

Mobile Crane Grue mobile

LTM 1160-5.1

Technical Data
Caractéristiques techniques

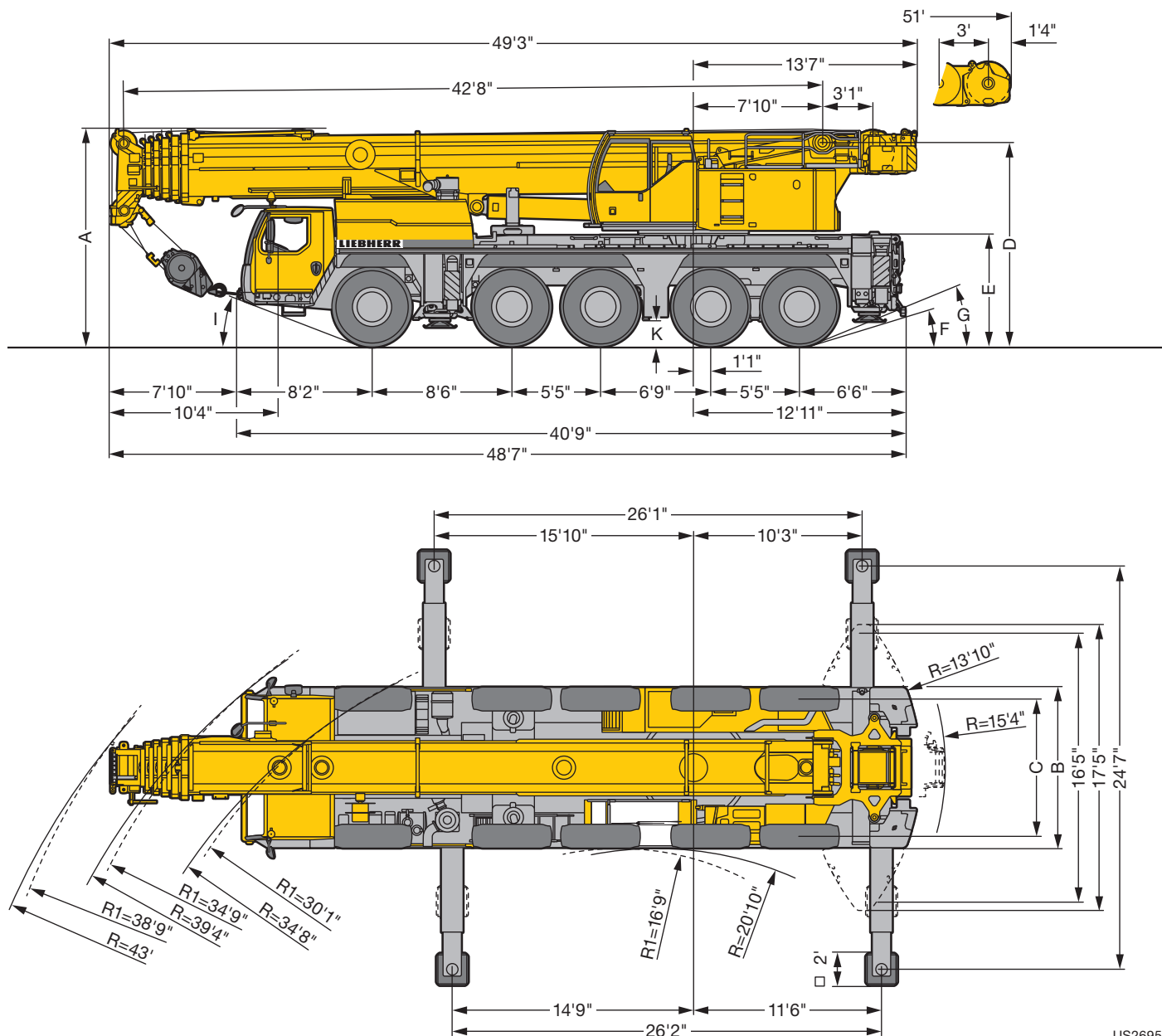
LICCON2



LIEBHERR

Dimensions Encombrement

LICCON2



US2695

R₁ = All-wheel steering · Direction toutes roues

	Dimensions / Encombrement									
	A	A 6"*	B	C	D	E	F	G	I	K
445/95 R 25 (16.00 R 25)	13'1"	12'8"	9'10"	8'4"	12'4"	6'9"	15°	16°	19°	1'5"
525/80 R 25 (20.5 R 25)	13'1"	12'8"	10'2"	8'5"	12'4"	6'9"	15°	16°	19°	1'5"

* lowered · abaissé

Weights Poids

LICCON2



Axle Essieu lbs	1	2	3	4	5	Total weight lbs Poids total lbs
	26400	26400	26400	26400	26400	132000 ¹⁾

¹⁾ with 14300 lbs counterweight · avec contrepoids 14300 lbs



Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
282.2	9	16	2910
263.5	7	15	2730
198.4	5	11	1980
130	3	7	1540
57.3	1	3	1430
19.4	–	1	770

Working speeds Vitesses

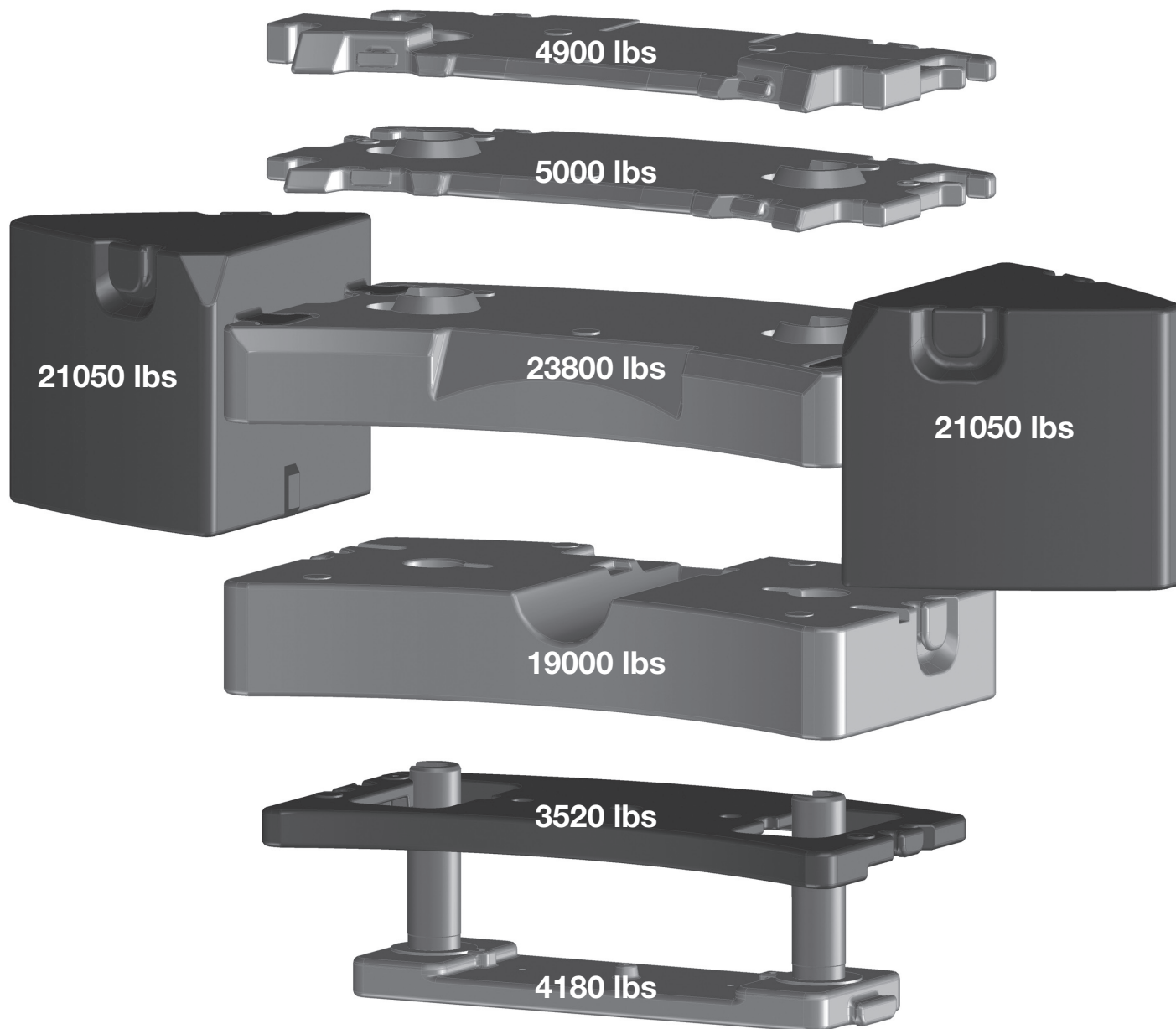


	(mph) min. МИН.	(mph) max. МАКС.	%
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	50	56 %

	12 / R2
	4 / R2



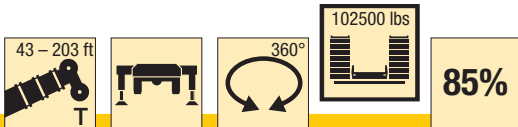
Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 460 ft/min single line ft/min au brin simple	0.83" / 820 ft	19400 lbs
	0 – 460 ft/min single line ft/min au brin simple	0.83" / 820 ft	19400 lbs
	0 – 1.7 rpm		
	approx. 50 seconds to reach 82° boom angle env. 50 s jusqu'à 82°		
	approx. 511 seconds for boom extension from 43 ft – 203 ft env. 511 s pour passer de 43 ft – 203 ft		



Lifting capacities Forces de levage

T

LICCON2



														
	43 ft		57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	
ft	*													ft
10	351.1	247.6	215.4	215.4										10
11	253.5	247.6	215.4	215.4										11
12	249.1	245.7	215.4	215.4	182.1									12
13	231.2	238.2	215.3	211.6	182.1									13
14	219.6	224.7	210.3	202.5	182.1									14
15	205.8	211.8	198	190.6	179.6	147.9								15
16	196.2	200.9	188.7	180	174.5	147.9								16
17	195.1	192.8	181.6	172.9	166.4	147.9								17
18	186.7	186.3	175.4	166.9	162	147.9								18
19	178.4	180.2	169.6	162.8	157.7	147.6	112.7							19
20	176.4	174.5	164.3	158.5	152.5	145.6	112.7							20
22	163.3	158.2	154.6	149.2	143.1	138.2	112.7	86						22
24	153.7	142.6	144.1	140.8	134.8	130	112.7	88.6						24
26	134.5	129.5	131.5	131.7	127.4	122.8	112.7	85.9	68.5					26
28	123.6	118.4	120.5	121.3	120	116.2	111.4	83.1	66.5					28
30	115.4	109	111	111.7	111.3	109.5	108.6	80.3	64.6	53.6				30
32	105.8	100.7	102.6	103.4	103	102	103.4	77.4	62.7	52.3				32
34	93.3	93.5	95.5	96.1	95.6	97.3	96.2	74.5	60.8	51	43			34
36			89.1	89.7	89.3	91.1	89.8	71.6	58.9	49.7	42.1	34.5		36
38			83.4	84	85.1	85.3	84.3	68.7	57	48.5	41.3	34		38
40			78.3	78.9	80.9	80.1	79.1	66	55.1	47.2	40.4	33.4	28.4	40
45			67.7	68.2	70.1	69.5	68.4	60.8	50.4	43.9	38.2	32	27.3	45
50				61.5	61.6	60.9	59.9	55.8	46.7	40.7	35.9	30.5	26.3	50
55				54.7	54.7	54	53	50.8	43.4	37.9	33.6	29	25.2	55
60				49	49.1	48.4	47.3	45.7	40.1	35.4	31.4	27.5	24	60
65					44	43.3	42	41.7	37.2	33	29.5	26	22.9	65
70					39.6	38.7	37.5	38.6	34.9	30.6	27.8	24.7	21.7	70
75					35.8	34.9	34.2	35.1	32.2	28.8	26	23.5	20.7	75
80						31.6	32.3	31.8	29.5	27.2	24.4	22.3	19.7	80
85						28.8	30	28.8	27.5	25.6	23.1	21	18.8	85
90						26.8	27.4	26.3	25	23.9	21.8	20	17.9	90
95							25.2	24	23.5	21.8	20.6	19	17	95
100							23.2	21.9	22.4	20.5	19.4	18.1	16.2	100
105							21.4	20.1	20.7	19.4	18.1	17.1	15.4	105
110								19	19	17.9	16.8	16.2	14.7	110
115								18.5	17.5	16.8	15.8	15.3	14	115
120								17.4	16.2	16	15.1	14.5	13.2	120
125									14.9	14.9	14.4	13.7	12.5	125
130									13.8	13.7	13.5	12.7	12	130
135									13.3	12.8	12.6	11.7	11.5	135
140										12	11.7	10.9	10.8	140
145										11.4	11	10.1	10	145
150										10.8	10.2	9.2	9.2	150
155											9.5	8.4	8.4	155
160											8.8	7.6	7.6	160
165											8.1	6.9	6.9	165
170												6.2	6.2	170
175												5.6	5.6	175
180												5.1	5	180
185													4.5	185
190													4	190
195													3.6	195

* over rear · en arrière

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Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 60400 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	247.6	215.4	215.4										10
11	247.6	215.4	215.4										11
12	245.6	215.4	215.4	182.1									12
13	237.7	215.3	211.6	182.1									13
14	224.6	210.3	202.5	182.1									14
15	211.8	198	190.6	179.6	147.9								15
16	200	188.7	180	174.5	147.9								16
17	188.8	181.6	172.9	166.4	147.9								17
18	176.2	173.8	166.9	162	147.9								18
19	165.2	165.6	162.8	157.7	147.6	112.7							19
20	155.3	157.1	157.1	152.5	145.2	112.7							20
22	138.4	140.7	141.6	140.8	132	112.7	86						22
24	124.5	126.7	127.6	126.8	117.7	112.7	88.6						24
26	113	115	115.9	114.4	110.7	103.1	85.9	68.5					26
28	103.1	105.2	106	103.6	100.8	94.1	83.1	66.5					28
30	94.8	96.8	97.5	97.3	92.3	86.2	80.2	64.6	53.6				30
32	87.5	89.4	90.1	90.3	85.2	79.5	74.3	62.7	52.3				32
34	81.1	83	85	83.2	78.5	73.5	68.9	60.8	51	43			34
36		77.3	79.8	77.3	72.9	68.1	64.8	58.9	49.7	42.1	34.5		36
38		72.3	74.7	71.8	67.7	63.4	60.4	56.3	48.5	41.3	34		38
40		68.8	69.8	66.9	63.1	59.3	56.6	52.9	47.2	40.4	33.4	28.4	40
45		58.4	59.2	56.8	53.6	50.8	50.1	46.6	43.7	38.2	32	27.3	45
50			51.1	49	46.2	46.2	43.5	40.4	38	35.9	30.5	26.3	50
55			43.7	42.8	40.3	40.7	38.1	36	34.7	32.8	29	25.2	55
60			37.9	37.8	37.3	36	33.6	33.4	31	28.9	27.5	24	60
65				33.3	34.2	32.1	30.7	29.8	28.4	26.9	25.6	22.9	65
70				29.4	30.7	28.8	28.4	26.6	25.9	24.9	23.2	21.7	70
75				26.9	27.6	25.9	26.1	24.3	23.3	22.5	20.7	20.1	75
80					24.8	23.5	23.6	22.7	21.3	20.3	18.5	18.2	80
85					22.4	21.9	21.5	20.8	19.3	18.3	16.6	16.2	85
90					20.2	20.6	19.6	19	17.5	16.5	14.9	14.6	90
95						18.7	17.8	17.4	15.9	15	13.4	13.1	95
100						17	16.2	15.8	14.5	13.6	12	11.8	100
105						15.6	14.8	14.3	13.2	12.3	10.8	10.5	105
110							13.5	13	12	11.1	9.7	9.4	110
115							12.3	11.8	10.9	10.1	8.6	8.4	115
120							11.4	10.9	9.9	9.1	7.7	7.4	120
125								9.9	9	8.2	6.8	6.6	125
130								9.1	8.1	7.4	6	5.8	130
135								8.3	7.2	6.6	5.3	5.1	135
140									6.5	5.8	4.6	4.4	140
145									5.8	5.1	4	3.8	145
150									5.2	4.4			150
155										3.8			155
160													160

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Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 55300 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	247.6	215.4	215.4										10
11	247.6	215.4	215.4										11
12	245.5	215.4	215.4	182.1									12
13	237.2	215.3	211.6	182.1									13
14	224.4	210.3	202.5	182.1									14
15	211.8	198	190.6	179.6	147.9								15
16	198.9	188.7	180	174.5	147.9								16
17	185.5	181.6	172.9	166.4	147.9								17
18	173	172.6	166.9	162	147.9								18
19	162.2	163.5	162.5	157.7	147.1	112.7							19
20	152.5	154.9	155.4	152.3	141.3	112.7							20
22	135.9	138.2	139.1	137.4	126.5	112.7	86						22
24	122.2	124.4	125.3	122	116.1	108.6	88.6						24
26	110.8	112.9	113.8	109.6	106.2	98.8	85.9	68.5					26
28	101.2	103.3	104	102.1	96.6	90	82.7	66.5					28
30	92.9	95	95.6	94.3	88.4	82.5	76.9	64.6	53.6				30
32	85.8	87.7	89	86.5	81.5	75.8	71.6	62.7	52.3				32
34	79.5	81.4	83.5	79.6	74.9	69.8	66.5	60.6	51	43			34
36		75.8	77.1	73.6	69.4	64.6	61.6	57.6	49.7	42.1	34.5		36
38		71.4	71.4	68.3	64.4	60.4	58.4	53.7	48.5	41.3	34		38
40		67	66.5	63.6	59.9	56.7	55.5	51.2	47.2	40.4	33.4	28.4	40
45		56	56.3	53.9	50.9	50	47.5	44.2	41.6	38.2	32	27.3	45
50			48.5	46.5	43.7	44	41.1	38.4	37.3	35.3	30.5	26.3	50
55			41.5	40.5	39.8	38.5	36	35.6	33.1	30.8	29	25.2	55
60			35.9	35.7	36.2	34	32.6	31.5	30.2	28.4	27.2	24	60
65				31.4	32.3	30.3	30.2	28	27.3	26.1	24.4	22.9	65
70				28.5	29	27.1	27.2	25.7	24.5	23.5	21.7	21	70
75				26.3	26	24.6	24.5	23.7	22.1	21	19.3	18.9	75
80					23.4	23.1	22.2	21.5	19.9	18.9	17.2	16.8	80
85					21	21.4	20.1	19.4	18	17	15.3	15	85
90					18.9	19.3	18.3	17.7	16.2	15.3	13.7	13.4	90
95						17.4	16.8	16.2	14.7	13.8	12.2	12	95
100						15.8	15.2	14.6	13.4	12.4	10.9	10.7	100
105						14.4	13.7	13.2	12.1	11.2	9.7	9.5	105
110							12.4	12	11	10.1	8.6	8.4	110
115							11.4	10.9	10	9.1	7.6	7.4	115
120							10.4	10	9	8.2	6.7	6.5	120
125								9.1	8.1	7.3	5.9	5.7	125
130								8.2	7.2	6.6	5.1	5	130
135								7.4	6.4	5.8	4.4	4.3	135
140									5.7	5	3.8	3.6	140
145									5	4.4			145
150									4.4	3.7			150

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Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 50500 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	247.6	215.4	215.4										10
11	247.6	215.4	215.4										11
12	245.4	215.4	215.4	182.1									12
13	236.7	215.3	211.6	182.1									13
14	224.3	210.3	202.5	182.1									14
15	210.5	198	190.6	179.6	147.9								15
16	196.2	188.6	180	174.5	147.9								16
17	182.1	181.2	172.9	166.4	147.9								17
18	169.9	171.1	166.9	162	147.9								18
19	159.2	160.7	160.5	156.9	146.7	112.7							19
20	149.7	152.1	152.6	149.9	137.4	112.7							20
22	133.3	135.6	136.6	131.7	121.1	112.7	86						22
24	119.9	122	123	116.8	112.6	104.4	88.6						24
26	108.7	110.8	111.6	106.6	101.7	94.6	85.3	68.5					26
28	99.2	101.3	101.4	98.4	92.5	86.1	80	66.5					28
30	91.1	93.2	92.8	90.2	84.5	78.5	74.2	64.6	53.6				30
32	84.1	86	86.8	82.6	77.6	71.9	68.3	62.3	52.3				32
34	77.9	79.8	79.6	75.7	71.1	66.5	63	59	51	43			34
36		74	73.3	70	65.9	62	60.2	54.7	49.7	42.1	34.5		36
38		69.8	67.9	64.9	61.1	57.7	56.6	52.3	48.3	41.3	34		38
40		64.8	63.1	60.4	56.8	54.9	52.8	49.1	46	40.4	33.4	28.4	40
45		53.1	53.3	51.1	48.1	48.2	44.9	41.7	40.2	38	32	27.3	45
50			45.9	43.9	43.3	41.6	39	38.1	35.7	33.2	30.5	26.3	50
55			39.2	38.2	38.6	36.4	34.8	33.6	32.1	30.2	28.9	25.2	55
60			33.9	33.7	34.2	32.1	31.8	29.6	28.8	27.6	25.7	24	60
65				30.5	30.4	28.5	28.5	27.1	25.8	24.6	22.7	22.1	65
70				27.8	27.3	26.1	25.5	24.7	23.1	21.9	20.1	19.7	70
75				24.8	24.5	24.3	23	22.2	20.7	19.6	17.8	17.5	75
80					21.9	22.1	20.8	20	18.5	17.5	15.8	15.5	80
85					19.6	20	19.1	18.1	16.7	15.7	14	13.7	85
90					17.9	18	17.3	16.4	15	14.1	12.5	12.2	90
95						16.2	15.6	14.9	13.6	12.6	11.1	10.8	95
100						14.7	14	13.5	12.2	11.3	9.8	9.6	100
105						13.3	12.6	12.2	11.1	10.2	8.7	8.4	105
110							11.5	11	10	9.1	7.6	7.4	110
115							10.5	10	9	8.1	6.7	6.5	115
120							9.5	9.1	8.1	7.3	5.8	5.6	120
125								8.2	7.2	6.4	5	4.8	125
130								7.3	6.4	5.7	4.3	4.1	130
135								6.6	5.6	5	3.6	3.4	135
140									4.9	4.3			140
145									4.3	3.6			145
150									3.7				150

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Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 36600 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	247.6	215.4	215.4										10
11	247.6	215.4	215.4										11
12	245	215.4	215.4	182.1									12
13	234.5	215.3	211.6	182.1									13
14	218.4	210.3	202.5	182.1									14
15	201.9	198	190.6	179.6	147.9								15
16	186.5	186	180	172.7	147.9								16
17	173.1	173.8	172.9	165.1	147.9								17
18	161.5	162.7	162.8	153.4	139.3								18
19	151.3	153.1	154.3	142.5	129.4	112.7							19
20	142.2	144.6	144.2	132.3	122.9	112.7							20
22	126.6	128.9	126.1	116	111.4	102.5	86						22
24	113.8	115.9	111.1	106.8	99.3	91.3	84.2						24
26	103.1	104.7	99.8	95.9	88.9	81.9	77.2	68.5					26
28	94	93.5	91.4	86.2	80.2	74.8	69.8	64.3					28
30	86.3	83.8	82.5	78.2	72.8	68	66.1	59.9	53.6				30
32	78.9	77.4	74.9	71.2	66.7	63.7	60.8	56.3	52.2				32
34	70.3	70.6	68.5	65.1	60.9	59.9	56	51.8	48.5	43			34
36		64.7	63	60.1	56.3	55.8	51.9	47.9	45.7	42	34.5		36
38		59.6	58.1	55.6	52.9	52	48.1	45.7	43.8	40.4	34		38
40		55.2	53.9	51.6	50.7	48.3	45.6	43.7	40.9	38	33.4	28.4	40
45		45.2	45.3	43.4	43.6	41	39.9	37.5	36.1	33.9	32	27.3	45
50			38.7	38.4	37.5	35.1	35	33.4	31.6	30	27.8	26.1	50
55			33.5	34.1	32.6	32.1	30.5	29.4	27.6	26.1	24	23.4	55
60			28.8	30	28.7	28.4	27	25.8	24.1	22.9	20.9	20.3	60
65				26.5	25.4	25.2	24	22.9	21.2	20.1	18.2	17.7	65
70				23.3	22.9	22.4	21.3	20.3	18.8	17.7	15.9	15.5	70
75				20.5	20.5	20.1	19	18.1	16.6	15.6	13.9	13.6	75
80					18.1	18.1	17.1	16.2	14.7	13.7	12.1	11.8	80
85					16.1	16.2	15.4	14.5	13.1	12.1	10.6	10.3	85
90					14.4	14.4	13.8	13	11.6	10.7	9.2	8.9	90
95						12.8	12.3	11.7	10.3	9.5	8	7.7	95
100						11.6	11	10.5	9.2	8.3	6.8	6.6	100
105						10.5	9.9	9.4	8.1	7.3	5.8	5.6	105
110							8.9	8.5	7.2	6.4	4.9	4.7	110
115							7.9	7.5	6.3	5.5	4.1	3.9	115
120							7	6.6	5.6	4.7			120
125								5.8	4.8	4			125
130								5	4.1	3.4			130
135								4.4	3.4				135

