.9	34	27.3		31.3	26.6		28			23.9			36	
38	22.4	23.3	20.1	34.5	26.7	21.5	32.3	26.8		29.8	26.1		26.8	24.8		23.8			38	
40	21.3	22.2	19.7	32.9	26.1	21.2	30.2	26.2	21.2	27.9	25.7		26.2	24.4		23.5			40	
45	18.8	19.5	18.2	27.6	24.8	20.4	25.3	25	20.5	23.2	24.6	20.3	22.5	23.2		21.3	21.8		45	
50	16.9	17.5	16.7	23.5	23.6	19.8	21.4	23.4	19.9	21.6	22	19.7	21.2	21.1	19.3	19.1	20.4		50	
55	15.2	16.4	15.9	20.1	21.9	19.2	18.2	20.3	19.3	19.7	18.8	19.2	18.4	18.6	18.6	17.1	17.7	18	55	
60	13.9	15.5	15.4	17.3	19.1	18.6	15.5	17.4	18.6	17.1	17.8	17.7	15.9	17.5	17	14.7	16.5	16.7	60	
65	12.7	14.9	6.3	15	16.5	17.7	13.3	15	16.4	14.8	16.4	15.7	13.8	15.4	15.6	12.7	14.3	15.3	65	
70				13	14.4	15.5	11.3	12.9	14.2	13	14.3	15.2	12	13.4	14.6	10.9	12.4	13.7	70	
75				11.3	12.5	13.5	9.7	11.1	12.2	11.3	12.6	13.6	10.4	11.7	12.8	9.4	10.8	12	75	
80				9.7	10.8	11.7	8.3	9.5	10.5	9.9	11.1	12	9	10.2	11.2	8	9.3	10.4	80	
85				8.3	9.3	10	7	8.1	9	8.7	9.7	10.5	7.8	8.9	9.8	6.9	8	9	85	
90				7.1	8	8.5	5.9	6.9	7.7	7.6	8.5	9.2	6.7	7.7	8.5	5.8	6.9	7.8	90	
95				6	6.8	7.3	4.9	5.8	6.5	6.6	7.4	8.1	5.8	6.7	7.4	4.8	5.9	6.7	95	
100				5.1	5.7	6.1	4	4.8	5.4	5.7	6.4	7	4.9	5.7	6.4	4	4.9	5.7	100	
105				4.2	4.8	5.1	3.2	3.9	4.4	4.9	5.5	6	4.1	4.9	5.5	3.2	4.1	4.8	105	
110				3.5	3.9	4.1	2.3	3.1	3.4	4.1	4.7	5.1	3.4	4.1	4.6	2.4	3.3	3.9	110	
115				2.8	3.2			2.1	2.5	3.4	4	4.3	2.7	3.4	3.9		2.6	3.2	115	
120				2.2	2.4					2.7	3.3	3.6	1.9	2.7	3.2			2.4	120	
125										2.1	2.6	2.9		2	2.5				125	
130											1.9	2.2							130	

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42 – 197 ft 35 ft  360° 14600 lbs 85%																
 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	16.8			18.5												32
34	16.8			18.5												34
36	16.8			18.5			14.8			15						36
38	16.8			18.5			14.8			15						38
40	16.8			18.4			14.8			15			12.6			40
45	16.8			18.4			14.8			15			12.6			45
50	16.7	16.2		17.1	18.4		14.8	14.3		15			12.6			50
55	16.3	15.9		15.7	16.8		14.6	14.3		14	14.8		12.4	12.4		55
60	14.3	15.3	14.8	13.4	15.3	15.6	13	14.2	13.9	11.8	13.7		11.1	12.2		60
65	12.3	13.9	14.2	11.4	13.1	14.7	11.1	12.9	13.7	9.8	11.7	13.4	9.4	11.1	11.8	65
70	10.6	12.1	13.4	9.7	11.3	12.7	9.5	11	12.4	8.2	9.9	11.4	7.8	9.5	10.9	70
75	9.1	10.5	11.7	8.2	9.7	10.9	8	9.5	10.7	6.8	8.4	9.7	6.4	8	9.3	75
80	7.8	9.1	10.1	6.9	8.3	9.4	6.7	8.1	9.2	5.6	7	8.2	5.2	6.7	7.9	80
85	6.6	7.8	8.8	5.8	7	8.1	5.6	6.9	7.9	4.4	5.8	6.9	4.1	5.5	6.6	85
90	5.6	6.7	7.6	4.7	5.9	6.9	4.6	5.7	6.7	3.4	4.7	5.8	3	4.4	5.4	90
95	4.6	5.7	6.5	3.8	4.9	5.8	3.6	4.8	5.7	2.2	3.7	4.7	1.8	3.4	4.4	95
100	3.8	4.7	5.5	2.9	4	4.8	2.7	3.9	4.7		2.7	3.7		2.4	3.5	100
105	3	3.9	4.6	2	3.2	3.9	1.8	3	3.8			2.8			2.5	105
110	2.1	3.1	3.8		2.2	3.1		2.1	3							110
115		2.4	3			2.2			2.1							115
120			2.2													120

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Lifting capacities Forces de levage

