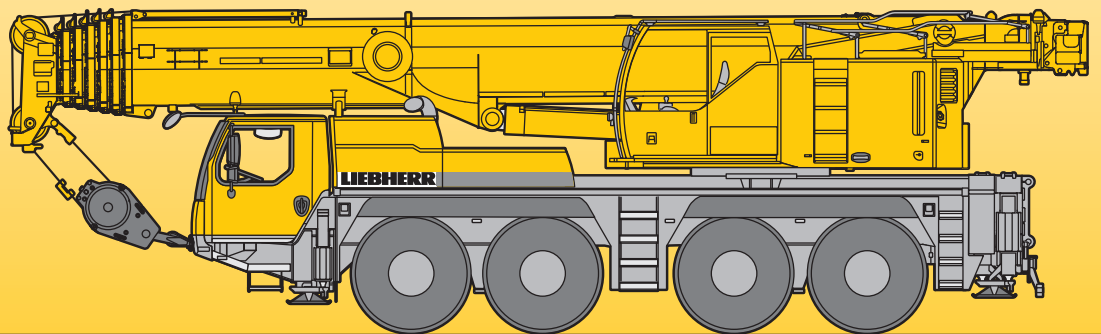


Mobile Crane Grue mobile

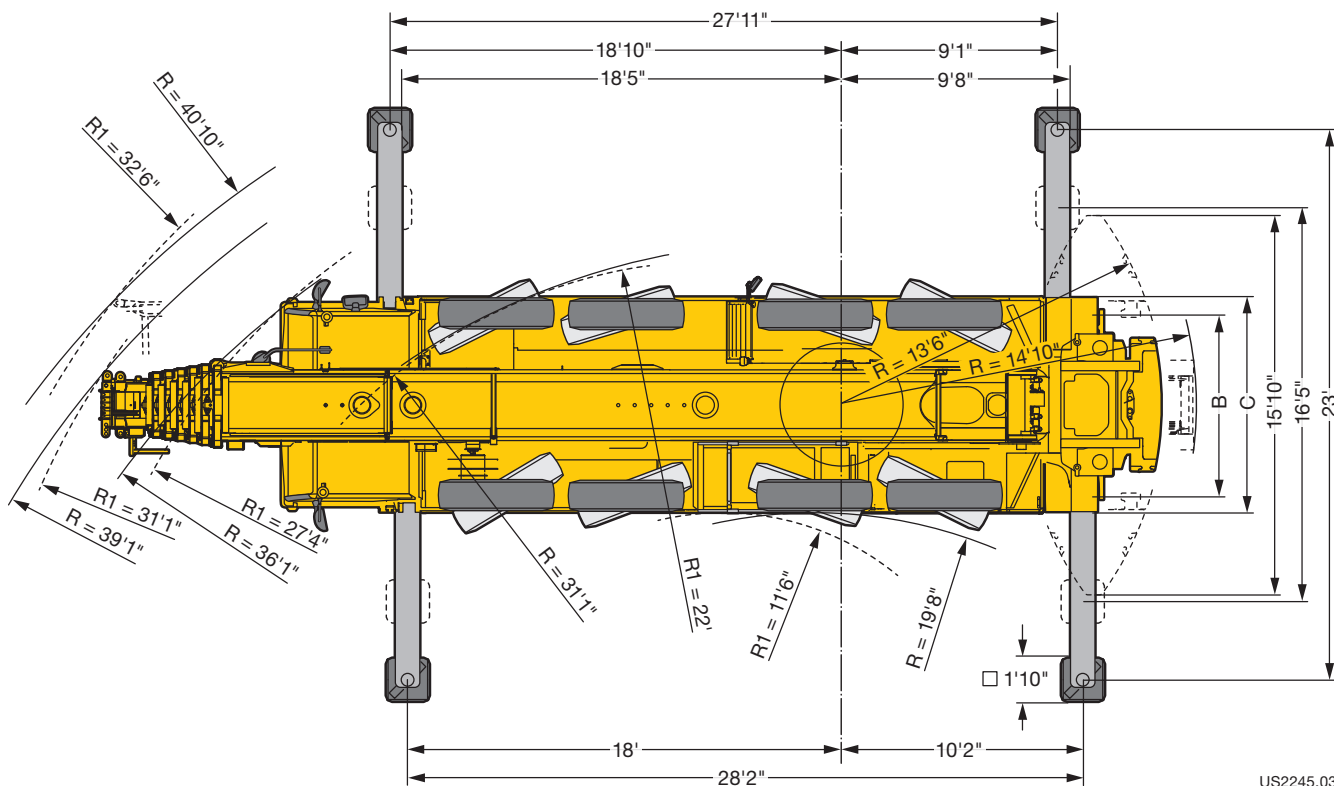
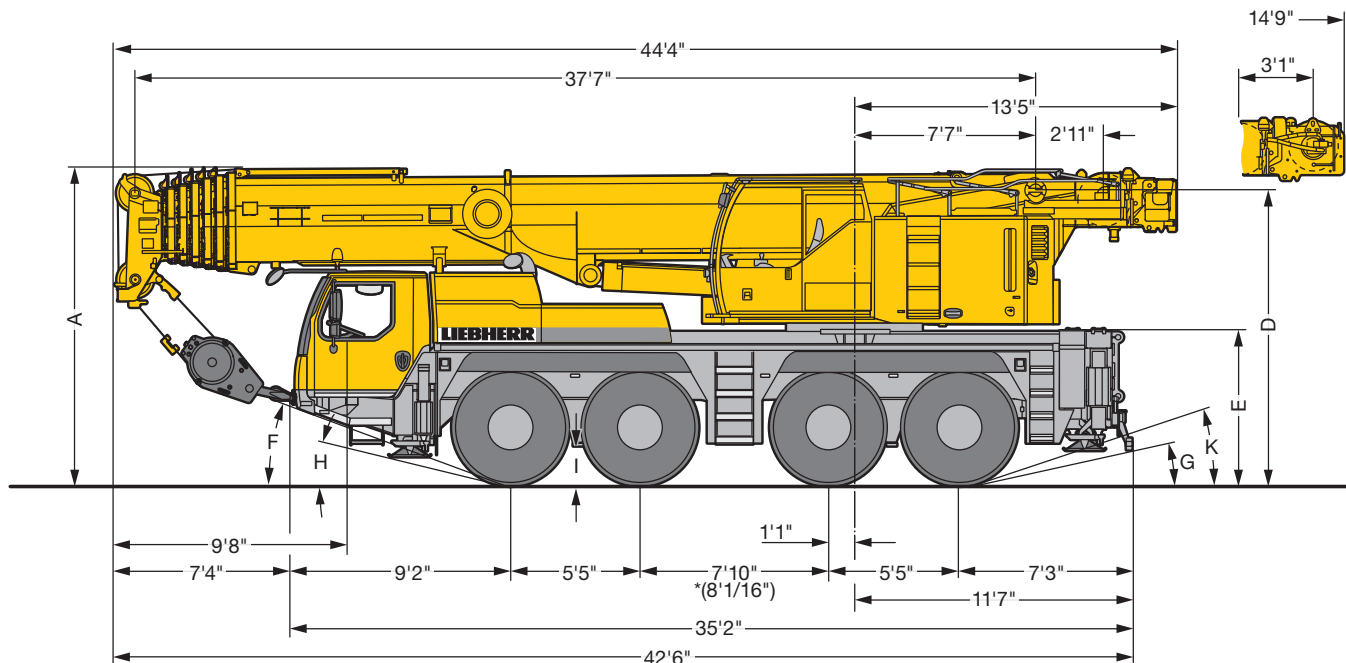
LTM 1100-4.2

Technical Data Caractéristiques techniques



LIEBHERR

Dimensions Encombrement



US2245.03

R₁ = All-wheel steering · Direction toutes roues * optional · en option

Dimensions · Encombrement										
	A	B	C	D	E	F	G	H	I	K
445/95 R 25 (16.00 R 25)	13'1"	7'7"	9'	12'2"	6'4"	20°	11°	13°	1'5"	17°
525/80 R 25 (20.5 R 25)	13'1"	7'9"	9'6"	12'2"	6'4"	20°	11°	13°	1'5"	17°

Weights Poids



Axle Essieu	1	2	3	4	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	105600 ¹⁾

¹⁾ with 5500 lbs counterweight · avec contrepoids 5500 lbs



Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
220.5	7	14	2730
167.6	5	11	1540
110.2	3	7	1540
48.5	1	3	990
16.5	–	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	1.28 – 3.7	4.8	6.2	8	10.1	13	17	21.9	28.2	36.2	46	50	1.4 – 4	5.2	48 %
525/80 R 25 (20.5 R 25)		0.3 – 0.9	1.2	1.5	1.9	–	–	–	–	–	–	–	–	0.3 – 1	1.2	61 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / length Diamètre / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 377 ft/min single line ft/min au brin simple	0'7" / 820'	17310 lbs
	0 – 377 ft/min single line ft/min au brin simple	0'7" / 820'	17310 lbs
	0 – 1.7 rpm		
	approx. 60 seconds to reach 82° boom angle env. 60 s jusqu'à 82°		
	approx. 400 seconds for boom extension from 38 ft – 197 ft env. 400 s pour passer de 38 ft – 197 ft		

