

Mobile Crane/Grue mobile

LTM 1090-4.1

	110 t (us)
	164 ft
	205 ft
	246 ft
	259 ft



LIEBHERR

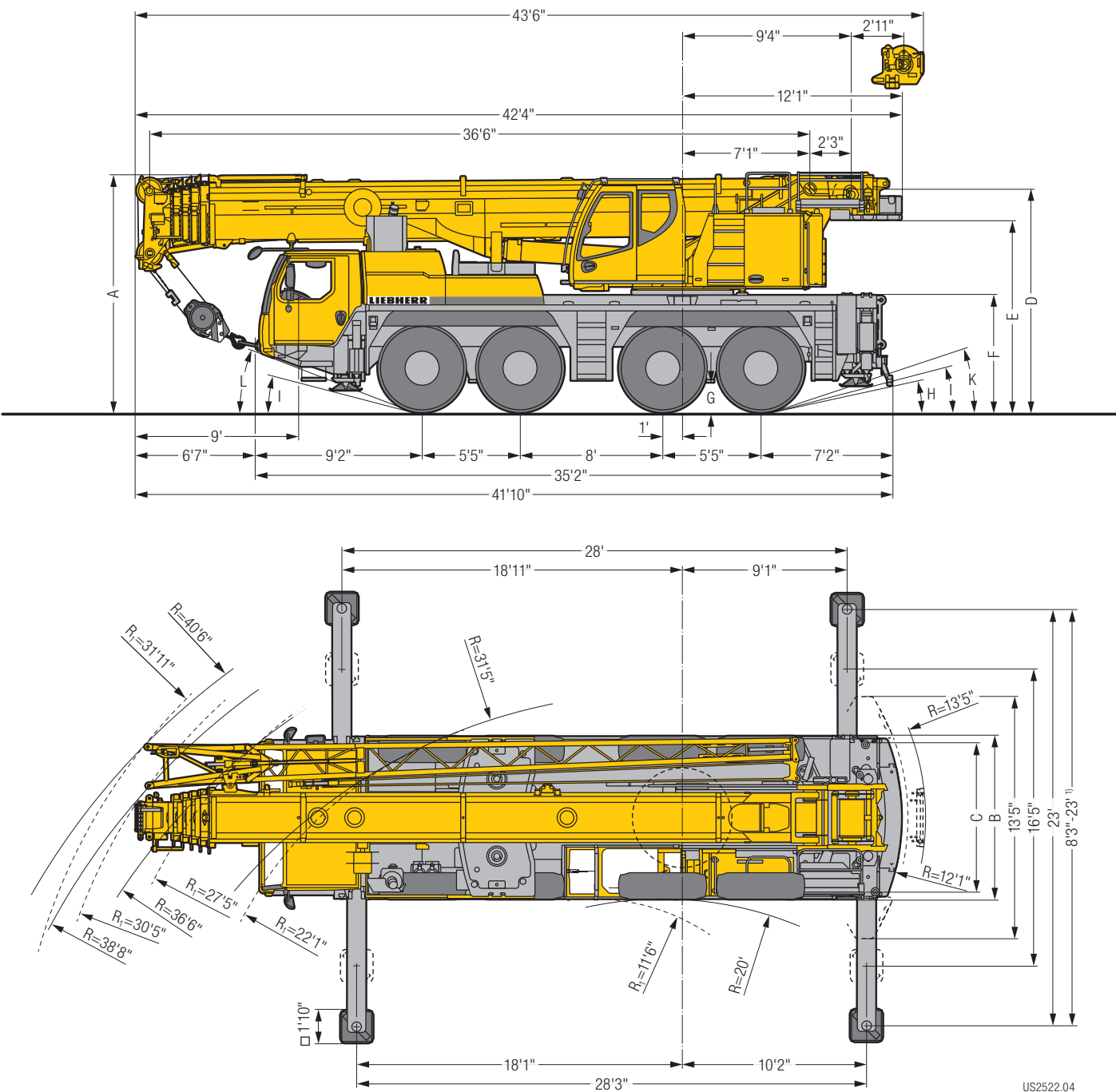
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Dimensions Encombrement



US2522.04

R₁ = All-wheel steering · Direction toutes roues ¹⁾ only with VarioBase® · seulement avec VarioBase®

Dimensions/Encombrement

	A	A 0'4" *	B	C	D	E	F	G	H	I	K	L
445/95 R 25 (16.00 R 25)	13'1"	12'10"	9'	7'7"	12'2"	10'6"	6'4"	1'5"	11°	13°	17°	18°
525/80 R 25 (20.5 R 25)	13'1"	12'10"	9'6"	7'9"	12'2"	10'6"	6'4"	1'5"	11°	13°	17°	18°

* lowered · abaissé

Mobile Crane/Grue mobile

LTM 1090-4.1



164 ft



34 ft – 62 ft



23 ft



8 ft



46300 lbs

€COmode

VarioBase®



Option





Weights Poids

Hook block/Moufles à crochet

Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
176.3	7	14	1100
128.7	5	10	1100
84.4	3	7	992
35.3	1	3	606
12.5	—	1	309

Working speeds Vitesses

Crane carrier/Châssis porteur

	 min.	 max.	 %
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	61.1 %

	
	12 / R2
	4 / R2

Crane superstructure/Partie tournante

Drive Mécanismes	infinitely variable en continu	Rope diameter / length Diamètre / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 410 ft/min single line ft/min au brin simple	0.67" / 853 ft	12800 lbs
	0 – 410 ft/min single line ft/min au brin simple	0.67" / 853 ft	12800 lbs
	0 – 1.7 rpm		
	approx. 50 seconds to reach 83° boom angle env. 50 s jusqu'à 83°		
	approx. 330 seconds for boom extension from 36 ft – 164 ft env. 330 s pour passer de 36 ft – 164 ft		