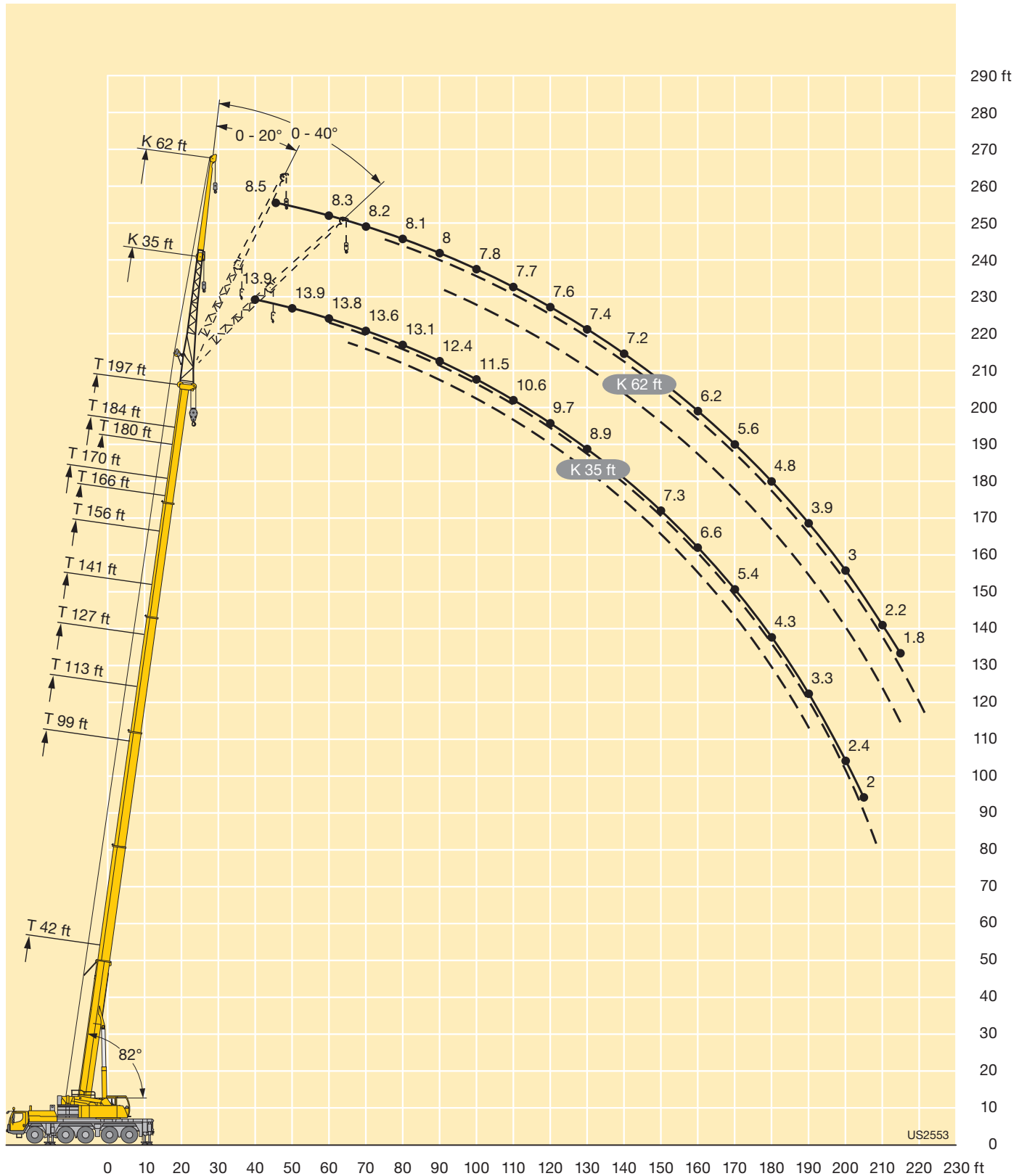
TNZK

42 – 197 ft 62 ft     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	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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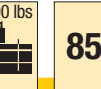
42 – 197 ft 62 ft  360° 14600 lbs 85%																
 ft	166 ft			170 ft			180 ft			184 ft			197 ft			ft 
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	9.2			9.9												36
38	9.2			9.8												38
40	9.1			9.8			8.6									40
45	9			9.6			8.5			8.6			7.7			45
50	8.9			9.5			8.4			8.5			7.7			50
55	8.8			9.4			8.3			8.4			7.6			55
60	8.7			9.2	8.3		8.3			8.3			7.6			60
65	8.6	7.9		9	8.2		8.2	7.7		8.2	7.7		7.5			65
70	8.4	7.8		8.6	8.1		8.1	7.6		8.1	7.6		7.4			70
75	8.3	7.8		8.2	8		7.9	7.5		7.2	7.6		6.6	7.1		75
80	8	7.7	7.1	7.3	7.9	7.1	7.1	7.5		6	7.5		5.5	7		80
85	7	7.6	7	6.3	7.6	7.1	6	7.4	6.9	4.9	7.2	7	4.5	6.7		85
90	6	7.4	7	5.2	7.3	7	5	7	6.9	4	6.2	6.9	3.6	5.8	6.8	90
95	5.1	6.8	6.9	4.3	6.3	7	4.1	6.1	6.9	3	5.2	6.8	2.5	4.8	6.5	95
100	4.3	6	6.9	3.5	5.4	6.9	3.3	5.2	6.7	2	4.3	6		4	5.6	100
105	3.5	5.2	6.5	2.7	4.5	6	2.4	4.4	5.8		3.5	5.1		3.2	4.7	105
110	2.8	4.4	5.7	1.8	3.8	5.1		3.6	5		2.6	4.2		2.3	3.9	110
115	2	3.7	4.9		3.1	4.3		2.9	4.2			3.4			3.1	115
120		3	4.1		2.3	3.6		2.1	3.4			2.6			2.4	120
125		2.3	3.4			2.9			2.8			1.8				125
130			2.8			2.2			2							130
135			2.1													135