Lifting capacities Forces de levage

T

 ft		38 – 197 ft								85%																		 ft	
		38 ft		50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft										
		*																											
9			143.8	142.3	142.9	142.3															9								
10	223.4	141.8	141.6	141.4	141.2																10								
11	172.1	139.2	139	138.8	138.7	137.2															11								
12	164.6	136	135.9	135.6	135.6	134.9															12								
13	156.4	132.1	132.3	131.9	131.9	131	113.4														13								
14	148.6	126.2	126.7	126.6	126.5	126	113														14								
15	141.5	120.1	120.8	121.1	120.9	120.9	112.3														15								
16	134.8	114.5	115.3	115.5	115.8	115.5	110.7														16								
17	128.2	109.5	110.5	110.8	111.2	110.7	107.8	92.5													17								
18	121.8	105	106.2	106.7	106.8	106.2	104.1	92.6	76.5												18								
20	110.6	96.3	97.8	98.6	98.4	97.8	96.9	92.2	76												20								
22	101	89.2	90.6	91.9	92	91.6	90.9	88	75.6	62.1	50.7										22								
24	93	82.6	84.2	85.6	85.9	85.6	84.9	83.2	74.9	61.7	50.5										24								
26	85.8	76.4	78.5	79.7	80.1	79.9	79	77.8	74	61.3	51.1										26								
28	78.7		73.5	74.6	74.9	74.7	73.9	72.9	70.2	60.7	50.9	36.6	42.2								28								
30	62.9		68.6	69.7	69.9	69.7	69	68.2	66	59.8	50.6	36	42								30								
32			63.9	65.1	65.5	65.3	64.5	64.1	61.9	58.2	50.4	35.3	41.8	30.9	35.1	27.8	28.7				32								
34			59.6	60.9	61.3	61	60.2	60.1	58.2	55.5	49.7	34.7	41.6	30.7	34.9	27.6	28.6				34								
36			55.5	56.8	57.3	56.8	56.2	56.2	54.8	52.2	48.8	34.2	41.5	30.4	34.6	27.4	28.5	23.6			36								
38				53.5	53.8	53.5	53.3	53.3	51.5	49	46	33.5	40.9	30	34.5	27.2	28.3	23.6			38								
40				50.3	50.5	50.3	50.6	50.5	48.4	46	43.5	32.9	40.1	29.6	34.3	27.1	28.2	23.6			40								
45				43.6	44	43.6	44.6	43.8	42.7	40.5	39	31.2	36.6	28.4	33.5	26.6	27.8	23.2			45								
50					38.4	38.9	39.1	38.5	37.6	36.3	34.7	29.5	32.9	27.3	30.7	25.8	27.2	23			50								
55					33.7	34.8	34.4	34.1	33.3	32.5	31.1	27.8	29.7	26	27.9	24.9	26	22.6			55								
60					30	30.9	30.5	30.5	29.8	29	28.1	26.2	26.8	24.7	25.5	23.8	24	21.8			60								
65						27.5	27.1	27.5	26.6	26.2	25.3	24.7	23.9	23.3	22.8	22.4	21.3	20.7			65								
70						24.8	24.8	24.9	24.5	23.9	22.9	22.6	21.5	21.2	20.4	20.2	19	18.6			70								
75							22.7	22.5	22.4	21.7	20.7	20.5	19.4	19.2	18.4	18.1	17	16.6			75								
80							20.7	20.3	20.3	19.6	18.7	18.5	17.4	17.4	16.6	16.3	15.2	14.8			80								
85								18.6	18.4	18	16.9	16.9	15.8	15.8	14.9	14.7	13.6	13.3			85								
90								16.9	16.7	16.3	15.5	15.3	14.2	14.2	13.4	13.3	12.2	11.8			90								
95									15.3	14.8	14.2	14	12.9	12.9	12.1	12.1	10.8	10.5			95								
100									14	13.5	12.9	12.9	11.8	11.8	10.9	10.9	9.6	9.4			100								
105									12.8	12.1	11.7	11.7	10.8	10.6	9.9	9.7	8.6	8.4			105								
110										11.1	10.7	10.7	9.8	9.7	8.9	8.9	7.8	7.5			110								
115										10.2	9.8	9.8	8.9	8.9	8	8	6.9	6.7			115								
120											8.9	8.9	8.1	8.1	7.2	7.2	6.1	5.9			120								
125											8.1	8.1	7.2	7.2	6.6	6.4	5.3	5			125								
130											7.3	7.4	6.4	6.6	5.7	5.7	4.6	4.5			130								
135												6.8	5.7	5.9	5	5.1	4	3.9			135								
140													5.1	5.2	4.4	4.6	3.5	3.3			140								
145													4.5	4.6	3.9	3.9	2.8	2.8			145								
150														4.1	3.2	3.4	2.3	2.3			150								
155															2.7	2.9					155								
160																2.4					160								

Lifting capacities Forces de levage

T

38 – 197 ft T 360° 37900 lbs 85%																			
ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft	ft	
9	153.1	151.2	144.3															9	
10	151.9	150.7	144.3	143.7														10	
11	145.2	144.7	142	142.3	136.8													11	
12	138.2	138	137.3	137.8	133.8													12	
13	130.8	130.8	130.3	130.5	129.1	113.4												13	
14	124.3	124.8	124.7	124.9	124.2	113												14	
15	118.2	119.1	119.3	119.5	119.1	112.1												15	
16	112.8	113.7	114	114.2	113.7	109.8	92.3											16	
17	107.9	108.9	109.2	109.4	108.9	106.1	91.9											17	
18	103.3	104.5	104.9	105	104.5	101.5	91	76.5										18	
20	94.2	95.8	96.6	96.6	95.9	92.4	88.2	75.5										20	
22	86.1	88.3	89.6	89.7	88.9	84.1	80	72	62.1	50.7								22	
24	78.5	81	82.5	82.7	81.3	76.4	72.9	67.8	60.8	50.5								24	
26	71.2	73.9	75.4	75.6	73.1	69.4	66.7	62.8	58.7	51.1								26	
28		68.1	69.6	69.6	66.7	64	61.3	58.3	55	49.4	36.6	42.2						28	
30		62.8	64.1	63.8	60.8	59	56.3	54	51.2	47.2	36	41.9						30	
32		57.8	59.3	58.6	55.8	54.8	52	50.2	47.7	44.7	35.3	40.9	30.9	35.1	27.8	28.7		32	
34		53.4	54.9	54	52.1	51	48.6	46.9	44.7	42.2	34.7	39.4	30.7	34.7	27.6	28.6		34	
36		49.3	50.9	49.8	49.3	47.3	45.8	43.8	42	39.8	34.2	37.6	30.4	34.2	27.4	28.5	23.6	36	
38			47.5	46.4	46.2	44.2	42.8	41.1	39.7	37.9	33.5	35.7	30	32.8	27.2	28.3	23.6	38	
40			44.4	43.4	43.3	41.4	40.1	38.6	37.5	36	32.8	33.8	29.6	31.3	27.1	27.9	23.6	40	
45			37.6	37.7	36.9	35.9	34.9	33.8	32.5	31.1	30.2	29.3	28.3	27.8	26.6	25.6	23.2	45	
50				33	32	31.7	30.5	29.6	28.4	27.1	26.8	25.4	25.1	24.1	23.7	22.4	21.4	50	
55				28.8	28.1	28	26.8	26	24.9	23.6	23.4	22.2	21.9	20.9	20.7	19.4	18.9	55	
60				25	24.8	24.6	23.7	22.9	21.8	20.7	20.5	19.4	19.2	18.3	18.1	16.8	16.3	60	
65					22	21.9	21.1	20.4	19.3	18.4	18.2	17	16.8	15.9	15.7	14.6	14.2	65	
70					19.4	19.8	19	18.2	17.2	16.3	16.1	15	14.9	14	13.8	12.7	12.4	70	
75						17.8	17	16.3	15.4	14.5	14.4	13.3	13.3	12.4	12.2	11.1	10.8	75	
80						15.9	15.3	14.7	13.8	12.9	12.9	11.8	11.7	10.9	10.7	9.6	9.4	80	
85							13.8	13.3	12.4	11.5	11.5	10.4	10.2	9.6	9.3	8.2	8	85	
90							12.4	12	11.1	10.4	10.2	9.1	9	8.4	8.2	7.1	6.8	90	
95								10.7	10	9.2	9.1	8	8	7.3	7.1	6	5.8	95	
100								9.6	9	8.1	8.1	7	7	6.3	6.1	5	4.8	100	
105								8.6	8.2	7.3	7.3	6.2	6.2	5.3	5.3	4.2	4	105	
110									7.2	6.4	6.4	5.3	5.5	4.6	4.6	3.4	3.3	110	
115									6.3	5.7	5.7	4.6	4.7	4	4	2.6	2.6	115	
120										5	5	4	4	3.3	3.3			120	
125										4.4	4.4	3.5	3.5	2.6	2.6			125	
130										3.7	3.7	2.8	2.8	2.1	2.1			130	
135											3.2	2.3	2.3					135	

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Lifting capacities Forces de levage

T

38 – 197 ft T 360° 16800 lbs 85%																		
 ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft	 ft
9	149.8	143.6	137.5	136.8														9
10	144.9	142.7	137.3	136.7														10
11	137	136.1	134.2	134	129.7													11
12	129.5	129.7	129.6	129.2	126.3													12
13	122.6	123.4	123.5	122.5	121.2	107.9												13
14	116.5	117.3	117.5	117.2	115.3	104.2												14
15	110.7	111.5	111.6	112	108.7	99.2												15
16	105.2	106.3	106.2	106.3	100.4	91.7	84.7											16
17	99.7	101.2	101.3	100.7	93.9	86.2	81.3											17
18	94.3	95.9	96.8	94.9	88.6	82.2	77.2	69.9										18
20	83.7	85.8	87.5	83.8	78.4	74.2	69.3	65.4										20
22	75.1	77.8	77.6	74.1	69.4	66.8	62.4	59.2	54.4	46.7								22
24	66.5	69.7	68.8	65.7	62.4	60.1	56.6	53.8	50.5	44.7								24
26	57.7	61.6	61.1	58.4	57.3	54.1	51.7	49.1	46.6	43								26
28		54.5	55.1	53.1	52.3	49.2	47.7	45.4	43.1	40.5	34.8	37.3						28
30		47.9	49.5	48.3	47.6	45	44	42	39.9	37.9	34.2	35.1						30
32		42.7	44.4	44.8	43.5	42.3	40.6	39	36.9	35.1	33.2	32.7	29.6	30.3	26.5	26.8		32
34		38.2	40	41.3	40.1	39.4	37.6	36.1	34.2	32.4	31.6	30.3	28.7	28.6	26	25.7		34
36		34.3	36.1	37.6	37	36.3	35	33.4	31.6	29.9	29.4	27.9	27.4	26.3	25.2	24.1	22.1	36
38			33	34.5	34.3	33.8	32.5	31.1	29.5	27.8	27.4	25.9	25.4	24.4	23.6	22.4	20.6	38
40			30.2	31.7	31.7	31.6	30.3	29	27.5	25.9	25.5	24	23.6	22.7	22	20.7	19.2	40
45			24.6	26.2	26.2	26.7	25.4	24.4	23.1	21.7	21.5	20.1	19.9	18.8	18.3	17	15.8	45
50				21.9	21.9	22.5	21.7	20.9	19.7	18.5	18.3	16.9	16.7	15.8	15.3	14.1	13.2	50
55				18.3	18.4	19	18.6	17.8	16.8	15.7	15.6	14.3	14.1	13.2	12.8	11.7	10.9	55
60				15.5	15.7	16.1	15.9	15.3	14.4	13.3	13.3	12	12	11.1	10.7	9.6	8.9	60
65					13.3	13.9	13.7	13.3	12.4	11.5	11.3	10.2	10.2	9.3	9	7.9	7.3	65
70					11.4	12.1	11.8	11.5	10.7	9.9	9.7	8.6	8.6	7.7	7.6	6.4	5.9	70
75						10.4	10.2	10	9.2	8.5	8.4	7.3	7.3	6.4	6.3	5.1	4.7	75
80						9	8.7	8.5	7.9	7.2	7.2	6.1	6.1	5.3	5	3.9	3.7	80
85							7.6	7.4	6.9	6	6	4.9	4.9	4.3	4	2.9	2.7	85
90							6.6	6.3	5.7	5.2	5.2	4.1	4.1	3.2	3.2			90
95								5.4	4.8	4.3	4.3	3.2	3.3	2.4	2.4			95
100								4.6	4	3.5	3.5							100
105								3.8	3.3	2.9	2.9							105
110									2.6	2.2	2.2							110
115									2.1									115

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Lifting capacities Forces de levage