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Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 7700 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	245.7	212.9	207.5										10
11	232.7	213.8	208.3										11
12	214.7	210.3	207.6	179.1									12
13	194.1	195	192.7	171.2									13
14	177.5	178	176.2	158.4									14
15	163	163.6	158.2	144.7	127.6								15
16	150.5	151.5	146.8	130.9	117.9								16
17	139.6	141.6	133	118.6	110.5								17
18	130	131.3	120.9	111.1	102.1								18
19	121.8	120.8	110.2	104.1	93.8	85.4							19
20	114.3	110.6	102.6	95.8	87.1	79.2							20
22	99.2	92.9	89.8	82.7	75.4	70.4	66.1						22
24	84.1	81.5	77.9	72.2	67.1	64.1	58.6						24
26	70.9	71	68.4	64	61.4	57.4	53.7	49.9					26
28	59.9	62.7	60.7	57	56	51.6	48.4	45.8					28
30	51.5	55.8	54.3	52.3	50.6	46.8	45.6	41.8	39.7				30
32	44.8	49.1	49	48.8	46.2	43.6	41.6	39.7	36.7				32
34	39.4	43.5	44.9	44.5	42.1	40.9	38.5	36.4	33.8	31.6			34
36		38.8	40.9	40.8	38.8	37.7	35.6	33.6	31.1	29.1	26.3		36
38		34.9	37	37.6	36.1	34.9	32.9	31.1	28.7	26.9	24.2		38
40		31.4	33.6	34.7	33.4	32.3	30.5	28.8	26.6	24.9	22.2	20.8	40
45		24.8	26.8	28.4	27.8	27	25.5	24.1	22.1	20.6	18.2	17	45
50			21.8	23.4	23.4	22.8	21.5	20.3	18.5	17.2	15	14	50
55			18	19.5	19.7	19.5	18.3	17.2	15.6	14.4	12.3	11.5	55
60			14.9	16.4	16.6	16.7	15.7	14.7	13.2	12.1	10.1	9.4	60
65				13.9	14.1	14.4	13.4	12.5	11.1	10.1	8.3	7.7	65
70				11.8	12	12.2	11.6	10.7	9.3	8.4	6.7	6.2	70
75				10	10.1	10.4	10	9.2	7.8	6.9	5.3	4.8	75
80					8.6	8.9	8.5	7.8	6.5	5.6	3.9	3.4	80
85					7.3	7.5	7.1	6.6	5.3	4.4			85
90					6.2	6.4	6	5.5	4.3				90
95						5.4	4.9	4.6					95
100						4.5	4	3.7					100
105						3.8							105

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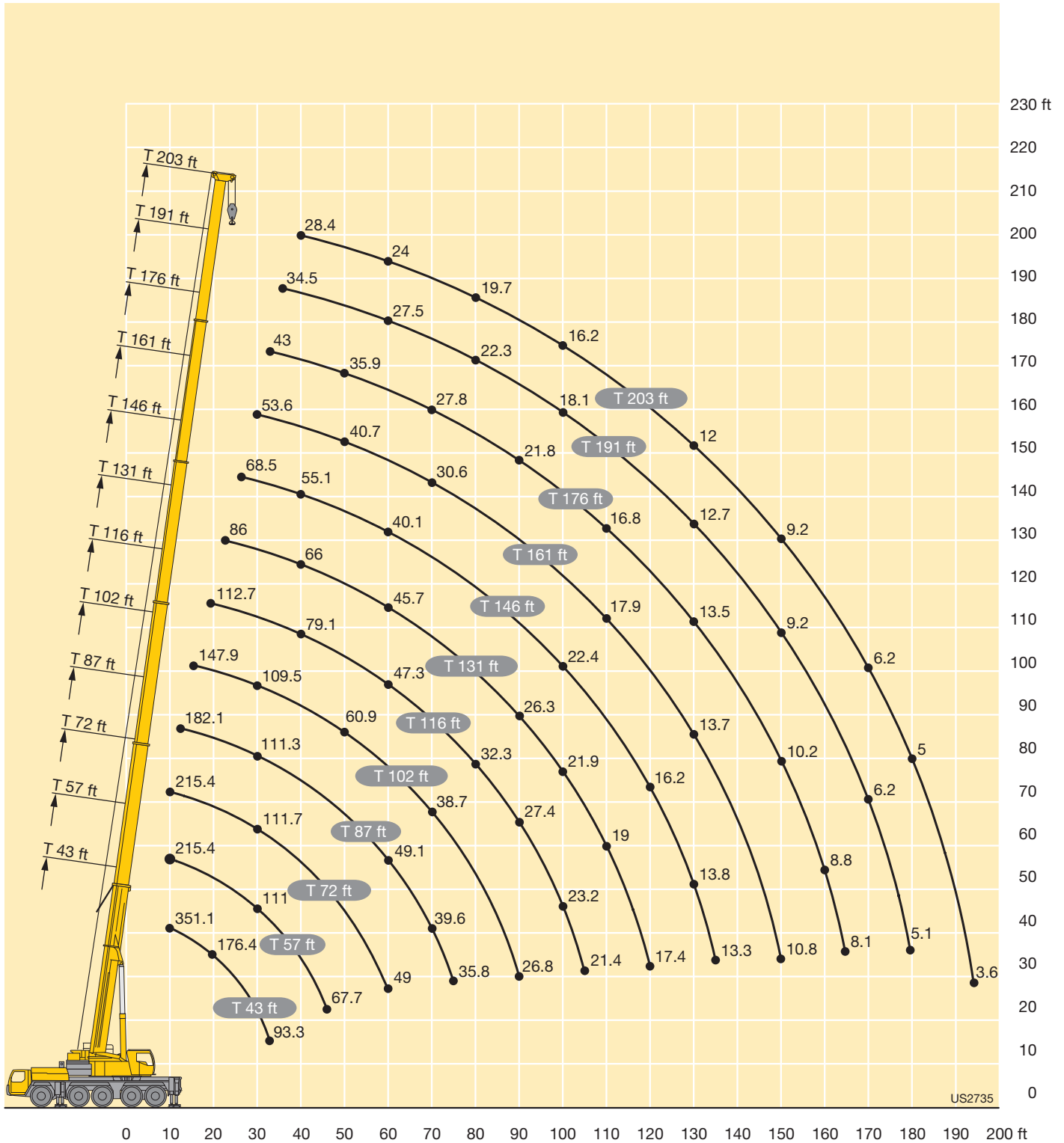
Lifting capacities Forces de levage

T

LICCON2

43 – 203 ft T 360° 0 lbs 85%													
ft	43 ft	57 ft	72 ft	87 ft	102 ft	116 ft	131 ft	146 ft	161 ft	176 ft	191 ft	203 ft	ft
10	244.9	212.9	207.5										10
11	228.5	213.3	208.2										11
12	207.7	206.8	203.1	169.9									12
13	187.7	188.6	182.2	155.6									13
14	171.6	172.1	159.7	143.4									14
15	157.6	158.1	146.7	128.8	111.8								15
16	145.4	145.7	131.3	116	107.2								16
17	134.8	131.1	117.1	109	97.2								17
18	125.6	118	108.3	99.6	89.3								18
19	114.9	105.6	100.1	91.2	81.8	76.1							19
20	103.9	96.3	91.6	83.8	75.8	71.8							20
22	85.6	82.7	78.4	72.1	68	63.3	57.2						22
24	72.2	70.7	67.7	62.7	60.9	55.8	51.9						24
26	61.2	61.3	59.3	57.1	54.2	49.7	48.1	44.7					26
28	51.5	53.9	52.4	51.7	48.6	46.6	43.5	41					28
30	44	47.8	47.3	46.7	43.8	42.3	39.7	37.3	34.3				30
32	38.1	42.3	42.5	42.2	40.4	38.5	36.2	34	31.2				32
34	33.2	37.4	38.4	38.3	36.6	35.2	33.1	31.1	28.6	26.6			34
36		33.2	34.9	35	33.7	32.3	30.4	28.6	26.2	24.4	21.7		36
38		29.7	31.8	32.2	30.9	29.9	28	26.3	24.1	22.4	19.9		38
40		26.7	28.8	29.6	28.4	27.5	25.9	24.3	22.2	20.6	18.2	16.8	40
45		20.7	22.7	24.3	23.5	22.8	21.4	20.1	18.2	16.8	14.6	13.5	45
50			18.3	19.8	19.6	19	17.9	16.7	15	13.7	11.7	10.8	50
55			14.8	16.4	16.4	16.1	15	13.9	12.4	11.3	9.4	8.6	55
60			12	13.6	13.8	13.6	12.6	11.7	10.2	9.2	7.4	6.8	60
65				11.2	11.5	11.5	10.6	9.8	8.4	7.4	5.7	5.1	65
70				9.4	9.5	9.8	8.9	8.1	6.8	5.8	3.8		70
75				7.8	7.9	8.2	7.5	6.7	5.4	4.2			75
80					6.5	6.8	6.2	5.4	3.9				80
85					5.3	5.6	5	4.3					85
90					4.3	4.5	4						90
95						3.5							95

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Lifting capacities Forces de levage

TK

LICCON2



	43 ft			57 ft			72 ft			87 ft			102 ft			116 ft			
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	112.7	92.9		112.7															10
11	112.7	90.3		112.7			112.7												11
12	112.7	87.8		112.7			112.7												12
13	112.7	85.4		112.7	90.2		112.7												13
14	111.2	83.1	67.1	112.7	88.2		112.7			112.7									14
15	108.2	80.9	65.8	112.7	86.3		112.7	88.9		112.7									15
16	104.9	79	64.6	112.7	84.4	66.8	112.7	87.3		112.7									16
17	101.8	77	63.5	112.1	82.7	65.9	112.7	85.7		112.7			94.6						17
18	98.6	75.1	62.5	110.5	81.1	64.9	112.7	84.1		111.9	85.5		94.6						18
19	95.5	73.4	61.4	108.2	79.4	64	112.3	82.5	65.4	110.7	84.2		94.6						19
20	92.5	71.8	60.4	105.9	77.8	63.1	110.7	81.1	64.6	109.4	82.9		94.6			76.3			20
22	87.3	68.7	58.5	101.2	74.6	61.4	107.1	78.5	63	106.7	80.3	64	94.6	80.8		76.1			22
24	82.3	65.6	56.9	96.5	72.1	59.8	103.4	75.9	61.7	104	77.9	62.7	94.6	78.8		75.2			24
26	77.6	63.2	55.2	91.9	69.5	58.4	99.7	73.3	60.3	101.3	75.8	61.5	94.6	76.8	62.4	72.8	57.5		26
28	73.8	60.9	53.9	88.1	67	57.1	95.9	71.1	59	98.6	73.7	60.4	94.6	74.9	61.3	70.4	57.5		28
30	70.2	58.6	52.7	84.4	64.7	55.7	92.2	69.2	57.9	95.8	71.7	59.3	93.8	73.2	60.2	68.3	57.4	51.2	30
32	66.8	56.5	51.5	80.4	62.9	54.6	88.5	67.2	56.8	93	69.7	58.2	92.1	71.6	59.3	66.2	55.9	50	32
34	63.8	54.6	50.3	76.9	61.1	53.6	85.4	65.2	55.8	90.2	68.1	57.1	90.1	69.9	58.4	64.2	54.5	48.8	34
36	61.1	53.1	49.5	73.3	59.3	52.7	82.6	63.3	54.7	86.2	66.5	56.3	87.6	68.2	57.5	62.1	53.1	47.7	36
38	58.6	51.6	48.8	70.2	57.6	51.7	79.8	61.9	53.8	81.6	65	55.4	82.7	66.7	56.6	60	51.8	46.8	38
40	56.3	50	48.1	67.8	56	50.8	77	60.5	53	76.6	63.4	54.6	77.3	65.4	55.8	58.2	50.4	45.8	40
45	51.3	47.4	25.9	62	52.8	49.2	67.2	57	51.2	65.8	60	52.6	66.7	62.3	54.1	54.5	47.4	43.5	45
50	47.3	40.4	2.3	56.9	49.8	47.8	58.7	53.9	49.5	57.3	57.3	51.2	58.2	58.4	52.4	50.9	44.9	41.5	50
55				52.6	47.7	45.4	51.8	51.5	48.4	50.4	51.4	49.7	51.2	52.2	50.9	47.5	42.5	39.7	55
60				47	46.2	9.7	46.1	46.7	46.7	44.6	45.4	45.9	45.4	46.3	46.9	45	40.4	38	60
65				41.8	26.3		40.8	41.4	41.6	39.3	40	40.5	40.1	41	41.5	41.3	38.7	36.7	65
70							36.3	36.8	16.2	34.8	35.4	35.7	35.7	36.4	36.8	36.8	36.9	35.4	70
75							32.6	32.8	7.4	31	31.5	31.7	31.8	32.4	32.8	33	33.8	33.9	75
80							29.3	18.3		27.7	28.1	26.5	28.5	29	29.3	29.6	30.3	30.6	80
85										24.8	25.1	10.4	25.6	26	26.2	26.7	27.3	27.6	85
90										22.3	22.4	6	23	23.4	23.5	24.1	24.7	24.8	90
95										20.1	13.1		20.7	21	12.3	21.8	22.3	22.4	95
100													18.7	18.9	8.7	19.7	20.2	20.3	100
105													16.9	17	5.1	17.9	18.3	18.3	105
110													15.4	9.6		16.2	16.6	10.6	110
115																14.8	15	7.5	115
120																13.5	13.6	4.4	120
125																12.5	7		125

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Lifting capacities Forces de levage

TK

LICCON2



 ft	131 ft			146 ft			161 ft			176 ft			191 ft			203 ft			 ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	57.5																		24
26	57.5																		26
28	57.5			52.8															28
30	57.5	56.2		51.7															30
32	57.5	54.9	49.2	50.6			38.6												32
34	57.5	53.5	48.3	49.5	49.2		38.6												34
36	57.5	52.2	47.3	48.4	47.9		38.6			32.2									36
38	57.4	51	46.4	47.3	46.6	44.7	38.4	38.4		31.7									38
40	56.5	49.9	45.4	46	45.2	43.8	38	37.8		31.2			25.3						40
45	52	47.4	43.5	42.7	42.1	41.6	36.1	35.6	35.3	29.9	29.5	29	24.4	23.8		20.3			45
50	48.2	44.8	41.6	39.5	39.1	39	33.8	33.5	33.2	28.6	28	27.8	23.4	22.9	22.8	19.7	19.5		50
55	44.7	42.4	39.9	36.7	36.2	36.2	31.6	31.4	31.3	27	26.5	26.4	22.4	21.9	21.7	19.1	18.8	18.8	55
60	41.2	40	38.4	34.2	33.8	33.6	29.5	29.4	29.4	25.5	25.2	25	21.4	20.9	20.7	18.4	18	18.1	60
65	38.2	37.6	37	31.8	31.6	31.5	27.7	27.5	27.6	24.1	23.8	23.7	20.4	19.9	19.8	17.6	17.3	17.3	65
70	34.9	35.3	35.3	29.5	29.4	29.4	25.9	25.8	25.9	22.7	22.4	22.4	19.4	19	18.9	16.8	16.5	16.5	70
75	31.4	32.2	32.7	27.6	27.3	27.4	24.2	24.2	24.3	21.4	21.2	21.1	18.5	18.1	18	15.9	15.8	15.8	75
80	28.3	29	29.4	25.9	25.7	25.7	22.5	22.6	22.7	20.1	20	20	17.6	17.2	17.2	15.1	15	15	80
85	25.4	26	26.4	24.2	24.2	24.2	21.2	21.1	21.2	18.8	18.8	18.9	16.7	16.4	16.4	14.4	14.3	14.3	85
90	22.8	23.4	23.7	22.2	22.6	22.7	20	19.9	20	17.7	17.7	17.8	15.8	15.6	15.6	13.8	13.7	13.7	90
95	20.5	21	21.3	20.1	20.6	20.9	18.8	18.8	18.9	16.7	16.7	16.8	14.9	14.8	14.9	13.2	13.1	13.1	95
100	18.5	18.9	19.1	18.1	18.6	18.9	17.6	17.6	17.7	15.8	15.8	15.9	14.1	14.1	14.1	12.6	12.5	12.6	100
105	16.6	17	17.1	16.3	16.7	16.9	16.3	16.4	16.6	14.9	14.9	15.1	13.5	13.4	13.5	11.9	11.9	12	105
110	15	15.3	15.4	14.6	15	15.2	14.9	15.2	15.4	14	14.1	14.2	12.9	12.8	12.9	11.4	11.4	11.5	110
115	13.5	13.8	13.8	13.2	13.5	13.6	13.5	13.8	14	13.1	13.2	13.3	12.2	12.2	12.3	10.9	10.9	11	115
120	12.3	12.5	12.1	12	12.3	12.4	12.2	12.6	12.7	12.2	12.4	12.5	11.6	11.6	11.7	10.4	10.4	10.5	120
125	11.3	11.4	9.4	10.9	11.2	11.3	11.1	11.4	11.5	11.2	11.5	11.7	11	11	11.1	9.9	9.9	10	125
130	10.2	10.3	6.7	9.8	10	10.1	10	10.3	10.4	10.6	10.6	10.7	10.3	10.4	10.5	9.4	9.4	9.5	130
135	9.1	9.2	4	8.6	8.9	8.8	9.3	9.4	9.4	10.1	10.2	10.2	9.6	9.8	9.9	8.9	9	9	135
140	8.5	6.1		7.6	7.8	7.7	8.9	9	9	9.7	9.7	9.7	8.7	9	9.1	8.3	8.5	8.5	140
145				6.7	6.8	6	8.5	8.6	8.6	9.1	9.2	9.3	7.8	8.1	8.2	7.5	7.8	7.9	145
150				5.8	5.9	3.6	8.1	8.1	8.2	8.3	8.5	8.6	7.1	7.3	7.4	6.7	7	7.1	150
155				5.1	5		7.8	7.8	7.6	7.5	7.7	7.7	6.3	6.6	6.6	6	6.3	6.4	155
160							7.4	7.5	5.5	6.7	6.9	6.8	5.6	5.8	5.8	5.4	5.6	5.7	160
165							6.8	6.8	3.3	6	6.1	6.1	4.8	5	5	4.7	4.9	5	165
170							6.2			5.3	5.4	5.4	4.2	4.3	4.3	4.1	4.3	4.3	170
175										4.7	4.8	4.7	3.5	3.7	3.6	3.4	3.6	3.6	175
180										4.1	4.2	3.1	3	3.1	3	2.8	3	3	180
185										3.7			2.4	2.5	2.4	2.3	2.4	2.4	185

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Lifting capacities Forces de levage

TK

LICCON2



ft	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft			ft							
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft										
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°								
10	38.6																										10								
11	38.6																										11								
12	38.6																										12								
13	38.6																										13								
14	38.6																										14								
15	38.6																										15								
16	38.6																										16								
17	38.6				38.6																						17								
18	38.6				38.6																						18								
19	38.6				38.6																						19								
20	38.6	37.6			38.6			38.6																			20								
22	38.6	35.7			38.6			38.6																			22								
24	38.6	34.1			38.6			38.6			38.6																24								
26	38.6	32.6			38.6			38.6			38.6																26								
28	38.6	31.3			38.6			38.6			38.6			37.1								17.4					28								
30	38.6	30			38.6			38.6			38.6			36.9													30								
32	38.5	28.9	21.4		38.6	32.4		38.6			38.6			36.7		30.4											32								
34	38	27.9	21.3		38.6	31.6		38.6			38.6			36.6		30.2		19.4									34								
36	36.7	26.8	20.8		38.6	30.8		38.6	31		38.6			36.4		29.9		23.9									36								
38	35.4	25.9	20.3		38.6	30.1		38.6	30.4		38.6			36.2		29.6		23.8			17.4						38								
40	34.1	25.1	19.9		38.6	29.4		38.6	29.7		38.6	29.3		36		29.4		23.6			17.3						40								
45	30.3	23.1	18.9		38.2	27.7	20.2		38.6	28.2	20.3		38.2	27.9		34.6	27	28.7		23.1		17			14		45								
50	27.3	21.5	18.2		35.5	26.4	19.5		36.9	26.8	19.7		36.1	26.7	19.6		32.9	26		27.7	24.5		22.5		16.8		13.7	50							
55	24.5	20.2	17.6		32.6	25.1	19		34.5	25.7	19.2		34.2	25.5	19.2		31.1	25	18.9		26.3	23.7		21.8	20.4		16.5		13.5	55					
60	22.2	19	17.3		30.5	23.9	18.5		32	24.5	18.7		32.3	24.5	18.7		29.4	24.1	18.5		25	22.9	18.2		20.8	19.5		16	15.2		13.2	60			
65	20.1	18.1	17.1		28.7	22.9	18.1		30	23.5	18.3		30.4	23.7	18.3		27.7	23.2	18.2		23.7	22.1	17.8		19.8	18.6	17.3	15.3	14.7		12.9	12.5	65		
70	18.5	17.4			26.8	21.9	17.7		28.4	22.6	17.9		28.6	22.8	17.9		26	22.5	17.9		22.4	21.4	17.5		18.8	17.8	17	14.7	14.1	13.7	12.5	12.1	70		
75					24.9	20.9	17.4		26.8	21.7	17.6		27.1	22	17.7		24.3	21.8	17.5		21.1	20.5	17.3		17.9	16.9	16.3	14.1	13.6	13.2	12.1	11.8	11.6	75	
80					23.4	20	17.2		25.3	20.9	17.3		25.9	21.2	17.4		22.6	21.1	17.3		19.9	19.5	17		17	16.1	15.7	13.5	13	12.8	11.8	11.4	11.3	80	
85					22.2	19.2	17		23.8	20	17.1		24.7	20.4	17.1		21.4	20.2	17.1		18.6	18.5	16.8		16.1	15.4	15	13	12.5	12.4	11.4	11.1	11	85	
90					21.1	18.3	16.8		22.5	19.3	16.9		23.3	19.7	17		20.2	19.4	16.9		17.5	17.5	16.4		15.2	14.8	14.4	12.6	12.1	12	11	10.7	10.6	90	
95					19.9	17.6	16.5		21.5	18.5	16.8		21.3	19	16.8		19	18.5	16.7		16.5	16.6	16		14.3	14.1	13.9	12.1	11.7	11.6	10.7	10.4	10.3	95	
100					18.9	16.9	16.2		20.5	17.8	16.6		19.5	18.4	16.6		17.9	17.6	16.6		15.6	15.6	15.7		13.5	13.4	13.4	11.7	11.3	11.2	10.3	10.1	10	100	
105					18	16.3	15.8		18.9	17.2	16.3		18.2	17.8	16.4		16.7	16.7	16.4		14.8	14.7	14.9		12.9	12.9	12.9	11.2	10.9	10.9	9.9	9.7	9.7	105	
110					17.2	15.8			17.3	16.7	15.9		16.6	17	16.2		15.3	15.8	15.9		13.9	13.8	14.1		12.3	12.3	12.4	10.8	10.5	10.5	9.5	9.4	9.4	110	
115					16.4	15.3			15.7	16.1	15.7		15.1	16.1	15.8		13.9	14.9	15		13.1	13	13.3		11.7	11.8	11.9	10.4	10.2	10.2	9.1	9.1	9.1	115	
120					15.7	14.9			14.4	15.2	15.4		13.7	14.7	15.1		13	13.7	14.2		12.1	12.4	12.6		11.1	11.2	11.5	10	9.9	9.8	8.8	8.8	8.8	120	
125					14.6	14.6			13.4	13.8			12.6	13.4	13.8		12.4	12.5	13		11.1	11.8	12.1		10.5	10.7	11	9.6	9.5	9.5	8.4	8.4	8.6	125	
130					13.5				12.5	12.8			11.7	12.3	12.7		11.5	11.7	11.9		10.2	11.1	11.4		9.9	10.2	10.5	9.2	9.2	9.2	8.1	8.1	8.3	130	
135									11.6	12			10.8	11.4			10.6	11.2	11.3		9.8	10.1	10.7		9.1	9.7	10	8.8	8.8	8.9	7.7	7.8	7.9	135	
140									10.8	11.1			9.9	10.4			9.7	10.4	10.7		9.4	9.4	9.7		8.4	9.1	9.4	8.4	8.5	8.6	7.4	7.5	7.6	140	
145									10				9	9.6			8.8	9.5			8.8	9	9.1		8	8.3	8.8	7.8	8.1	8.3	7.1	7.2	7.4	145	
150													8.2	8.6			7.9	8.6			8.1	8.6	8.7		7.7	7.7	8	7.2	7.8	7.9	6.7	6.9	7	150	
155													7.4	7.7			7.1	7.7			7.2	8			7.3	7.4	7.5	6.4	7.2	7.6	6.1	6.6	6.8	155	
160													6.7				6.3	6.8			6.5	7.1			6.9	7.1	7.2	5.8	6.5	7	5.4	6.2	6.4	160	
165														5.6	6			5.6	6			6.1	6.3			6.4	6.8		5.1	5.8	6.3	4.8	5.5	6	165
170														5	5.3			5.8	5.9			5.8	5.9			5.7	6.3		4.5	5.2	5.6	4.2	4.9	5.3	170
175														4.4				5.5	5.6			5.5	5.6			5.1	5.6		3.9	4.6	4.9	3.6	4.3	4.7	175
180																		5.2	5.4			5.2	5.4			4.5	5		3.3	4		3.1	3.8	4.1	180
185																		4.7				4.7				3.9	4.3		2.8	3.3		2.6	3.2		185
190																		4.2				4.2				3.4	3.8		2.2	2.7			2.7		190
195																										2.9	3.2								195
200																										2.4									200