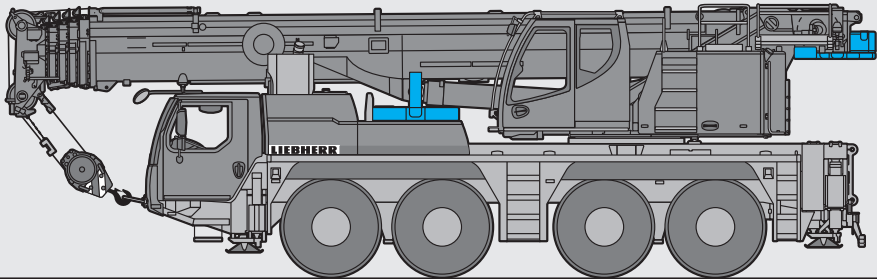
Counterweight Contrepoids



Technically transportable - Transport techniquement simplifié

Axle/Essieu

Axle Essieu	1	2	3	4	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	105600 ¹⁾
¹⁾ with 14800 lbs counterweight - avec contrepoids 14800 lbs					

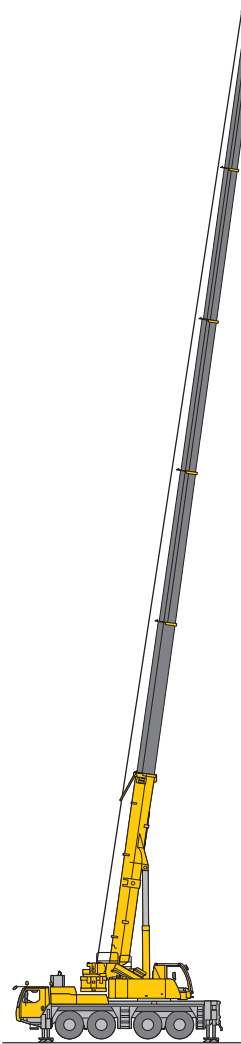


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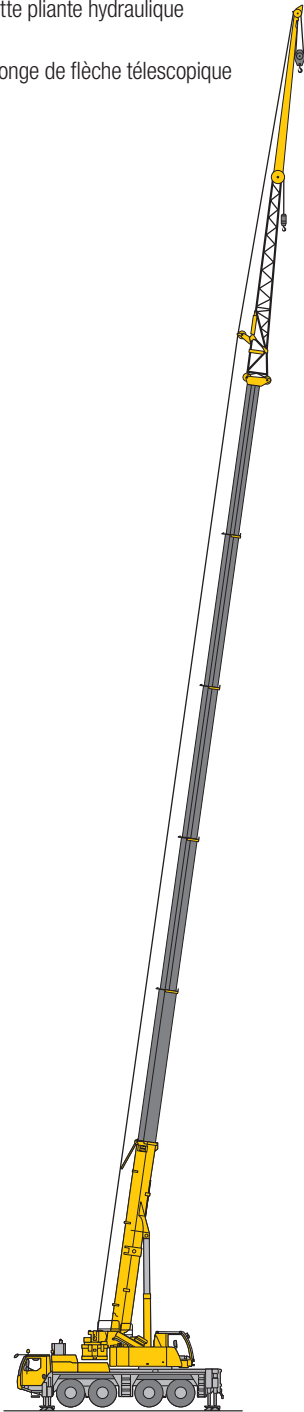
Boom/jib combinations

Configurations de flèche

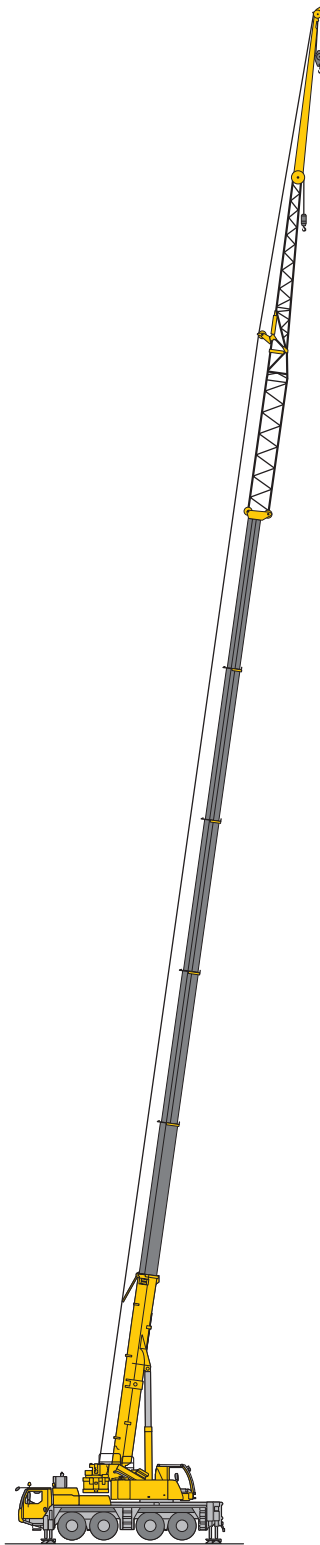
- T** Telescopic boom/Flèche télescopique
- K** Erection jib/Flechette de montage
- NZK** Hydraulic swing away jib/Fléchette pliante hydraulique
- V** Telescopic boom extension/Rallonge de flèche télescopique