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	ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft		ft									
9		149.4	143.5	137.5	136.8														9										
10		144	142.4	137.2	136.6														10										
11		136.1	135.6	133.6	133.6	128.6													11										
12		128.7	128.9	128.7	128.4	123.8													12										
13		121.9	122.5	122.7	121.5	116.8	104.6												13										
14		115.5	116.3	116.5	114.4	107	96.5												14										
15		109.2	110.3	110.3	106.9	97.6	88.7												15										
16		102.9	104.7	104	98.3	90.6	84.2	79.1											16										
17		97	99.2	97.7	91.4	84.6	79.9	74.6											17										
18		91.4	93.5	91.4	85.6	79.4	75.5	70.4	64.5										18										
20		80.4	82.3	79.3	74.4	69.5	67	62.3	59.2										20										
22		70.2	71.6	69.1	65.6	62.8	59.6	56.3	53.2	49.4	41.9								22										
24		60.3	62.3	60.6	58.4	56.5	53.6	51	48.3	45.2	39.5								24										
26		50.8	54.5	53.8	52.9	50.6	48.9	46.4	44.4	41.7	38.7								26										
28			47.9	48.3	48	45.9	44.6	42.4	40.5	38.2	35.8	33.9	33.2						28										
30			41.9	43.3	43.4	41.7	40.6	38.7	36.8	34.8	32.7	32	30.3						30										
32			37.2	38.8	39.5	37.9	37.1	35.3	33.7	31.8	30	29.3	27.7	26.6	25.2	24.8	23.4		32										
34			33.2	35	36.1	34.6	34	32.4	30.9	29.2	27.5	26.9	25.4	25	23.7	23.1	21.7		34										
36			29.7	31.5	33	31.7	31.2	29.9	28.3	26.8	25.2	24.8	23.2	22.8	21.7	21	19.7	18.4	36										
38				28.6	30.2	29.2	28.9	27.6	26.3	24.8	23.3	22.9	21.5	21	20.1	19.4	18.1	16.8	38										
40				26	27.6	27	26.8	25.5	24.4	22.9	21.6	21.2	19.8	19.4	18.5	17.9	16.6	15.3	40										
45				20.8	22.4	22.3	22.4	21.3	20.4	19	17.9	17.6	16.3	16.1	15	14.7	13.4	12.4	45										
50					18.4	18.4	18.9	18	17.2	16.1	15	14.8	13.6	13.4	12.3	12.1	10.9	10	50										
55					15.3	15.3	15.9	15.4	14.6	13.6	12.6	12.4	11.3	11.1	10.1	9.9	8.7	8	55										
60					12.9	12.9	13.5	13.1	12.4	11.4	10.5	10.3	9.2	9.2	8.3	8.1	6.8	6.3	60										
65						10.8	11.5	11.1	10.6	9.7	8.8	8.8	7.5	7.5	6.6	6.6	5.3	4.8	65										
70						9.1	9.8	9.5	9	8.2	7.4	7.3	6.1	6.2	5.4	5.2	4	3.6	70										
75							8.3	8	7.7	6.8	6.2	6	4.9	5.1	4.2	4.1	2.9		75										
80							7	6.6	6.5	5.7	5	5	3.9	3.9	3.1	3.1			80										
85								5.6	5.4	4.7	4	4	2.9	2.9		2			85										
90								4.7	4.5	3.8	3.2	3.2		2.2					90										
95									3.7	3.1	2.4	2.4							95										
100										2.9	2.4								100										
105											2.4								105										

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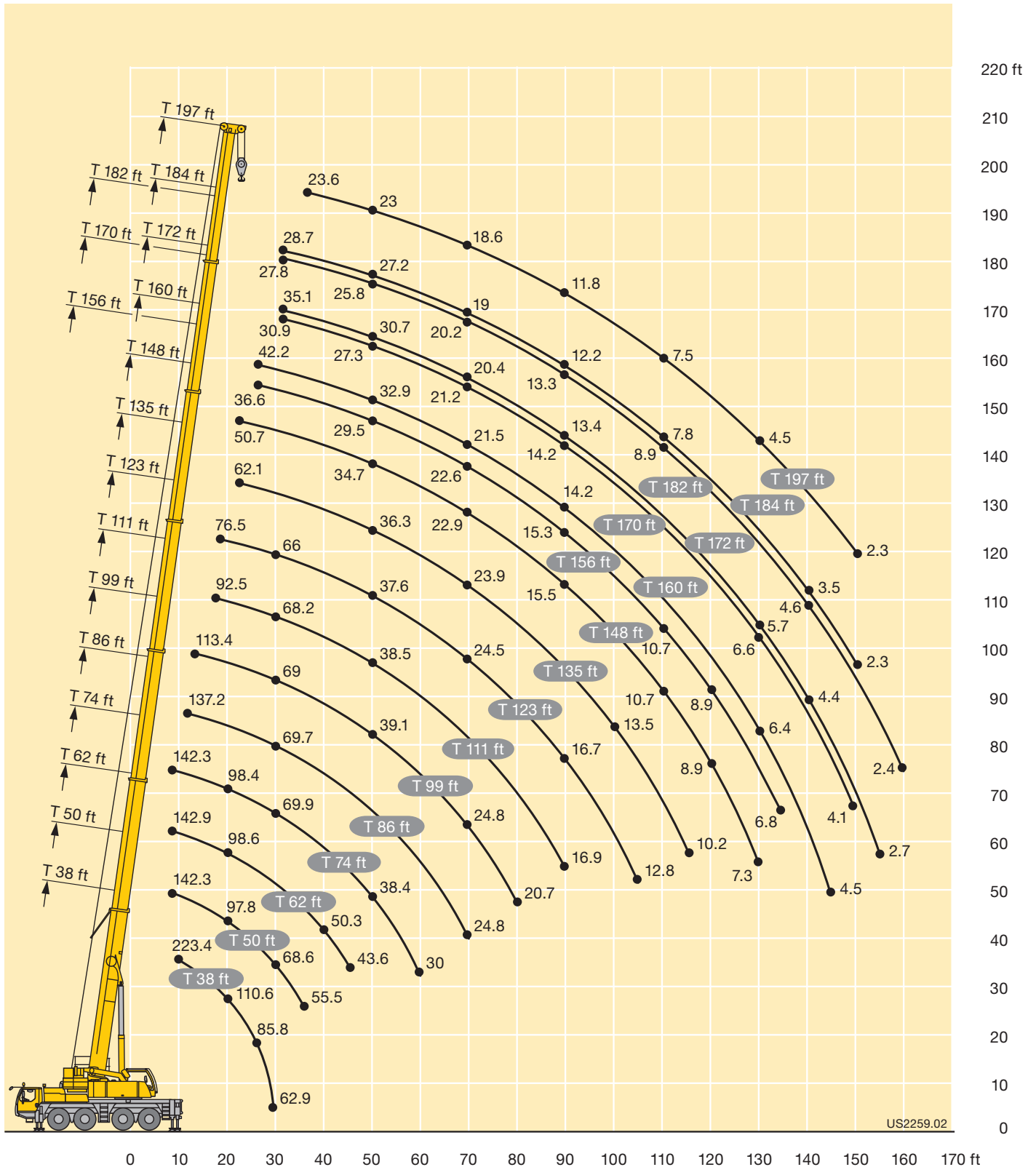
Lifting capacities Forces de levage

T

		 38 – 197 ft				 360°		 5500 lbs		 85%																	
 ft		38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft	 ft								
9	149.3	143.4	137.5	136.8															9								
10	143.8	142.2	137.2	136.6															10								
11	135.9	135.2	133.4	133.2	126.9														11								
12	128.4	128.5	128.4	127.6	120.6														12								
13	121.3	122.1	122.2	119.8	112.2	100.1													13								
14	114.7	115.6	116.1	110.7	102	93.1													14								
15	108.2	109.3	109.4	101.6	92.7	86.4													15								
16	101.5	103.4	101.2	93.2	86.7	81.7	75.6												16								
17	95.4	97.1	94	86.5	81.4	77	71.3												17								
18	89.8	90.7	87.5	81	76.7	72.4	67.4	60.8											18								
20	78.5	78.1	75	70.6	67.6	63.5	59.9	56											20								
22	67	67.5	65.3	62.4	59.9	56.4	54	50.5	47.2	39.2									22								
24	56.8	58.6	57.2	55.6	53.4	50.6	48.7	45.8	43	36.6									24								
26	47.6	51.4	50.6	50.1	47.9	46.2	44	41.7	39.1	36.2									26								
28		45.2	45.5	45.3	43.3	42	39.9	37.8	35.5	33.3	32.3	30.8							28								
30		39.5	40.7	40.8	39.1	38	36.1	34.2	32.2	30.3	29.6	28.1							30								
32		34.9	36.5	36.9	35.4	34.7	32.8	31.3	29.4	27.7	27.1	25.5	24.4	23.2	22.8	21.2			32								
34		31	32.8	33.5	32.2	31.7	30.1	28.8	26.9	25.4	24.8	23.3	22.9	21.7	21.2	19.7			34								
36		27.5	29.3	30.6	29.2	29	27.7	26.3	24.8	23.2	22.8	21.3	21	19.7	19.3	17.9	16.4		36								
38			26.5	28	26.9	26.8	25.5	24.3	22.9	21.4	21	19.6	19.3	18.2	17.6	16.3	15		38								
40			24.1	25.6	24.8	24.8	23.5	22.4	21.1	19.6	19.4	18.1	17.7	16.8	16.2	14.8	13.8		40								
45			19	20.6	20.6	20.6	19.5	18.6	17.4	16.3	16.1	14.7	14.5	13.6	13.1	11.8	10.9		45								
50				16.9	17	17.4	16.4	15.7	14.6	13.5	13.4	12.1	12	11	10.7	9.5	8.6		50								
55				14	14	14.6	13.9	13.2	12.1	11.1	11.1	9.9	9.9	8.8	8.6	7.5	6.7		55								
60				11.6	11.7	12.2	11.8	11.2	10.1	9.2	9.2	8.1	8.1	7	6.8	5.7	5.1		60								
65					9.7	10.4	9.9	9.5	8.6	7.7	7.7	6.4	6.6	5.5	5.5	4.4	3.9		65								
70					8.2	8.7	8.4	7.9	7.2	6.3	6.3	5.1	5.2	4.3	4.3	3	2.7		70								
75						7.3	7.1	6.7	6	5.1	5.2	4.1	4.1	3.2	3.2				75								
80							6.1	5.9	5.7	4.8	4	4.2	3.1	3.1					80								
85								4.7	4.7	3.8	3.1	3.2	2	2.3					85								
90								3.8	3.8	3.1	2.3	2.5							90								
95									3	2.4									95								
100									2.3										100								

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Lifting capacities Forces de levage