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Lifting capacities Forces de levage

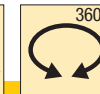
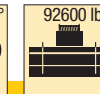
TVNZK

		 42 – 197 ft T			 23 ft V			 35 ft NZK						 360°			 92600 lbs			 85%														
 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	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	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

		 42 – 197 ft T			 23 ft V			 62 ft NZK						 360°			 92600 lbs			 85%						
 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			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	9.2																								17	
18	9.2																								18	
19	9.2																								19	
20	9.2																								20	
22	9.1																								22	
24	9.1																								24	
26	9																								26	
28	9																								28	
30	8.9																								30	
32	8.8																								32	
34	8.8																								34	
36	8.7	8.5																							36	
38	8.6	8.5																							38	
40	8.5	8.4			9.2																				40	
45	8.2	8.3			9.1			8.1			8.3														45	
50	7.8	7.9			9.1			8.1			8.3			7.4			7.5								50	
55	7.4	7.5	7.6	9				8.1			8.3			7.4			7.5			6.6			6.4			55
60	7	7.1	7.3	9				8.1			8.3			7.4			7.5			6.6			6.4			60
65	6.6	6.7	6.9	8.9	8.4			8.1			8.3			7.4			7.5			6.6			6.4			65
70	6.3	6.3	6.5	8.8	8.4			8.1	7.9		8.2	8		7.4			7.4			6.6			6.4			70
75	6	6	6.2	8.7	8.3			8	7.8		8.2	8		7.3	7.2		7.4	7.4		6.6			6.4			75
80	5.6	5.7	5.9	8.6	8.1			7.9	7.7		8.1	7.9		7.3	7.2		7.4	7.4		6.6	6.4		6.4	6.3		80
85	5.2	5.5	5.6	8.5	7.9	7.5		7.8	7.4		8.1	7.7		7.3	7.1		7.3	7.3		6.6	6.4		6.4	6.3		85
90	4.8	5.2	5.4	8.3	7.7	7.3		7.7	7.3	6.9	8	7.5	7.2	7.2	7.1	6.7	7.3	7.3		6.6	6.4		6.4	6.3		90
95	4.4	4.9	5.2	8	7.5	7.1		7.6	7.1	6.7	7.8	7.3	7	7.2	6.9	6.6	7.3	7.1	6.8	6.5	6.4	6	6.4	6.3		95
100	4	4.6	4.9	7.8	7.2	6.9		7.4	6.9	6.6	7.7	7.1	6.8	7.1	6.7	6.5	7.2	6.9	6.7	6.5	6.4	6.1	6.4	6.3	6	100
105	3.7	4.1	4.4	7.6	7	6.7		7.2	6.7	6.4	7.5	7	6.7	7	6.5	6.3	7.1	6.8	6.5	6.5	6.3	6.1	6.3	6.2	6	105
110	3.4	3.7	3.8	7.4	6.8	6.6		7	6.5	6.3	7.3	6.8	6.5	6.8	6.4	6.2	7	6.6	6.4	6.4	6.2	6	6.3	6.1	6	110
115	3.1	3.3		7.2	6.6	6.4		6.8	6.3	6.1	7.1	6.6	6.4	6.7	6.2	6.1	6.9	6.5	6.2	6.3	6.1	5.9	6.2	6	5.9	115
120				7	6.5	6.2		6.6	6.2	6	6.9	6.4	6.2	6.5	6.1	5.9	6.7	6.3	6.1	6.2	5.9	5.8	6.1	5.9	5.8	120
125				6.8	6.3	6.1		6.4	6	5.9	6.7	6.3	6.1	6.4	6	5.8	6.6	6.2	6	6.1	5.8	5.7	6	5.8	5.7	125
130				6.6	6.1	6		6.3	5.9	5.7	6.6	6.1	6	6.2	5.8	5.7	6.4	6	5.9	6	5.7	5.6	5.9	5.7	5.6	130
135				6.4	6	5.9		6.1	5.7	5.6	6.4	6	5.9	6	5.7	5.6	6.3	5.9	5.8	5.9	5.6	5.5	5.8	5.6	5.5	135
140				6.2	5.9	5.7		5.9	5.6	5.5	6.2	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	5.7	5.5	5.4	140
145				6.1	5.7	5.6		5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	5.6	5.4	5.3	145
150				5.9	5.6	5.5		5.6	5.4	5.3	5.9	5.6	5.5	5.6	5.3	5.3	5.9	5.6	5.5	5.6	5.3	5.2	5.5	5.3	5.2	150
155				5.7	5.5	5.4		5.4	5.3	5.2	5.8	5.5	5.4	5.4	5.2	5.2	5.7	5.5	5.4	5.4	5.2	5.1	5.4	5.2	5.1	155
160				5.5	5.4	5.3		5.3	5.1	5.1	5.7	5.4	5.3	5.3	5.1	5.1	5.6	5.4	5.3	5.3	5.1	5	5.3	5.1	5	160
165				5.3	5.2	5.2		5	5	5.1	5.5	5.3	5.2	5.1	5	5	5.4	5.3	5.2	5.2	5	5	5.1	5	4.9	165
170				5.1	5.1	5.2		4.8	4.9	5	5.3	5.2	5.2	5	4.9	5	5.3	5.2	5.1	5	4.9	4.9	4.9	4.9	4.9	170
175				4.9	4.9	5.1		4.6	4.8	4.8	5.1	5.1	5.1	4.8	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.8	4.7	4.8	4.8	175
180				4.7	4.8	4.9		4.4	4.6	4.7	4.9	5	5	4.6	4.7	4.8	4.7	4.9	5	4.6	4.7	4.8	4.4	4.7	4.8	180
185				4.5	4.6	4.8		4.2	4.4	4.5	4.7	4.8	4.9	4.4	4.6	4.7	4.4	4.8	4.9	4.2	4.6	4.7	4	4.6	4.6	185
190				4.3	4.4	4.5		4	4.2	4.3	4.5	4.6	4.8	4.2	4.4	4.6	4	4.6	4.8	3.8	4.4	4.6	3.6	4.3	4.5	190
195				4.1	4.2	4.3		3.8	4	4.1	4.4	4.5	4.6	4	4.2	4.4	3.6	4.2	4.6	3.3	4.1	4.4	3.2	3.9	4.3	195
200				3.9	4	4.1		3.6	3.8	3.9	4.2	4.3	4.4	3.8	4.1	4.2	3.1	3.8	4.2	3	3.7	4.1	2.8	3.5	4	200
205				3.7	3.8			3.4	3.6	3.6	3.8	4.1	4.2	3.5	3.9	4	2.8	3.4	3.7	2.6	3.3	3.7	2.4	3.1	3.5	205
210				3.6	3.7			3.2	3.4	3.4	3.3	3.9	4	3.2	3.6	3.8	2.4	3	3.3	2.2	2.9	3.2	2.1	2.7	3.1	210
215				3.4	3.5			3	3.2		3	3.4	3.6	2.8	3.3	3.5	2	2.6	2.8	1.9	2.5	2.8		2.3	2.7	215
220				3.2	3.3			2.8	3		2.6	3		2.5	2.9	3.1		2.1	2.4		2.1	2.4		1.9	2.3	220
225				3	3.2			2.7	2.8		2.2	2.6		2.1	2.5				1.9			2			1.8	225
230				2.6				2.5	2.6		1.9	2.2		1.8	2.2											230
235								2.2	2.4			1.9														235
240								1.9																		240