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Lifting capacities Forces de levage

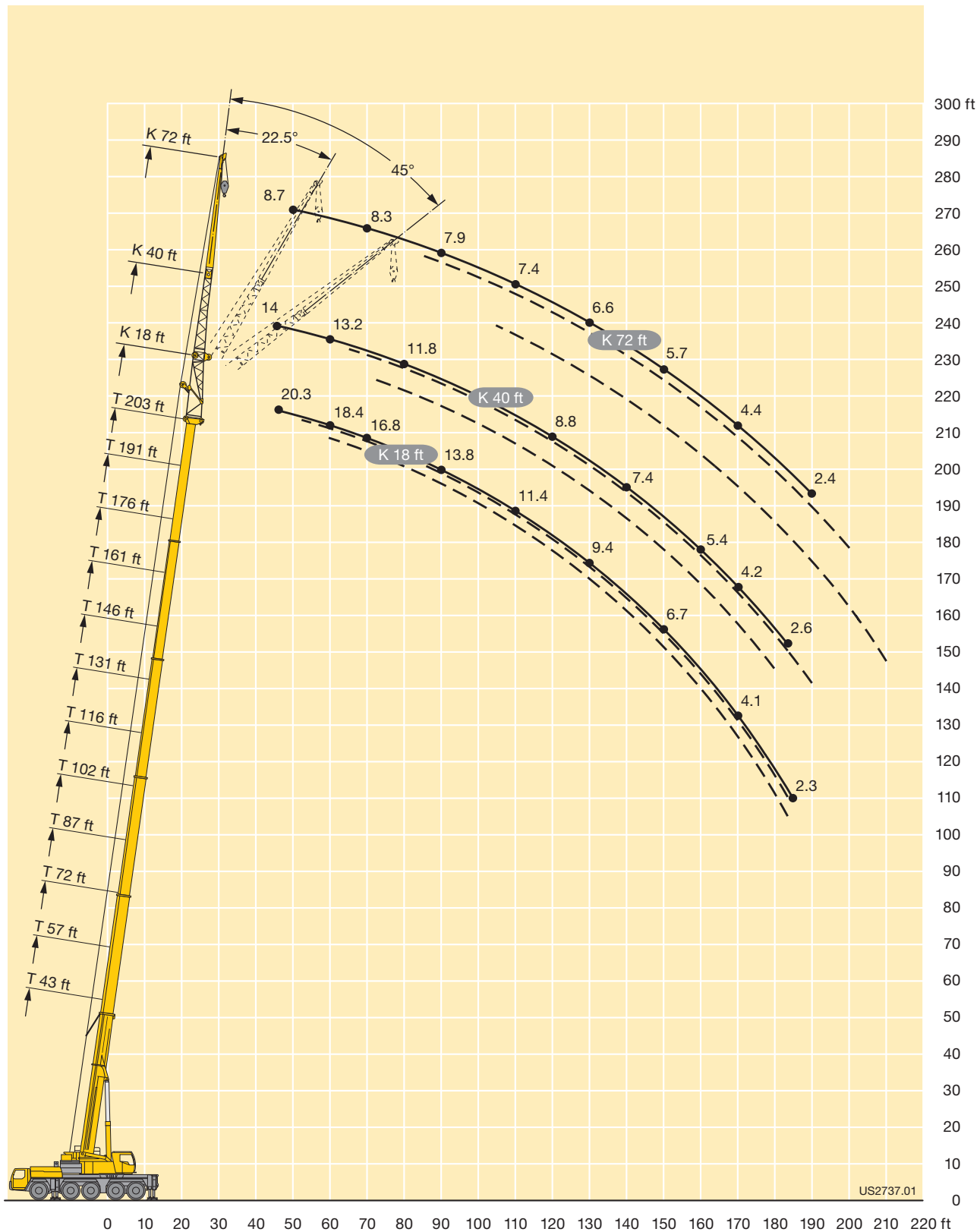
TK

LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft				
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
11	27.4																										11		
12	27.4																										12		
13	27.5																										13		
14	27.5																										14		
15	27.5																										15		
16	27.5																										16		
17	27.5																										17		
18	27.3																										18		
19	27.1																										19		
20	26.9																										20		
22	26.4				21.9																						22		
24	25.9				21.9			19.4																			24		
26	25.3				21.9			19.4																			26		
28	24.8				21.8			19.4		18.3																	28		
30	24.2				21.8			19.4		18.3																	30		
32	23.6				21.7			19.4		18.2			16.4														32		
34	23				21.6			19.4		18.2			16.4														34		
36	22.4				21.3			19.4		18.2			16.4			14.3											36		
38	21.8	17.7			21.1			19.4		18.1			16.3			14.3											38		
40	21.2	17.2			20.8			19.3		18.1			16.3			14.3			12.3								40		
45	19.8	16.1			20.2			19		17.8			16.2			14.2			12.3			10.3					45		
50	18.4	15.1			19.6	15.2		18.7		17.6			16.1			14.2			12.2			10.2			8.7		50		
55	17	14.2			18.8	14.6		18.3	15.2	17.3			15.9			14.1			12.2			10.1			8.6		55		
60	15.5	13.3	11.5		18.1	14.1		17.8	14.7	17.1	14.4		15.7			14			12.2			10			8.5		60		
65	14.4	12.5	11		17.4	13.5		17.3	14.2	16.7	13.9		15.6	13.5		13.9			12.1			9.8			8.4		65		
70	13.2	11.8	10.5		16.7	13.1	10.8	16.8	13.8	16.3	13.6		15.3	13.1		13.8	12.5		11.9			9.7			8.3		70		
75	12.1	11.2	10.1		15.9	12.6	10.6	16.4	13.3	11.1	15.9	13.2		15	12.9		13.7	12.3		11.8	11.5		9.6			8.2		75	
80	11.3	10.6	9.8		15.3	12.2	10.3	15.8	12.9	10.8	15.5	12.9	10.8	14.7	12.6	10.6	13.5	12.1		11.7	11.3		9.6	9.5		8.1		80	
85	10.6	10.2	9.5		14.6	11.8	10.1	15.3	12.5	10.6	15.1	12.5	10.6	14.4	12.3	10.5	13.2	11.8		11.6	11.1		9.5	9.3		8	8	85	
90	9.9	9.7	9.2		13.9	11.4	9.8	14.7	12.2	10.4	14.7	12.2	10.4	14.1	12	10.3	13	11.6	10.1	11.3	10.9		9.4	9.1		7.9	7.9	90	
95	9.3	9.4	9.1		13.2	11.1	9.7	14.1	11.8	10.2	14.2	11.9	10.2	13.8	11.8	10.1	12.7	11.4	9.9	11	10.6	9.6	9.2	8.9		7.8	7.8	95	
100	8.8	9.1	9.1		12.6	10.7	9.5	13.6	11.5	10	13.8	11.6	10	13.4	11.5	9.9	12.4	11.2	9.8	10.7	10.3	9.5	9	8.6	8.1	7.8	7.6	100	
105	8.4	9			12.1	10.4	9.3	13	11.2	9.8	13.3	11.3	9.8	13	11.2	9.8	12.1	10.9	9.7	10.4	10	9.4	8.8	8.4	8	7.6	7.4	7.4	105
110					11.6	10.1	9.2	12.5	10.9	9.7	12.8	11	9.7	12.6	10.9	9.6	11.8	10.7	9.5	10.1	9.7	9.3	8.5	8.2	7.8	7.4	7.2	7.2	110
115					11.1	9.9	9.1	12	10.6	9.6	12.4	10.7	9.6	12.3	10.7	9.5	11.3	10.5	9.4	9.8	9.4	9.1	8.2	8	7.6	7.2	7	7	115
120					10.7	9.6	9	11.6	10.3	9.4	12	10.4	9.4	11.9	10.4	9.4	10.9	10.2	9.3	9.4	9.1	9	7.9	7.8	7.5	7	6.8	6.8	120
125					10.2	9.4	8.9	11.2	10	9.3	11.6	10.2	9.3	11.5	10.2	9.3	10.4	10	9.2	9.1	8.8	8.8	7.7	7.5	7.4	6.8	6.6	6.6	125
130					9.9	9.1	8.8	10.8	9.7	9.2	11.2	9.9	9.2	11.1	10	9.2	9.9	9.8	9.1	8.7	8.6	8.6	7.4	7.3	7.2	6.6	6.4	6.5	130
135					9.6	8.9	8.8	10.4	9.5	9.1	10.9	9.7	9.1	10.4	9.7	9.1	9.5	9.5	9	8.4	8.3	8.3	7.2	7.1	7	6.4	6.2	6.3	135
140					9.3	8.7	8.7	10.1	9.2	9	10.4	9.4	9.1	9.6	9.5	9	9	9.3	9	8	8.1	8	6.9	6.9	6.9	6.1	6	6.1	140
145					9	8.5		9.8	9	8.9	10	9.3	9	8.9	9.3	8.9	8.2	9	8.9	7.7	7.8	7.8	6.7	6.6	6.7	5.9	5.9	6	145
150					8.7	8.4		9.5	8.8	8.8	9.5	9.1	8.9	8.6	9.1	8.9	7.5	8.6	8.7	7.3	7.6	7.6	6.5	6.4	6.5	5.7	5.7	5.8	150
155					8.5	8.3		9.2	8.7		8.7	8.9	8.8	8.2	8.7	8.8	7.1	8.2	8.4	6.6	7.3	7.4	6.2	6.2	6.3	5.5	5.5	5.6	155
160					8.3	8.3		8.8	8.5		7.9	8.7	8.8	7.6	8	8.6	6.8	7.6	8.1	6	7	7.2	6	6	6.1	5.2	5.3	5.5	160
165					8.2			8.3	8.4		7.2	8.2		6.9	7.7	7.9	6.5	6.8	7.7	5.8	6.6	6.9	5.4	5.8	6	4.9	5.2	5.3	165
170								7.7	8.1		6.5	7.5		6.2	7.3	7.6	6.1	6.3	7	5.5	6.1	6.7	4.9	5.6	5.8	4.4	5	5.2	170
175								7			5.9	6.7		5.5	6.6		5.5	6.1	6.3	5.3	5.5	6.2	4.3	5.4	5.6	3.9	4.8	5	175
180								5.8			5.3	6		4.9	5.9		4.9	5.8	6	5	5.2	5.6	3.8	5	5.4	3.4	4.6	4.8	180
185											4.8	5.3		4.4	5.2		4.4	5.4	5.8	4.6	5	5.1	3.3	4.5	5.1	2.9	4.1	4.6	185
190											4.3			3.9	4.6		4.2	4.7		4	4.8	4.9	2.8	3.9	4.6	2.4	3.6	4.4	190
195											3.8			3.4	4		4	4.2		3.5	4.5	4.7	2.4	3.4	4		3.1	3.8	195
200														2.9	3.4		3.8	3.9		3.1	3.9		2.9	3.5		2.6	3.3	200	
205														2.5			3.5	3.7		2.6	3.4		2.5	2.9			2.7	205	
210																	3.1	3.5			2.9						2.2	210	
215																	2.7	3			2.4							215	
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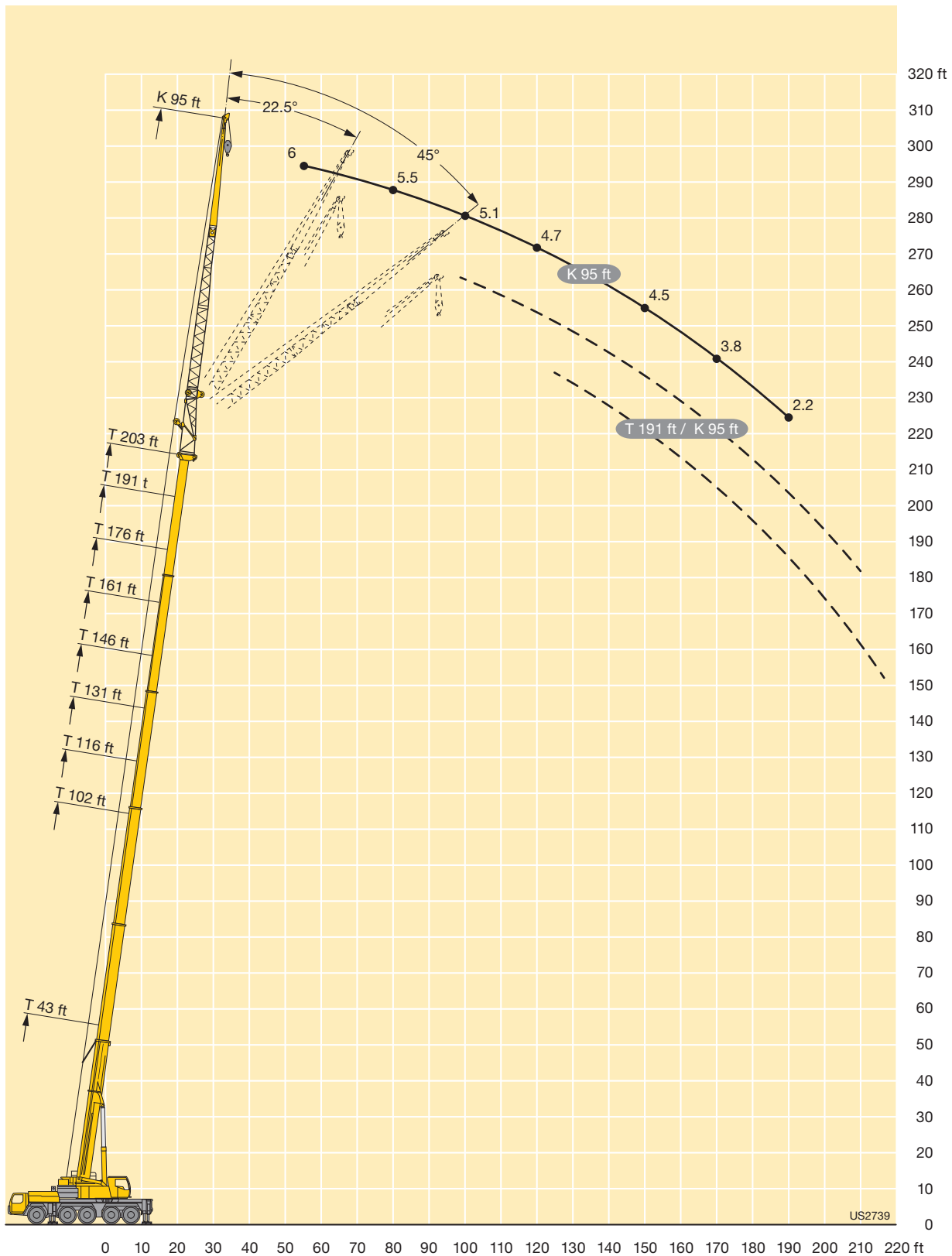
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LICCON2



ft	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft	ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	
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45	15.7																									45
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55	13.5	11.2																								55
60	12.6	10.6																								60
65	11.6	10.1																								65
70	10.6	9.5																								70
75	9.8	9																								75
80	9.2	8.5	7.6																							80
85	8.6	8.1	7.2																							85
90	8	7.7	6.9																							90
95	7.5	7.3	6.7																							95
100	7	7	6.4																							100
105	6.7	6.7	6.3																							105
110	6.3	6.4	6.1																							110
115	5.9	6.2	6																							115
120	5.6	6	6																							120
125	5.3	5.9																								125
130																										130
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Lifting capacities Forces de levage

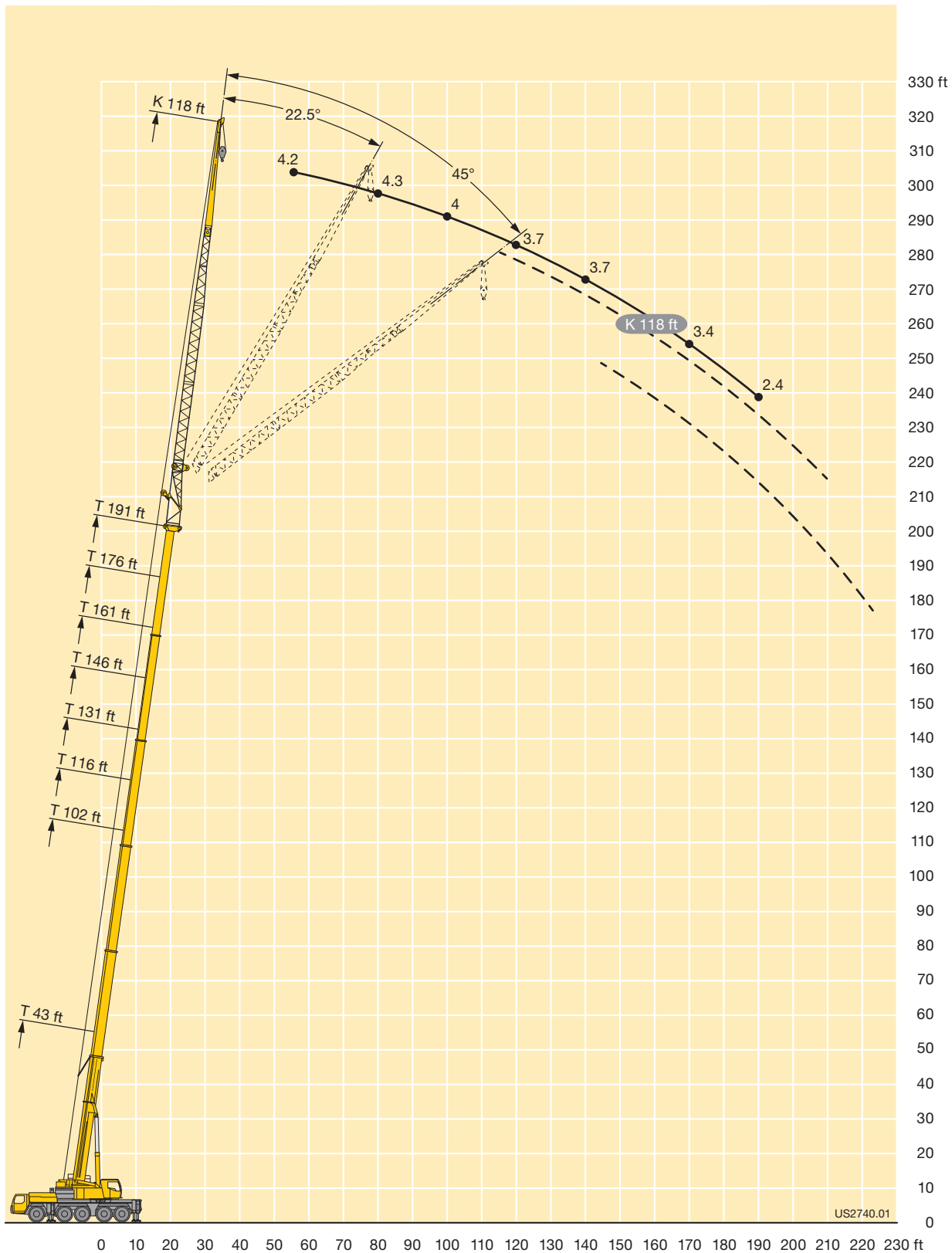
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LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
18	12.3																							18	
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22	12.9																							22	
24	12.9																							24	
26	12.8																							26	
28	12.8																							28	
30	12.8			10.3																				30	
32	12.7			10.3			9.8																	32	
34	12.5			10.3			9.8																	34	
36	12.3			10.3			9.7		9.1															36	
38	12.2			10.2			9.7		9.1															38	
40	12			10.2			9.7		9			8.2												40	
45	11.5			10.1			9.6		9			8.2		7.2										45	
50	10.9			9.9			9.5		8.9			8.1		7.2			6							50	
55	10.3			9.8			9.4		8.8			8.1		7.2			6.1			4.2				55	
60	9.7			9.6			9.3		8.7			8		7.1			6.1			4.3				60	
65	9.2	7.7		9.5			9.1		8.6			7.9		7.1			6.1			4.3				65	
70	8.6	7.3		9.2			9		8.5			7.8		7			6.1			4.3				70	
75	8.1	6.9		8.9			8.8		8.4			7.7		7			6			4.3				75	
80	7.5	6.5		8.6	6.9		8.5	6.8	8.2			7.6		6.9			6			4.3				80	
85	7	6.2		8.3	6.7		8.2	6.6	8	6.5		7.5		6.8			5.9			4.2				85	
90	6.5	5.9		8	6.4		7.9	6.4	7.8	6.3		7.4	6.1	6.7			5.9			4.1				90	
95	6.1	5.6		7.7	6.2		7.7	6.2	7.5	6.1		7.2	5.9	6.7			5.8			4				95	
100	5.7	5.4	4.7	7.4	6		7.4	6	7.3	5.9		7	5.7		6.5	5.5	5.8			4				100	
105	5.4	5.2	4.5	7.2	5.8		7.2	5.8	7.1	5.8		6.8	5.6		6.4	5.4	5.7	5		3.9				105	
110	5	5	4.4	6.9	5.6	4.7	7	5.6		6.9	5.6		6.7	5.5		6.3	5.2		5.6	4.9		3.8			110
115	4.7	4.8	4.3	6.7	5.5	4.6	6.7	5.5	4.5	6.7	5.5		6.5	5.3		6.1	5.1		5.5	4.8		3.7	4.4		115
120	4.4	4.6	4.2	6.4	5.3	4.5	6.5	5.3	4.4	6.5	5.3	4.4	6.3	5.2		6	5		5.4	4.7		3.7	4.3		120
125	4.2	4.4	4	6.1	5.1	4.4	6.3	5.2	4.4	6.3	5.2	4.3	6.1	5.1	4.2	5.8	4.9		5.3	4.6		3.7	4.2		125
130	3.9	4.2	4	5.9	5	4.3	6.1	5	4.3	6.1	5	4.2	6	4.9	4.2	5.7	4.8	4.1	5.2	4.5		3.7	4.1		130
135	3.7	4	3.9	5.7	4.8	4.2	5.9	4.9	4.2	5.9	4.9	4.2	5.8	4.8	4.1	5.5	4.7	4	5.1	4.4	3.9	3.7	4.1		135
140	3.5	3.9	3.8	5.5	4.7	4.1	5.7	4.8	4.1	5.7	4.8	4.1	5.7	4.7	4	5.4	4.6	4	5	4.3	3.8	3.7	4		140
145	3.3	3.8	3.8	5.2	4.6	4.1	5.5	4.7	4.1	5.6	4.7	4.1	5.5	4.6	4	5.3	4.5	3.9	4.9	4.3	3.8	3.7	3.9	3.6	145
150	3.2	3.8		5	4.5	4	5.3	4.5	4	5.4	4.6	4	5.4	4.5	3.9	5.2	4.4	3.9	4.8	4.2	3.7	3.7	3.8	3.5	150
155				4.8	4.4	4	5.1	4.4	4	5.2	4.5	3.9	5.2	4.4	3.9	5.1	4.3	3.8	4.6	4.1	3.7	3.7	3.8	3.5	155
160				4.6	4.3	3.9	4.9	4.3	3.9	5.1	4.4	3.9	5.1	4.3	3.8	4.9	4.2	3.8	4.5	4	3.7	3.7	3.6	3.4	160
165				4.4	4.2	3.9	4.7	4.2	3.9	4.9	4.3	3.9	4.9	4.2	3.8	4.8	4.1	3.7	4.3	4	3.6	3.6	3.5	3.3	165
170				4.2	4.1	3.8	4.5	4.2	3.9	4.7	4.2	3.8	4.8	4.1	3.8	4.7	4.1	3.7	4.1	3.9	3.6	3.4	3.4	3.3	170
175				4.1	4	3.8	4.4	4.1	3.8	4.6	4.1	3.8	4.6	4.1	3.7	4.2	4	3.7	3.8	3.9	3.6	3.3	3.3	3.2	175
180				3.9	3.9	3.8	4.2	4	3.8	4.4	4	3.8	4.5	4	3.7	4.1	3.9	3.7	3.4	3.8	3.6	3.1	3.2	3.2	180
185				3.8	3.8	3.8	4.1	3.9	3.8	4.3	4	3.8	4.4	3.9	3.7	3.9	3.9	3.6	3.1	3.8	3.6	2.8	3.1	3.1	185
190				3.6	3.8		3.9	3.9	3.8	4.1	3.9	3.8	4.1	3.9	3.7	3.7	3.8	3.6	2.9	3.7	3.6	2.4	3	3	190
195				3.5	3.8		3.8	3.8	3.8	4	3.9	3.8	3.7	3.8	3.7	3.3	3.7	3.6	2.8	3.6	3.6		2.9	2.9	195
200				3.4	3.8		3.7	3.8		3.7	3.8	3.8	3.2	3.8	3.7	2.9	3.6	3.6	2.6	3.3	3.6		2.8	2.9	200
205				3.3	3.8		3.5	3.7		3.2	3.8	3.8	2.7	3.7	3.7	2.5	3.3	3.6	2.4	2.9	3.6		2.6	2.8	205
210				3.3			3.5	3.7		2.8	3.7		2.3	3.6	3.7		3.2	3.5		2.6	3.5		2.4	2.7	210
215							3.3	3.7		2.4	3.4			3.2	3.7		3	3.2		2.4	3.1			2.7	215
220							3.1	3.5			2.9			2.7	3.3		2.7	3.1		2.3	2.6			2.5	220
225							2.8				2.4						2.2	2.8		2.3				2.2	225
230																		2.3							230