TK/TNZK

38 – 197 ft T 35 ft   360°  62200 lbs 85%																			
 ft	38 ft			111 ft			123 ft			135 ft			148 ft			160 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°	
9	32.6																		9
10	32.6																		10
11	32.6																		11
12	32.6																		12
13	32.6																		13
14	32.6																		14
15	32.6																		15
16	32.6	30.9																	16
17	32.5	30.3																	17
18	32.2	29.7		32.6															18
20	31.6	28.5		32.6															20
22	30.5	27.4		32.6			32.6												22
24	29.5	26.3		32.6			32.6												24
26	28.6	25.3	22.8	32.6			32.6			29.6			26.2						26
28	27.5	24.5	22.1	32.6	30.5		32.6			29.3			26.1			22.4			28
30	26.4	23.8	21.5	32.6	30.3		32.6			29.1			26			22.3			30
32	25.4	23	20.9	32.6	29.8		32.6	28.8		28.9			26			22.3			32
34	24.3	22.3	20.4	32.6	29.2		32.5	28.4		28.8			25.9			22.3			34
36	23.2	21.6	19.9	32.6	28.7		32.2	28		28.7			25.8			22.3			36
38	22.3	21.1	19.5	32.6	28.2	22.9	31.8	27.5		28.3	26		25.7			22.1			38
40	21.3	20.6	19.1	32.5	27.6	22.6	31.4	27		27.9	25.7		25.5			22			40
45	19	19.2	18.4	31.9	26.3	22	30.2	26	21.7	27.2	24.7	21	25	23.7		21.9	21.5		45
50	17.2	18.1	17.8	30.8	25.2	21.3	29.2	25	21.1	26.6	23.9	20.5	24.5	23	20.1	21.6	21.1		50
55				29	24.2	20.7	27.3	24.1	20.5	25.7	23.2	20.1	23.7	22.4	19.7	21.2	20.7	18.8	55
60				26.6	23.2	20.2	24.6	23.2	20	24.2	22.4	19.8	22.4	21.7	19.3	20.8	20.2	18.5	60
65				23.7	22.4	19.7	21.7	22.4	19.7	21.7	21.7	19.2	20.9	21	19	19.8	19.9	18.1	65
70				21.2	21.5	19.2	19.2	20.5	19.2	20.5	20.3	18.9	19.4	19.9	18.7	18.3	18.8	17.9	70
75				18.9	20	18.8	17	18.5	18.6	19	19	18.5	17.7	18.6	18.1	16.9	17.5	17.5	75
80				17	18.1	18.3	15.4	16.5	17.6	17.2	17.8	17.8	16.1	17.2	17.4	15.6	16.1	16.7	80
85				15.3	16.4	17.3	14.6	14.7	15.8	15.5	16.6	16.8	15.1	15.5	16.4	14.4	14.4	15.5	85
90				13.8	14.7	15.5	13.9	13.5	14.1	14.5	15.1	15.7	14	14	14.9	13.1	13.5	14	90
95				12.4	13.3	13.9	13.3	12.7	12.8	13.6	13.7	14.4	12.9	13.1	13.5	11.8	12.6	12.8	95
100				11.2	12	12.6	12.6	12.2	12	12.7	12.6	13.1	11.8	12.5	12.4	10.7	11.5	11.9	100
105				10.1	10.8	11.2	12.1	11.7	11.5	11.7	11.9	11.9	10.8	11.5	11.9	9.7	10.4	11.2	105
110				9.1	9.8	10.1	11.3	11.2	11.1	10.7	11.2	11.4	9.8	10.5	10.9	8.7	9.4	10.2	110
115				8.1	8.8	8.9	10.4	10.6	10.7	9.8	10.3	10.7	8.9	9.6	10	7.8	8.5	9.2	115
120				7.2	7.8	7.8	9.6	9.9	10	8.9	9.4	9.8	8.1	8.7	9.2	7	7.7	8.3	120
125				6.3	6.8	6.7	8.8	9.2	9.2	8.1	8.5	8.8	7.2	7.9	8.3	6.4	7	7.5	125
130				5.5	5.9		7.9	8.4	8.4	7.4	7.7	7.9	6.7	7.2	7.5	5.7	6.2	6.8	130
135							7.2	7.7	6.9	6.8	7	7.2	6.1	6.6	6.8	5	5.5	6.1	135
140										6.1	6.3	6.5	5.4	5.9	6.1	4.4	4.9	5.4	140
145										5.5	5.7	5.8	4.8	5.2	5.4	3.9	4.3	4.8	145
150										4.9	5.2	4.8	4.3	4.5	4.8	3.4	3.8	4.1	150
155													3.8	4	4.1	2.9	3.3	3.6	155
160													3.3	3.5		2.4	2.8	3	160
165													2.8	3		1.9	2.1	2.3	165
170																1.4	1.8	1.8	170

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Lifting capacities Forces de levage

TK/TNZK

38 – 197 ft  35 ft   360°  62200 lbs  85% 																
 ft	170 ft			172 ft			182 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	15.7			18.8												32
34	15.7			18.7												34
36	15.7			18.7			14.1			14.8						36
38	15.7			18.7			14.1			14.8			12.4			38
40	15.7			18.7			14.1			14.8			12.4			40
45	15.7			18.7			14.1			14.8			12.4			45
50	15.5	15.6		18.6	18.6		14.1	14.1		14.6	15		12.4			50
55	15.3	15.3		18.4	18.4	17.6	14	14		14.6	14.9		12.4	12.4		55
60	15	14.9	14.7	18.2	18.3	17.4	13.9	13.9		14.5	14.7		12.3	12.4		60
65	14.8	14.4	14.2	17.9	18.1	17.2	13.7	13.7	13.7	14.4	14.6	14.4	12.2	12.4	12.1	65
70	14.5	13.9	13.8	16.8	17.6	16.9	13.5	13.4	13.4	14.3	14.3	13.9	12	12.4	12	70
75	14.1	13.5	13.4	15.8	16.5	16.6	13.4	13	12.9	14.1	13.9	13.5	11.9	12.2	11.9	75
80	13.5	13.1	12.9	14.8	14.9	15.9	13.1	12.7	12.5	13.4	13.5	13.1	11.8	11.9	11.9	80
85	13	12.6	12.6	13.3	13.5	14.4	12.6	12.4	12.2	12.4	13	12.8	11.3	11.7	11.7	85
90	12.5	12.3	12.1	12	12.8	13.1	11.8	12	11.8	11.1	12.1	12.5	10.5	11.2	11.4	90
95	11.7	11.9	11.7	10.7	11.9	12.3	10.7	11.5	11.5	9.8	11	11.7	9.4	10.4	10.9	95
100	10.7	11.4	11.4	9.6	10.9	11.5	9.6	10.7	11	8.7	9.8	10.7	8.3	9.4	10.2	100
105	9.5	10.4	11	8.6	9.7	10.4	8.6	9.5	10.4	7.7	8.6	9.5	7.3	8.4	9	105
110	8.6	9.4	10	7.8	8.7	9.4	7.8	8.6	9.4	6.7	7.6	8.5	6.4	7.4	8	110
115	7.8	8.5	9.1	6.9	7.8	8.5	6.9	7.7	8.3	5.8	6.7	7.5	5.6	6.5	7.1	115
120	7	7.6	8.3	6.1	7	7.6	6.1	6.8	7.4	5	5.9	6.5	4.8	5.6	6.3	120
125	6.1	6.8	7.4	5.3	6.1	6.8	5.3	6.1	6.6	4.4	5.2	5.7	4.1	4.8	5.5	125
130	5.5	6.1	6.6	4.6	5.5	5.9	4.8	5.5	5.9	3.7	4.4	5	3.5	4.1	4.8	130
135	4.9	5.5	5.9	4	4.8	5.2	4.1	4.8	5.2	3.2	3.8	4.3	2.8	3.5	4.1	135
140	4.4	4.9	5.2	3.5	4.2	4.6	3.5	4.1	4.6	2.6	3.2	3.7	2.2	2.9	3.5	140
145	3.9	4.3	4.6	3	3.7	3.9	3	3.5	3.9	2.1	2.6	3		2.4	2.8	145
150	3.4	3.8	4.1	2.5	3.2	3.4	2.5	3	3.4	1.6	2.1	2.3		1.9	2.3	150
155	2.9	3.3	3.6	2	2.7	2.9	2	2.5	2.8		1.6	1.8			1.8	155
160	2.4	2.8	3		2.2	2.4		2	2.3							160
165	1.9	2.3	2.3													165
170	1.6	1.8	1.8													170

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Lifting capacities Forces de levage

TK/TNZK

38 – 197 ft T 62 ft   360°  62200 lbs  85% 																			
 ft	38 ft			111 ft			123 ft			135 ft			148 ft			160 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°	
9	14.7																		9
10	14.5																		10
11	14.4																		11
12	14.3																		12
13	14.1																		13
14	14.1																		14
15	14.1																		15
16	13.9																		16
17	13.8																		17
18	13.6																		18
20	13.2																		20
22	12.9																		22
24	12.7																		24
26	12.4																		26
28	12.1																		28
30	11.8	11																	30
32	11.6	10.7																	32
34	11.3	10.4																	34
36	11	10.2																	36
38	10.9	10																	38
40	10.7	9.9																	40
45	10.2	9.4																	45
50	9.7	9																	50
55	9.2	8.7	8																55
60	8.7	8.3	7.7																60
65	8.2	8	7.7																65
70	7.7	7.8	7.6	11	9.3	8.2	11	9.3	8.2	10.7	9.2	8	10.4	9.1	8	10	8.9		70
75	7.2	7.7	7.5	10.6	9.2	8.1	10.6	9.2	8.1	10.4	8.9	7.9	10.2	8.9	7.9	9.7	8.7	7.8	75
80	6.8	7.7	7.5	10.3	9	7.9	10.3	9	7.9	10.1	8.8	7.9	9.9	8.8	7.9	9.4	8.6	7.7	80
85	6.4			10.2	8.6	7.7	10.2	8.8	7.7	9.9	8.6	7.7	9.7	8.6	7.7	9.3	8.4	7.7	85
90				9.8	8.4	7.7	9.8	8.7	7.7	9.8	8.4	7.7	9.5	8.4	7.7	9.3	8.4	7.6	90
95				9.5	8.4	7.7	9.6	8.5	7.7	9.6	8.4	7.7	9.4	8.4	7.6	9.1	8.3	7.5	95
100				9.2	8.3	7.7	9.4	8.3	7.7	9.4	8.3	7.7	9.2	8.3	7.5	8.8	8.1	7.5	100
105				9	8.2	7.5	9	8.2	7.5	9	8.2	7.5	8.8	8.2	7.5	8.6	7.9	7.5	105
110				8.7	8	7.5	8.5	8	7.5	8.7	8	7.5	8.7	8	7.5	8.3	7.9	7.5	110
115				8.4	7.9	7.5	8.2	7.9	7.5	8.5	7.9	7.5	8.4	7.9	7.5	8	7.8	7.5	115
120				8	7.9	7.5	7.9	7.8	7.5	8.3	7.9	7.5	8	7.9	7.5	7.6	7.7	7.5	120
125				7.7	7.7	7.5	7.7	7.5	7.5	7.9	7.7	7.5	7.7	7.7	7.5	6.8	7.5	7.5	125
130				7	7.5	7.5	7.4	7.1	7.3	7.6	7.5	7.5	7.2	7.4	7.5	6.1	7.1	7.3	130
135				6.3	7	7.2	7.2	6.9	7.2	7.2	7.2	7.5	6.6	7.2	7.2	5.6	6.6	7	135
140				5.7	6.3	6.7	6.9	6.8	7	6.8	6.9	7.3	6	6.8	7	5.1	6	6.6	140
145				5	5.7	5.8	6.6	6.6	6.8	6.1	6.6	6.8	5.5	6.3	6.8	4.6	5.4	6.1	145
150				4.3	5	5	6.2	6.4	6.6	5.6	6.2	6.5	4.9	5.6	6.3	4.1	4.8	5.4	150
155				3.8	4.3		5.8	6.1	6.2	5.1	5.8	6	4.4	5.1	5.6	3.6	4.2	4.9	155
160							5.3	5.7		4.6	5.3	5.4	3.9	4.6	5	3.1	3.8	4.4	160
165							4.8	5.2		4.1	4.7	4.8	3.5	4.1	4.5	2.6	3.4	3.9	165
170							4.5			3.8	4.1	4.3	3.1	3.6	4	2.3	2.9	3.4	170
175										3.3	3.7		2.6	3.2	3.4	1.9	2.4	2.9	175
180													2.2	2.8	2.8		2	2.4	180
185													1.9	2.3	2.3				185
190													1.6	1.8					190