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Lifting capacities Forces de levage

TVNZK

		 42 – 197 ft			 23 ft			 35 ft			 360°			 14600 lbs			 85%														
 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								

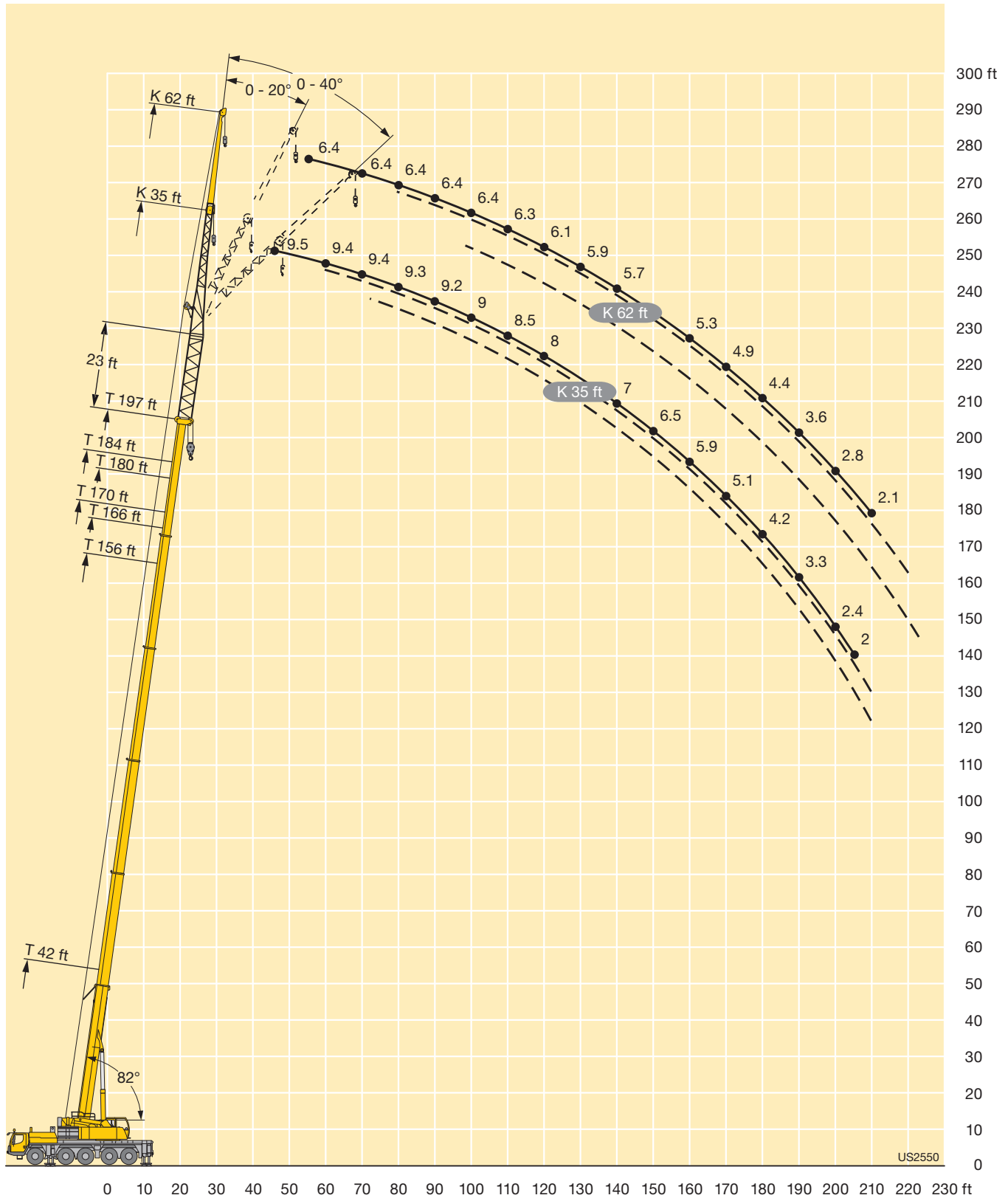
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Lifting capacities Forces de levage