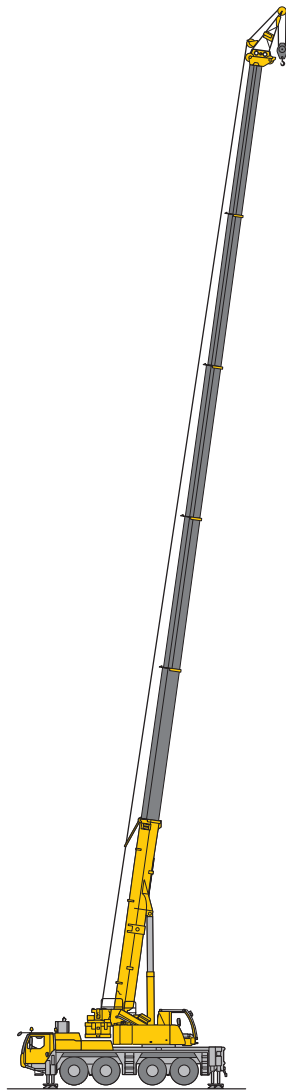
T
10 – 15



TK/TNZK
16 – 21



TVK/TVNZK
22 – 27



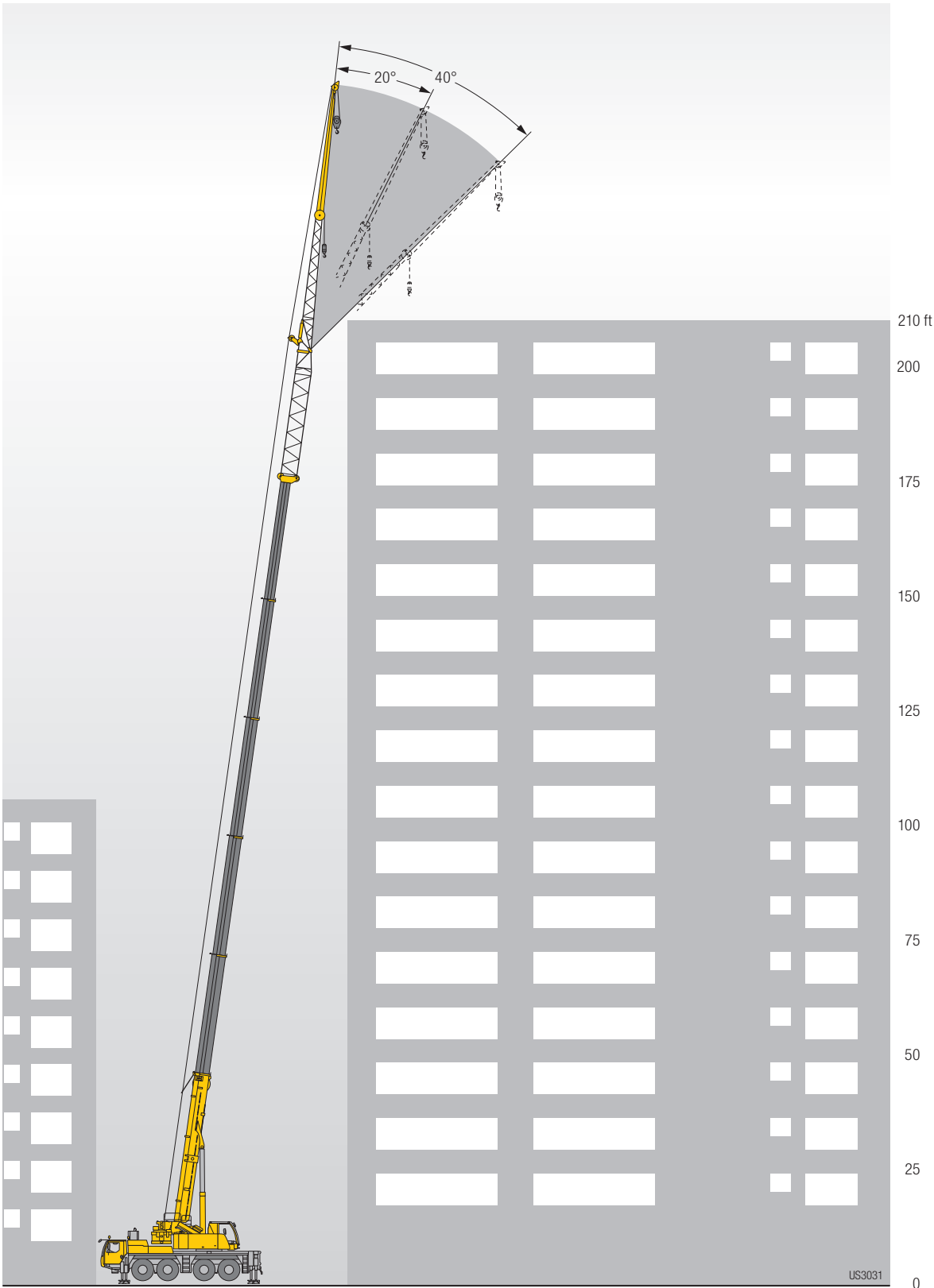
TK
28 – 29

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Hydraulic swing away jib

Flèche pliante hydraulique



Lifting capacities

Forces de levage

T



	* 36 ft		48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	218.3	139.5	139.5	139.5	118									10
11	202.9	139.5	139.5	137.9	118	95.8								11
12	146.4	139.5	138	132.8	118	95.8								12
13	140.3	139.2	132.5	126.7	118	95.8	82.7							13
14	134.7	132.4	127.5	121.2	116.7	95.8	82.2							14
15	129.6	126.1	122.7	116.7	113.4	95.8	81.6							15
16	124.9	120.5	118.1	113	108.8	95.8	81	61.2						16
17	120.5	115.2	113.7	108.8	104.5	95.7	80.3	61.2						17
18	116.3	110.3	109.9	105	100.7	95.2	79.5	61.2	37.3					18
19	112.4	105.7	105.9	102.4	97.1	93.8	78.8	61.2	53.4					19
20	108.8	101.3	101.8	99	94.7	91.7	77.8	61.2	53.3					20
22	101.2	93.2	94.2	93	89.6	86.2	75.7	61.2	52.9	42.6				22
24	91.8	85.1	86.4	87	84.3	81	73.7	60.7	52.2	42.5	25			24
26	83.3	77.8	79.2	79.8	78.5	74.9	71.3	58.6	51.3	42.2	34			26
28	76	71.5	72.9	73.5	71.7	70.3	66.4	56.1	49.8	41.6	33.8	25		28
30			67.4	68.1	65.5	64.3	61.1	53.5	48	40.7	33.5	25	21.8	30
32			62.4	62.9	60.1	59.4	56.3	51	46.2	39.6	32.9	25	21.8	32
34			57.7	58	57	55	52.2	48.6	44.4	38.4	32.1	25	21.8	34
36			53.7	53.8	53.3	51.1	48.6	46.1	42.5	37.1	31.3	25	21.8	36
38			50.1	50.1	49.8	47.7	45.3	43.1	40.7	36	30.5	24.9	21.6	38
40			47.1	46.9	46.6	44.6	42.4	40.7	38.9	34.8	29.6	24.5	21.3	40
45				40.4	40.1	38.3	36.4	35.3	33.5	32	27.6	23.3	20.5	45
50				34.5	34.8	33.4	31.7	30.7	29.5	28.8	25.7	22	19.5	50
55					30.1	29.4	28	28.1	26.6	25.3	24.1	20.8	18.4	55
60					26.4	26.1	24.9	25.1	23.6	22.3	22.2	19.6	17.4	60
65						23	23.3	22.4	21.1	20.6	20	18.5	16.4	65
70						20.5	21.4	20.3	18.9	19.1	18	17.5	15.5	70
75						18.9	19.1	18.4	17.7	17.2	16.2	16.4	14.7	75
80							17.3	16.7	16.7	15.6	15.3	15	13.9	80
85							15.7	15.4	15.2	14.7	14.4	13.6	13.2	85
90								14	13.8	13.8	13.3	12.4	12.2	90
95								13.3	12.5	12.5	12.2	11.3	11.2	95
100									11.6	11.3	11.1	10.3	10.2	100
105									11	10.4	10.1	9.4	9.3	105
110									10.1	9.5	9.1	8.5	8.5	110
115										8.8	8.4	7.8	7.7	115
120										8.1	7.7	7.1	7	120
125											7.1	6.4	6.4	125
130											6.5	5.8	5.8	130
135											5.9	5.2	5.2	135
140												4.7	4.7	140
145												4.2	4.2	145
150													3.7	150
155													3.3	155