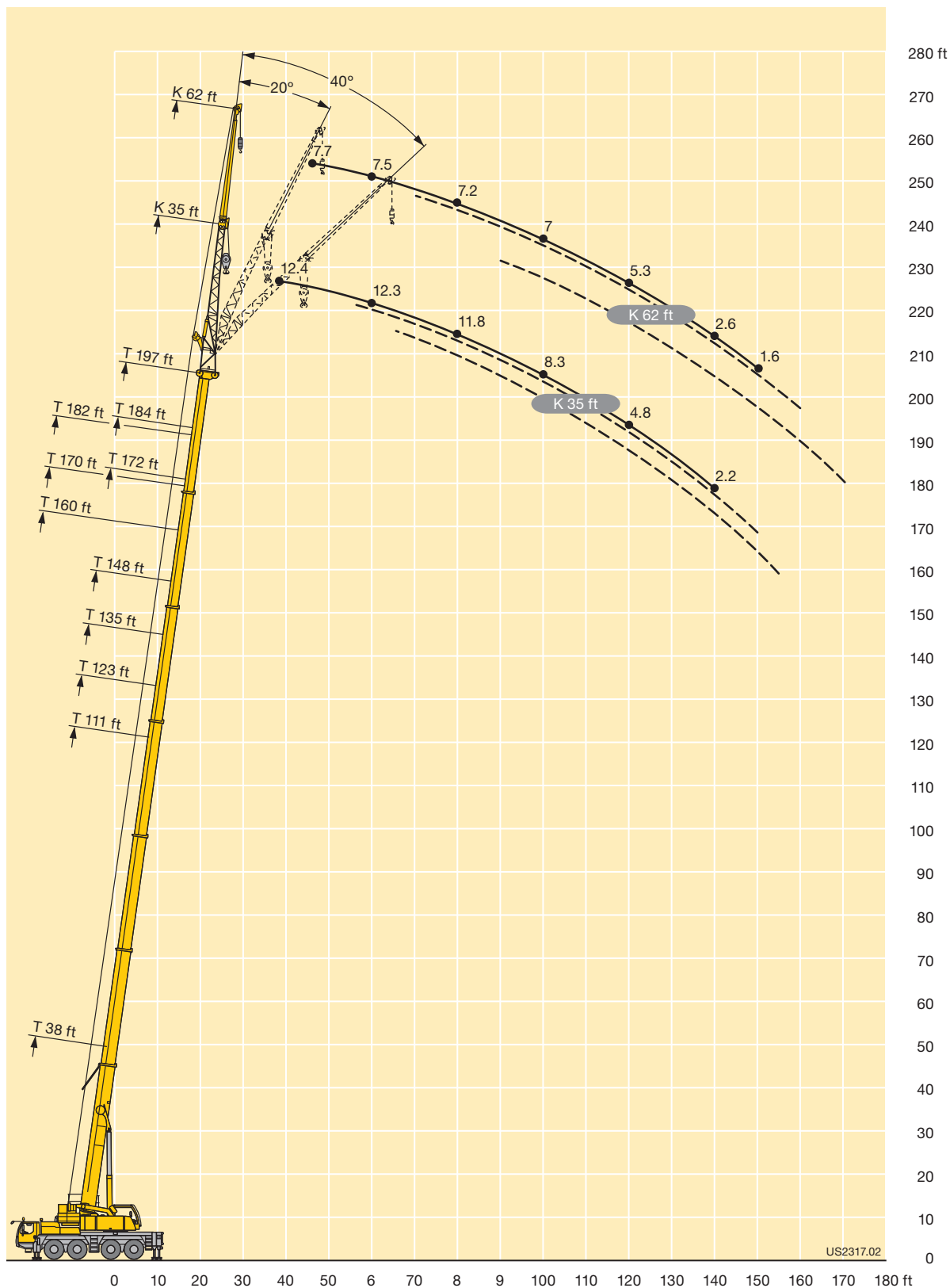
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Lifting capacities Forces de levage

TK/TNZK

38 – 197 ft 62 ft K NZK 360° 62200 lbs 85%																
ft	170 ft			172 ft			182 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												36
38	9.3			10												38
40	9.2			9.9												40
45	9.1			9.9			8.4			8.8			7.7			45
50	8.9			9.8			8.4			8.7			7.6			50
55	8.8			9.6			8.3			8.6			7.5			55
60	8.8			9.5			8.2			8.6			7.5			60
65	8.6	8.2		9.3	8.6		8.2	7.9		8.4	8		7.5			65
70	8.6	8.2		9.3	8.5		8	7.8		8.4	7.9		7.4	7.3		70
75	8.5	8.1		9.2	8.4	7.7	7.9	7.7		8.3	7.8		7.3	7.3		75
80	8.3	7.9		9	8.3	7.7	7.9	7.7		8.2	7.7		7.2	7.2		80
85	8.2	7.9	7.5	8.8	8.2	7.5	7.9	7.5	7.3	8.2	7.7	7.3	7.1	7.1		85
90	8.2	7.8	7.5	8.7	8	7.5	7.8	7.5	7.3	8	7.7	7.3	7.1	7.1	7.1	90
95	8.1	7.7	7.4	8.5	7.9	7.5	7.7	7.5	7.3	7.9	7.6	7.3	7.1	7.1	7.1	95
100	7.9	7.7	7.3	8.3	7.9	7.4	7.7	7.4	7.3	7.8	7.5	7.3	7	7.1	7.1	100
105	7.9	7.5	7.3	8.2	7.7	7.3	7.5	7.3	7.3	7.5	7.5	7.3	6.8	7.1	7.1	105
110	7.8	7.5	7.3	7.8	7.7	7.3	7.3	7.3	7.3	7	7.3	7.3	6.5	6.9	7.1	110
115	7.6	7.5	7.3	7.3	7.6	7.3	6.9	7.3	7.3	6.3	7.3	7.3	5.9	6.7	7.1	115
120	7.2	7.4	7.3	6.6	7.4	7.3	6.4	7.2	7.2	5.5	7	7.2	5.3	6.4	7	120
125	6.6	7.3	7.3	5.9	7.2	7.3	5.7	7	7	4.8	6.4	7	4.6	5.9	6.8	125
130	5.9	6.9	7.1	5.2	6.6	7.3	5	6.3	6.9	4.1	5.7	6.5	3.9	5.2	6.3	130
135	5.4	6.3	6.9	4.7	5.9	6.8	4.5	5.7	6.5	3.6	5	5.9	3.2	4.6	5.7	135
140	4.8	5.7	6.5	4.2	5.2	6.1	4	5	5.9	3.1	4.3	5.2	2.6	4	5	140
145	4.1	5.2	5.9	3.7	4.6	5.4	3.5	4.3	5.2	2.6	3.7	4.5	2.1	3.4	4.3	145
150	3.6	4.5	5.4	3.2	4.1	4.8	3	3.8	4.7	2.1	3.2	3.9	1.6	2.8	3.7	150
155	3.3	4	4.7	2.7	3.6	4.2	2.5	3.3	4.1	1.6	2.7	3.3		2.2	3.1	155
160	2.8	3.6	4.2	2.2	3.1	3.6	2	2.8	3.5		2.2	2.8		1.8	2.6	160
165	2.4	3.2	3.7	1.7	2.6	3		2.4	3			2.3			2.1	165
170	2	2.7	3.2	1.4	2	2.7		2	2.5			1.8			1.6	170
175	1.7	2.4	2.6		1.7	2.2		1.5	2							175
180		1.9	2.2			1.7										180
185			1.9													185
190			1.4													190

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		 38–197 ft T			 23 ft V			 35 ft K NZK						 360°			 62200 lbs			 85%						
 ft	38 ft + 23 ft			160 ft + 23 ft			170 ft + 23 ft			172 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			195 ft + 23 ft			197 ft + 23 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°		
9	12.4																							9		
10	12.4																							10		
11	12.4																							11		
12	12.4																							12		
13	12.4																							13		
14	12.4																							14		
15	12.3																							15		
16	12.2																							16		
17	12.1																							17		
18	12.1																							18		
20	12.1																							20		
22	11.8	12.4																						22		
24	11.6	12.3																						24		
26	11.5	12.1																						26		
28	11.4	11.9																						28		
30	11.2	11.6																						30		
32	10.7	11.2	11.7																					32		
34	10.4	10.9	11.4																					34		
36	10.2	10.6	11	12.4																				36		
38	9.8	10.2	10.6	12.4				10.6			11.2													38		
40	9.4	9.8	10.3	12.3				10.6			11.2													40		
45	8.7	9	9.4	12.2				10.6			11.1		9.5			9.9		8.6		8.4				45		
50	8.1	8.3	8.7	12.1	12.4			10.6			11	11.2		9.5		9.9		8.5		8.2				50		
55	7.4	7.6	8	12	12.2			10.5	10.7		10.9	11.2		9.5	9.7	9.8	10.1	8.4	8.6	8.2	8.4			55		
60	6.7	7	7.4	11.9	11.8			10.3	10.6		10.8	11		9.5	9.7	9.7	10.1	8.4	8.6	8.2	8.4			60		
65	6.2	6.5	6.7	11.7	11.5	11.3		10.2	10.4	10.2	10.8	11	10.8	9.3	9.5	9.7	9.9	8.4	8.6	8.2	8.4			65		
70	5.7	6.1	6.3	11.4	11.2	11	10	10.1	9.9	10.7	10.7	10.5	10.5	9.3	9.5	9.4	9.7	9.9	10	8.4	8.6	8.4	8.2	8.4	8.2	70
75	5.2	5.6		11.2	10.8	10.5	9.8	9.7	9.6	10.5	10.4	10.2	9.2	9.4	9.2	9.6	9.8	9.7	8.3	8.6	8.4	8.2	8.4	8.2	75	
80	4.7	4.9		10.9	10.5	10.1	9.7	9.4	9.4	10.3	10.1	9.8	9	9.2	9	9.5	9.6	9.4	8.2	8.6	8.4	8.1	8.3	8.2	80	
85				10.4	10	9.7	9.5	9.3	9.1	10.2	9.7	9.5	8.8	8.8	8.8	9.5	9.3	9.3	8.2	8.4	8.4	8	8.2	8.2	85	
90				10.1	9.6	9.4	9.2	8.9	8.7	9.8	9.4	9.3	8.7	8.7	8.5	9.3	9.1	8.9	8.2	8.2	8.2	7.9	8	8	90	
95				9.7	9.3	9.2	8.8	8.6	8.5	9.5	9.2	9.1	8.5	8.4	8.3	8.8	8.9	8.7	8	8	8.1	7.8	7.8	7.8	95	
100				9.3	8.9	8.9	8.5	8.3	8.3	9.1	8.9	8.7	8.3	8.1	8.1	8.1	8.7	8.5	7.6	7.7	7.9	7.5	7.7	7.7	100	
105				8.8	8.6	8.6	8.2	8.2	7.9	8.4	8.6	8.4	7.9	7.9	7.9	7.3	8.2	8.4	7.1	7.5	7.7	6.8	7.5	7.5	105	
110				8.3	8.3	8.3	7.8	7.8	7.8	7.5	8.3	8.2	7.3	7.6	7.6	6.4	7.3	7.9	6.2	7	7.4	6	6.8	7.3	110	
115				7.6	7.9	7.9	7.3	7.5	7.5	6.7	7.6	7.8	6.5	7.2	7.3	5.6	6.5	7.1	5.4	6.3	6.8	5.2	6	6.8	115	
120				6.8	7.5	7.6	6.5	7.1	7.2	5.9	6.7	7.2	5.7	6.5	6.9	4.8	5.6	6.3	4.6	5.5	6.1	4.4	5.3	6.1	120	
125				6.1	6.8	7.2	5.7	6.6	6.8	5.3	5.9	6.4	5	5.7	6.3	4.1	4.8	5.5	3.9	4.8	5.3	3.7	4.6	5.2	125	
130				5.5	6.1	6.6	5.2	5.7	6.3	4.6	5.2	5.7	4.4	5	5.5	3.5	4.1	4.8	3.3	4.1	4.6	3	3.9	4.4	130	
135				4.8	5.5	5.9	4.6	5.1	5.7	3.9	4.6	5	3.7	4.3	4.8	2.8	3.5	4.1	2.7	3.5	3.9	2.5	3.2	3.7	135	
140				4.2	4.8	5.2	4	4.6	5	3.3	3.9	4.3	3.1	3.8	4.2	2.2	2.9	3.5	2.1	2.8	3.3	1.9	2.6	3.1	140	
145				3.7	4.1	4.5	3.5	3.9	4.3	2.8	3.2	3.7	2.6	3.2	3.7		2.4	2.8		2.1	2.8		2.1	2.6	145	
150				3.2	3.6	3.9	3	3.4	3.8	2.3	2.7	3.2	2.1	2.7	3		1.9	2.3		1.6	2.1		1.6	2.1	150	
155				2.7	3.1	3.3	2.5	2.9	3.2	1.8	2.4	2.7	1.6	2.2	2.5			1.8			1.6				155	
160				2.3	2.6	2.8	2	2.4	2.7		2	2.2			2										160	
165				1.9	2.1	2.4		1.9	2.3																165	
170				1.4	1.8	2		1.6	1.8																170	