TVNZK

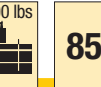
		 42 – 197 ft T			 23 ft V			 62 ft NZK						 360°			 14600 lbs			 85%						
 ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft			 ft	
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft				
	0°	20°	40°	0°	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			6.9								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 capacities Forces de levage

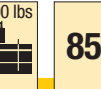
TVNZK

		 42 – 197 ft T			 46 ft V			 35 ft NZK						 360°			 92600 lbs			 85%														
 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			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	9.8																								14									
15	9.8																								15									
16	9.8																								16									
17	9.8																								17									
18	9.8																								18									
19	9.8																								19									
20	9.8																								20									
22	9.8																								22									
24	9.7	9.7																							24									
26	9.6	9.7																							26									
28	9.5	9.7																							28									
30	9.5	9.7																							30									
32	9.4	9.6																							32									
34	9.2	9.4	9																						34									
36	8.9	9.2	9																						36									
38	8.7	8.9	9																						38									
40	8.5	8.7	8.9	9.8																					40									
45	8	8.1	8.3	9.8				8.5			8.8														45									
50	7.4	7.6	7.7	9.7				8.5			8.7			7.6			7.5								50									
55	7	7.1	7.2	9.6	9.7			8.5			8.7			7.6			7.5			6.6			6.4		55									
60	6.5	6.6	6.8	9.5	9.5			8.5	8.5		8.6	8.7		7.5			7.5			6.6			6.4		60									
65	6.2	6.3	6.4	9.4	9.2	8.9		8.4	8.4		8.6	8.7		7.5	7.6		7.5	7.6		6.6	6.6		6.4		65									
70	5.8	5.9	6	9.2	8.9	8.6		8.3	8.2	8	8.5	8.5	8.4	7.5	7.6		7.5	7.6		6.6	6.6		6.4	6.4	70									
75	5.5	5.6	5.7	8.9	8.6	8.4		8.2	8	7.8	8.4	8.3	8.1	7.5	7.5	7.5	7.5	7.6	7.6	6.6	6.6		6.4	6.4	75									
80	5	5.3	5.4	8.7	8.3	8.1	8	7.7	7.6		8.2	8.1	7.9	7.4	7.4	7.3	7.5	7.6	7.5	6.5	6.6	6.6	6.4	6.4	6.4	80								
85	4.6	4.9	5.1	8.4	8	7.8		7.7	7.5	7.3	8.1	7.8	7.6	7.3	7.2	7.1	7.4	7.4	7.3	6.5	6.6	6.6	6.3	6.4	6.4	85								
90	4.2	4.5	4.8	8.1	7.8	7.6		7.5	7.2	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.1	6.5	6.6	6.6	6.3	6.4	6.4	90								
95	3.8	4.1	4.3	7.8	7.5	7.3		7.3	7	6.9	7.7	7.4	7.2	7	6.8	6.7	7.2	7.1	7	6.5	6.5	6.5	6.3	6.3	6.3	95								
100	3.4	3.7	3.8	7.6	7.2	7.1		7.1	6.8	6.7	7.4	7.1	7	6.9	6.6	6.5	7.1	6.9	6.8	6.4	6.3	6.3	6.3	6.2	6.2	100								
105	3.1	3.3	3.3	7.3	7	6.9		6.9	6.6	6.5	7.2	6.9	6.8	6.7	6.5	6.4	7	6.7	6.6	6.4	6.2	6.1	6.2	6.1	6.1	105								
110	2.8	2.9	3.3	7.1	6.8	6.7		6.7	6.4	6.3	7	6.7	6.6	6.5	6.3	6.2	6.8	6.5	6.4	6.2	6.1	6	6.1	6	5.9	110								
115	2.6			6.8	6.6	6.5		6.4	6.2	6.1	6.8	6.5	6.4	6.3	6.1	6	6.6	6.4	6.3	6.1	5.9	5.9	6	5.9	5.8	115								