* over rear - en arrière

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Lifting capacities

Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	139.5	139.5	139.5	118									10
11	139.5	139.5	137.9	118	95.8								11
12	139.5	138	132.8	118	95.8								12
13	138.6	132.5	126.7	118	95.8	82.7							13
14	131.8	127.5	121.2	116.7	95.8	82.2							14
15	125.6	122.7	116.7	113.4	95.8	81.6							15
16	119.9	118.1	113	108.8	95.8	81	61.2						16
17	114.6	113.7	108.8	104.5	95.7	80.3	61.2						17
18	109.4	109.6	105	100.7	95.2	79.5	61.2	37.3					18
19	104.7	105.3	102.4	97.1	93.8	78.8	61.2	53.4					19
20	100.1	100.7	99	94.7	91.7	77.8	61.2	53.3					20
22	90.6	92	92.4	88	83.5	75.7	61.2	52.9	42.6				22
24	82.3	83.6	83.8	79.6	77	72.6	60.7	52.2	42.5	25			24
26	75.2	76.6	75.1	71.5	70	65.8	58.6	51.3	42.2	34			26
28	68.7	70.3	68	65.8	63.6	60	55.9	49.8	41.6	33.8	25		28
30		64.3	61.9	61	58.1	55.1	52.1	48	40.7	33.5	25	21.8	30
32		58.8	56.7	56.1	53.6	50.7	48	45.8	39.6	32.9	25	21.8	32
34		54.2	52.2	51.8	49.6	46.9	45.1	42.9	38.4	32.1	25	21.8	34
36		49.7	49.3	48.1	46	43.6	42.1	39.9	37.1	31.3	25	21.8	36
38		46	46.3	44.8	42.9	40.6	39.4	37.3	36	30.5	24.9	21.6	38
40		42.4	43.4	41.9	40.1	38.2	36.8	35	34.2	29.6	24.5	21.3	40
45			36.5	36	34.3	32.8	32.5	31	29.3	27.6	23.3	20.5	45
50			31	31.2	29.8	29.3	28.5	26.9	25.7	25.4	22	19.5	50
55				26.9	26.2	26.4	25	23.5	23.4	22.3	20.8	18.4	55
60				23.5	23.2	23.5	22.2	21.4	20.9	19.7	19.5	17.4	60
65					21	21.1	20.3	19.8	18.6	18.4	17.8	16.4	65
70					19.3	18.9	18.3	17.8	17.3	16.9	15.9	15.4	70
75					17.4	16.8	16.5	16	15.7	15.2	14.2	14	75
80						15	15.3	14.5	14.4	13.8	12.8	12.6	80
85						13.5	13.9	13.7	13.1	12.5	11.5	11.3	85
90							12.6	12.4	11.8	11.3	10.4	10.2	90
95							11.3	11.2	10.6	10.2	9.4	9.2	95
100								10.2	9.6	9.2	8.5	8.3	100
105								9.2	8.7	8.4	7.7	7.5	105
110								8.5	7.9	7.6	6.9	6.8	110
115									7.3	6.9	6.3	6.1	115
120									6.6	6.3	5.6	5.5	120
125										5.6	5	5	125
130										5.1	4.4	4.4	130
135										4.6	3.8	3.9	135
140											3.4	3.4	140
145											2.9	2.9	145
150												2.5	150
155												2.1	155

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Lifting capacities

Forces de levage

T



	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	139.5	139.5	139.5	118									10
11	139.5	139.5	137.9	118	95.8								11
12	139.2	138	132.8	118	95.8								12
13	136.9	132.5	126.7	118	95.8	82.7							13
14	129.8	127.5	121.2	115.6	95.8	82.2							14
15	123.2	122.7	116.2	109.2	95.4	81.6							15
16	116.3	116.2	109.1	99.2	92.3	81	61.2						16
17	109.2	107.7	101.9	93.7	86.5	79.9	61.2						17
18	102.7	99.3	93.5	86.6	82.7	76.8	61.2	37.3					18
19	96.8	91.8	86.3	81.7	77.1	71.6	61.2	53.4					19
20	89.7	84.6	79.9	77	72.1	67.1	61.2	53.3					20
22	77.1	73.3	71	67.8	63.5	59.3	56.3	51.5	42.6				22
24	67.3	64.2	62.9	60.2	56.7	53.3	50.5	47.5	42.5	25			24
26	59.6	58	56.3	54	51.1	48.9	46.2	44.2	41.3	34			26
28	52.7	52.1	50.8	48.8	46.3	44.7	42.9	40.2	37.6	33.8	25		28
30		47	46.1	44.4	42.1	40.8	39.1	36.6	35.8	33.1	25	21.8	30
32		42.8	42.1	40.5	38.7	38.1	35.8	34.3	32.9	30.9	25	21.8	32
34		39.1	38.4	37	35.5	35	33.3	31.9	30.3	28.5	25	21.8	34
36		35.9	35.3	34	33.6	32.4	31	29.9	28.5	26.3	25	21.8	36
38		32.6	32.6	31.4	31.5	29.9	28.8	27.8	26.9	24.9	24.2	21.6	38
40		29.7	30.2	29.1	29.3	27.8	27.2	26	25.3	24.2	22.8	21.3	40
45			25.3	25.1	24.7	23.4	23.4	22.7	21.5	20.5	19.2	18.8	45
50			21.1	21.9	21.1	21	20.2	19.5	18.4	17.6	16.4	16	50
55				18.9	18.3	18.2	17.5	16.9	15.9	15.2	14.1	13.8	55
60				16.2	16	16	15.3	14.8	13.8	13.2	12.1	11.9	60
65					14	14.1	13.5	13	12.1	11.5	10.5	10.3	65
70					12.2	12.4	11.9	11.5	10.6	10.1	9.1	8.9	70
75					10.7	10.8	10.5	10.2	9.3	8.8	7.9	7.7	75
80						9.5	9.2	9	8.2	7.7	6.8	6.7	80
85						8.5	8.2	8	7.3	6.8	5.9	5.8	85
90							7.3	7.1	6.4	5.9	5	5	90
95							6.5	6.3	5.7	5.2	4.3	4.2	95
100								5.6	5	4.5	3.7	3.6	100
105								4.9	4.3	3.9	3.1	3	105
110								4.3	3.7	3.4	2.6	2.5	110
115									3.2	2.8	2	1.9	115
120									2.7	2.3			120
125										1.8			125