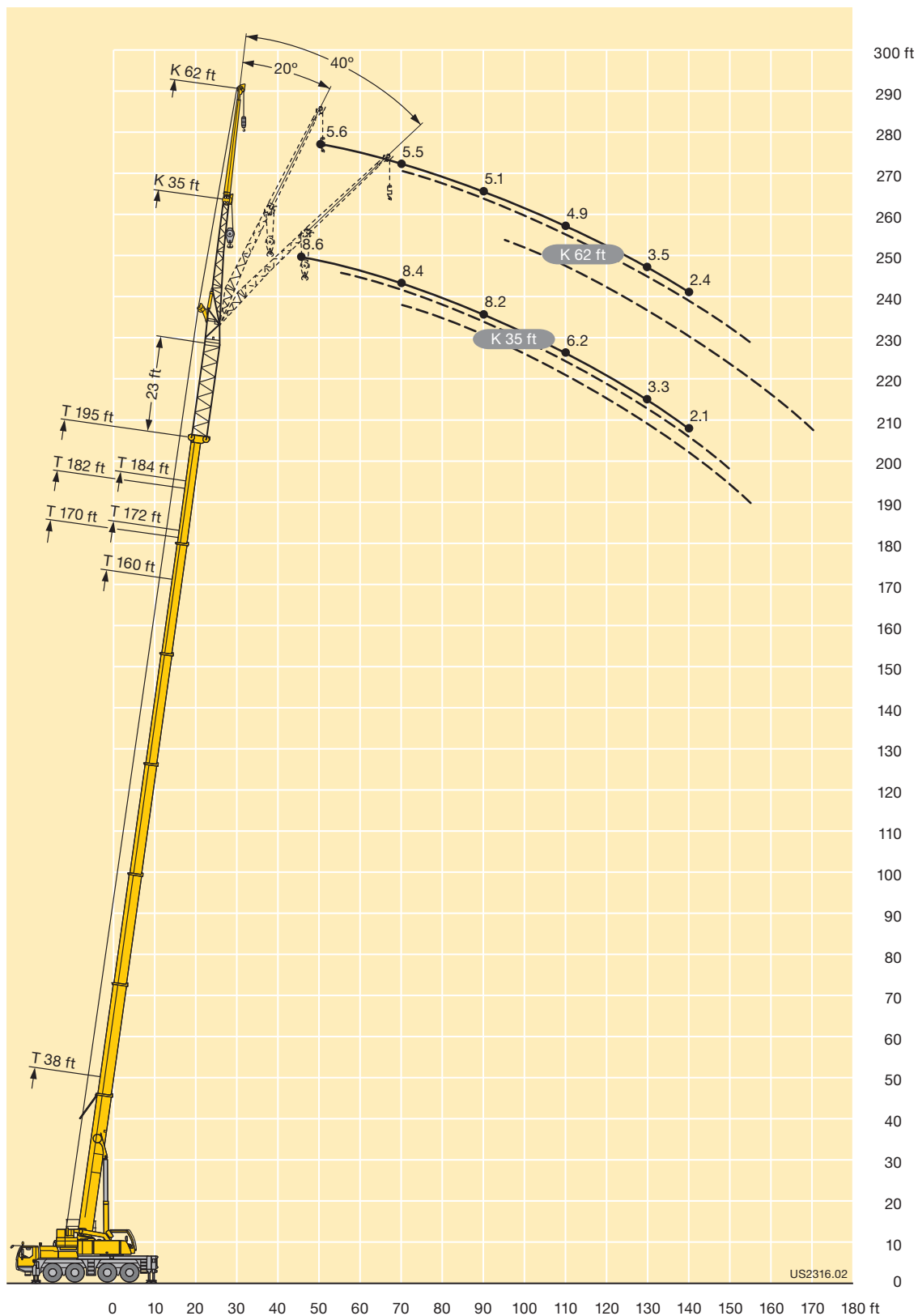
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Lifting capacities Forces de levage

TVK/TVNZK

38-195 ft T 23 ft V 62 ft K NZK 360° 62200 lbs 85%																						
ft	38 ft + 23 ft			160 ft + 23 ft			170 ft + 23 ft			172 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			195 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°	
13	7.9																				13	
14	7.9																				14	
15	7.9																				15	
16	7.9																				16	
17	7.9																				17	
18	7.9																				18	
20	7.9																				20	
22	7.8																				22	
24	7.7																				24	
26	7.7																				26	
28	7.7																				28	
30	7.7																				30	
32	7.7																				32	
34	7.6																				34	
36	7.5	7.3																			36	
38	7.5	7.3																			38	
40	7.5	7.3																			40	
45	7.1	7.3		7.9			6.8			7.3											45	
50	6.8	7		7.8			6.8			7.1			6.2			6.4			5.6		50	
55	6.4	6.7		7.7			6.8			7.1			6.2			6.4			5.5		55	
60	5.9	6.3	6.6	7.7			6.6			7.1			6.2			6.4			5.5		60	
65	5.6	6	6.2	7.7			6.6			7.1			6.2			6.4			5.5		65	
70	5.2	5.7	5.9	7.7	7.3		6.6	6.2		7.1	6.6		6			6.4	6		5.5		70	
75	5	5.3	5.5	7.6	7.3		6.6	6.2		7	6.6		6	5.7		6.3	6		5.4	5.3	75	
80	4.8	5	5.3	7.5	7.3		6.6	6.2		6.8	6.6		6	5.7		6.2	6		5.3	5.3	80	
85	4.4	4.7	5.1	7.5	7.3	6.8	6.6	6.2		6.8	6.6		6	5.7		6.2	6		5.3	5.3	85	
90	4.3	4.5	4.8	7.3	7.1	6.7	6.5	6.2	6	6.8	6.6	6.4	6	5.7	5.5	6.2	6	5.7	5.1	5.3	90	
95	4	4.2	4.4	7.2	6.8	6.5	6.4	6.1	6	6.7	6.5	6.4	6	5.7	5.5	6.2	6	5.7	5.1	5.3	5.1	95
100	3.7	3.9		7	6.6	6.3	6.3	6	6	6.6	6.3	6.3	5.9	5.7	5.5	6.2	6	5.7	5	5.2	5.1	100
105	3.5	3.8		6.8	6.4	6.2	6.2	6	6	6.4	6.2	6.2	5.7	5.5	5.5	6.2	6	5.7	4.9	5.1	5.1	105
110				6.5	6.2	6	6	5.8	5.8	6.4	6.2	6	5.7	5.5	5.5	6	5.8	5.7	4.9	5.1	5.1	110
115				6.3	6.1	6	5.8	5.6	5.6	6.2	6.1	5.8	5.6	5.5	5.4	5.6	5.7	5.6	4.7	5.1	5.1	115
120				6.1	5.9	5.9	5.7	5.5	5.5	5.8	5.9	5.7	5.4	5.5	5.3	5	5.7	5.5	4.5	5	5.1	120
125				5.9	5.7	5.7	5.5	5.3	5.3	5.5	5.7	5.5	5	5.3	5.3	4.4	5.5	5.5	4.1	4.8	5.1	125
130				5.6	5.6	5.6	5.3	5.3	5.3	4.8	5.6	5.5	4.5	5.1	5.1	3.7	5.2	5.3	3.5	4.7	4.9	130
135				5.1	5.4	5.4	4.8	5.2	5.2	4.3	5.3	5.4	4	4.9	5.1	3.2	4.6	5.2	2.9	4.3	4.9	135
140				4.6	5.2	5.2	4.2	5	5	3.7	4.9	5.2	3.5	4.6	5	2.6	3.9	4.9	2.4	3.8	4.6	140
145				3.9	5	5.1	3.7	4.8	4.8	3	4.3	5	2.8	4.1	4.8	2.1	3.2	4.3		3.2	4.1	145
150				3.4	4.5	4.9	3.2	4.3	4.7	2.5	3.7	4.5	2.3	3.4	4.3	1.6	2.7	3.7		2.6	3.6	150
155				3	4	4.6	2.7	3.8	4.4	2.2	3.1	4	1.9	2.9	3.8		2.2	3.1	2	3		155
160				2.6	3.5	4.2	2.3	3.3	3.9	1.7	2.6	3.4		2.5	3.3		1.7	2.6			2.4	160
165				2.1	3	3.7	1.9	2.8	3.4		2.1	2.8		2.1	2.8			2.1		1.9		165
170				1.8	2.5	3.2		2.3	2.9		1.8	2.5		1.6	2.3			1.6			1.4	170
175					2.1	2.6		1.9	2.4			2			1.8							175
180					1.8	2.1			2													180

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Lifting capacities Forces de levage