120				6.6	6.4	6.3		6.3	6.1	6	6.6	6.3	6.2	6.1	6	5.9	6.4	6.2	6.1	5.9	5.8	5.7	5.9	5.7	5.7	120								
125				6.4	6.2	6.1		6.1	5.9	5.8	6.4	6.2	6.1	6	5.8	5.7	6.2	6	5.9	5.8	5.6	5.6	5.7	5.6	5.5	125								
130				6.2	6	5.9		5.9	5.7	5.6	6.2	6	5.9	5.8	5.7	5.6	6.1	5.9	5.8	5.6	5.5	5.5	5.6	5.5	5.4	130								
135				6	5.8	5.8		5.7	5.6	5.5	6	5.8	5.8	5.7	5.5	5.5	5.9	5.7	5.7	5.5	5.4	5.3	5.5	5.3	5.3	135								
140				5.9	5.7	5.6		5.5	5.4	5.4	5.9	5.7	5.6	5.5	5.4	5.3	5.8	5.6	5.5	5.4	5.3	5.2	5.4	5.2	5.2	140								
145				5.7	5.5	5.5		5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.2	5.2	5.6	5.5	5.4	5.3	5.1	5.1	5.2	5.1	5.1	145								
150				5.5	5.4	5.3		5.2	5.1	5.1	5.6	5.4	5.4	5.2	5.1	5.1	5.5	5.3	5.3	5.1	5	5	5.1	5	5	150								
155				5.3	5.2	5.2		5	5	5	5.4	5.2	5.2	5	5	5	5.3	5.2	5.2	5	4.9	4.9	5	4.9	4.8	155								
160				5.1	5.1	5.1		4.8	4.8	4.9	5.3	5.1	5.1	4.9	4.8	4.8	5.2	5.1	5.1	4.9	4.8	4.8	4.9	4.8	4.8	160								
165				4.8	4.9	5		4.6	4.7	4.7	5.1	5	5	4.7	4.7	4.8	5	5	5	4.7	4.7	4.7	4.7	4.6	4.7	165								
170				4.6	4.7	4.8		4.4	4.5	4.5	4.9	4.9	4.9	4.5	4.6	4.7	4.9	4.8	4.9	4.5	4.6	4.6	4.4	4.5	4.6	170								
175				4.4	4.5	4.6		4.1	4.3	4.3	4.7	4.7	4.7	4.3	4.4	4.5	4.5	4.7	4.8	4.3	4.5	4.5	4.1	4.4	4.4	175								
180				4.2	4.3	4.4		3.9	4	4.1	4.5	4.5	4.6	4.2	4.3	4.4	4.1	4.5	4.6	3.9	4.2	4.3	3.7	4.2	4.2	180								
185				4	4.1	4.1		3.7	3.8	3.9	4.3	4.3	4.4	4	4.1	4.2	3.6	4.1	4.3	3.5	3.9	4.1	3.3	3.7	4	185								
190				3.8	3.9	3.9		3.5	3.6	3.6	4	4.1	4.2	3.7	3.9	3.9	3.2	3.6	3.9	3	3.5	3.7	2.9	3.3	3.6	190								
195				3.6	3.7	3.7		3.3	3.4	3.4	3.8	3.9	4	3.5	3.7	3.7	2.8	3.2	3.4	2.6	3	3.3	2.4	2.9	3.1	195								
200				3.4	3.5			3	3.2	3.2	3.4	3.7	3.7	3.2	3.5	3.6	2.4	2.8	3	2.2	2.6	2.8	2	2.4	2.7	200								
205				3.2	3.3			2.9	3		3	3.3	3.4	2.8	3.1	3.2	2	2.4	2.5	1.8	2.2	2.4		2	2.3	205								
210				3.1	3.1			2.7	2.8		2.6	2.8		2.4	2.8	2.9				1.9	2.1				1.9	210								
215				2.9	3			2.5	2.6		2.2	2.4		2	2.4	2.4										215								
220				2.6	2.7			2.3	2.4		1.8	2				1.9										220								
225				2.3				2.1	2.2																	225								
230								1.9																		230								

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Lifting capacities Forces de levage

TVNZK

		 42 – 194 ft			 46 ft			 62 ft						 360°			 92600 lbs			 85%														
 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		4.4			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		2	2.2		1.9	2.2							230												
235				2	2.1										1.8							235												
240					1.9																	240												

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Lifting capacities Forces de levage

TVNZK

		 42 – 197 ft T			 46 ft V			 35 ft NZK						 360°			 14600 lbs			85%														
 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			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								