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Lifting capacities Forces de levage

TVK

LICCON2

		 43 – 203 ft			 23 ft			 18 ft			 360°			 102500 lbs			 85%														
 ft	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			203 + 23 ft			 ft			
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
10	72.4																										10				
11	70.2																										11				
12	67.9																										12				
13	65.7																										13				
14	63.8	55.8																									14				
15	61.9	54.4																									15				
16	60	53																									16				
17	58.3	51.6																									17				
18	56.7	50.3	46.2																								18				
19	55.1	49.1	45.2																								19				
20	53.6	47.9	44.2																								20				
22	50.7	45.6	42.2	50																							22				
24	48	43.3	40.2	48.6																							24				
26	45.5	41.2	38.2	47.3			45.8																				26				
28	42.9	39.3	36.3	45.9	41		44.7			38.6																	28				
30	40.5	37.4	34.8	44.5	39.7	36.9	43.7	39.3		38.6																	30				
32	38.4	35.5	33.3	43.1	38.4	35.9	42.7	38.3		38.5		34.7															32				
34	36.6	33.8	31.9	41.6	37.3	34.8	41.6	37.4	35	38.4	35.5	34.2															34				
36	34.7	32.3	30.5	40.1	36.1	33.7	40.4	36.4	34.1	37.8	34.8	33.8		28.7													36				
38	32.8	31.1	29.4	38.6	35.1	32.8	39.3	35.4	33.2	37	34.2	32.4	33.3	31.3	28.5		18.5										38				
40	31	29.8	28.4	37.2	34	31.9	38.1	34.5	32.3	36.3	33.5	31.7	32.8	30.9	28.3		18.3										40				
45	27.3	26.7	25.8	34.3	31.3	29.7	35.2	32.3	30.4	34.4	31.8	30	31.6	29.8	28.6	27.6	26.5	22.4	17.5	16							45				
50	24.5	24.4	23.7	31.8	29.3	27.8	32.8	30	28.5	32.4	30.1	28.5	30.3	28.6	27.3	26.9	25.8	24.4	21.6	21.2	16.8	15.6	15.5		12.8		50				
55	21.8	22.3	21.9	29.4	27.3	26.2	30.8	28.3	26.8	30.5	28.3	27	29	27.3	26.1	25.7	25.1	23.6	20.7	20.3	19.9	15.2	15	15	12.6	12.5		55			
60	19.9	20.5	20.4	27.3	25.5	24.6	28.7	26.7	25.5	28.9	26.7	25.6	27.6	26	25	24.3	23.9	22.8	19.8	19.4	19.1	14.8	14.5	14.5	12.3	12.2	12.3	60			
65	18	19	12.3	25.7	24	23.2	26.8	25	24.1	27.4	25.5	24.4	26.3	24.7	23.8	23	22.7	21.9	18.9	18.5	18.3	14.3	14	14	12	11.9	12	65			
70	16.5	17.4	6.1	24.2	22.7	22.1	25.4	23.6	22.8	25.8	24.2	23.3	24.9	23.6	22.8	21.7	21.5	21	18	17.6	17.5	13.7	13.5	13.5	11.7	11.6	11.6	70			
75	15.1			22.6	21.4	20.9	24.1	22.6	21.8	24.4	23	22.2	23.5	22.6	22	20.5	20.3	20.1	17.1	16.8	16.7	13.2	13	13	11.3	11.3	11.3	75			
80				21.1	20.2	19.8	22.7	21.5	20.9	23.3	21.9	21.3	22.2	21.6	21.1	19.4	19.2	19.2	16.3	15.9	15.9	12.7	12.6	12.5	11	10.9	10.9	80			
85				20.1	19.1	18.8	21.4	20.4	19.9	22.3	21	20.5	20.9	20.6	20.3	18.2	18.2	18.2	15.5	15.2	15.2	12.2	12.1	12.1	10.7	10.6	10.6	85			
90				19	18.3	18	20.3	19.3	19	21.3	20.2	19.7	19.7	19.6	19.4	17.1	17.1	17.2	14.8	14.6	14.5	11.8	11.7	11.6	10.3	10.3	10.3	90			
95				18	17.4	17.3	19.3	18.5	18.2	20.2	19.3	18.9	18.6	18.6	18.4	16.1	16.1	16.2	14	13.9	13.9	11.4	11.3	11.3	10	9.9	10	95			
100				17.1	16.5	16.5	18.5	17.7	17.5	19.2	18.4	18.2	17.5	17.5	17.4	15.3	15.2	15.3	13.3	13.2	13.3	11	10.9	10.9	9.7	9.6	9.6	100			
105				16.3	15.9	15.9	17.7	17	16.9	18	17.6	17.5	16.4	16.5	16.5	14.5	14.5	14.6	12.6	12.6	12.7	10.6	10.5	10.5	9.4	9.3	9.3	105			
110				15.6	15.3	15.4	16.8	16.3	16.2	16.7	16.7	16.6	15.3	15.4	15.5	13.7	13.7	13.8	12	12	12.1	10.2	10.1	10.1	9	9	9.1	110			
115				14.9	14.7	11.7	15.6	15.6	15.7	15.2	15.5	15.6	14	14.3	14.5	12.8	13	13	11.5	11.5	11.5	9.8	9.8	9.8	8.7	8.7	8.8	115			
120				14.3	14.2	8.9	14.2	14.4	14.5	13.8	14.1	14.2	12.8	13.1	13.2	12	12.2	12.3	10.9	10.9	11	9.5	9.4	9.4	8.4	8.4	8.5	120			
125				13.9	13.8	6	13.1	13.3	12.9	12.7	12.9	13	12	12	12.1	11.2	11.4	11.5	10.4	10.4	10.5	9.1	9.1	9.1	8.1	8.1	8.2	125			
130				13.3	13.3	3.2	12.3	12.3	10.4	11.7	11.9	11.9	11.4	11.4	11.5	10.2	10.5	10.7	9.8	9.9	10	8.8	8.8	8.8	7.8	7.8	7.9	130			
135							11.4	11.5	7.9	10.8	11	11	10.7	10.8	10.9	9.5	9.5	9.7	9.2	9.4	9.4	8.4	8.4	8.5	7.5	7.5	7.6	135			
140							10.6	10.7	5.4	9.9	10.1	10.1	9.8	10	10	9.1	9.1	9.2	8.3	8.6	8.8	8.1	8.1	8.2	7.1	7.2	7.3	140			
145							9.9	9.9	3.1	9	9.1	9.1	8.8	9	9.1	8.6	8.7	8.7	7.7	7.8	7.9	7.7	7.8	7.9	6.8	6.9	7	145			
150										8.1	8.2	7.2	7.9	8.1	8.1	8.1	8.3	8.3	7.4	7.4	7.5	7.2	7.4	7.5	6.5	6.6	6.7	150			
155										7.3	7.3	4.9	7.1	7.3	7.2	7.3	7.5	7.5	7.1	7.1	7.1	6.5	6.8	6.9	6.1	6.3	6.3	155			
160										6.5	6.5	3.1	6.3	6.4	6.4	6.5	6.7	6.7	6.8	6.8	6.8	5.8	6.1	6.2	5.5	5.7	5.8	160			
165													5.6	5.7	5.6	6	6	6	6.4	6.5	6.5	5.2	5.4	5.5	4.9	5.1	5.2	165			
170													4.9	5	4.5	5.7	5.7	5.7	5.7	5.9	5.9	4.6	4.8	4.9	4.3	4.5	4.6	170			
175													4.3	4.3	3.1	5.4	5.4	5.4	5.1	5.2	5.2	4	4.2	4.2	3.7	3.9	4	175			
180																5.1	5.2	5.1	4.5	4.6	4.6	3.4	3.6	3.6	3.2	3.4	3.4	180			
185																4.6	4.7	4.2	3.9	4	4	2.8	3	3	2.7	2.8	2.9	185			
190																4.1	4.1	3.1	3.4	3.5	3.4	2.3	2.4	2.4		2.3	2.3	190			
195																			2.9	2.9	2.8							195			
200																						2.4	2.4	2.3				200			

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Lifting capacities Forces de levage

TVK

LICCON2

		 43 – 203 ft			 23 ft			 40 ft																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Lifting capacities Forces de levage

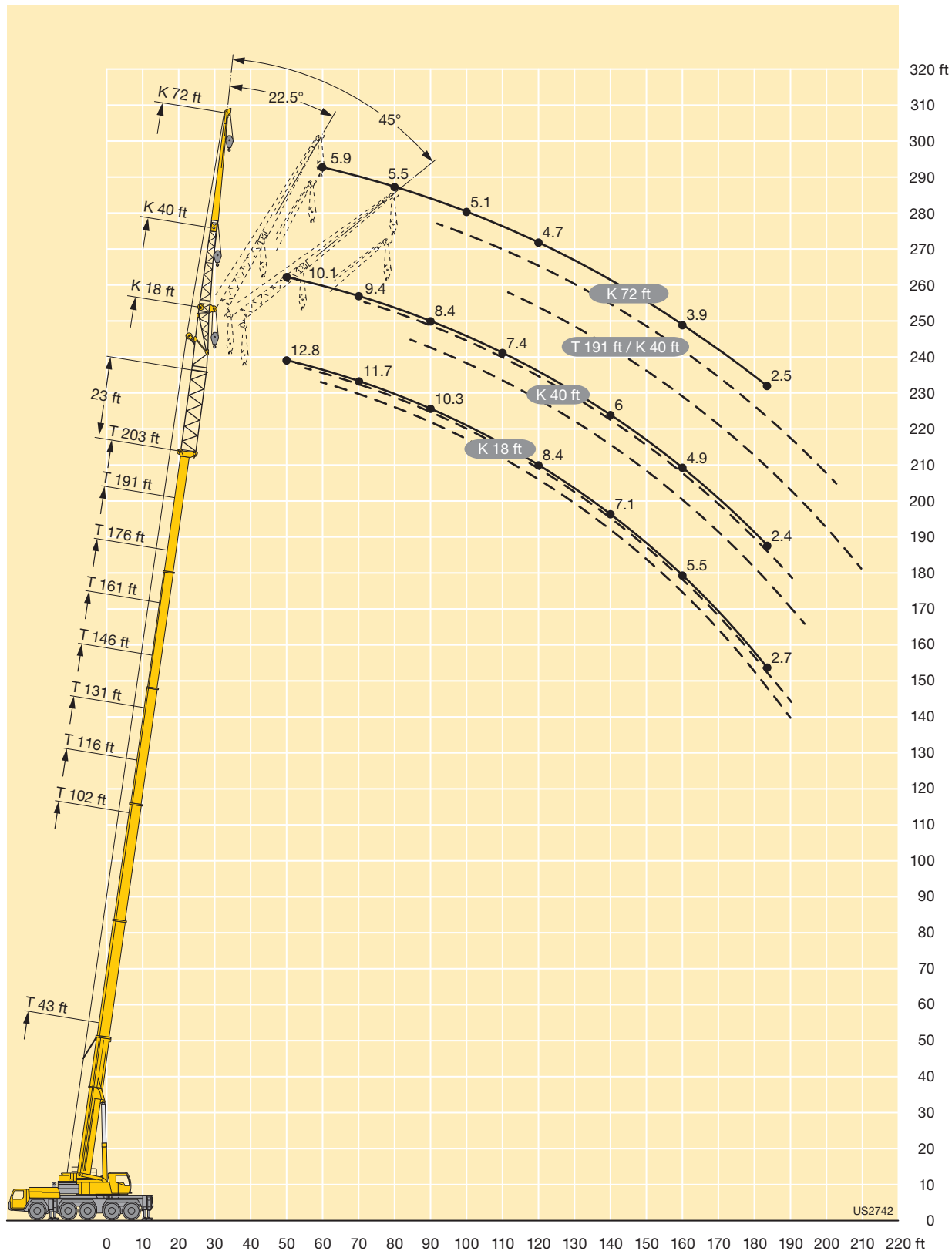
TVK

LICCON2



ft	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			203 + 23 ft	ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft	
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	
15	23.4																									15
16	23.4																									16
17	23.4																									17
18	23.4																									18
19	23.4																									19
20	23.4																									20
22	23																									22
24	22.6																									24
26	22.1																									26
28	21.6																									28
30	21																									30
32	20.5																									32
34	19.9																									34
36	19.3																									36
38	18.7																									38
40	18.1																									40
45	16.6	14.5																								45
50	15.2	13.3																								50
55	13.9	12.3																								55
60	12.7	11.4																								60
65	11.5	10.7	9.8																							65
70	10.7	10	9.3																							70
75	9.9	9.3	8.7																							75
80	9.2	8.8	8.3																							80
85	8.5	8.3	7.9																							85
90	8	7.8	7.5																							90
95	7.6	7.3	7.1																							95
100	7.1	7	6.8																							100
105	6.7	6.6	6.5																							105
110	6.4	6.3	6.3																							110
115	6	6	6																							115
120	5.7	5.7	5.9																							120
125	5.5	5.6																								125
130																										130
135																										135
140																										140
145																										145
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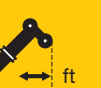


Lifting capacities Forces de levage

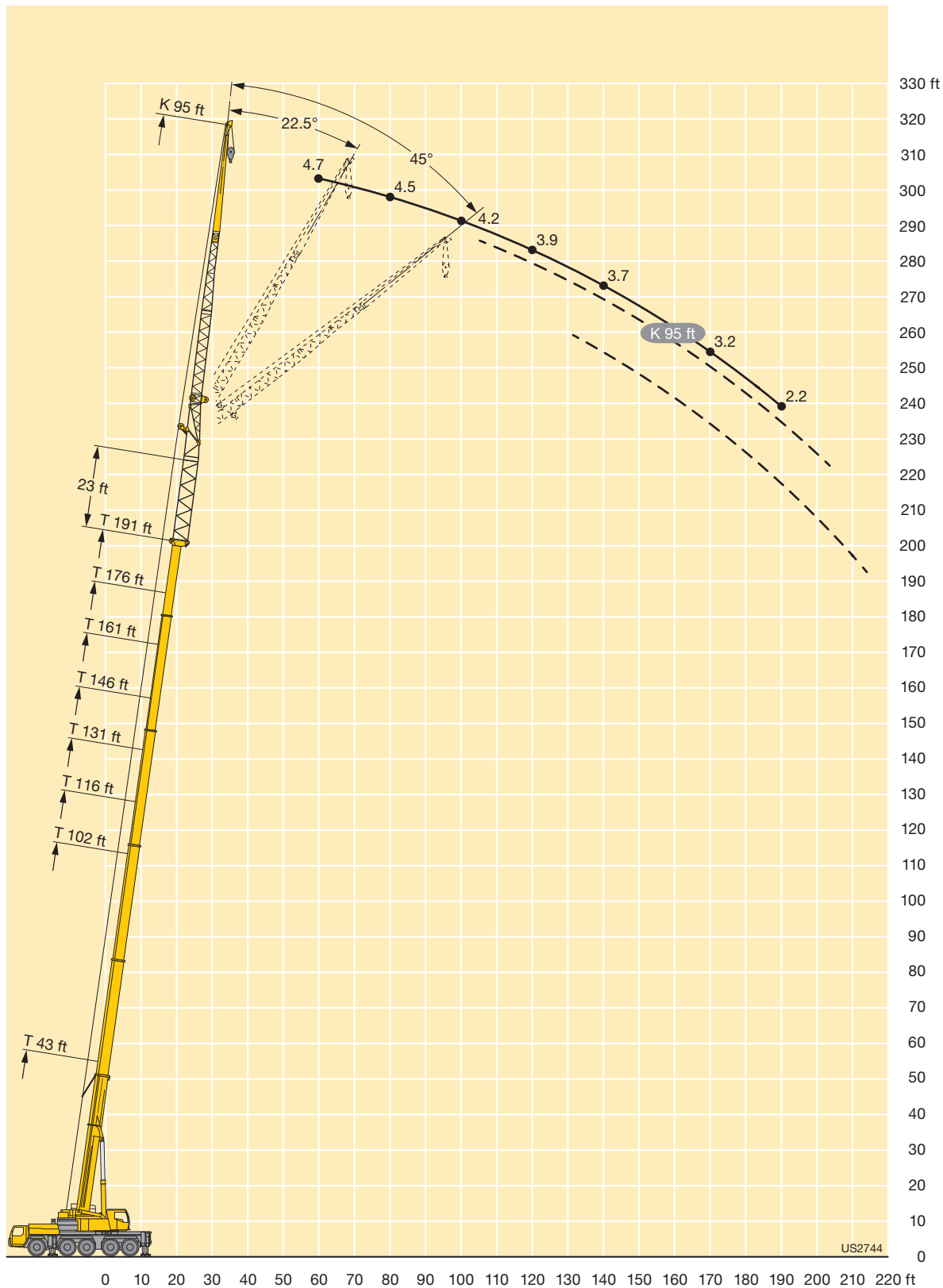
TVK

LICCON2



	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft				
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
18	15.6																							18		
19	15.5																							19		
20	15.5																							20		
22	15.5																							22		
24	15.5																							24		
26	15.4																							26		
28	15.3																							28		
30	15.1				12.1																			30		
32	14.9				12																			32		
34	14.7				12			11.4																34		
36	14.4				11.9			11.3																36		
38	14.1				11.9			11.3		10.5														38		
40	13.8				11.9			11.3		10.5														40		
45	13				11.7			11.2		10.4			9.4			8.3								45		
50	12.3				11.4			11		10.3			9.4			8.2								50		
55	11.5	10.3			11			10.7		10.2			9.3			8.2			7					55		
60	10.7	9.6			10.7			10.4		9.9			9.2			8.1			6.9			4.7		60		
65	10	8.9			10.4			10.1		9.6			9			8			6.8			4.7		65		
70	9.3	8.4			10	8.8		9.8		9.4			8.8			7.9			6.8			4.7		70		
75	8.6	7.8			9.6	8.3		9.5	8.3	9.1			8.5			7.7			6.7			4.6		75		
80	8	7.4			9.2	7.9		9.2	8	8.8	7.8		8.3			7.6			6.6			4.5		80		
85	7.5	6.9	6.5		8.9	7.6		8.8	7.6	8.6	7.5		8.1	7.2		7.4			6.5			4.4		85		
90	7	6.5	6.1		8.5	7.3		8.5	7.3	8.3	7.3		7.9	7		7.2	6.6		6.3			4.4		90		
95	6.5	6.1	5.8		8.2	7	6.1	8.2	7	8	7		7.6	6.8		7	6.4		6.2	5.8		4.3		95		
100	6.1	5.8	5.5		7.8	6.7	5.9	7.9	6.8	7.8	6.7		7.4	6.6		6.8	6.2		6.1	5.7		4.2		100		
105	5.7	5.4	5.3		7.5	6.4	5.7	7.6	6.5	7.5	6.5	5.7	7.2	6.3		6.7	6		6	5.5		4.1	4.5	105		
110	5.4	5.1	5		7.2	6.1	5.5	7.4	6.2	7.3	6.2	5.5	7	6.1	5.4	6.5	5.9		5.8	5.4		4	4.5	110		
115	5.1	4.9	4.8		6.9	5.9	5.3	7.1	6	7	6	5.3	6.8	5.9	5.2	6.3	5.7	5.1	5.7	5.3		3.9	4.4	115		
120	4.8	4.6	4.5		6.6	5.7	5.1	6.8	5.8	6.8	5.8	5.2	6.6	5.7	5.1	6.2	5.5	4.9	5.6	5.2	4.7	3.9	4.3	120		
125	4.5	4.4	4.3		6.2	5.5	5	6.5	5.6	6.6	5.6	5	6.4	5.6	5	6	5.4	4.8	5.5	5	4.6	3.8	4.2	125		
130	4.3	4.1	4.1		6	5.2	4.8	6.2	5.4	6.4	5.4	4.9	6.2	5.4	4.8	5.9	5.2	4.7	5.3	4.9	4.5	3.8	4.1	3.9	130	
135	4	3.9	4		5.7	5	4.7	6	5.2	6.1	5.2	4.8	6	5.2	4.7	5.7	5.1	4.6	5.2	4.8	4.4	3.7	4	3.8	135	
140	3.8	3.8	3.9		5.5	4.9	4.5	5.7	5	5.9	5.1	4.6	5.8	5.1	4.6	5.6	4.9	4.5	5.1	4.7	4.3	3.7	4	3.7	140	
145	3.6	3.6			5.3	4.7	4.4	5.5	4.8	5.7	4.9	4.5	5.6	4.9	4.5	5.4	4.8	4.4	5	4.5	4.2	3.6	3.9	3.7	145	
150	3.5	3.5			5.1	4.5	4.3	5.3	4.7	5.5	4.8	4.4	5.5	4.8	4.4	5.3	4.6	4.3	4.8	4.4	4.1	3.6	3.8	3.6	150	
155					4.8	4.4	4.2	5.1	4.5	5.3	4.6	4.3	5.3	4.6	4.3	5.1	4.5	4.2	4.7	4.3	4.1	3.5	3.7	3.5	155	
160					4.6	4.2	4.1	5	4.4	5.1	4.5	4.2	5.1	4.5	4.2	5	4.4	4.1	4.5	4.2	4	3.5	3.5	3.5	160	
165					4.5	4.1	4	4.8	4.2	4.9	4.3	4.1	4.9	4.3	4.1	4.8	4.3	4	4.3	4.1	3.9	3.4	3.4	3.4	165	
170					4.3	4	3.9	4.6	4.1	4	4.8	4.2	4	4.8	4.2	4	4.5	4.2	3.9	4.1	4	3.8	3.2	3.3	3.3	170
175					4.2	3.8	3.8	4.4	4	3.9	4.6	4.1	3.9	4.5	4.1	3.9	4.1	4.1	3.9	3.7	3.9	3.8	3	3.2	3.2	175
180					4	3.7	3.8	4.2	3.9	4.4	4	3.9	4.4	4	3.9	3.9	4	3.8	3.2	3.8	3.7	2.9	3	3.1	180	
185					3.8	3.6		4.1	3.8	4.2	3.9	3.8	4.2	3.9	3.8	3.7	3.9	3.7	2.8	3.7	3.7	2.6	2.9	3	185	
190					3.7	3.5		4	3.7	3.7	4.1	3.8	3.7	3.9	3.8	3.7	3.5	3.8	3.7	2.6	3.6	3.6	2.2	2.8	2.9	190
195					3.6	3.4		3.8	3.6	3.9	3.7	3.7	3.4	3.7	3.7	3.1	3.6	3.6	2.5	3.3	3.5		2.7	2.8	195	
200					3.5	3.4		3.7	3.5	3.4	3.6	3.7	3	3.6	3.6	2.7	3.3	3.6	2.3	2.9	3.4		2.5	2.7	200	
205					3.4	3.4		3.6	3.4	3	3.5		2.5	3.5	3.6	2.3	3.2	3.4		2.4	3.2		2.4	2.6	205	
210					3.4			3.5	3.4	2.6	3.4			3.2	3.5		3	3.1		2.3	2.9			2.5	210	
215								3.2	3.4		3			2.7			2.6	3			2.4			2.3	215	
220								2.9			2.5			2.3			2.2	2.8							220	
225								2.6									2.3								225	

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Lifting capacities Forces de levage