TVK/TVNZK

38—195 ft T 46 ft V 35 ft K NZK 360° 62200 lbs 85%																						
ft	38 ft + 46 ft			160 ft + 46 ft			170 ft + 46 ft			172 ft + 46 ft			182 ft + 46 ft			184 ft + 46 ft			195 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°	
11	8.4																				11	
12	8.4																				12	
13	8.4																				13	
14	8.4																				14	
15	8.4																				15	
16	8.2																				16	
17	8.2																				17	
18	8.2																				18	
20	8.2																				20	
22	8.2																				22	
24	8.1																				24	
26	8	8.4																			26	
28	7.9	8.3																			28	
30	7.9	8.2																			30	
32	7.8	8.2																			32	
34	7.6	8.1																			34	
36	7.5	7.9	8.2																		36	
38	7.4	7.8	8																		38	
40	7.2	7.6	7.9																		40	
45	6.9	7	7.4	8.2			6.9			7.3			6.2			6.4					45	
50	6.4	6.6	6.9	8.2			6.8			7.3			6.2			6.4			5.5		50	
55	5.9	6.1	6.4	8.1	8.2		6.8	7.1		7.3	7.3		6.2			6.4			5.5		55	
60	5.5	5.7	5.9	7.9	8.1		6.8	7		7.2	7.3		6.2			6.4			5.5		60	
65	5.1	5.3	5.6	7.9	8	8.2	6.8	6.9		7.1	7.3		6.2	6.2		6.4	6.4		5.3	5.5	65	
70	4.8	5	5.2	7.8	7.9	7.9	6.7	6.8	6.9	7.1	7.3	7.4	6	6.2	6.4	6.3	6.4	6.6	5.3	5.5	70	
75	4.4	4.7	4.9	7.6	7.8	7.6	6.6	6.7	6.7	7.1	7.2	7.2	6	6.2	6.3	6.2	6.4	6.6	5.2	5.4	5.6	75
80	4.2	4.4	4.5	7.5	7.5	7.4	6.6	6.6	6.6	7	7	7	6	6.1	6.2	6.2	6.4	6.6	5.1	5.3	5.5	80
85	4	4.2	4.2	7.5	7.3	7.1	6.4	6.4	6.4	6.8	6.8	6.8	6	6	6.2	6.2	6.2	6.4	5.1	5.3	5.5	85
90	3.7	3.9	4	7.2	7	6.9	6.2	6.2	6.2	6.8	6.7	6.7	6	6	6	6.2	6.2	6.4	4.9	5.1	5.4	90
95	3.4	3.5	3.8	7	6.7	6.6	6.2	6.1	6.1	6.7	6.5	6.5	5.9	5.9	5.9	6.1	6.1	6.3	4.9	5.1	5.3	95
100				6.7	6.6	6.3	6.1	5.9	5.9	6.6	6.3	6.3	5.7	5.7	5.7	6	6	6.1	4.8	5	5.2	100
105				6.4	6.4	6.2	6	5.7	5.7	6.4	6.2	6.2	5.7	5.5	5.5	6	6	6	4.6	4.9	5.1	105
110				6.2	6.1	6	5.8	5.6	5.6	6.2	6	6	5.6	5.3	5.3	5.6	5.8	5.8	4.6	4.9	5.1	110
115				6.1	5.8	5.8	5.6	5.4	5.4	5.8	5.8	5.8	5.4	5.3	5.3	5.1	5.6	5.6	4.4	4.7	5	115
120				5.8	5.7	5.7	5.4	5.2	5.2	5.3	5.6	5.7	5	5.2	5.2	4.4	5.2	5.4	4	4.6	4.8	120
125				5.5	5.5	5.5	5	5.1	5.1	4.6	5.3	5.5	4.4	5	5.1	3.7	4.4	5	3.5	4.4	4.6	125
130				5	5.3	5.3	4.5	4.9	4.9	4.1	4.8	5.2	3.7	4.5	4.9	3	3.7	4.4	2.8	3.5	4.1	130
135				4.3	4.9	5	4	4.6	4.7	3.5	4.1	4.6	3.2	3.9	4.5	2.4	3.2	3.7	2.1	2.9	3.5	135
140				3.8	4.3	4.6	3.5	4.1	4.4	2.9	3.5	4	2.6	3.3	3.9	1.8	2.6	3.1		2.4	2.9	140
145				3.2	3.7	4.1	2.8	3.5	3.9	2.4	3	3.5	2.1	2.8	3.2			2.6			2.4	145
150				2.7	3.2	3.6	2.5	3	3.4	1.9	2.5	3	1.6	2.3	2.7			1.9			1.9	150
155				2.2	2.7	3.1	2	2.5	2.9		2	2.3		1.8	2.2							155
160				1.8	2.3	2.6		2	2.4			1.8										160
165					1.9	2.1			1.9													165
170					1.4	1.6			1.4													170

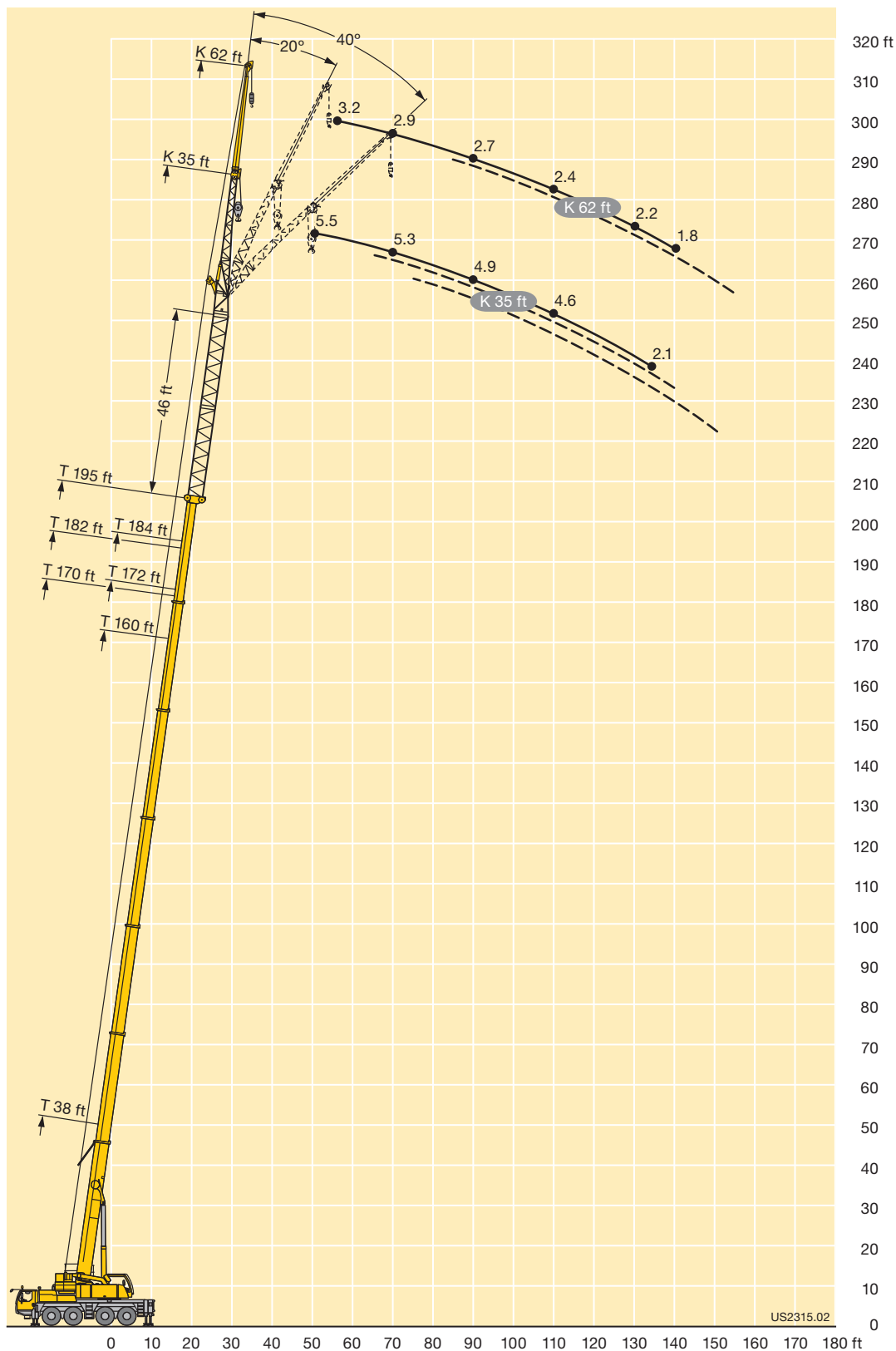
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Lifting capacities Forces de levage

TVK/TVNZK

38 – 195 ft T 46 ft V 62 ft NZK 360° 62200 lbs 85%																			
ft	38 ft + 46 ft			160 ft + 46 ft			170 ft + 46 ft		172 ft + 46 ft			182 ft + 46 ft		184 ft + 46 ft			195 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°	0°	20°	40°	0°	20°	0°	20°	40°	0°	20°	
16	5.5																		16
17	5.5																		17
18	5.5																		18
20	5.5																		20
22	5.4																		22
24	5.3																		24
26	5.3																		26
28	5.3																		28
30	5.3																		30
32	5.3																		32
34	5.3																		34
36	5.3																		36
38	5.2																		38
40	5.1	5.5																	40
45	5.1	5.3		5.5										4.4					45
50	4.9	5.3		5.4			4.6		4.9					4.4					50
55	4.8	5.2		5.3			4.6		4.9			4.1		4.3			3.2		55
60	4.6	5		5.3			4.6		4.9			4		4.2			3.1		60
65	4.4	4.7	4.9	5.3			4.6		4.9			4		4.2			2.9		65
70	4.1	4.5	4.7	5.3	5.4		4.5		4.7			4		4.2			2.9		70
75	3.9	4.2	4.4	5.2	5.3		4.4	4.6	4.6	4.9		3.9	4	4.1	4.3		2.8		75
80	3.7	3.9	4.2	5.1	5.3		4.4	4.6	4.6	4.9		3.8	4	4	4.2		2.7		80
85	3.5	3.8	4	5.1	5.3		4.4	4.6	4.6	4.9		3.8	4	4	4.2		2.7	2.9	85
90	3.2	3.6	3.8	5.1	5.1	5.1	4.4	4.6	4.6	4.9		3.6	4	4	4.2		2.7	2.9	90
95	3	3.3	3.5	5.1	5.1	5	4.4	4.6	4.6	4.7	4.6	3.5	3.9	3.9	4.1	4.2	2.5	2.8	95
100	2.8	3	3.3	5	5	4.8	4.4	4.6	4.6	4.6	4.6	3.5	3.8	3.8	4	4.1	2.4	2.7	100
105	2.7	2.9	3.1	4.9	4.9	4.6	4.4	4.4	4.6	4.6	4.6	3.5	3.8	3.8	4	4	2.4	2.7	105
110	2.5	2.7	2.9	4.7	4.7	4.6	4.2	4.2	4.5	4.5	4.5	3.4	3.6	3.6	3.8	4	2.4	2.7	110
115	2.3	2.5	2.8	4.6	4.5	4.5	4.2	4.2	4.4	4.4	4.4	3.3	3.5	3.5	3.8	4	2.3	2.5	115
120	2.1	2.4	2.6	4.6	4.4	4.4	4.1	4.1	4.4	4.4	4.4	3.3	3.5	3.5	3.8	3.9	2.2	2.4	120
125	2	2.2	2.4	4.4	4.4	4.2	4	4	4.2	4.2	4.2	3.3	3.5	3.5	3.7	3.8	2.2	2.4	125
130	1.8			4.2	4.2	4.2	3.8	3.8	4	4	4	3.3	3.4	3.2	3.6	3.8	2.2	2.4	130
135				4.1	4.1	4.1	3.8	3.8	3.6	4	4	3.2	3.3	2.7	3.5	3.8	2.1	2.4	135
140				3.8	3.9	3.9	3.6	3.7	3.1	3.8	3.9	2.9	3.3	2.2	3.3	3.7	1.8	2.4	140
145				3.5	3.8	3.8	3.2	3.5	2.6	3.5	3.8	2.4	3.3		2.8	3.5		2.4	145
150				3	3.8	3.8	2.7	3.3	2.1	3.2	3.8	1.9	2.9		2.3	3.3		2.1	150
155				2.5	3.5	3.6	2.2	3	1.7	2.7	3.5		2.5		1.8	2.8		1.6	155
160				2	3.1	3.4	1.7	2.7		2.3	3.1		2			2.2			160
165					2.6	3.2		2.3			2.6								165
170					2	2.7		1.8			2								170
175					1.7	2.2					1.5								175
180						1.8													180