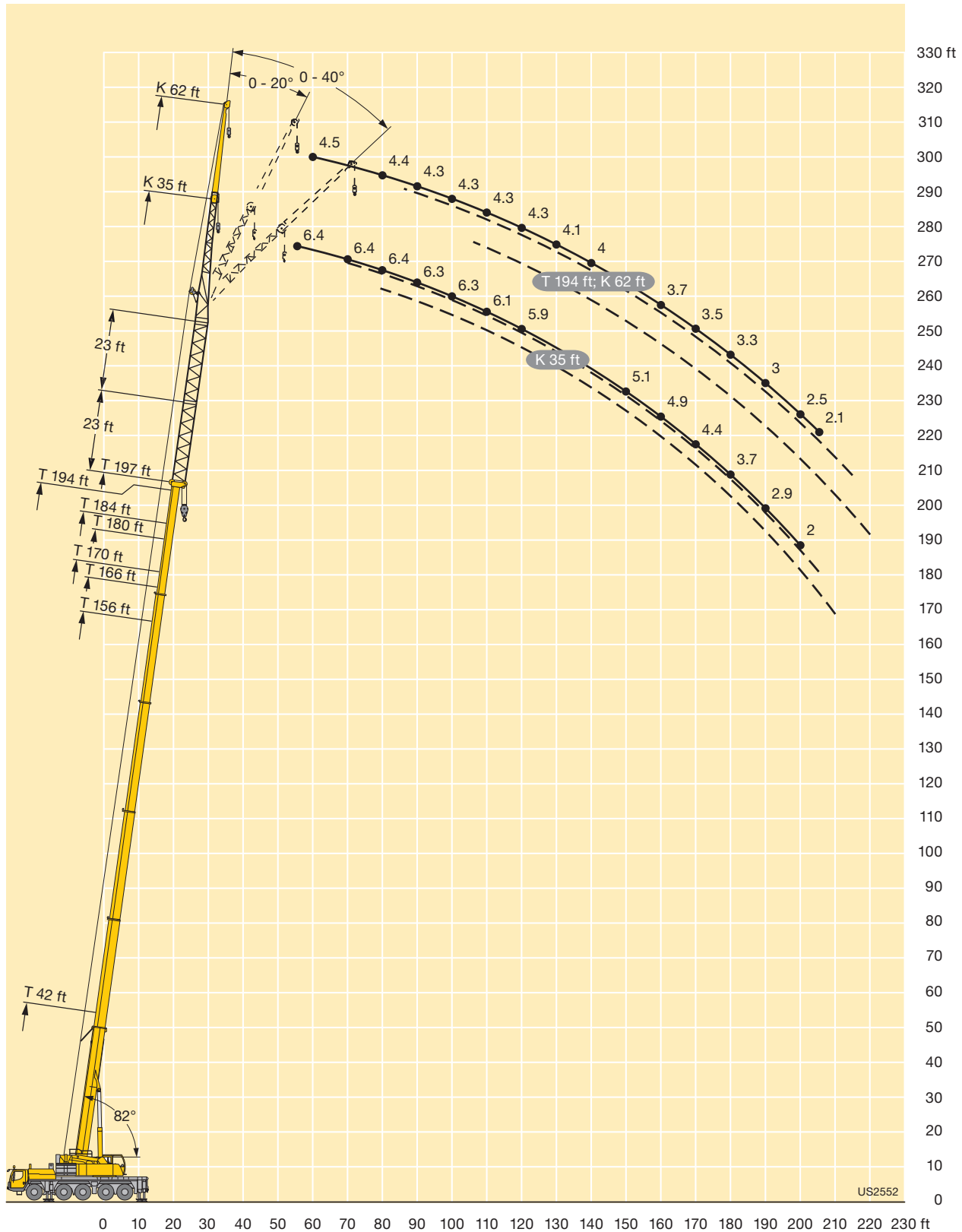
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Lifting capacities Forces de levage

TVNZK

		 42 – 194 ft T			 46 ft V			 62 ft NZK						 360°			 14600 lbs			 85%				
 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																					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				4.6			4.7					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		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 capacities Forces de levage

TK

42 – 197 ft 9.5 ft 360° 92600 lbs 85%															
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															
9.5 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											16
17	76.2	76.2	76.2	76.2	76.2										17
18	76.2	76.2	76.2	76.2	76.2										18
19	76.2	76.2	76.2	76.2	76.2										19
20	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									22
24	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	66.5								26
28	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