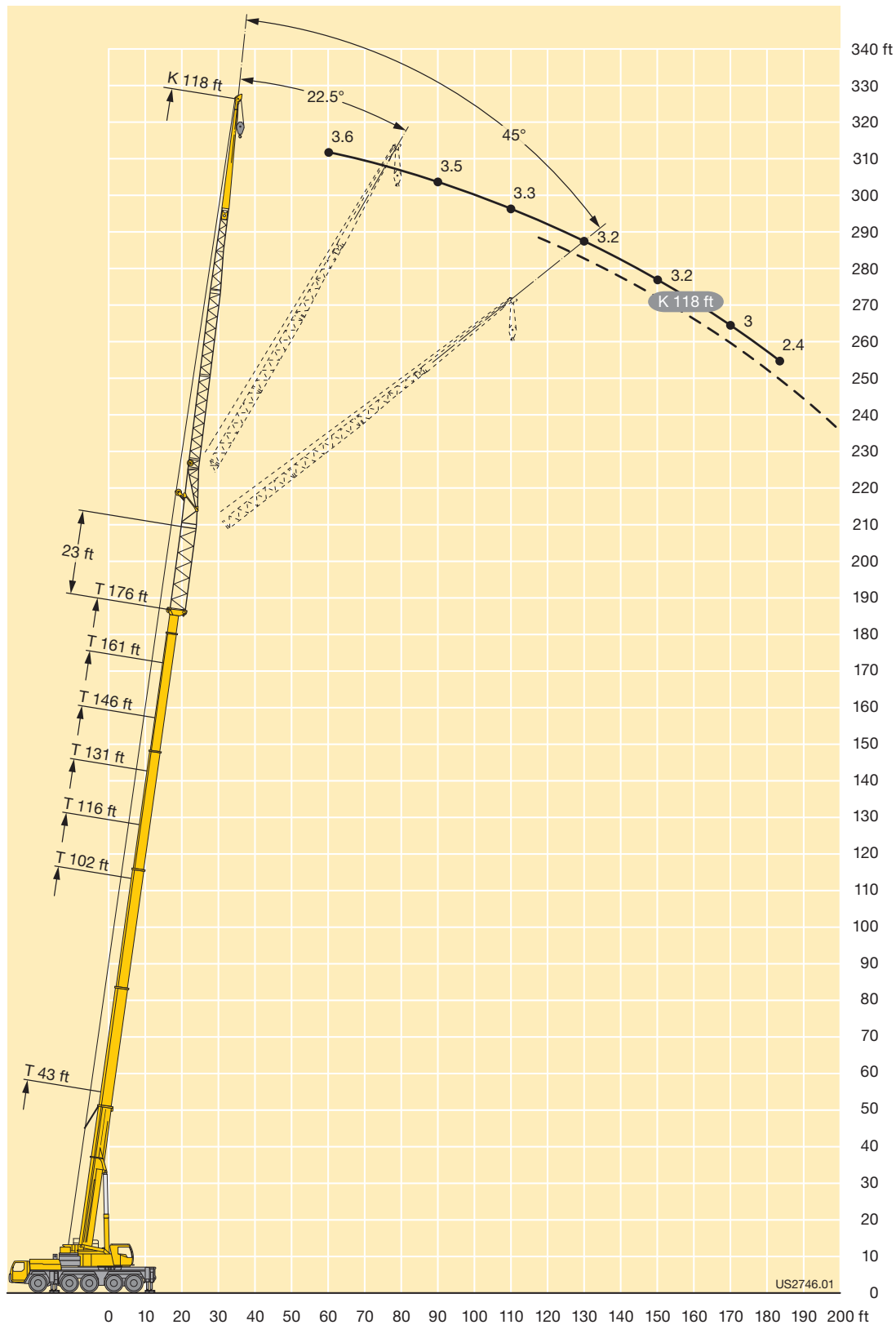
TVK

LICCON2



	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft		
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft		
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	
24	10.5																				24
26	10.8																				26
28	10.9																				28
30	10.9																				30
32	10.9																				32
34	10.8																				34
36	10.7																				36
38	10.6			8.6																	38
40	10.5			8.6			8.1														40
45	10.1			8.5			8			7.5											45
50	9.6			8.4			8			7.4			6.7								50
55	9.1			8.2			7.9			7.3			6.6			5.7					55
60	8.6			8			7.7			7.3			6.6			5.7			3.6		60
65	8.1			7.8			7.5			7.1			6.6			5.7			3.6		65
70	7.7			7.6			7.3			6.9			6.4			5.7			3.6		70
75	7.2	6.5		7.4			7.2			6.8			6.3			5.7			3.6		75
80	6.7	6.1		7.1			7			6.6			6.1			5.5			3.6		80
85	6.2	5.7		6.9			6.8			6.4			6			5.4			3.5		85
90	5.8	5.4		6.6	5.7		6.5			6.3			5.8			5.3			3.5		90
95	5.4	5		6.3	5.5		6.3	5.5		6.1			5.7			5.2			3.5		95
100	5	4.7		6.1	5.2		6.1	5.2		5.9	5.1		5.5			5			3.4		100
105	4.7	4.4		5.8	5		5.8	5		5.7	5		5.4	4.8		4.9			3.3		105
110	4.4	4.1	4	5.6	4.7		5.6	4.8		5.5	4.8		5.2	4.6		4.8	4.3		3.3		110
115	4.1	3.9	3.8	5.4	4.5		5.4	4.6		5.3	4.6		5	4.4		4.6	4.2		3.2	3.6	115
120	3.8	3.7	3.6	5.1	4.3		5.2	4.4		5.1	4.4		4.9	4.3		4.5	4.1		3.2	3.6	120
125	3.6	3.4	3.4	4.9	4.1	3.7	5	4.2		4.9	4.2		4.7	4.1		4.4	3.9		3.2	3.5	125
130	3.4	3.2	3.2	4.7	4	3.5	4.8	4	3.5	4.8	4		4.6	4		4.3	3.8		3.2	3.4	130
135	3.1	3	3	4.4	3.8	3.4	4.6	3.9	3.4	4.6	3.9	3.4	4.4	3.8		4.1	3.7		3.2	3.3	135
140	2.9	2.8	2.8	4.2	3.6	3.2	4.4	3.7	3.3	4.4	3.7	3.3	4.3	3.7	3.2	4	3.5		3.2	3.2	140
145	2.7	2.7	2.7	4	3.5	3.1	4.2	3.5	3.2	4.2	3.6	3.2	4.1	3.5	3.1	3.9	3.4	3	3.2	3.2	145
150	2.6	2.5	2.5	3.8	3.3	3	4	3.4	3.1	4.1	3.5	3.1	4	3.4	3	3.8	3.3	2.9	3.2	3.1	150
155	2.4	2.3	2.4	3.6	3.2	2.9	3.8	3.3	3	3.9	3.3	3	3.9	3.3	2.9	3.7	3.2	2.8	3.2	3	155
160	2.2			2.3	3.5	3	3.7	3.1	2.9	3.7	3.2	2.9	3.7	3.2	2.8	3.6	3.1	2.8	3.1	2.9	160
165				2.2	3.3	2.9	3.5	3	2.8	3.6	3.1	2.8	3.6	3.1	2.7	3.4	3	2.7	3.1	2.8	165
170					3.1	2.8	3.4	2.9	2.7	3.4	3	2.7	3.5	3	2.7	3.3	2.9	2.6	3	2.7	170
175					3	2.6	3.2	2.8	2.6	3.3	2.8	2.6	3.3	2.8	2.6	3.2	2.8	2.5	2.8	2.6	175
180					2.8	2.5	3.1	2.7	2.5	3.2	2.7	2.5	3.2	2.7	2.5	3	2.7	2.5	2.6	2.5	180
185					2.7	2.4	2.4	2.9	2.6	3.1	2.6	2.4	3	2.6	2.5	2.7	2.6	2.4	2.4	2.5	185
190					2.6	2.4	2.3	2.8	2.5	2.4	2.9	2.5	2.4	2.9	2.5	2.4	2.4	2.5	2.3		190
195					2.5	2.3	2.2	2.7	2.4	2.3	2.8	2.5	2.3	2.8	2.5	2.3	2.3	2.4	2.3		195
200					2.4			2.6	2.3	2.3	2.7	2.3	2.3	2.6	2.4	2.3		2.3	2.2		200
205					2.2			2.5			2.5	2.3	2.2	2.4	2.3	2.2		2.3			205
210							2.3			2.4				2.2							210
215							2.2														215

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Lifting capacities Forces de levage

TNZK

LICCON2



	43 ft			57 ft			72 ft			87 ft			102 ft			116 ft			
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	112.7	92.9		112.7			112.7												10
11	112.7	90.3		112.7			112.7												11
12	112.7	87.8		112.7			112.7												12
13	112.7	85.4		112.7	90.2		112.7												13
14	111.2	83.1	67.1	112.7	88.2		112.7			112.7									14
15	108.2	80.9	65.8	112.7	86.3		112.7	88.9		112.7									15
16	104.9	79	64.6	112.7	84.4	66.8	112.7	87.3		112.7									16
17	101.8	77	63.5	112.1	82.7	65.9	112.7	85.7		112.7			94.6						17
18	98.6	75.1	62.5	110.5	81.1	64.9	112.7	84.1		111.9	85.5		94.6						18
19	95.5	73.4	61.4	108.2	79.4	64	112.3	82.5	65.4	110.7	84.2		94.6						19
20	92.5	71.8	60.4	105.9	77.8	63.1	110.7	81.1	64.6	109.4	82.9		94.6			76.3			20
22	87.3	68.7	58.5	101.2	74.6	61.4	107.1	78.5	63	106.7	80.3	64	94.6	80.8		76.1			22
24	82.3	65.6	56.9	96.5	72.1	59.8	103.4	75.9	61.7	104	77.9	62.7	94.6	78.8		75.2			24
26	77.6	63.2	55.2	91.9	69.5	58.4	99.7	73.3	60.3	101.3	75.8	61.5	94.6	76.8	62.4	72.8	57.5		26
28	73.8	60.9	53.9	88.1	67	57.1	95.9	71.1	59	98.6	73.7	60.4	94.6	74.9	61.3	70.4	57.5		28
30	70.2	58.6	52.7	84.4	64.7	55.7	92.2	69.2	57.9	95.8	71.7	59.3	93.8	73.2	60.2	68.3	57.4	51.2	30
32	66.8	56.5	51.5	80.4	62.9	54.6	88.5	67.2	56.8	93	69.7	58.2	92.1	71.6	59.3	66.2	55.9	50	32
34	63.8	54.6	50.3	76.9	61.1	53.6	85.4	65.2	55.8	90.2	68.1	57.1	90.1	69.9	58.4	64.2	54.5	48.8	34
36	61.1	53.1	49.5	73.3	59.3	52.7	82.6	63.3	54.7	86.2	66.5	56.3	87.6	68.2	57.5	62.1	53.1	47.7	36
38	58.6	51.6	48.8	70.2	57.6	51.7	79.8	61.9	53.8	81.6	65	55.4	82.7	66.7	56.6	60	51.8	46.8	38
40	56.3	50	48.1	67.8	56	50.8	77	60.5	53	76.6	63.4	54.6	77.3	65.4	55.8	58.2	50.4	45.8	40
45	51.3	47.4	25.9	62	52.8	49.2	67.2	57	51.2	65.8	60	52.6	66.7	62.3	54.1	54.5	47.4	43.5	45
50	47.3	40.4	2.3	56.9	49.8	47.8	58.7	53.9	49.5	57.3	57.3	51.2	58.2	58.4	52.4	50.9	44.9	41.5	50
55				52.6	47.7	45.4	51.8	51.5	48.4	50.4	51.4	49.7	51.2	52.2	50.9	47.5	42.5	39.7	55
60				47	46.2	9.7	46.1	46.7	46.7	44.6	45.4	45.9	45.4	46.3	46.9	45	40.4	38	60
65				41.8	26.3		40.8	41.4	41.6	39.3	40	40.5	40.1	41	41.5	41.3	38.7	36.7	65
70							36.3	36.8	16.2	34.8	35.4	35.7	35.7	36.4	36.8	36.8	36.9	35.4	70
75							32.6	32.8	7.4	31	31.5	31.7	31.8	32.4	32.8	33	33.8	33.9	75
80							29.3	18.3		27.7	28.1	26.5	28.5	29	29.3	29.6	30.3	30.6	80
85										24.8	25.1	10.4	25.6	26	26.2	26.7	27.3	27.6	85
90										22.3	22.4	6	23	23.4	23.5	24.1	24.7	24.8	90
95										20.1	13.1		20.7	21	12.3	21.8	22.3	22.4	95
100													18.7	18.9	8.7	19.7	20.2	20.3	100
105													16.9	17	5.1	17.9	18.3	18.3	105
110													15.4	9.6		16.2	16.6	10.6	110
115																14.8	15	7.5	115
120																13.5	13.6	4.4	120
125																12.5	7		125

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Lifting capacities Forces de levage

TNZK

LICCON2



 ft	131 ft			146 ft			161 ft			176 ft			191 ft			203 ft			 ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	57.5																		24
26	57.5																		26
28	57.5			52.8															28
30	57.5	56.2		51.7															30
32	57.5	54.9	49.2	50.6			38.6			32.2									32
34	57.5	53.5	48.3	49.5	49.2		38.6	38.4		31.7									34
36	57.5	52.2	47.3	48.4	47.9		38.6			32.2									36
38	57.4	51	46.4	47.3	46.6	44.7	38.4	38.4		31.7									38
40	56.5	49.9	45.4	46	45.2	43.8	38	37.8		31.2			25.3						40
45	52	47.4	43.5	42.7	42.1	41.6	36.1	35.6	35.3	29.9	29.5	29	24.4	23.8		20.3			45
50	48.2	44.8	41.6	39.5	39.1	39	33.8	33.5	33.2	28.6	28	27.8	23.4	22.9	22.8	19.7	19.5		50
55	44.7	42.4	39.9	36.7	36.2	36.2	31.6	31.4	31.3	27	26.5	26.4	22.4	21.9	21.7	19.1	18.8	18.8	55
60	41.2	40	38.4	34.2	33.8	33.6	29.5	29.4	29.4	25.5	25.2	25	21.4	20.9	20.7	18.4	18	18.1	60
65	38.2	37.6	37	31.8	31.6	31.5	27.7	27.5	27.6	24.1	23.8	23.7	20.4	19.9	19.8	17.6	17.3	17.3	65
70	34.9	35.3	35.3	29.5	29.4	29.4	25.9	25.8	25.9	22.7	22.4	22.4	19.4	19	18.9	16.8	16.5	16.5	70
75	31.4	32.2	32.7	27.6	27.3	27.4	24.2	24.2	24.3	21.4	21.2	21.1	18.5	18.1	18	15.9	15.8	15.8	75
80	28.3	29	29.4	25.9	25.7	25.7	22.5	22.6	22.7	20.1	20	20	17.6	17.2	17.2	15.1	15	15	80
85	25.4	26	26.4	24.2	24.2	24.2	21.2	21.1	21.2	18.8	18.8	18.9	16.7	16.4	16.4	14.4	14.3	14.3	85
90	22.8	23.4	23.7	22.2	22.6	22.7	20	19.9	20	17.7	17.7	17.8	15.8	15.6	15.6	13.8	13.7	13.7	90
95	20.5	21	21.3	20.1	20.6	20.9	18.8	18.8	18.9	16.7	16.7	16.8	14.9	14.8	14.9	13.2	13.1	13.1	95
100	18.5	18.9	19.1	18.1	18.6	18.9	17.6	17.6	17.7	15.8	15.8	15.9	14.1	14.1	14.1	12.6	12.5	12.6	100
105	16.6	17	17.1	16.3	16.7	16.9	16.3	16.4	16.6	14.9	14.9	15.1	13.5	13.4	13.5	11.9	11.9	12	105
110	15	15.3	15.4	14.6	15	15.2	14.9	15.2	15.4	14	14.1	14.2	12.9	12.8	12.9	11.4	11.4	11.5	110
115	13.5	13.8	13.8	13.2	13.5	13.6	13.5	13.8	14	13.1	13.2	13.3	12.2	12.2	12.3	10.9	10.9	11	115
120	12.3	12.5	12.1	12	12.3	12.4	12.2	12.6	12.7	12.2	12.4	12.5	11.6	11.6	11.7	10.4	10.4	10.5	120
125	11.3	11.4	9.4	10.9	11.2	11.3	11.1	11.4	11.5	11.2	11.5	11.7	11	11	11.1	9.9	9.9	10	125
130	10.2	10.3	6.7	9.8	10	10.1	10	10.3	10.4	10.6	10.6	10.7	10.3	10.4	10.5	9.4	9.4	9.5	130
135	9.1	9.2	4	8.6	8.9	8.8	9.3	9.4	9.4	10.1	10.2	10.2	9.6	9.8	9.9	8.9	9	9	135
140	8.5	6.1		7.6	7.8	7.7	8.9	9	9	9.7	9.7	9.7	8.7	9	9.1	8.3	8.5	8.5	140
145				6.7	6.8	6	8.5	8.6	8.6	9.1	9.2	9.3	7.8	8.1	8.2	7.5	7.8	7.9	145
150				5.8	5.9	3.6	8.1	8.1	8.2	8.3	8.5	8.6	7.1	7.3	7.4	6.7	7	7.1	150
155				5.1	5		7.8	7.8	7.6	7.5	7.7	7.7	6.3	6.6	6.6	6	6.3	6.4	155
160							7.4	7.5	5.5	6.7	6.9	6.8	5.6	5.8	5.8	5.4	5.6	5.7	160
165							6.8	6.8	3.3	6	6.1	6.1	4.8	5	5	4.7	4.9	5	165
170							6.2			5.3	5.4	5.4	4.2	4.3	4.3	4.1	4.3	4.3	170
175										4.7	4.8	4.7	3.5	3.7	3.6	3.4	3.6	3.6	175
180										4.1	4.2	3.1	3	3.1	3	2.8	3	3	180
185										3.7			2.4	2.5	2.4	2.3	2.4	2.4	185

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Lifting capacities Forces de levage

TNZK

LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft								
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft								
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°						
10	38.6																										10						
11	38.6																										11						
12	38.6																										12						
13	38.6																										13						
14	38.6																										14						
15	38.6																										15						
16	38.6																										16						
17	38.6				38.6																						17						
18	38.6				38.6																						18						
19	38.6				38.6																						19						
20	38.6	37.6			38.6			38.6																			20						
22	38.6	35.7			38.6			38.6																			22						
24	38.6	34.1			38.6			38.6			38.6																24						
26	38.6	32.6			38.6			38.6			38.6																26						
28	38.6	31.3			38.6			38.6			38.6			37.1													28						
30	38.6	30			38.6			38.6			38.6			36.9													30						
32	38.5	28.9	21.4		38.6	32.4		38.6			38.6			36.7			30.4										32						
34	38	27.9	21.3		38.6	31.6		38.6			38.6			36.6			30.2			19.4							34						
36	36.7	26.8	20.8		38.6	30.8		38.6	31		38.6			36.4			29.9			23.9							36						
38	35.4	25.9	20.3		38.6	30.1		38.6	30.4		38.6			36.2			29.6			23.8			17.4				38						
40	34.1	25.1	19.9		38.6	29.4		38.6	29.7		38.6	29.3		36			29.4			23.6			17.3				40						
45	30.3	23.1	18.9		38.2	27.7	20.2		38.6	28.2	20.3		38.2	27.9		34.6	27		28.7			23.1			17		45						
50	27.3	21.5	18.2		35.5	26.4	19.5		36.9	26.8	19.7		36.1	26.7	19.6		32.9	26		27.7	24.5		22.5			16.8		50					
55	24.5	20.2	17.6		32.6	25.1	19		34.5	25.7	19.2		34.2	25.5	19.2		31.1	25	18.9	26.3	23.7		21.8	20.4		16.5		55					
60	22.2	19	17.3		30.5	23.9	18.5		32	24.5	18.7		32.3	24.5	18.7		29.4	24.1	18.5	25	22.9	18.2		20.8	19.5		16	15.2	60				
65	20.1	18.1	17.1		28.7	22.9	18.1		30	23.5	18.3		30.4	23.7	18.3		27.7	23.2	18.2	23.7	22.1	17.8		19.8	18.6	17.3	15.3	14.7	65				
70	18.5	17.4			26.8	21.9	17.7		28.4	22.6	17.9		28.6	22.8	17.9		26	22.5	17.9	22.4	21.4	17.5		18.8	17.8	17	14.7	14.1	13.7	70			
75					24.9	20.9	17.4		26.8	21.7	17.6		27.1	22	17.7		24.3	21.8	17.5	21.1	20.5	17.3		17.9	16.9	16.3	14.1	13.6	13.2	75			
80					23.4	20	17.2		25.3	20.9	17.3		25.9	21.2	17.4		22.6	21.1	17.3	19.9	19.5	17		17	16.1	15.7	13.5	13	12.8	11.8	80		
85					22.2	19.2	17		23.8	20	17.1		24.7	20.4	17.1		21.4	20.2	17.1	18.6	18.5	16.8		16.1	15.4	15	13	12.5	12.4	11.4	85		
90					21.1	18.3	16.8		22.5	19.3	16.9		23.3	19.7	17		20.2	19.4	16.9	17.5	17.5	16.4		15.2	14.8	14.4	12.6	12.1	12	11	90		
95					19.9	17.6	16.5		21.5	18.5	16.8		21.3	19	16.8		19	18.5	16.7	16.5	16.6	16		14.3	14.1	13.9	12.1	11.7	11.6	10.7	95		
100					18.9	16.9	16.2		20.5	17.8	16.6		19.5	18.4	16.6		17.9	17.6	16.6	15.6	15.6	15.7		13.5	13.4	13.4	11.7	11.3	11.2	10.3	100		
105					18	16.3	15.8		18.9	17.2	16.3		18.2	17.8	16.4		16.7	16.7	16.4	14.8	14.7	14.9		12.9	12.9	12.9	11.2	10.9	10.9	9.9	105		
110					17.2	15.8			17.3	16.7	15.9		16.6	17	16.2		15.3	15.8	15.9	13.9	13.8	14.1		12.3	12.3	12.4	10.8	10.5	10.5	9.5	110		
115					16.4	15.3			15.7	16.1	15.7		15.1	16.1	15.8		13.9	14.9	15	13.1	13	13.3		11.7	11.8	11.9	10.4	10.2	10.2	9.1	115		
120					15.7	14.9			14.4	15.2	15.4		13.7	14.7	15.1		13	13.7	14.2	12.1	12.4	12.6		11.1	11.2	11.5	10	9.9	9.8	8.8	120		
125					14.6	14.6			13.4	13.8			12.6	13.4	13.8		12.4	12.5	13	11.1	11.8	12.1		10.5	10.7	11	9.6	9.5	9.5	8.4	125		
130					13.5				12.5	12.8			11.7	12.3	12.7		11.5	11.7	11.9	10.2	11.1	11.4		9.9	10.2	10.5	9.2	9.2	9.2	8.1	130		
135									11.6	12			10.8	11.4			10.6	11.2	11.3	9.8	10.1	10.7		9.1	9.7	10	8.8	8.8	8.9	7.7	135		
140									10.8	11.1			9.9	10.4			9.7	10.4	10.7	9.4	9.4	9.7		8.4	9.1	9.4	8.4	8.5	8.6	7.4	140		
145									10				9	9.6			8.8	9.5		8.8	9	9.1		8	8.3	8.8	7.8	8.1	8.3	7.1	145		
150													8.2	8.6			7.9	8.6		8.1	8.6	8.7		7.7	7.7	8	7.2	7.8	7.9	6.7	150		
155													7.4	7.7			7.1	7.7		7.2	8			7.3	7.4	7.5	6.4	7.2	7.6	6.1	155		
160													6.7				6.3	6.8		6.5	7.1			6.9	7.1	7.2	5.8	6.5	7	5.4	160		
165																	5.6	6		6.1	6.3			6.4	6.8		5.1	5.8	6.3	4.8	165		
170																	5	5.3		5.8	5.9			5.7	6.3		4.5	5.2	5.6	4.2	170		
175																	4.4			5.5	5.6			5.1	5.6		3.9	4.6	4.9	3.6	175		
180																				5.2	5.4			4.5	5		3.3	4		3.1	180		
185																				4.7				3.9	4.3		2.8	3.3		2.6	185		
190																				4.2				3.4	3.8		2.2	2.7			2.7	190	
195																								2.9	3.2							195	
200																									2.4								200

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Lifting capacities Forces de levage