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Lifting capacities

Forces de levage

T



85%

	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	
10	139.5	139.5	139.5	118									10
11	139.5	139.5	137.9	118	95.8								11
12	139.2	138	132.8	118	95.8								12
13	136.6	132.5	126.7	118	95.8	82.7							13
14	129.3	127.5	120.6	113	95.8	82.2							14
15	122.7	121.9	113.6	103.7	95	81.6							15
16	114.8	113.6	104.1	94.8	88.6	80.7	61.2						16
17	107.7	103.6	96.9	89.1	82.5	77.2	61.2						17
18	101.2	95	88.9	83.6	78.8	72.9	61.2	37.3					18
19	92.4	87.1	82	78.6	73.3	67.9	60.6	53.4					19
20	85	80.3	76.8	73.2	68.5	63.7	59.7	53.3					20
22	73	69.4	67.7	64.4	60.3	56.6	53.4	49.8	42.6				22
24	63.6	61.7	59.7	57.1	53.7	51.6	48.3	46	41.6	25			24
26	56.3	54.9	53.4	51.2	48.4	46.5	44.5	41.6	38.8	34			26
28	49.8	49.2	48.1	46.1	44	42.6	40.3	37.6	36.7	33.8	25		28
30		44.4	43.5	41.8	39.8	39.2	36.8	35.3	33.5	31.3	25	21.8	30
32		40.1	39.4	37.9	36.9	35.7	34.1	32.5	30.6	28.8	25	21.8	32
34		36.5	35.9	34.6	34.5	32.8	31.4	30.2	29.1	26.4	24.9	21.8	34
36		33.4	33	31.8	31.9	30.2	29.5	27.9	27.2	24.9	24.4	21.8	36
38		30.4	30.3	29.3	29.5	27.9	27.6	26.4	25.3	24.2	22.7	21.6	38
40		27.7	28.2	27.8	27.3	25.9	25.7	24.9	23.6	22.5	21.1	20.5	40
45			23.6	23.9	23	22.8	21.9	21.1	19.9	19	17.7	17.3	45
50			19.6	20.3	19.6	19.5	18.7	18.1	17	16.2	15.1	14.7	50
55				17.5	17.1	16.9	16.2	15.6	14.6	13.9	12.8	12.6	55
60				14.9	14.9	14.8	14.1	13.6	12.7	12.1	11	10.8	60
65					12.9	12.9	12.3	11.9	11	10.4	9.5	9.3	65
70					11.1	11.3	10.9	10.4	9.6	9.1	8.1	8	70
75					9.7	9.8	9.6	9.2	8.4	7.9	7	6.8	75
80						8.6	8.4	8.1	7.4	6.8	6	5.8	80
85						7.7	7.4	7.2	6.5	5.9	5.1	5	85
90							6.6	6.4	5.6	5.1	4.3	4.2	90
95							5.8	5.6	4.9	4.5	3.6	3.5	95
100								4.9	4.3	3.8	3	2.9	100
105								4.2	3.7	3.2	2.4	2.3	105
110								3.7	3.1	2.7	1.8		110
115									2.6	2.2			115
120									2.1				120