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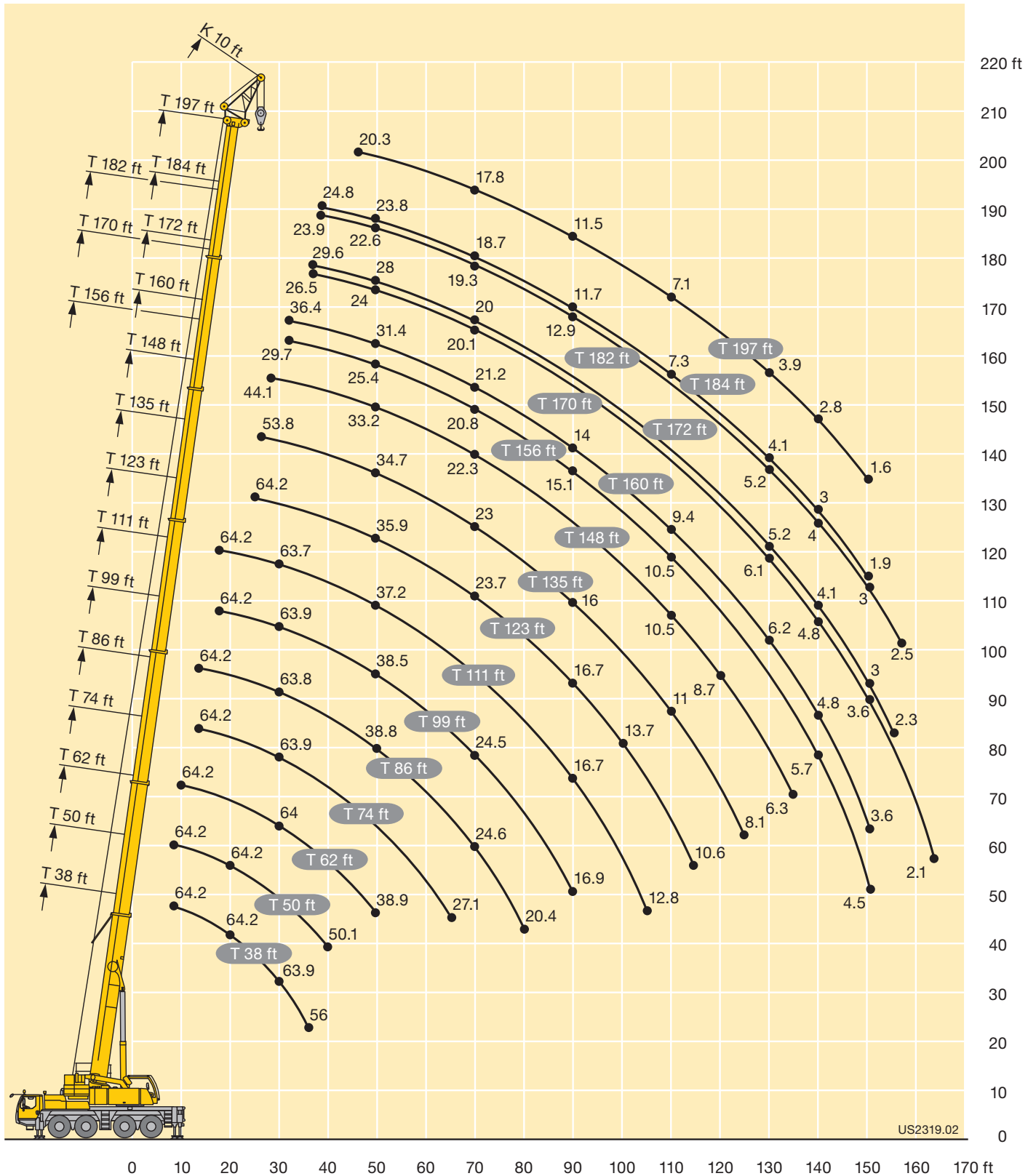


Lifting capacities Forces de levage

TK

		 38 – 197 ft T		 10 ft K			 360°	 62200 lbs	 85%																	
 ft	38 ft	50 ft	62 ft	74 ft	86 ft	99 ft	111 ft	123 ft	135 ft	148 ft	156 ft	160 ft	170 ft	172 ft	182 ft	184 ft	197 ft	 ft								
9	64.2	64.2																9								
10	64.2	64.2	64.2															10								
11	64.2	64.2	64.2															11								
12	64.2	64.2	64.2															12								
13	64.2	64.2	64.2	64.2	64.2													13								
14	64.2	64.2	64.2	64.2	64.2													14								
15	64.2	64.2	64.2	64.2	64.2													15								
16	64.2	64.2	64.2	64.2	64.2													16								
17	64.2	64.2	64.2	64.2	64.2													17								
18	64.2	64.2	64.2	64.2	64.2	64.2	64.2											18								
20	64.2	64.2	64.2	64.2	64.2	64.2	64.2											20								
22	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2										22								
24	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.1										24								
26	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64	53.8									26								
28	64.2	64.2	64.2	64.2	64.2	64.2	64.2	63.5	53.3	44.1								28								
30	63.9	64	64	63.9	63.8	63.9	63.7	62.4	52.8	43.8								30								
32	63	63.2	63.3	62.8	62.3	62.7	62	59.7	52.1	43.5	29.7	36.4						32								
34	60.1	60.5	60.8	60.3	60.1	60.3	59	56.5	50.9	43.2	29.3	36.1						34								
36	56	56.6	57.1	56.8	57.2	57	55.1	52.9	49.2	42.8	28.9	35.7	26.5	29.6				36								
38		53.2	53.5	53.8	54	53.5	52.1	49.5	46.7	42.1	28.5	35.6	26.1	29.4	23.9	24.8		38								
40		50.1	50.4	51	51	50.3	49.2	46.4	44.3	41.1	28.1	35.3	25.7	29.3	23.8	24.7		40								
45			44.2	44.6	44.2	43.6	42.3	40.6	39.1	36.9	26.7	34	24.9	28.8	23.2	24.3	20.3	45								
50			38.9	39.1	38.8	38.5	37.2	35.9	34.7	33.2	25.4	31.4	24	28	22.6	23.8	20.2	50								
55				34.4	34.1	34.1	33.1	32.1	31	29.6	24.1	28.4	23.1	26.4	21.9	23.3	19.9	55								
60				30.5	30	30.1	29.7	29	27.9	26.5	23	25.4	22.1	24.1	21.2	22.4	19.5	60								
65				27.1	26.7	27.3	26.8	26	25.2	24.1	22	23.4	21.1	22.3	20.4	20.9	19	65								
70					24.6	24.5	24.4	23.7	23	22.3	20.8	21.2	20.1	20	19.3	18.7	17.8	70								
75					22.6	22	22.1	21.5	21	20.5	19.5	19.1	18.7	17.9	17.7	16.6	16.2	75								
80					20.4	19.8	20.1	19.5	19.2	18.5	18.1	17.2	17	16.1	15.9	14.8	14.4	80								
85						18	18.4	18.2	17.5	16.7	16.6	15.5	15.3	14.4	14.2	13.1	12.9	85								
90						16.9	16.7	16.7	16	15.1	15.1	14	13.8	13.1	12.9	11.7	11.5	90								
95							15.3	15.1	14.6	13.8	13.7	12.7	12.5	11.7	11.6	10.5	10.3	95								
100							14	13.7	13.3	12.6	12.5	11.5	11.3	10.5	10.4	9.3	9.1	100								
105							12.8	12.6	12.1	11.5	11.5	10.4	10.1	9.5	9.3	8.2	7.9	105								
110								11.6	11	10.5	10.5	9.4	9.1	8.5	8.4	7.3	7.1	110								
115								10.6	9.9	9.6	9.6	8.5	8.2	7.6	7.5	6.5	6.3	115								
120									8.9	8.7	8.7	7.7	7.5	6.7	6.6	5.6	5.4	120								
125									8.1	7.9	7.9	7	6.8	5.9	5.9	4.8	4.6	125								
130										7	7	6.2	6.1	5.2	5.2	4.1	3.9	130								
135										6.3	6.3	5.5	5.5	4.7	4.6	3.6	3.4	135								
140											5.7	4.8	4.8	4.1	4	3	2.8	140								
145											5	4.1	4.1	3.5	3.5	2.4	2.1	145								
150											4.5	3.6	3.6	3	3	1.9	1.6	150								
155													3.1	2.3	2.5			155								
160														2.6				160								
165														2.1				165								

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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 350 kW (476 h.p.), max. torque 1645 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 106 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 4 axles steered. Axle 2, 3 and 4 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.
Tyres	8 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. Hand brake: Spring-loaded, acting on all wheels of axles 1, 2 and 4. Sustained-action brake: Exhaust retarder with additional Liebherr braking system. Anti-lock device in conjunction with anti-skid control.
Driver's cab	Spacious and comfortable sheet steel 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 Tier 3. Fuel reservoir: 66 gallons.

Crane drive	Diesel-hydraulic, with 1 axial piston variable displacement pump, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
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, hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with safety check valves.
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	Large screen area, compound glass, comfort furnishing, cabin tilttable 20° to rear.
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 6 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom length: 38 ft – 197 ft.
Counterweight	37900 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).
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	8 tyres, size 525/80 R 25 (20.5 R 25).
Drive 8 x 8	Additional drive of the 1 st axle.
Additional counterweight	24300 lbs for a total counterweight of 62200 lbs.

Other items of equipment available on request.

Châssis porteur

Cadre	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 350 kW (476 ch), couple max. 1645 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 106 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 4 essieux sont directeurs. Les essieux 2, 3 et 4 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Tous les essieux sont à suspension hydro-pneumatique avec mise à niveau automatique. Suspension blocable hydrauliquement.
Pneumatiques	8 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: par cylindres à ressorts, agissant sur les roues des essieux 1,2 et 4. Frein à régime continu: Ralentisseur sur échappement avec système de freinage additionnel Liebherr. Dispositif anti-enrayeur avec contrôle antipatinage.
Cabine du conducteur	Cabine spacieuse, en tôle d'acier, 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.
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 1 pompe à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
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 équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
Mécanisme de relevage	1 vérin différentiel avec soupapes de retenue.
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 de grue	Large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de 20° 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 6 éléments télescopiques. Tous les éléments télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 38 ft – 197 ft.
Contrepoids	Plaque de base 37900 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).
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	8 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 8 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	24300 lbs pour un contrepoids total de 62200 lbs.

Autres équipements supplémentaires sur demande.

Description of symbols Explication des symboles

General symbols Symboles généraux

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

Crane specific symbols Symboles spécifiques à la grue

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

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 must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centreline.
6. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
7. Lifting capacities above 153.2 kips / 181.2 kips only with additional pulley block/special equipment.
8. 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 forces de levage sont données en kips.
4. Les poids des moufles et crochets doit être soustrait des charges indiquées.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliable déposée.
7. Forces de levage plus de 153.2 kips / 181.2 kips seulement avec moufle additionnel/équipement supplémentaire.
8. 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.