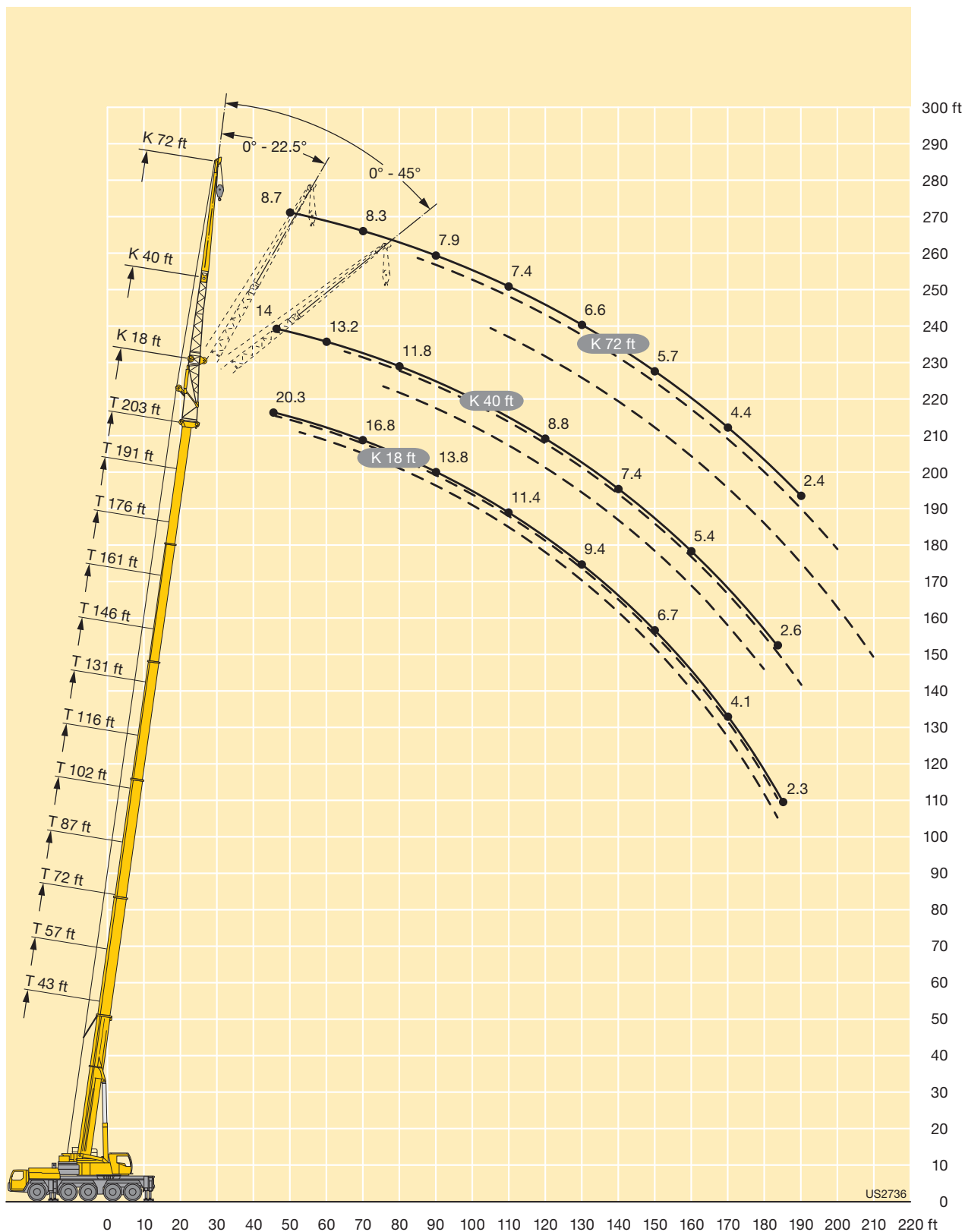
TNZK

LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft				
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
11	27.4																										11		
12	27.4																										12		
13	27.5																										13		
14	27.5																										14		
15	27.5																										15		
16	27.5																										16		
17	27.5																										17		
18	27.3																										18		
19	27.1																										19		
20	26.9																										20		
22	26.4				21.9																						22		
24	25.9				21.9			19.4																			24		
26	25.3				21.9			19.4																			26		
28	24.8				21.8			19.4		18.3																	28		
30	24.2				21.8			19.4		18.3																	30		
32	23.6				21.7			19.4		18.2			16.4														32		
34	23				21.6			19.4		18.2			16.4														34		
36	22.4				21.3			19.4		18.2			16.4			14.3											36		
38	21.8	17.7			21.1			19.4		18.1			16.3			14.3											38		
40	21.2	17.2			20.8			19.3		18.1			16.3			14.3			12.3								40		
45	19.8	16.1			20.2			19		17.8			16.2			14.2			12.3			10.3					45		
50	18.4	15.1			19.6	15.2		18.7		17.6			16.1			14.2			12.2			10.2			8.7		50		
55	17	14.2			18.8	14.6		18.3	15.2	17.3			15.9			14.1			12.2			10.1			8.6		55		
60	15.5	13.3	11.5		18.1	14.1		17.8	14.7	17.1	14.4		15.7			14			12.2			10			8.5		60		
65	14.4	12.5	11		17.4	13.5		17.3	14.2	16.7	13.9		15.6	13.5		13.9			12.1			9.8			8.4		65		
70	13.2	11.8	10.5		16.7	13.1	10.8	16.8	13.8	16.3	13.6		15.3	13.1		13.8	12.5		11.9			9.7			8.3		70		
75	12.1	11.2	10.1		15.9	12.6	10.6	16.4	13.3	11.1	15.9	13.2		15	12.9		13.7	12.3		11.8	11.5		9.6			8.2	75		
80	11.3	10.6	9.8		15.3	12.2	10.3	15.8	12.9	10.8	15.5	12.9	10.8	14.7	12.6	10.6	13.5	12.1		11.7	11.3		9.6	9.5		8.1	80		
85	10.6	10.2	9.5		14.6	11.8	10.1	15.3	12.5	10.6	15.1	12.5	10.6	14.4	12.3	10.5	13.2	11.8		11.6	11.1		9.5	9.3		8	8	85	
90	9.9	9.7	9.2		13.9	11.4	9.8	14.7	12.2	10.4	14.7	12.2	10.4	14.1	12	10.3	13	11.6	10.1	11.3	10.9		9.4	9.1		7.9	7.9	90	
95	9.3	9.4	9.1		13.2	11.1	9.7	14.1	11.8	10.2	14.2	11.9	10.2	13.8	11.8	10.1	12.7	11.4	9.9	11	10.6	9.6	9.2	8.9		7.8	7.8	95	
100	8.8	9.1	9.1		12.6	10.7	9.5	13.6	11.5	10	13.8	11.6	10	13.4	11.5	9.9	12.4	11.2	9.8	10.7	10.3	9.5	9	8.6	8.1	7.8	7.6	100	
105	8.4	9			12.1	10.4	9.3	13	11.2	9.8	13.3	11.3	9.8	13	11.2	9.8	12.1	10.9	9.7	10.4	10	9.4	8.8	8.4	8	7.6	7.4	7.4	105
110					11.6	10.1	9.2	12.5	10.9	9.7	12.8	11	9.7	12.6	10.9	9.6	11.8	10.7	9.5	10.1	9.7	9.3	8.5	8.2	7.8	7.4	7.2	7.2	110
115					11.1	9.9	9.1	12	10.6	9.6	12.4	10.7	9.6	12.3	10.7	9.5	11.3	10.5	9.4	9.8	9.4	9.1	8.2	8	7.6	7.2	7	7	115
120					10.7	9.6	9	11.6	10.3	9.4	12	10.4	9.4	11.9	10.4	9.4	10.9	10.2	9.3	9.4	9.1	9	7.9	7.8	7.5	7	6.8	6.8	120
125					10.2	9.4	8.9	11.2	10	9.3	11.6	10.2	9.3	11.5	10.2	9.3	10.4	10	9.2	9.1	8.8	8.8	7.7	7.5	7.4	6.8	6.6	6.6	125
130					9.9	9.1	8.8	10.8	9.7	9.2	11.2	9.9	9.2	11.1	10	9.2	9.9	9.8	9.1	8.7	8.6	8.6	7.4	7.3	7.2	6.6	6.4	6.5	130
135					9.6	8.9	8.8	10.4	9.5	9.1	10.9	9.7	9.1	10.4	9.7	9.1	9.5	9.5	9	8.4	8.3	8.3	7.2	7.1	7	6.4	6.2	6.3	135
140					9.3	8.7	8.7	10.1	9.2	9	10.4	9.4	9.1	9.6	9.5	9	9	9.3	9	8	8.1	8	6.9	6.9	6.9	6.1	6	6.1	140
145					9	8.5		9.8	9	8.9	10	9.3	9	8.9	9.3	8.9	8.2	9	8.9	7.7	7.8	7.8	6.7	6.6	6.7	5.9	5.9	6	145
150					8.7	8.4		9.5	8.8	8.8	9.5	9.1	8.9	8.6	9.1	8.9	7.5	8.6	8.7	7.3	7.6	7.6	6.5	6.4	6.5	5.7	5.7	5.8	150
155					8.5	8.3		9.2	8.7		8.7	8.9	8.8	8.2	8.7	8.8	7.1	8.2	8.4	6.6	7.3	7.4	6.2	6.2	6.3	5.5	5.5	5.6	155
160					8.3	8.3		8.8	8.5		7.9	8.7	8.8	7.6	8	8.6	6.8	7.6	8.1	6	7	7.2	6	6	6.1	5.2	5.3	5.5	160
165					8.2			8.3	8.4		7.2	8.2		6.9	7.7	7.9	6.5	6.8	7.7	5.8	6.6	6.9	5.4	5.8	6	4.9	5.2	5.3	165
170								7.7	8.1		6.5	7.5		6.2	7.3	7.6	6.1	6.3	7	5.5	6.1	6.7	4.9	5.6	5.8	4.4	5	5.2	170
175								7			5.9	6.7		5.5	6.6		5.5	6.1	6.3	5.3	5.5	6.2	4.3	5.4	5.6	3.9	4.8	5	175
180								5.8			5.3	6		4.9	5.9		4.9	5.8	6	5	5.2	5.6	3.8	5	5.4	3.4	4.6	4.8	180
185											4.8	5.3		4.4	5.2		4.4	5.4	5.8	4.6	5	5.1	3.3	4.5	5.1	2.9	4.1	4.6	185
190											4.3			3.9	4.6		4.2	4.7		4	4.8	4.9	2.8	3.9	4.6	2.4	3.6	4.4	190
195											3.8			3.4	4		4	4.2		3.5	4.5	4.7	2.4	3.4	4		3.1	3.8	195
200														2.9	3.4		3.8	3.9		3.1	3.9		2.9	3.5		2.6	3.3	200	
205														2.5			3.5	3.7		2.6	3.4		2.5	2.9			2.7	205	
210																	3.1	3.5			2.9						2.2	210	
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220																	2.3											220	

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Lifting capacities Forces de levage

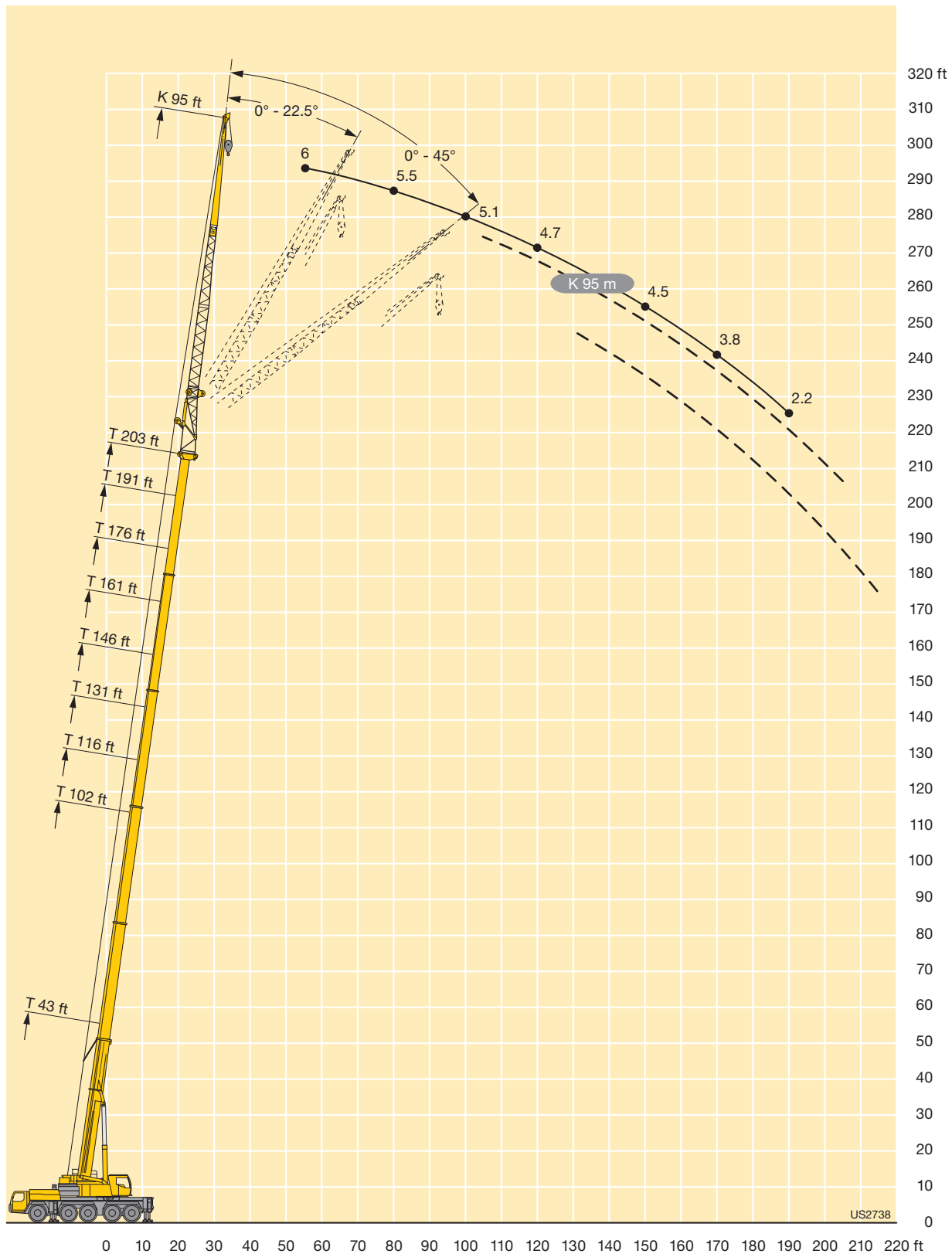
TNZK

LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			203 ft						
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
14	18.6																										14				
15	18.6																										15				
16	18.6																										16				
17	18.5																										17				
18	18.5																										18				
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24	18.4																										24				
26	18.3				14.5																						26				
28	18.2				14.5			13.6																			28				
30	18				14.4			13.6																			30				
32	17.8				14.4			13.6		12.6																	32				
34	17.7				14.4			13.5		12.6																	34				
36	17.4				14.3			13.5		12.6			11.5														36				
38	17.1				14.3			13.5		12.6			11.5														38				
40	16.7				14.2			13.4		12.5			11.5		10.2												40				
45	15.7				14.1			13.3		12.5			11.4		10.2		8.8										45				
50	14.6	11.9			14			13.2		12.4			11.4		10.2		8.8			7.4							50				
55	13.5	11.2			13.8			13.1		12.3			11.3		10.1		8.8			7.3			6				55				
60	12.6	10.6			13.5			13		12.2			11.2		10.1		8.8			7.2			5.9				60				
65	11.6	10.1			13.1	10.6		12.8		12.1			11.1		10		8.7			7.1			5.8				65				
70	10.6	9.5			12.6	10.2		12.4	10.2	12	9.9		11		9.9		8.7			7			5.7				70				
75	9.8	9			12.1	9.9		12	9.9	11.7	9.7		10.9	9.3	9.9		8.6			6.9			5.6				75				
80	9.2	8.5	7.6		11.7	9.6		11.7	9.6	11.4	9.4		10.8	9.1	9.8		8.5			6.9			5.5				80				
85	8.6	8.1	7.2		11.3	9.3		11.3	9.3	11.1	9.1		10.6	8.9	9.7	8.5	8.5			6.8			5.4				85				
90	8	7.7	6.9		10.9	8.9	7.5	10.9	9	10.8	8.9		10.3	8.7	9.6	8.3	8.4	7.7		6.7			5.3				90				
95	7.5	7.3	6.7		10.5	8.6	7.2	10.6	8.7	7.3	10.4	8.7		10.1	8.5	9.4	8.1		8.3	7.6		6.7	6.7		5.2		95				
100	7	7	6.4		10.1	8.4	7	10.3	8.5	7.1	10.2	8.4	7.1		9.8	8.3		9.2	7.9		8.2	7.5		6.6	6.6		5.1	100			
105	6.7	6.7	6.3		9.7	8.1	6.9	10	8.2	6.9	9.9	8.2	6.9		9	7.8		8.1	7.4		6.5	6.5		5	5.6		105				
110	6.3	6.4	6.1		9.3	7.9	6.8	9.7	8	6.8	9.6	8	6.8		9.4	7.9	6.7	8.9	7.6	6.6	7.9	7.2		6.4	6.4		4.9	5.5	110		
115	5.9	6.2	6		9	7.6	6.6	9.3	7.8	6.6	9.4	7.8	6.7		9.1	7.7	6.6	8.7	7.5	6.5	7.7	7.1	6.3		6.3	6.2		4.8	5.5	115	
120	5.6	6	6		8.6	7.4	6.5	9	7.5	6.5	9.1	7.6	6.5		8.9	7.5	6.5	8.5	7.3	6.4	7.6	7	6.2		6.2	6		4.7	5.4	120	
125	5.3	5.9			8.3	7.2	6.4	8.7	7.3	6.4	8.9	7.4	6.4		8.7	7.4	6.4	8.3	7.2	6.3	7.4	6.9	6.1		6	5.9	5.5	4.7	5.2	125	
130					8	7	6.2	8.4	7.1	6.3	8.6	7.2	6.3		8.5	7.2	6.3	8	7	6.2	7.3	6.8	6.1		5.9	5.7	5.4	4.6	5.1	5.1	130
135					7.6	6.8	6.1	8.1	6.9	6.2	8.3	7	6.2		8.3	7.1	6.2	7.8	6.9	6.1	7.1	6.7	6		5.8	5.6	5.3	4.6	4.9	5	135
140					7.3	6.6	6.1	7.8	6.8	6.1	8.1	6.9	6.2		8.1	6.9	6.1	7.6	6.8	6	6.8	6.5	5.9		5.6	5.5	5.2	4.6	4.8	4.9	140
145					7	6.4	6	7.5	6.6	6.1	7.8	6.7	6.1		7.9	6.7	6	7.3	6.7	6	6.6	6.4	5.9		5.5	5.3	5.1	4.5	4.7	4.7	145
150					6.7	6.3	6	7.2	6.5	6	7.6	6.6	6		7.7	6.6	6	7.1	6.5	5.9	6.3	6.3	5.8		5.3	5.2	5	4.5	4.5	4.6	150
155					6.5	6.2	6	6.9	6.3	6	7.3	6.4	6		7.3	6.5	5.9	6.7	6.4	5.9	6.1	6.1	5.8		5.1	5.1	4.9	4.4	4.4	4.5	155
160					6.3	6.1	6	6.7	6.2	6	7.1	6.3	5.9		6.9	6.4	5.9	6.1	6.3	5.8	5.7	5.9	5.7		5	4.9	4.8	4.2	4.2	4.3	160
165					6	6		6.5	6.1	6	6.8	6.2	5.9		6.6	6.2	5.9	5.6	6.2	5.8	5.2	5.7	5.7		4.8	4.8	4.7	4	4.1	4.2	165
170					5.9	5.9		6.3	6	6	6.6	6.1	5.9		6.3	6.1	5.8	5.4	6	5.8	4.7	5.5	5.6		4.5	4.6	4.6	3.8	4	4.1	170
175					5.7	5.8		6.1	5.9	6	6.2	6	5.9		5.8	6	5.8	5.1	5.8	5.8	4.4	5.3	5.4		4.1	4.4	4.5	3.6	3.8	4	175
180					5.5	5.8		5.9	5.8		5.6	5.9	5.9		5.2	5.8	5.8	4.9	5.4	5.8	4.2	5.1	5.3		3.6	4.3	4.4	3.2	3.7	3.8	180
185					5.4			5.8	5.8		5.1	5.8	5.9		4.6	5.6	5.8	4.5	4.9	5.8	4	4.7	5.1		3.1	4.1	4.3	2.7	3.6	3.7	185
190								5.6	5.7		4.5	5.6			4.1	5.4	5.7	4	4.7	5.2	3.8	4.2	4.9		2.7	4	4.1	2.2	3.4	3.6	190
195								5.1	5.7		4	5			3.6	4.8	5.4	3.5	4.5	4.7	3.5	3.8	4.6		2.2	3.6	4		3.2	3.5	195
200								4.7			3.6	4.3			3.1	4.2		3.2	4.2	4.4	3.1	3.7	4			3.2	3.9		2.9	3.4	200
205											3.1	3.8			2.7	3.6		3	3.7	4.2	2.7	3.5	3.6			2.8	3.7		2.4	3.2	205
210											2.7	3.2			2.2	3.1		2.8	3.2		2.2	3.3	3.5			2.3	3.1		2.9	3.1	210
215											2.4				2.6			2.6	2.8			2.9	3.3				2.6			2.4	215
220																		2.3	2.7			2.4									220
225																		2.5													225

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Lifting capacities Forces de levage