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Lifting capacities

Forces de levage

T



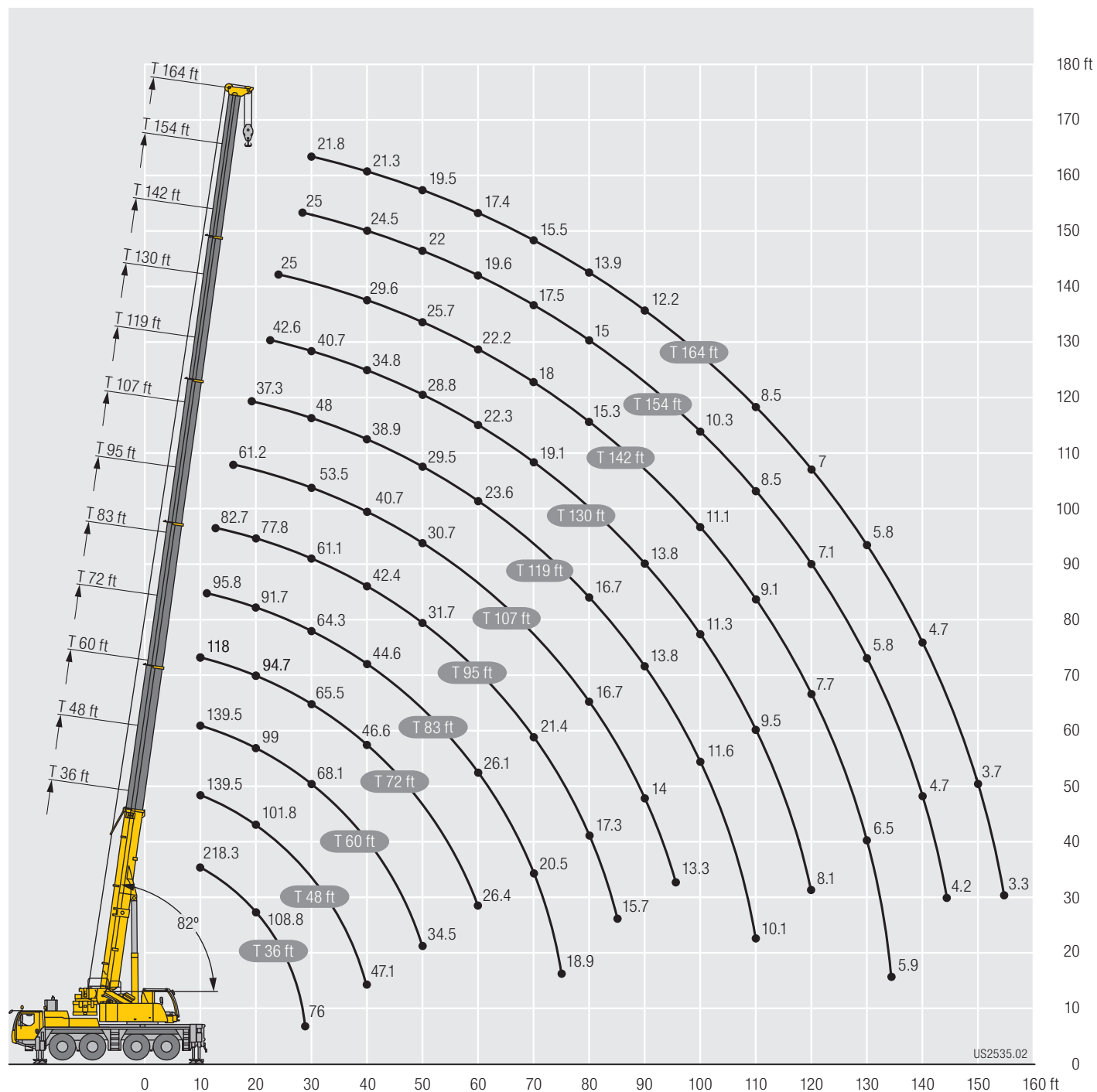
	36 ft	48 ft	60 ft	
10	42.8	44	44.2	10
11	39.9	41	41.9	11
12	37.6	38.9	39.7	12
13	34.8	36.6	37.2	13
14	32.7	33.9	34.6	14
15	30.8	32.1	32.7	15
16	29.1	30.3	31.1	16
17	27.5	28.7	29.5	17
18	26	27.3	28.1	18
19	24.6	25.9	26.7	19
20	23.3	24.6	25.4	20
22	21	22.3	23.1	22
24	18.9	20.2	21.1	24
26	17	18.4	19.3	26
28	15.4	16.8	17.7	28
30		15.4	16.2	30
32		14.1	14.9	32
34		13	13.8	34
36		11.8	12.8	36
38		10.8	11.7	38
40		9.9	10.8	40
45			8.9	45
50			7.3	50

0° = over rear / en arrière

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Lifting heights Hauteurs de levage

T



Lifting capacities

Forces de levage

TK



	36 ft 34 ft			83 ft 34 ft			95 ft 34 ft			107 ft 34 ft			119 ft 34 ft			130 ft 34 ft			142 ft 34 ft			154 ft 34 ft			164 ft 34 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	25																											12
13	25																											13
14	25																											14
15	25	22.3																										15
16	25	22.3		25																								16
17	25	22.3		25																								17
18	25	22.3		25			25																					18
19	25	22.2		25			25																					19
20	25	21.9		25			25																					20
22	25	21.1		25			25			25																		22
24	24.8	20.3	16.5	25			25			25																		24
26	23.7	19.6	16.4	25			25			25			24															26
28	22.5	19	16	25	22.3		25			25			24.1			20.3												28
30	21.5	18.4	15.7	25	22.2		25	22.3		25			24.1			20.4			17									30
32	20.4	17.8	15.4	25	21.8		25	21.9		25			23.9			20.5			17.1									32
34	19.4	17.3	15.1	25	21.3		25	21.4		25	21.1		23.8			20.5			17.1			12.4						34
36	18.4	16.8	14.8	25	20.8	16.4	25	21		25	20.7		23.6			20.4			17.1			12.4						36
38	17.5	16.4	14.6	25	20.4	16.2	25	20.6	16.3	25	20.3		23.3	19.7		20.4			17			12.4			10.7			38
40	16.6	15.8	14.4	25	20	16	25	20.2	16.1	24.9	19.9		23	19.4		20.3	18.3		17	12.6		12.4			10.8			40
45	14.7	14.4	13.8	24.7	19	15.5	24.7	19.3	15.6	24	19.1	15.6	22.3	18.7	15	19.9	17.7		17	16.3		12.4			10.8			45
50	13.1	13.3	13	22.9	18.1	15.1	23.6	18.4	15.2	23	18.4	15.2	21.5	18	15	19.4	17.2	14.6	16.7	15.7	12.6	12.4	12.3		10.8	10.9		50