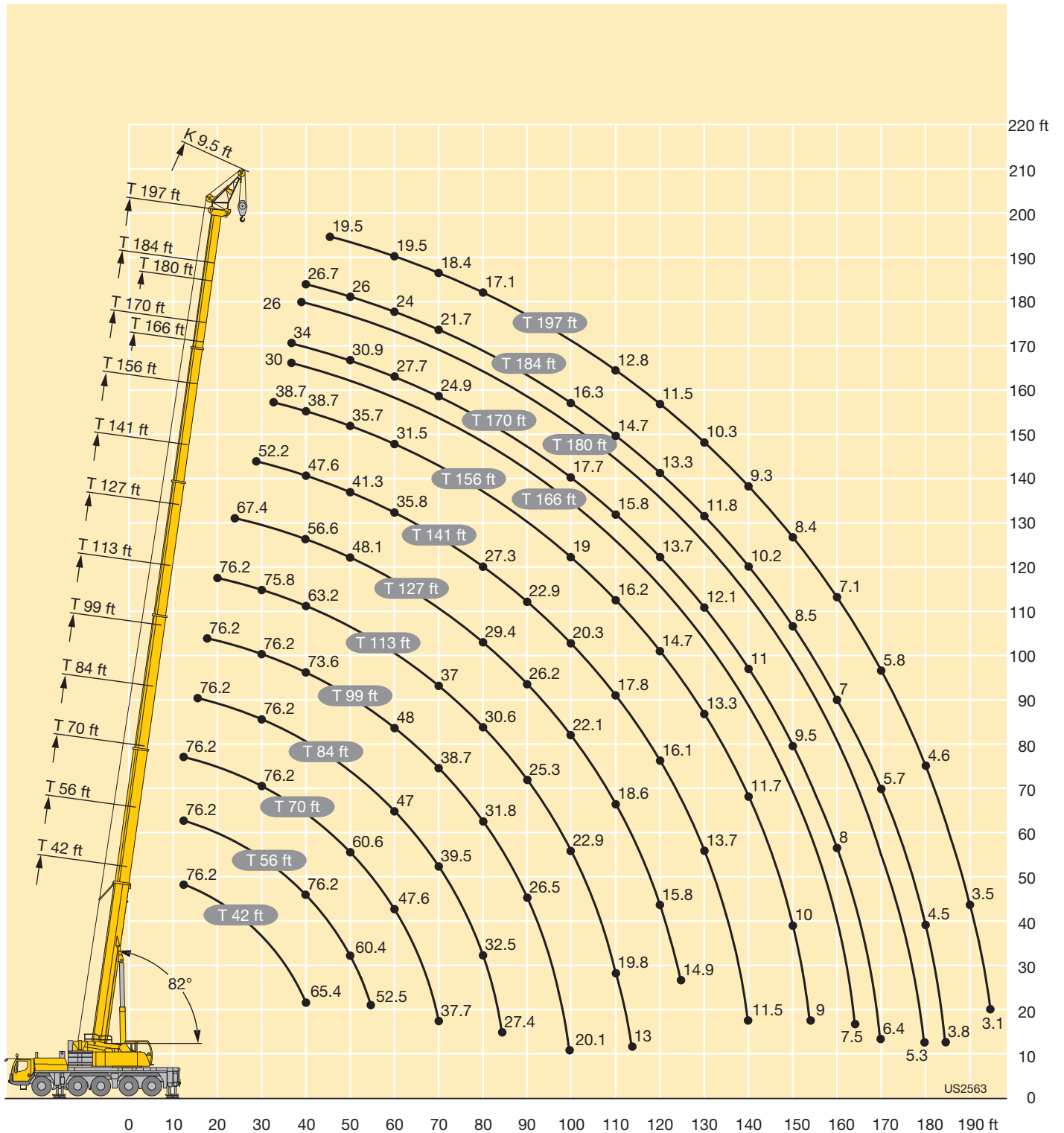
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Lifting capacities Forces de levage

TK

42 – 197 ft 9.5 ft 360° 14600 lbs 85%														
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														
9.5 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										16
17	76.2	76.2	76.2	76.2	76.2									17
18	76.2	76.2	76.2	76.2	76.2									18
19	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	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	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	55
60			18.3	19.2	19.3	19.2	18	17.2	15.7	15.4	14.4	13.9	12.6	60
65			15.6	16.6	16.6	16.7	15.6	14.9	13.5	13.3	12.3	12	10.7	65
70			13.4	14.3	14.4	14.5	13.6	12.9	11.6	11.4	10.5	10.2	8.9	70
75				12.4	12.5	12.5	11.9	11.2	10	9.8	8.9	8.6	7.5	75
80				10.7	10.8	10.9	10.3	9.8	8.6	8.4	7.5	7.3	6.2	80
85				9.3	9.3	9.4	8.9	8.5	7.3	7.1	6.3	6.2	5	85
90					8	8.1	7.7	7.3	6.2	6.1	5.2	5.2	3.9	90
95					7	7	6.5	6.3	5.2	5.1	4.3	4.2	2.9	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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Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	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.
Transmission	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.
Axles	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.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are mounted on hydropneumatic suspension and are lockable hydraulically.
Tyres	10 tyres, size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2 nd to 5 th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear.
Driver's cab	Spacious and comfortable cab mounted on rubber shock absorbers, safety glass windows.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	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.
Crane drive	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits.
Control	Electric „Load Sensing“ control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as standard feature.
Crane cab	Entirely galvanized, powder coated, with safety glazing, comfortably equipped, cab tiltable backwards.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	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.
Counterweight	64600 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib	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).
Erection jib	9.5 ft
Telescopic boom extension	23 ft – 46 ft long lattice section, thus higher pinning point for swing-away jib.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	10 tyres, size 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1 st axle.
Additional counterweight	28000 lbs for a total counterweight of 92600 lbs.

Other items of equipment available on request.

Châssis porteur

Châssis	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
Calage	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.
Moteur	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.
Boîte de vitesse	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.
Essieux	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.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Suspension hydropneumatique sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus de taille: 445/95 R 25 (16.00 R 25).
Direction	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.
Freins	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.
Cabine du conducteur	Cabine spacieuse, équipement «grand confort», suspendue sur silent blocs, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Partie tournante

Cadre	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
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Moteur	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.
Entraînement de la grue	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.
Commande	Direction électrique "Load Sensing", 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Mécanisme de levage	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.
Mécanisme de relevage	1 vérin différentiel avec clapet de frein commandé.
Dispositif de rotation	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.
Cabine du grutier	Entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, équipement confortable, cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge, «LICCON2», système test, limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	1 élément de base et 5 éléments télescopiques. Tous les éléments télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 42 ft – 197 ft.
Contrepoids	Plaque de base 64600 lbs.
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Fléchette pliante	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).
Fléchette de montage	9.5 ft
Rallonge flèche télescopique	Élément en treillis de 23 ft – 46 ft, de cette manière point d'articulation plus haute pour la flèche pliante.
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Pneumatiques	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	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 m² 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 m² 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.

Subject to modification / Sous réserve de modifications

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