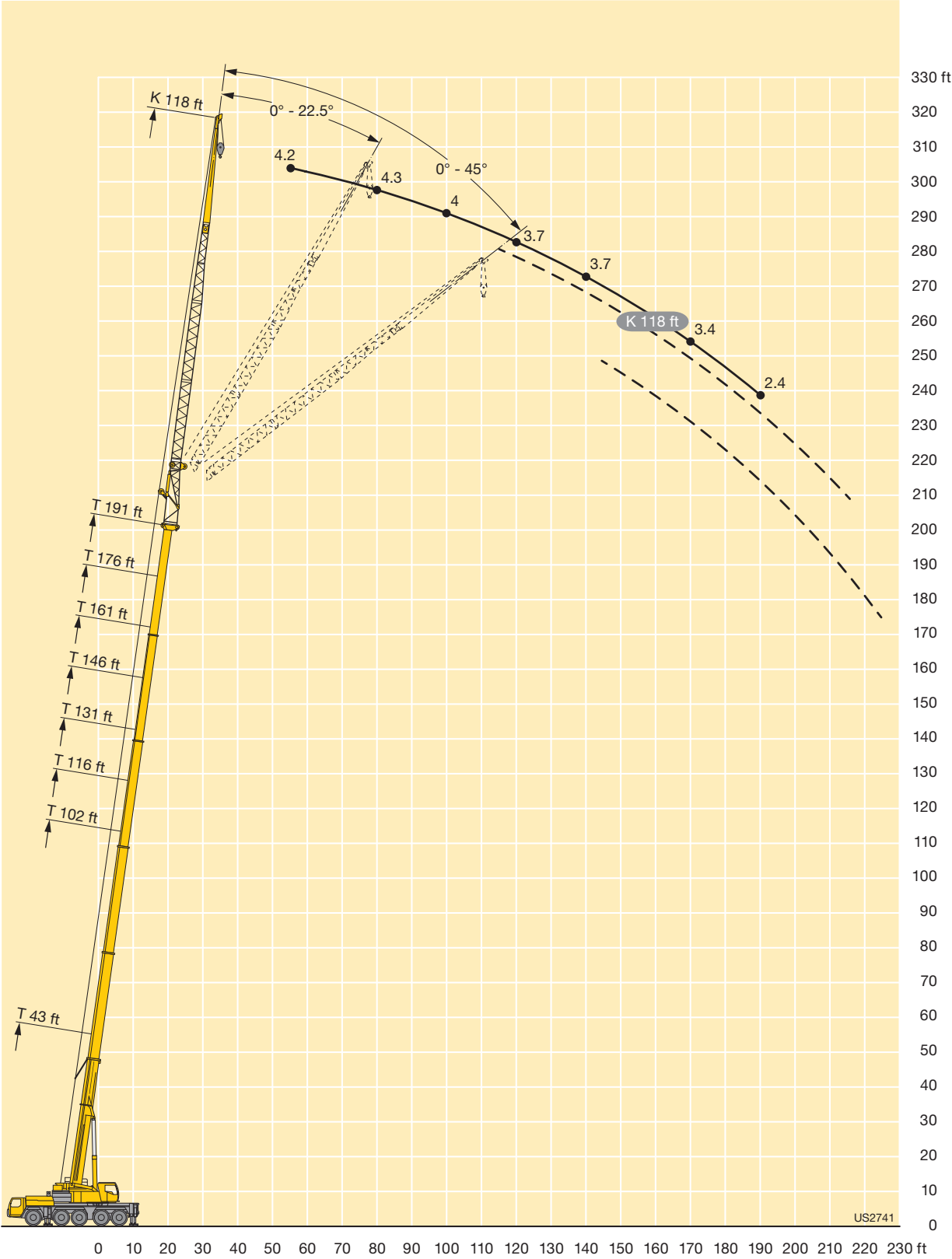
TNZK

LICCON2



	43 ft			102 ft			116 ft			131 ft			146 ft			161 ft			176 ft			191 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
18	12.3																							18	
19	12.5																							19	
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24	12.9																							24	
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32	12.7			10.3			9.8																	32	
34	12.5			10.3			9.8																	34	
36	12.3			10.3			9.7			9.1														36	
38	12.2			10.2			9.7			9.1														38	
40	12			10.2			9.7			9			8.2											40	
45	11.5			10.1			9.6			9			8.2			7.2								45	
50	10.9			9.9			9.5			8.9			8.1			7.2			6					50	
55	10.3			9.8			9.4			8.8			8.1			7.2			6.1			4.2		55	
60	9.7			9.6			9.3			8.7			8			7.1			6.1			4.3		60	
65	9.2	7.7		9.5			9.1			8.6			7.9			7.1			6.1			4.3		65	
70	8.6	7.3		9.2			9			8.5			7.8			7			6.1			4.3		70	
75	8.1	6.9		8.9			8.8			8.4			7.7			7			6			4.3		75	
80	7.5	6.5		8.6	6.9		8.5	6.8		8.2			7.6			6.9			6			4.3		80	
85	7	6.2		8.3	6.7		8.2	6.6		8	6.5		7.5			6.8			5.9			4.2		85	
90	6.5	5.9		8	6.4		7.9	6.4		7.8	6.3		7.4	6.1		6.7			5.9			4.1		90	
95	6.1	5.6		7.7	6.2		7.7	6.2		7.5	6.1		7.2	5.9		6.7			5.8			4		95	
100	5.7	5.4	4.7	7.4	6		7.4	6		7.3	5.9		7	5.7		6.5	5.5		5.8			4		100	
105	5.4	5.2	4.5	7.2	5.8		7.2	5.8		7.1	5.8		6.8	5.6		6.4	5.4		5.7	5		3.9		105	
110	5	5	4.4	6.9	5.6	4.7	7	5.6		6.9	5.6		6.7	5.5		6.3	5.2		5.6	4.9		3.8		110	
115	4.7	4.8	4.3	6.7	5.5	4.6	6.7	5.5	4.5	6.7	5.5		6.5	5.3		6.1	5.1		5.5	4.8		3.7	4.4	115	
120	4.4	4.6	4.2	6.4	5.3	4.5	6.5	5.3	4.4	6.5	5.3	4.4	6.3	5.2		6	5		5.4	4.7		3.7	4.3	120	
125	4.2	4.4	4	6.1	5.1	4.4	6.3	5.2	4.4	6.3	5.2	4.3	6.1	5.1	4.2	5.8	4.9		5.3	4.6		3.7	4.2	125	
130	3.9	4.2	4	5.9	5	4.3	6.1	5	4.3	6.1	5	4.2	6	4.9	4.2	5.7	4.8	4.1	5.2	4.5		3.7	4.1	130	
135	3.7	4	3.9	5.7	4.8	4.2	5.9	4.9	4.2	5.9	4.9	4.2	5.8	4.8	4.1	5.5	4.7	4	5.1	4.4	3.9	3.7	4.1	135	
140	3.5	3.9	3.8	5.5	4.7	4.1	5.7	4.8	4.1	5.7	4.8	4.1	5.7	4.7	4	5.4	4.6	4	5	4.3	3.8	3.7	4	140	
145	3.3	3.8	3.8	5.2	4.6	4.1	5.5	4.7	4.1	5.6	4.7	4.1	5.5	4.6	4	5.3	4.5	3.9	4.9	4.3	3.8	3.7	3.9	3.6	145
150	3.2	3.8		5	4.5	4	5.3	4.5	4	5.4	4.6	4	5.4	4.5	3.9	5.2	4.4	3.9	4.8	4.2	3.7	3.7	3.8	3.5	150
155				4.8	4.4	4	5.1	4.4	4	5.2	4.5	3.9	5.2	4.4	3.9	5.1	4.3	3.8	4.6	4.1	3.7	3.7	3.8	3.5	155
160				4.6	4.3	3.9	4.9	4.3	3.9	5.1	4.4	3.9	5.1	4.3	3.8	4.9	4.2	3.8	4.5	4	3.7	3.7	3.6	3.4	160
165				4.4	4.2	3.9	4.7	4.2	3.9	4.9	4.3	3.9	4.9	4.2	3.8	4.8	4.1	3.7	4.3	4	3.6	3.6	3.5	3.3	165
170				4.2	4.1	3.8	4.5	4.2	3.9	4.7	4.2	3.8	4.8	4.1	3.8	4.7	4.1	3.7	4.1	3.9	3.6	3.4	3.4	3.3	170
175				4.1	4	3.8	4.4	4.1	3.8	4.6	4.1	3.8	4.6	4.1	3.7	4.2	4	3.7	3.8	3.9	3.6	3.3	3.3	3.2	175
180				3.9	3.9	3.8	4.2	4	3.8	4.4	4	3.8	4.5	4	3.7	4.1	3.9	3.7	3.4	3.8	3.6	3.1	3.2	3.2	180
185				3.8	3.8	3.8	4.1	3.9	3.8	4.3	4	3.8	4.4	3.9	3.7	3.9	3.9	3.6	3.1	3.8	3.6	2.8	3.1	3.1	185
190				3.6	3.8		3.9	3.9	3.8	4.1	3.9	3.8	4.1	3.9	3.7	3.7	3.8	3.6	2.9	3.7	3.6	2.4	3	3	190
195				3.5	3.8		3.8	3.8	3.8	4	3.9	3.8	3.7	3.8	3.7	3.3	3.7	3.6	2.8	3.6	3.6		2.9	2.9	195
200				3.4	3.8		3.7	3.8		3.7	3.8	3.8	3.2	3.8	3.7	2.9	3.6	3.6	2.6	3.3	3.6		2.8	2.9	200
205				3.3	3.8		3.5	3.7		3.2	3.8	3.8	2.7	3.7	3.7	2.5	3.3	3.6	2.4	2.9	3.6		2.6	2.8	205
210				3.3			3.5	3.7		2.8	3.7		2.3	3.6	3.7		3.2	3.5		2.6	3.5		2.4	2.7	210
215							3.3	3.7		2.4	3.4			3.2	3.7		3	3.2		2.4	3.1			2.7	215
220							3.1	3.5			2.9			2.7	3.3		2.7	3.1		2.3	2.6			2.5	220
225							2.8				2.4						2.2	2.8		2.3				2.2	225
230																		2.3							230

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Lifting capacities Forces de levage

TVNZK

LICCON2



	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			203 + 23 ft			
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	72.4																										10	
11	70.2																										11	
12	67.9																										12	
13	65.7																										13	
14	63.8	55.8																									14	
15	61.9	54.4																									15	
16	60	53																									16	
17	58.3	51.6																									17	
18	56.7	50.3	46.2																								18	
19	55.1	49.1	45.2																								19	
20	53.6	47.9	44.2																								20	
22	50.7	45.6	42.2	50																							22	
24	48	43.3	40.2	48.6																							24	
26	45.5	41.2	38.2	47.3			45.8																				26	
28	42.9	39.3	36.3	45.9	41		44.7			38.6																	28	
30	40.5	37.4	34.8	44.5	39.7	36.9	43.7	39.3		38.6																	30	
32	38.4	35.5	33.3	43.1	38.4	35.9	42.7	38.3		38.5			34.7														32	
34	36.6	33.8	31.9	41.6	37.3	34.8	41.6	37.4	35	38.4	35.5		34.2														34	
36	34.7	32.3	30.5	40.1	36.1	33.7	40.4	36.4	34.1	37.8	34.8		33.8			28.7											36	
38	32.8	31.1	29.4	38.6	35.1	32.8	39.3	35.4	33.2	37	34.2	32.4	33.3	31.3		28.5			18.5								38	
40	31	29.8	28.4	37.2	34	31.9	38.1	34.5	32.3	36.3	33.5	31.7	32.8	30.9		28.3			18.3								40	
45	27.3	26.7	25.8	34.3	31.3	29.7	35.2	32.3	30.4	34.4	31.8	30	31.6	29.8	28.6	27.6	26.5		22.4	17.5		16					45	
50	24.5	24.4	23.7	31.8	29.3	27.8	32.8	30	28.5	32.4	30.1	28.5	30.3	28.6	27.3	26.9	25.8	24.4	21.6	21.2	16.8	15.6	15.5		12.8		50	
55	21.8	22.3	21.9	29.4	27.3	26.2	30.8	28.3	26.8	30.5	28.3	27	29	27.3	26.1	25.7	25.1	23.6	20.7	20.3	19.9	15.2	15	15	12.6	12.5	55	
60	19.9	20.5	20.4	27.3	25.5	24.6	28.7	26.7	25.5	28.9	26.7	25.6	27.6	26	25	24.3	23.9	22.8	19.8	19.4	19.1	14.8	14.5	14.5	12.3	12.2	12.3	60
65	18	19	12.3	25.7	24	23.2	26.8	25	24.1	27.4	25.5	24.4	26.3	24.7	23.8	23	22.7	21.9	18.9	18.5	18.3	14.3	14	14	12	11.9	12	65
70	16.5	17.4	6.1	24.2	22.7	22.1	25.4	23.6	22.8	25.8	24.2	23.3	24.9	23.6	22.8	21.7	21.5	21	18	17.6	17.5	13.7	13.5	13.5	11.7	11.6	11.6	70
75	15.1			22.6	21.4	20.9	24.1	22.6	21.8	24.4	23	22.2	23.5	22.6	22	20.5	20.3	20.1	17.1	16.8	16.7	13.2	13	13	11.3	11.3	11.3	75
80				21.1	20.2	19.8	22.7	21.5	20.9	23.3	21.9	21.3	22.2	21.6	21.1	19.4	19.2	19.2	16.3	15.9	15.9	12.7	12.6	12.5	11	10.9	10.9	80
85				20.1	19.1	18.8	21.4	20.4	19.9	22.3	21	20.5	20.9	20.6	20.3	18.2	18.2	18.2	15.5	15.2	15.2	12.2	12.1	12.1	10.7	10.6	10.6	85
90				19	18.3	18	20.3	19.3	19	21.3	20.2	19.7	19.7	19.6	19.4	17.1	17.1	17.2	14.8	14.6	14.5	11.8	11.7	11.6	10.3	10.3	10.3	90
95				18	17.4	17.3	19.3	18.5	18.2	20.2	19.3	18.9	18.6	18.6	18.4	16.1	16.1	16.2	14	13.9	13.9	11.4	11.3	11.3	10	9.9	10	95
100				17.1	16.5	16.5	18.5	17.7	17.5	19.2	18.4	18.2	17.5	17.5	17.4	15.3	15.2	15.3	13.3	13.2	13.3	11	10.9	10.9	9.7	9.6	9.6	100
105				16.3	15.9	15.9	17.7	17	16.9	18	17.6	17.5	16.4	16.5	16.5	14.5	14.5	14.6	12.6	12.6	12.7	10.6	10.5	10.5	9.4	9.3	9.3	105
110				15.6	15.3	15.4	16.8	16.3	16.2	16.7	16.7	16.6	15.3	15.4	15.5	13.7	13.7	13.8	12	12	12.1	10.2	10.1	10.1	9	9	9.1	110
115				14.9	14.7	11.7	15.6	15.6	15.7	15.2	15.5	15.6	14	14.3	14.5	12.8	13	13	11.5	11.5	11.5	9.8	9.8	9.8	8.7	8.7	8.8	115
120				14.3	14.2	8.9	14.2	14.4	14.5	13.8	14.1	14.2	12.8	13.1	13.2	12	12.2	12.3	10.9	10.9	11	9.5	9.4	9.4	8.4	8.4	8.5	120
125				13.9	13.8	6	13.1	13.3	12.9	12.7	12.9	13	12	12	12.1	11.2	11.4	11.5	10.4	10.4	10.5	9.1	9.1	9.1	8.1	8.1	8.2	125
130				13.3	13.3	3.2	12.3	12.3	10.4	11.7	11.9	11.9	11.4	11.4	11.5	10.2	10.5	10.7	9.8	9.9	10	8.8	8.8	8.8	7.8	7.8	7.9	130
135							11.4	11.5	7.9	10.8	11	11	10.7	10.8	10.9	9.5	9.5	9.7	9.2	9.4	9.4	8.4	8.4	8.5	7.5	7.5	7.6	135
140							10.6	10.7	5.4	9.9	10.1	10.1	9.8	10	10	9.1	9.1	9.2	8.3	8.6	8.8	8.1	8.1	8.2	7.1	7.2	7.3	140
145							9.9	9.9	3.1	9	9.1	9.1	8.8	9	9.1	8.6	8.7	8.7	7.7	7.8	7.9	7.7	7.8	7.9	6.8	6.9	7	145
150										8.1	8.2	7.2	7.9	8.1	8.1	8.1	8.3	8.3	7.4	7.4	7.5	7.2	7.4	7.5	6.5	6.6	6.7	150
155										7.3	7.3	4.9	7.1	7.3	7.2	7.3	7.5	7.5	7.1	7.1	7.1	6.5	6.8	6.9	6.1	6.3	6.3	155
160										6.5	6.5	3.1	6.3	6.4	6.4	6.5	6.7	6.7	6.8	6.8	6.8	5.8	6.1	6.2	5.5	5.7	5.8	160
165													5.6	5.7	5.6	6	6	6	6.4	6.5	6.5	5.2	5.4	5.5	4.9	5.1	5.2	165
170													4.9	5	4.5	5.7	5.7	5.7	5.7	5.9	5.9	4.6	4.8	4.9	4.3	4.5	4.6	170
175													4.3	4.3	3.1	5.4	5.4	5.4	5.1	5.2	5.2	4	4.2	4.2	3.7	3.9	4	175
180																5.1	5.2	5.1	4.5	4.6	4.6	3.4	3.6	3.6	3.2	3.4	3.4	180
185																4.6	4.7	4.2	3.9	4	4	2.8	3	3	2.7	2.8	2.9	185
190																4.1	4.1	3.1	3.4	3.5	3.4	2.3	2.4	2.4		2.3	2.3	190
195																			2.9	2.9	2.8							195
200																			2.4	2.4	2.3							200

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Lifting capacities Forces de levage

TVNZK

LICCON2

		 43 – 203 ft			 23 ft			 40 ft			 360°			 102500 lbs			 85%												
 ft	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			203 + 23 ft			 ft	
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			40 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
10	38.6																										10		
11	38.6																										11		
12	38.6																										12		
13	38.6																										13		
14	38.6																										14		
15	38.6																										15		
16	38.6																										16		
17	38.6																										17		
18	38.6																										18		
19	38.6																										19		
20	38.6																										20		
22	38.6																										22		
24	38.2	31.8			35.2																						24		
26	36.6	30.3			34.4																						26		
28	35	28.9			33.6																						28		
30	33.4	27.6			32.8																						30		
32	31.8	26.4			32																						32		
34	30.3	25.2			31.2																						34		
36	28.7	24	21.1		30.4												19.4										36		
38	27.4	23.1	20.5		29.7	24.3											19.3										38		
40	26.2	22.1	19.8		28.9	23.7											19.2			15.6							40		
45	23.4	20	18.2		27	22.3											18.7			15.4			12.2				45		
50	21	18.2	16.7		25.2	20.9	17.7										18.3			15.1			12			10.1	50		
55	18.6	16.6	15.3		23.5	19.5	16.8										17.8	16.3		14.9			11.8			9.9	55		
60	17	15.2	14.3		21.8	18.4	15.9										17.3	15.8		14.5	13.7		11.6			9.7	60		
65	15.5	14	13.4		20.1	17.3	15.2										16.8	15.3	14.2	14.1	13.4		11.4	11.1		9.6	65		
70	14	13	12.5		18.8	16.3	14.5										16.3	14.8	13.8	13.6	13	12.5	11.1	10.7		9.4	9.3	70	
75	13	12	11.9		17.7	15.5	13.9										15.6	13.8	13.4	13.2	12.6	12.3	10.7	10.4	10.1	9.1	9	75	
80	12	11.2	11.2		16.7	14.6	13.3										15.3	13.9	13	12.7	12.2	12	10.4	10.1	9.8	8.9	8.8	8.8	80
85	11.1	10.6	10.8		15.6	13.8	12.8										14.7	13.5	12.7	12.2	11.8	11.7	10.1	9.8	9.6	8.6	8.5	8.5	85
90	10.4	10.1			14.5	13.1	12.4										14.1	13.1	12.4	11.8	11.4	11.4	9.8	9.5	9.3	8.4	8.3	8.3	90
95	9.9	9.8			13.7	12.6	12										13.5	12.7	12.1	11.4	11	11	9.5	9.2	9.1	8.1	8	8	95
100					13.1	12.1	11.6										13	12.3	11.8	11	10.7	10.6	9.1	8.9	8.8	7.9	7.7	7.7	100
105					12.5	11.6	11.2										12.4	11.9	11.5	10.6	10.3	10.2	8.8	8.6	8.6	7.6	7.5	7.5	105
110					11.9	11.1	10.8										11.9	11.6	11.2	10.1	9.9	9.9	8.5	8.4	8.3	7.4	7.3	7.3	110
115					11.3	10.7	10.5										11.4	11.2	10.9	9.7	9.6	9.6	8.2	8.1	8.1	7.2	7	7.1	115
120					10.9	10.3	10.2										10.8	10.8	10.7	9.3	9.3	9.2	7.9	7.8	7.8	6.9	6.8	6.8	120
125					10.5	10	9.9										10.3	10.4	10.4	9	8.9	8.9	7.6	7.5	7.6	6.7	6.6	6.6	125
130					10.1	9.7											9.8	10	10.1	8.6	8.6	8.6	7.3	7.3	7.3	6.5	6.4	6.4	130
135					9.7	9.4											9.2	9.5	9.7	8.2	8.3	8.3	7.1	7	7.1	6.2	6.2	6.2	135
140					9.4	9.1											8.4	9.1	9.2	7.9	8	8	6.8	6.8	6.8	6	6	6	140
145					9.1	8.9											7.6	8.5	8.8	7.4	7.6	7.7	6.6	6.5	6.6	5.8	5.8	5.9	145
150					8.8	8.7											7.2	7.7	8.2	6.8	7.3	7.4	6.3	6.3	6.4	5.5	5.6	5.7	150
155					8.7												6.9	7	7.4	6	6.9	7.1	6.1	6.1	6.2	5.3	5.4	5.5	155
160																	6.5	6.6	6.7	5.8	6.2	6.7	5.5	5.8	6	4.9	5.1	5.3	160
165																	6.1	6.4	6.4	5.5	5.6	6	4.9	5.6	5.8	4.5	4.9	5.1	165
170																	5.5	6	6.1	5.3	5.4	5.4	4.3	5	5.5	4	4.6	4.8	170
175																	4.8	5.4		5	5.1	5.2	3.8	4.5	4.9	3.4	4.1	4.5	175
180																	4.4	4.5		4.4	4.8		3.2	3.9	4.3	2.9	3.6	4	180
185																	3.9	4.4		4.2	4.8		2.8	3.4	3.7	2.4	3.1	3.4	185
190																	3	3.3		3.9	4		2.3	2.9	3.1		2.6	2.9	190
195																	2.5			3.7	3.8		2.4				2.4		195
200																	3.3	3.5		2.4	2.9								200
205																	2.9	3.1		2.4			2.4						205
210																	2.5												210

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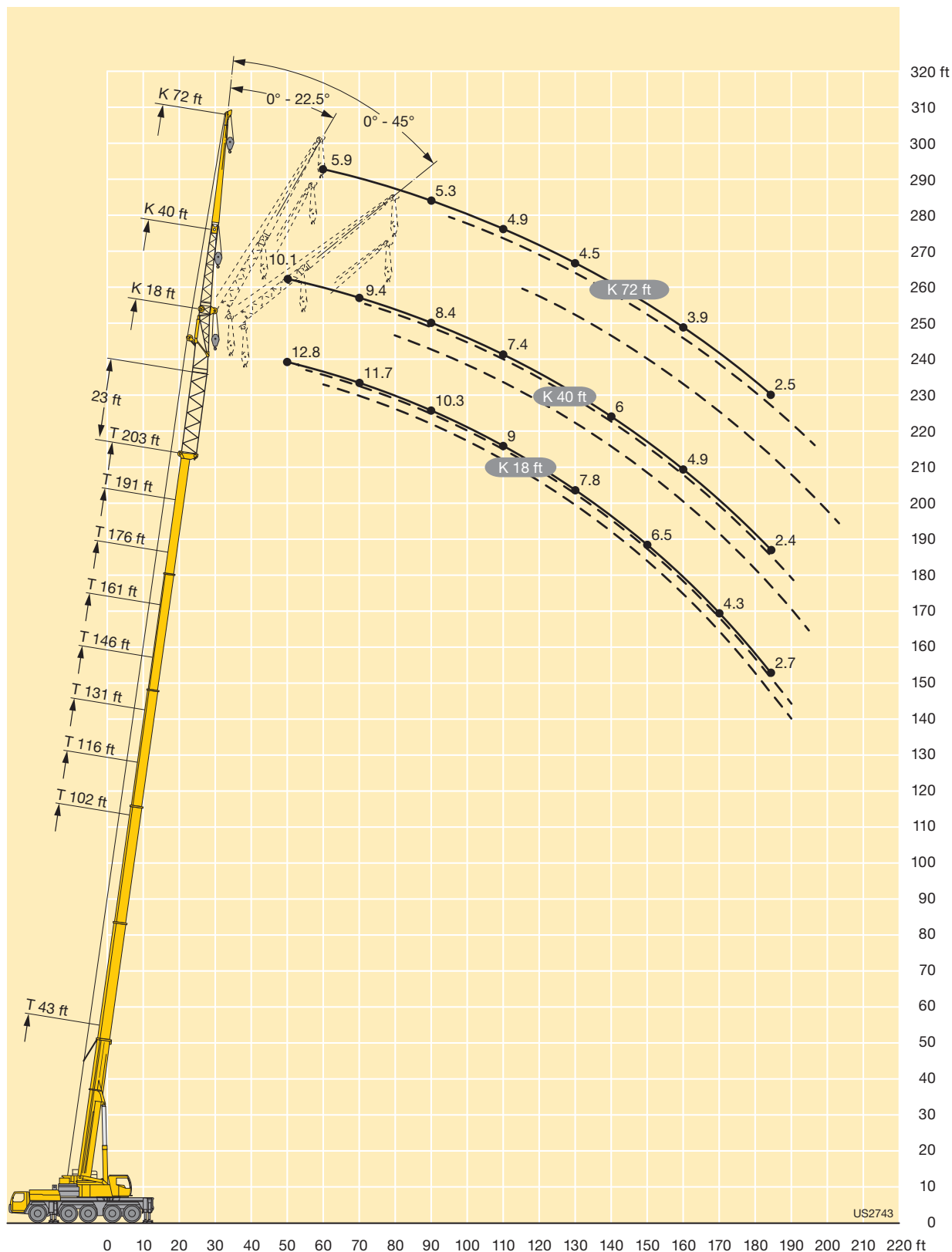
Lifting capacities Forces de levage

TVNZK

LICCON2

		 43 – 203 ft			 23 ft			 72 ft			 360°			 102500 lbs			 85%																						
		 T			 V																																		
 ft	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			203 + 23 ft			 ft											
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			72 ft														
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°												
15	23.4																											15											
16	23.4																											16											
17	23.4																											17											
18	23.4																											18											
19	23.4																											19											
20	23.4																											20											
22	23																											22											
24	22.6																											24											
26	22.1				17.3																							26											
28	21.6				17.2																							28											
30	21				17.1			16.1																				30											
32	20.5				17.1			16.1			14.8																	32											
34	19.9				17			16			14.7																	34											
36	19.3				16.9			15.9			14.6			13.1														36											
38	18.7				16.8			15.9			14.6			13.1														38											
40	18.1				16.6			15.8			14.5			13			11.5											40											
45	16.6 14.5				16			15.4			14.3			12.9			11.4											45											
50	15.2 13.3				15.3			14.9			14			12.7			11.3			9.7								50											
55	13.9 12.3				14.7 12.6			14.3			13.6			12.5			11.1			9.6			7.8					55											
60	12.7 11.4				14.1 12.1			13.8 12			13.1			12.2			10.9			9.5			7.7			5.9		60											
65	11.5 10.7 9.8				13.5 11.6			13.3 11.5			12.7 11.2			11.9			10.7			9.3			7.6			5.8		65											
70	10.7 10 9.3				12.9 11.1			12.8 11.1			12.3 10.9			11.5 10.4			10.5			9.2			7.4			5.7		70											
75	9.9 9.3 8.7				12.4 10.6 9.3			12.3 10.7			11.9 10.5			11.2 10			10.2 9.4			9			7.3			5.6		75											
80	9.2 8.8 8.3				11.8 10.1 8.9			11.9 10.2 8.9			11.5 10.1			10.9 9.8			10	9.2		8.9 8.3			7.2			5.5		80											
85	8.5 8.3 7.9				11.3 9.7 8.6			11.4 9.8 8.7			11.2 9.7 8.6			10.6 9.5			9.7 8.9			8.7 8.1			7.1			5.4		85											
90	8 7.8 7.5				10.9 9.3 8.3			11 9.5 8.4			10.8 9.4 8.3			10.3 9.2 8.2			9.5 8.7			8.5 8			7 6.9			5.3		90											
95	7.6 7.3 7.1				10.4 8.9 8.1			10.6 9.1 8.1			10.4 9.1 8.1			10 8.9 7.9			9.3 8.5 7.7			8.4 7.8			6.9 6.7			5.2 5.7		95											
100	7.1 7 6.8				10 8.6 7.8			10.2 8.8 7.9			10.1 8.8 7.9			9.8 8.6 7.7			9.1 8.2 7.5			8.2 7.6 7.1			6.8 6.6			5.1 5.6		100											
105	6.7 6.6 6.5				9.5 8.3 7.6			9.8 8.5 7.7			9.8 8.5 7.6			9.5 8.4 7.5			8.9 8 7.3			8 7.5 7			6.7 6.4			5 5.5		105											
110	6.4 6.3 6.3				9.1 8 7.3			9.4 8.2 7.4			9.5 8.2 7.4			9.2 8.1 7.3			8.7 7.8 7.1			7.8 7.3 6.8			6.6 6.2 6			4.9 5.4		110											
115	6 6 6				8.7 7.7 7.1			9.1 7.9 7.2			9.1 8 7.2			8.9 7.8 7.2			8.4 7.6 7			7.6 7.2 6.7			6.4 6.1 5.9			4.8 5.2 5.4		115											
120	5.7 5.7 5.9				8.3 7.4 6.9			8.7 7.6 7			8.8 7.7 7.1			8.7 7.6 7			8.2 7.4 6.8			7.4 7 6.6			6.2 5.9 5.7			4.7 5.1 5.3		120											
125	5.5 5.6				8 7.2 6.7			8.4 7.3 6.9			8.5 7.5 6.9			8.4 7.4 6.9			8 7.2 6.7			7.2 6.9 6.4			6 5.7 5.6			4.6 5 5.2		125											
130					7.7 6.9 6.6			8.1 7.1 6.7			8.2 7.2 6.8			8.2 7.2 6.7			7.8 7 6.6			7 6.7 6.3			5.8 5.6 5.4			4.5 4.9 5		130											
135					7.4 6.7 6.4			7.8 6.9 6.5			7.9 7 6.6			7.9 7 6.6			7.5 6.9 6.4			6.7 6.5 6.2			5.6 5.4 5.3			4.4 4.7 4.8		135											
140					7.1 6.5 6.3			7.5 6.7 6.4			7.7 6.8 6.4			7.7 6.8 6.4			7.3 6.7 6.3			6.5 6.4 6.1			5.4 5.3 5.2			4.4 4.6 4.7		140											
145					6.8 6.3 6.1			7.2 6.5 6.3			7.4 6.7 6.3			7.5 6.6 6.3			7.1 6.6 6.2			6.3 6.2 6			5.2 5.1 5.1			4.3 4.4 4.5		145											
150					6.6 6.1 6			7 6.3 6.2			7.2 6.5 6.2			7.3 6.5 6.2			6.8 6.4 6.1			6 6 5.9			5 5 4.9			4.2 4.3 4.4		150											
155					6.3 5.9 5.9			6.7 6.2 6			7 6.3 6.1			6.9 6.3 6.1			6.4 6.2 6			5.8 5.8 5.8			4.8 4.8 4.8			4.1 4.1 4.3		155											
160					6.1 5.8			6.5 6 5.9			6.8 6.1 6			6.5 6.2 6			5.9 6.1 5.9			5.5 5.6 5.6			4.6 4.7 4.7			3.9 4 4.1		160											
165					5.9 5.7			6.3 5.9 5.9			6.5 6 5.9			6.3 6 5.9			5.3 5.9 5.8			5 5.4 5.5			4.5 4.5 4.6			3.7 3.8 4		165											
170					5.7 5.5			6.1 5.7			6.3 5.9 5.8			6 5.9 5.8			5.1 5.8 5.7			4.5 5.2 5.3			4.2 4.3 4.4			3.5 3.7 3.8		170											
175					5.5 5.4			5.9 5.6			6 5.7 5.7			5.5 5.7 5.7			4.9 5.4 5.7			4.1 5 5.2			3.9 4.2 4.3			3.3 3.5 3.7		175											
180					5.4 5.3			5.7 5.5			5.4 5.6 5.7			5 5.5 5.6			4.6 4.8 5.5			3.9 4.6 5			3.4 4 4.2			2.9 3.4 3.6		180											
185					5.3			5.5 5.4			4.8 5.5			4.4 5.3 5.5			4.2 4.6 5			3.7 4.1 4.8			2.9 3.9 4			2.5 3.3 3.5		185											
190								5.3 5.3			4.3 5.1			3.9 4.8 5.3			3.8 4.4 4.5			3.5 3.7 4.4			2.5 3.6 3.9			3.1 3.4		190											
195								4.9 5.2			3.8 4.5			3.3 4.2			3.3 4.2 4.3			3.3 3.5 3.8			3.2 3.7			2.8 3.2		195											
200								4.4			3.3 3.9			2.9 3.7			2.9 3.7 4.1			2.9 3.4 3.5			2.7 3.4			2.4 3		200											
205											2.9 3.4			2.4 3.2			2.7 3.2			2.5 3.2 3.4			2.3 2.9			2.6		205											
210											2.5 2.8			2.7			2.5 2.8			2.9 3.2			2.4					210											
215																	2.3 2.6			2.5								215											
220																	2.4											220											