55	11.8	12.3	12.3	21.3	17.4	14.8	22.3	17.7	14.9	22	17.7	14.8	20.8	17.5	14.7	18.8	16.7	14.4	16.1	15	12.6	12.4	11.9	11.2	10.7	10.5	9.7	55
60	10.7	11.6	12	19.8	16.7	14.5	21	17	14.6	21	17.1	14.5	20.1	16.9	14.4	18	16.3	14.1	15.4	14.3	12.6	12	11.4	10.7	10.5	10.2	9.7	60
65				18.3	16	14.2	19.7	16.4	14.3	19.9	16.6	14.3	19.4	16.4	14.2	17.2	15.9	13.9	14.6	13.6	12.5	11.6	10.9	10.3	10.2	9.9	9.5	65
70				16.9	15.1	13.9	18.4	15.8	14.1	18.6	16	14.1	17.6	16	14	16.3	15.4	13.7	13.8	12.9	12	11.1	10.4	10	9.9	9.5	9.2	70
75				15.7	14.4	13.5	17.1	15.2	13.8	17	15.5	13.9	15.8	15.5	13.8	15.4	14.7	13.6	13.1	12.3	11.5	10.6	10	9.7	9.5	9.2	8.9	75
80				14.6	13.7	13	16	14.5	13.5	15.4	14.9	13.7	14.3	14.8	13.6	14	14	13.3	12.4	11.7	11	10.1	9.7	9.3	9.2	8.9	8.7	80
85				13.6	13.1	12.6	14.8	13.9	13.1	14	14.2	13.3	13.4	13.7	13.4	12.6	13.2	13.1	11.8	11.1	10.6	9.7	9.3	9.1	8.8	8.5	8.4	85
90				12.7	12.6	12.3	13.7	13.3	12.7	12.8	13.4	13	12.4	12.4	12.9	11.4	12.2	12.5	11.2	10.6	10.2	9.3	9	8.8	8.5	8.2	8.1	90
95				12	12.1	12.1	12.5	12.6	12.4	11.7	12.3	12.6	11.4	11.6	11.8	10.4	11.1	11.6	10.3	10.2	9.8	9	8.7	8.5	8.2	7.9	7.8	95
100				11.3	11.7		11.3	11.7	11.9	10.7	11.2	11.6	10.4	10.9	11	9.9	10.1	10.6	9.4	9.8	9.5	8.6	8.4	8.3	7.9	7.7	7.6	100
105				10.7	11.2		10.3	10.6	10.8	9.7	10.1	10.4	9.5	10	10.3	9.3	9.3	9.6	8.5	9.1	9.2	8.3	8.1	8	7.6	7.4	7.3	105
110				10.2			9.4	9.6		8.8	9.2	9.3	8.7	9.1	9.4	8.6	8.9	8.8	7.9	8.3	8.8	8	7.8	7.8	7.3	7.2	7.1	110
115							8.6	8.8		8	8.4	8.5	7.9	8.3	8.5	7.9	8.3	8.4	7.6	7.5	8.1	7.3	7.6	7.5	7.1	6.9	6.9	115
120							7.9	8		7.3	7.6		7.2	7.6	7.8	7.3	7.7	7.9	7.3	7.2	7.3	6.7	7.1	7.3	6.4	6.7	6.7	120
125										6.6	6.8		6.5	6.9	7	6.8	7	7.3	6.8	7	7	6.1	6.5	6.8	5.8	6.3	6.5	125
130										6	6.1		6.2	6.2		6.5	6.5	6.6	6.3	6.6	6.7	5.5	5.9	6.2	5.3	5.7	6	130
135													6	6		6.1	6.2	6.3	5.8	6.1	6.3	5	5.4	5.6	4.8	5.2	5.5	135
140													5.8	5.9		5.6	5.9		5.2	5.5	5.7	4.5	4.9	5.1	4.3	4.7	5	140
145													5.7			5.1	5.4		4.7	5	5.1	4	4.4	4.6	3.9	4.2	4.4	145
150																4.7	4.8		4.2	4.5		3.6	3.9	4	3.5	3.8	4	150
155																4.3			3.8	4		3.1	3.4	3.5	3	3.3	3.5	155
160																			3.4	3.5		2.7	3		2.6	2.9	3	160
165																			3	3.1		2.4	2.5		2.3	2.5		165
170																						2	2.2		1.9	2.1		170
175																						1.7	1.8		1.6	1.8		175
180																						1.4				1.4		180