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Lifting capacities Forces de levage

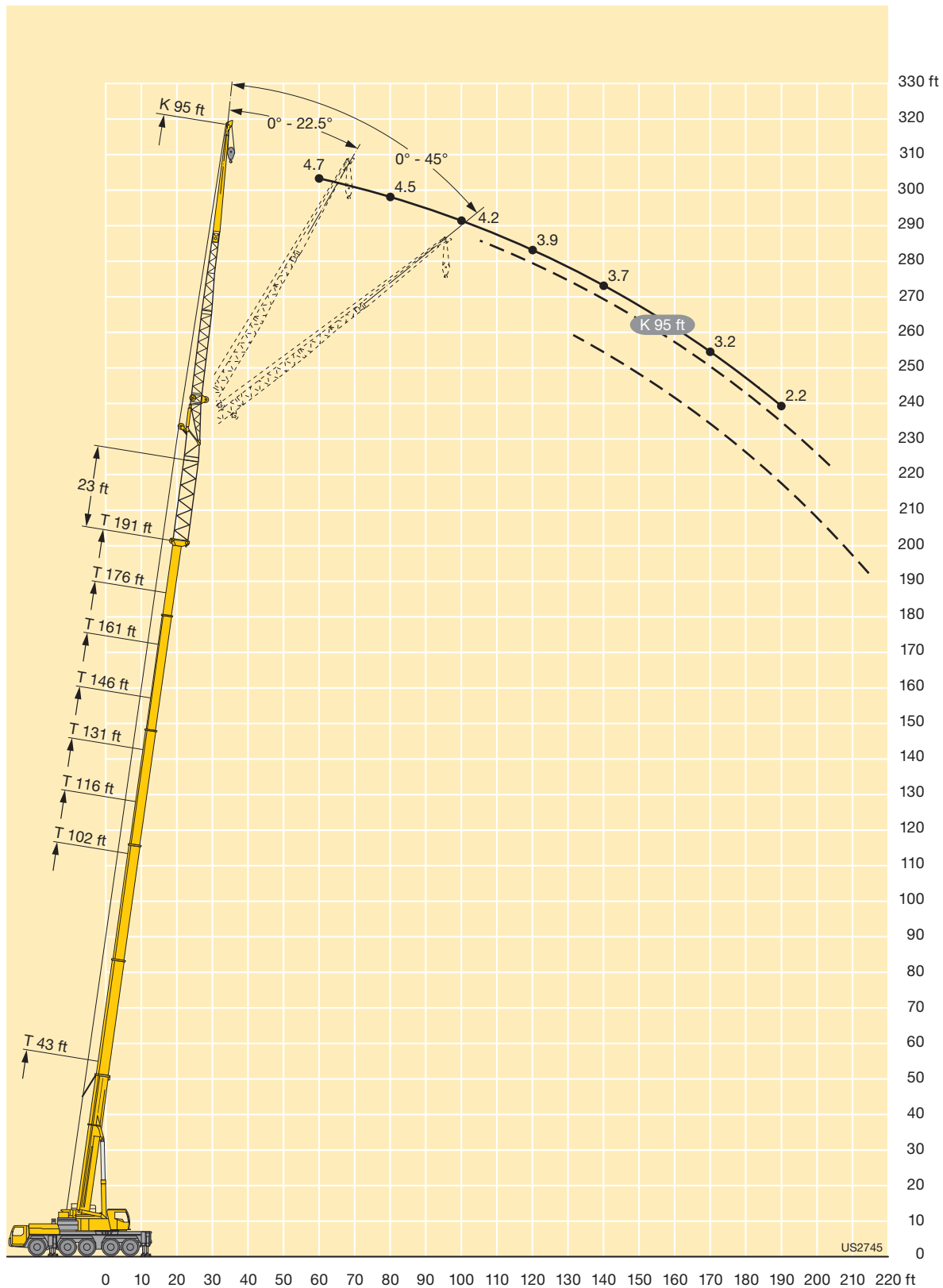
TVNZK

LICCON2



	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			191 + 23 ft			
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
18	15.6																							18	
19	15.5																							19	
20	15.5																							20	
22	15.5																							22	
24	15.5																							24	
26	15.4																							26	
28	15.3																							28	
30	15.1			12.1																				30	
32	14.9			12																				32	
34	14.7			12			11.4																	34	
36	14.4			11.9			11.3																	36	
38	14.1			11.9			11.3			10.5														38	
40	13.8			11.9			11.3			10.5														40	
45	13			11.7			11.2			10.4			9.4			8.3								45	
50	12.3			11.4			11			10.3			9.4			8.2								50	
55	11.5	10.3		11			10.7			10.2			9.3			8.2			7					55	
60	10.7	9.6		10.7			10.4			9.9			9.2			8.1			6.9			4.7		60	
65	10	8.9		10.4			10.1			9.6			9			8			6.8			4.7		65	
70	9.3	8.4		10	8.8		9.8			9.4			8.8			7.9			6.8			4.7		70	
75	8.6	7.8		9.6	8.3		9.5	8.3		9.1			8.5			7.7			6.7			4.6		75	
80	8	7.4		9.2	7.9		9.2	8		8.8	7.8		8.3			7.6			6.6			4.5		80	
85	7.5	6.9	6.5	8.9	7.6		8.8	7.6		8.6	7.5		8.1	7.2		7.4			6.5			4.4		85	
90	7	6.5	6.1	8.5	7.3		8.5	7.3		8.3	7.3		7.9	7		7.2	6.6		6.3			4.4		90	
95	6.5	6.1	5.8	8.2	7	6.1	8.2	7		8	7		7.6	6.8		7	6.4		6.2	5.8		4.3		95	
100	6.1	5.8	5.5	7.8	6.7	5.9	7.9	6.8	5.9	7.8	6.7		7.4	6.6		6.8	6.2		6.1	5.7		4.2		100	
105	5.7	5.4	5.3	7.5	6.4	5.7	7.6	6.5	5.7	7.5	6.5	5.7	7.2	6.3		6.7	6		6	5.5		4.1	4.5	105	
110	5.4	5.1	5	7.2	6.1	5.5	7.4	6.2	5.5	7.3	6.2	5.5	7	6.1	5.4	6.5	5.9		5.8	5.4		4	4.5	110	
115	5.1	4.9	4.8	6.9	5.9	5.3	7.1	6	5.4	7	6	5.3	6.8	5.9	5.2	6.3	5.7	5.1	5.7	5.3		3.9	4.4	115	
120	4.8	4.6	4.5	6.6	5.7	5.1	6.8	5.8	5.2	6.8	5.8	5.2	6.6	5.7	5.1	6.2	5.5	4.9	5.6	5.2	4.7	3.9	4.3	120	
125	4.5	4.4	4.3	6.2	5.5	5	6.5	5.6	5	6.6	5.6	5	6.4	5.6	5	6	5.4	4.8	5.5	5	4.6	3.8	4.2	125	
130	4.3	4.1	4.1	6	5.2	4.8	6.2	5.4	4.9	6.4	5.4	4.9	6.2	5.4	4.8	5.9	5.2	4.7	5.3	4.9	4.5	3.8	4.1	3.9	130
135	4	3.9	4	5.7	5	4.7	6	5.2	4.7	6.1	5.2	4.8	6	5.2	4.7	5.7	5.1	4.6	5.2	4.8	4.4	3.7	4	3.8	135
140	3.8	3.8	3.9	5.5	4.9	4.5	5.7	5	4.6	5.9	5.1	4.6	5.8	5.1	4.6	5.6	4.9	4.5	5.1	4.7	4.3	3.7	4	3.7	140
145	3.6	3.6		5.3	4.7	4.4	5.5	4.8	4.5	5.7	4.9	4.5	5.6	4.9	4.5	5.4	4.8	4.4	5	4.5	4.2	3.6	3.9	3.7	145
150	3.5	3.5		5.1	4.5	4.3	5.3	4.7	4.4	5.5	4.8	4.4	5.5	4.8	4.4	5.3	4.6	4.3	4.8	4.4	4.1	3.6	3.8	3.6	150
155				4.8	4.4	4.2	5.1	4.5	4.3	5.3	4.6	4.3	5.3	4.6	4.3	5.1	4.5	4.2	4.7	4.3	4.1	3.5	3.7	3.5	155
160				4.6	4.2	4.1	5	4.4	4.2	5.1	4.5	4.2	5.1	4.5	4.2	5	4.4	4.1	4.5	4.2	4	3.5	3.5	3.5	160
165				4.5	4.1	4	4.8	4.2	4.1	4.9	4.3	4.1	4.9	4.3	4.1	4.8	4.3	4	4.3	4.1	3.9	3.4	3.4	3.4	165
170				4.3	4	3.9	4.6	4.1	4	4.8	4.2	4	4.8	4.2	4	4.5	4.2	3.9	4.1	4	3.8	3.2	3.3	3.3	170
175				4.2	3.8	3.8	4.4	4	3.9	4.6	4.1	3.9	4.5	4.1	3.9	4.1	4.1	3.9	3.7	3.9	3.8	3	3.2	3.2	175
180				4	3.7	3.8	4.2	3.9	3.8	4.4	4	3.9	4.4	4	3.9	3.9	4	3.8	3.2	3.8	3.7	2.9	3	3.1	180
185				3.8	3.6		4.1	3.8	3.8	4.2	3.9	3.8	4.2	3.9	3.8	3.7	3.9	3.7	2.8	3.7	3.7	2.6	2.9	3	185
190				3.7	3.5		4	3.7	3.7	4.1	3.8	3.7	3.9	3.8	3.7	3.5	3.8	3.7	2.6	3.6	3.6	2.2	2.8	2.9	190
195				3.6	3.4		3.8	3.6		3.9	3.7	3.7	3.4	3.7	3.7	3.1	3.6	3.6	2.5	3.3	3.5		2.7	2.8	195
200				3.5	3.4		3.7	3.5		3.4	3.6	3.7	3	3.6	3.6	2.7	3.3	3.6	2.3	2.9	3.4		2.5	2.7	200
205				3.4	3.4		3.6	3.4		3	3.5		2.5	3.5	3.6	2.3	3.2	3.4		2.4	3.2		2.4	2.6	205
210				3.4			3.5	3.4		2.6	3.4			3.2	3.5		3	3.1		2.3	2.9			2.5	210
215							3.2	3.4			3			2.7			2.6	3			2.4			2.3	215
220							2.9				2.5			2.3			2.2	2.8							220
225							2.6										2.2	2.3							225

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Lifting capacities Forces de levage

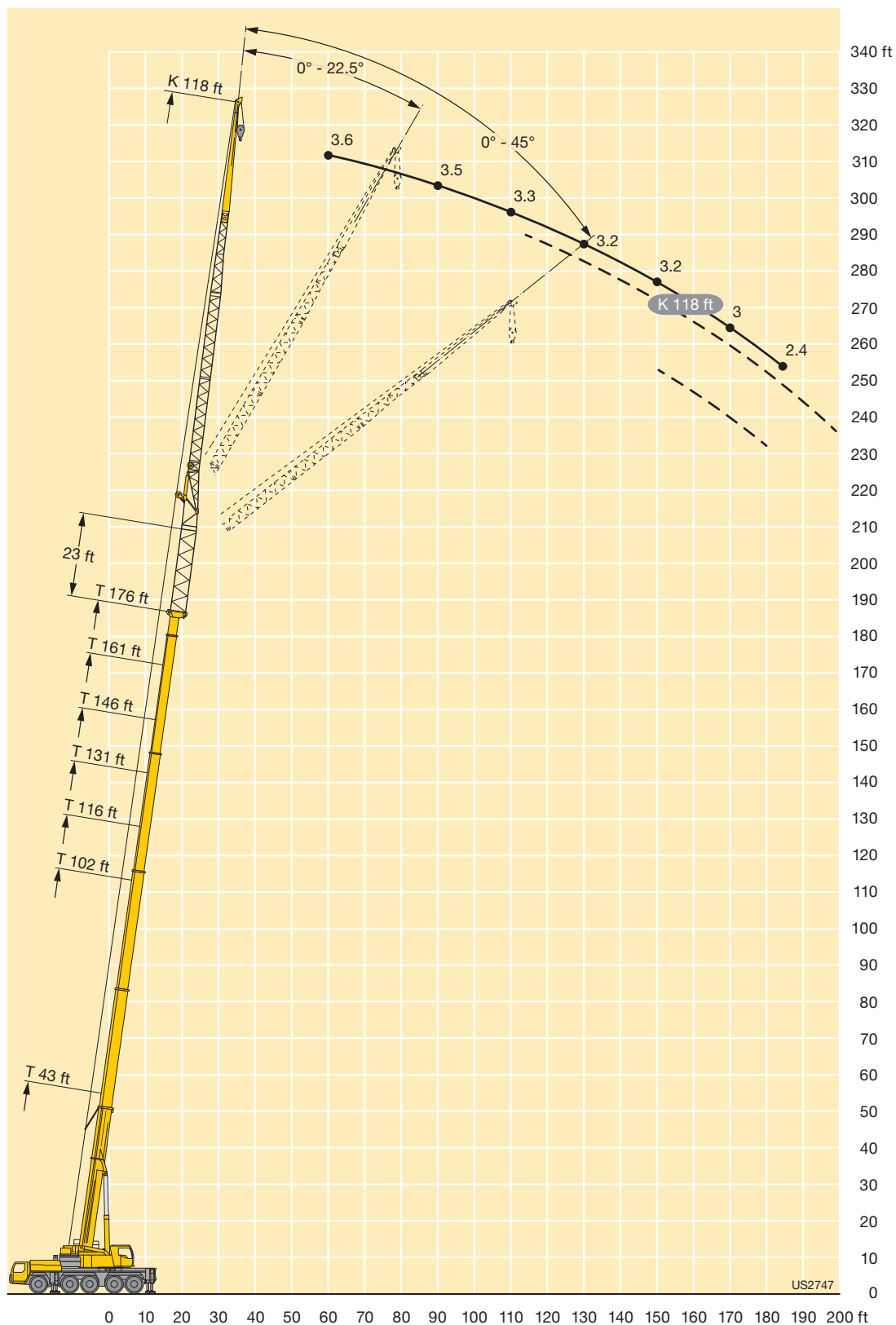
TVNZK

LICCON2



	43 + 23 ft			102 + 23 ft			116 + 23 ft			131 + 23 ft			146 + 23 ft			161 + 23 ft			176 + 23 ft			
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
24	10.5																					24
26	10.8																					26
28	10.9																					28
30	10.9																					30
32	10.9																					32
34	10.8																					34
36	10.7																					36
38	10.6			8.6																		38
40	10.5			8.6			8.1															40
45	10.1			8.5			8			7.5												45
50	9.6			8.4			8			7.4			6.7									50
55	9.1			8.2			7.9			7.3			6.6			5.7						55
60	8.6			8			7.7			7.3			6.6			5.7			3.6			60
65	8.1			7.8			7.5			7.1			6.6			5.7			3.6			65
70	7.7			7.6			7.3			6.9			6.4			5.7			3.6			70
75	7.2	6.5		7.4			7.2			6.8			6.3			5.7			3.6			75
80	6.7	6.1		7.1			7			6.6			6.1			5.5			3.6			80
85	6.2	5.7		6.9			6.8			6.4			6			5.4			3.5			85
90	5.8	5.4		6.6	5.7		6.5			6.3			5.8			5.3			3.5			90
95	5.4	5		6.3	5.5		6.3	5.5		6.1			5.7			5.2			3.5			95
100	5	4.7		6.1	5.2		6.1	5.2		5.9	5.1		5.5			5			3.4			100
105	4.7	4.4		5.8	5		5.8	5		5.7	5		5.4	4.8		4.9			3.3			105
110	4.4	4.1	4	5.6	4.7		5.6	4.8		5.5	4.8		5.2	4.6		4.8	4.3		3.3			110
115	4.1	3.9	3.8	5.4	4.5		5.4	4.6		5.3	4.6		5	4.4		4.6	4.2		3.2	3.6		115
120	3.8	3.7	3.6	5.1	4.3		5.2	4.4		5.1	4.4		4.9	4.3		4.5	4.1		3.2	3.6		120
125	3.6	3.4	3.4	4.9	4.1	3.7	5	4.2		4.9	4.2		4.7	4.1		4.4	3.9		3.2	3.5		125
130	3.4	3.2	3.2	4.7	4	3.5	4.8	4	3.5	4.8	4		4.6	4		4.3	3.8		3.2	3.4		130
135	3.1	3	3	4.4	3.8	3.4	4.6	3.9	3.4	4.6	3.9	3.4	4.4	3.8		4.1	3.7		3.2	3.3		135
140	2.9	2.8	2.8	4.2	3.6	3.2	4.4	3.7	3.3	4.4	3.7	3.3	4.3	3.7	3.2	4	3.5		3.2	3.2		140
145	2.7	2.7	2.7	4	3.5	3.1	4.2	3.5	3.2	4.2	3.6	3.2	4.1	3.5	3.1	3.9	3.4	3	3.2	3.2		145
150	2.6	2.5	2.5	3.8	3.3	3	4	3.4	3.1	4.1	3.5	3.1	4	3.4	3	3.8	3.3	2.9	3.2	3.1	2.6	150
155	2.4	2.3	2.4	3.6	3.2	2.9	3.8	3.3	3	3.9	3.3	3	3.9	3.3	2.9	3.7	3.2	2.8	3.2	3	2.5	155
160	2.2			3.5	3	2.8	3.7	3.1	2.9	3.7	3.2	2.9	3.7	3.2	2.8	3.6	3.1	2.8	3.1	2.9	2.5	160
165				3.3	2.9	2.7	3.5	3	2.8	3.6	3.1	2.8	3.6	3.1	2.7	3.4	3	2.7	3.1	2.8	2.4	165
170				3.1	2.8	2.6	3.4	2.9	2.7	3.4	3	2.7	3.5	3	2.7	3.3	2.9	2.6	3	2.7	2.3	170
175				3	2.6	2.5	3.2	2.8	2.6	3.3	2.8	2.6	3.3	2.8	2.6	3.2	2.8	2.5	2.8	2.6	2.3	175
180				2.8	2.5	2.4	3.1	2.7	2.5	3.2	2.7	2.5	3.2	2.7	2.5	3	2.7	2.5	2.6	2.5	2.2	180
185				2.7	2.4	2.4	2.9	2.6	2.4	3.1	2.6	2.4	3	2.6	2.5	2.7	2.6	2.4	2.4	2.5		185
190				2.6	2.4	2.3	2.8	2.5	2.4	2.9	2.5	2.4	2.9	2.5	2.4	2.4	2.5	2.3		2.4		190
195				2.5	2.3	2.2	2.7	2.4	2.3	2.8	2.5	2.3	2.8	2.5	2.3	2.3	2.4	2.3		2.3		195
200				2.4			2.6	2.3	2.3	2.7	2.3	2.3	2.6	2.4	2.3		2.3	2.2		2.2		200
205				2.2			2.5			2.5	2.3	2.2	2.4	2.3	2.2		2.3					205
210							2.3			2.4												210
215							2.2															215

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Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 390 kW (530 h.p.), max. torque 1846 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 127 gallons. Adblue reservoir: 12 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.
Suspension	All axles are mounted on hydropneumatic suspension – "Niveaumatik suspension" and are lockable hydraulically.
Tyres	10 tyres. Size of tyres: 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 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 180 kW (245 h.p.), max. torque 833 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel reservoir: 75 gallons. Adblue reservoir: 5 gallons.
Crane drive	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control.
Control	Electronic control by the LICCON computer system (PLC control), 2 selfcentering hand control levers (joy-stick type), with winch and slewing gear signal devices. Infinitely variable crane motions.
Hoist gear	Axial piston variable displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.
Luffing gear	1 differential ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 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 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 43 ft to 203 ft.
Counterweight	70500 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib K/NZK	40 ft – 118 ft long, mountable to the telescopic boom at 0°, 22,5° or 45°, integrated erection jib of 18 ft. Hydraulic ram for operating the swing-away jib from 0° – 45° (option).
Telescopic boom extension V	23 ft long lattice section, thus 23 ft 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, 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1 st axle.
Additional counterweight	32000 lbs for a total counterweight of 102500 lbs.

Other items of equipment available on request.

Châssis porteur

Cadre	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 390 kW (530 ch), couple max. 1846 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 127 gallons. Réservoir Adblue: 12 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.
Suspension	Suspension hydropneumatique «Niveaumatik» – sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus. 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, 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.
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Moteur	Moteur diesel Liebherr, 4 cylindres, à refroidissement par eau, de 180 kW (245 ch), couple max. 833 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir à carburant: 75 gallons. Réservoir Adblue: 5 gallons.
Entraînement de la grue	Diesel hydraulique à 5 pompes à débit variable servo commandées à régulation de puissance.
Commande	Commande électronique par l'ordinateur LICCON (commande SPS). Deux leviers de commande à 4 positions et à autocentrage, avec capteur de rotation des treuils et du mécanisme d'orientation. Commande des mouvements progressive.
Mécanisme de levage	Moteur hydraulique à cylindrée variable, treuil de marque Liebherr avec réducteur planétaire à frein d'arrêt à lamelles intégrées, en circuit hydraulique fermé.
Mécanisme de relevage	1 vérin hydraulique différentiel avec clapets anti-retour de sécurité.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.
Cabine de grue	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, 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	Un élément de base et de 5 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 43 ft – 203 ft.
Contrepoids	Plaque de base 70500 lbs.
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Fléchette pliante K/NZK	Longueur: 40 ft – 118 ft, montable sous un angle de 0°, 22,5° ou 45°, fléchette de montage intégrée de 18 ft de long. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 45° (en option).
Rallonge flèche télescopique V	Élément en treillis de 23 ft, de cette manière point d'articulation plus haute de 23 ft 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	32000 lbs pour un contrepoids total de 102500 lbs.

Autres équipements supplémentaires sur demande.

Description of symbols Explication des symboles

General symbols Symboles généraux

	Outriggers Calage		Driving speed – Onroad gear Vitesse de translation – Vitesse de route
	Axle Essieu		Driving speed – Crawl speed Vitesse de translation – Marche lente
	Radius Portée		Transmission Boîte de vitesse
	Boom length Longueur de la flèche		Gear Vitesse
	Boom position Position de la flèche		Hookblock / Capacity Moufle à crochet / Capacité de charge
	Counterweight Contrepoids		Hoist gear Treuil de levage
	Tyres Pneumatiques		Crane carrier Châssis porteur
	Slewing gear / Working area Mécanisme d'orientation / Plage de travail		Crane superstructure Partie tournante de la grue
	Standard Norme		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		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 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 246900 lbs / 282200 lbs 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 246900 lbs / 282200 lbs 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.