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Lifting capacities

Forces de levage

TK

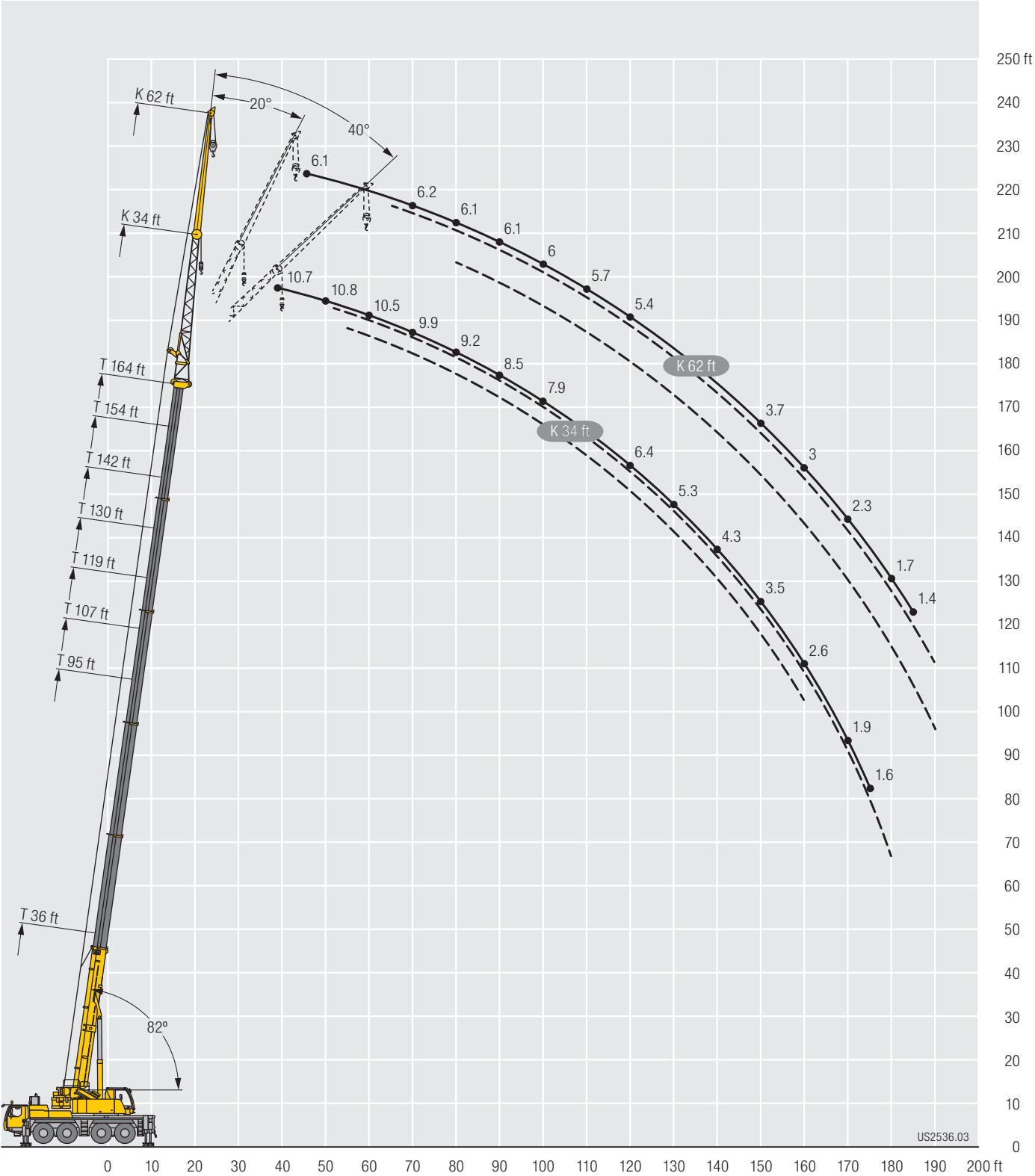


	36 ft			95 ft			107 ft			119 ft			130 ft			142 ft			154 ft			164 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	9																								12
13	9																								13
14	9.1																								14
15	9.1																								15
16	9.1																								16
17	9.1																								17
18	9.1																								18
19	9																								19
20	9																								20
22	8.9																								22
24	8.7																								24
26	8.6				9.1																				26
28	8.4				9.1			8.5																	28
30	8.3	7.3			9.1			8.6																	30
32	8.2	7.3			9.1			8.6			8.2														32
34	8	7.3			9.1			8.6			8.3														34
36	7.9	7.3			9			8.6			8.3			8.3											36
38	7.8	7.2			9			8.6			8.3			8.3		7.7									38
40	7.6	7			8.9			8.5			8.3			8.3					6.8						40
45	7.3	6.7			8.6	7.3		8.4			8.2			8.3					6.8			6.1			45
50	7	6.4	5.8	8.4	7.3			8.2	7		8	7.1		8.2					6.9			6.2			50
55	6.7	6.2	5.7	8.2	7.1			8	7.1		7.9	7		8	7.1				6.9			6.2			55
60	6.2	6	5.6	8	6.9	5.8	7.8	6.9		7.7	6.8			7.8	7				6.9	6.5		6.2			60
65	5.8	5.8	5.5	7.8	6.7	5.8	7.6	6.7	5.8	7.5	6.7			7.7	6.9				6.8	6.4		6.2	5.8		65
70	5.4	5.6	5.4	7.6	6.6	5.8	7.5	6.6	5.8	7.4	6.5	5.6		7.5	6.7	5.6			6.8	6.3		6.2	5.8		70
75	5	5.2	5.3	7.3	6.4	5.7	7.3	6.4	5.7	7.2	6.4	5.6		7.4	6.6	5.6			6.7	6.2	5.3	6.2	5.8		75
80	4.7	4.9	5.1	7.1	6.2	5.6	7.1	6.2	5.6	7.1	6.3	5.6		7.2	6.4	5.6			6.6	6.1	5.3	6.1	5.8	5.1	80
85	4.4	4.6	4.8	6.9	6.1	5.6	6.9	6.1	5.6	7	6.1	5.5		7.1	6.3	5.6			6.5	6	5.3	6.1	5.8	5.1	85
90	4.2	4.3		6.8	6	5.5	6.7	6	5.5	6.8	6	5.5		7	6.2	5.5			6.9	6.1	5.5	6.5	5.9	5.3	90
95				6.5	5.9	5.4	6.6	5.9	5.4	6.6	5.9	5.4		6.9	6.1	5.5			6.7	6	5.4	6.4	5.8	5.3	95
100				6.2	5.8	5.4	6.3	5.8	5.4	6.4	5.8	5.4		6.7	5.9	5.4			6.6	5.9	5.4	6.3	5.7	5.2	100
105				5.9	5.7	5.4	6.1	5.7	5.4	6.2	5.7	5.3		6.6	5.8	5.4			6.5	5.8	5.3	6.2	5.6	5.2	105
110				5.7	5.5	5.3	5.9	5.6	5.3	6.1	5.6	5.3		6.5	5.7	5.3			6.4	5.7	5.3	6.1	5.5	5.2	110
115				5.4	5.3	5.3	5.6	5.5	5.3	5.9	5.5	5.3		6.3	5.6	5.3			6.3	5.6	5.2	6	5.5	5.1	115
120				5.2	5.1	5.1	5.4	5.3	5.2	5.6	5.4	5.3		6.2	5.6	5.3			6.2	5.5	5.2	5.9	5.4	5.1	120
125				5	4.9	5	5.1	5.1	5.1	5.4	5.2	5.2		6.1	5.5	5.3			6	5.5	5.2	5.7	5.3	5.1	125
130				4.8	4.7	4.8	4.9	4.9	5	5.2	5.1	5.1		5.9	5.4	5.3			5.7	5.4	5.2	5.6	5.2	5.1	130
135				4.6	4.6		4.7	4.7	4.8	5	4.9	4.9		5.7	5.4	5.3			5.3	5.3	5.2	5.2	5.2	5.1	135
140				4.4	4.4		4.5	4.6	4.7	4.8	4.8	4.8		5.5	5.3	5.3			5.2	5.2	5.2	4.8	5	5	140
145				4.3	4.3		4.3	4.4		4.7	4.6	4.7		5.1	5.2	5.3			4.9	4.9	5.2	4.3	4.9	4.9	145
150				4.2			4.2	4.2		4.5	4.5	4.6		4.7	5.1	5.2			4.7	4.8	4.9	3.9	4.5	4.8	150
155							4	4.1		4.3	4.3			4.5	4.7	4.9			4.3	4.6	4.7	3.5	4.1	4.6	155
160							3.9			4.2	4.2			4.3	4.4	4.5			3.9	4.4	4.5	3.2	3.7	4.1	160
165										4	4.1			4	4.3				3.5	4	4.2	2.8	3.4	3.7	165
170										3.9	4			3.6	3.9				3.2	3.6	3.7	2.5	3	3.3	170
175														3.3	3.5				2.8	3.2		2.1	2.6	2.8	175
180														3	3.1				2.5	2.8		1.8	2.3	2.4	180
185														2.7					2.2	2.4		1.5	1.9		185
190																			1.9	2.1			1.6		190
195																			1.7						195

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Lifting heights Hauteurs de levage

TK



US2536.03

Lifting capacities

Forces de levage

TNZK



	36 ft 34 ft			83 ft 34 ft			95 ft 34 ft			107 ft 34 ft			119 ft 34 ft			130 ft 34 ft			142 ft 34 ft			154 ft 34 ft			164 ft 34 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	25																											12
13	25																											13
14	25																											14
15	25	22.3																										15
16	25	22.3		25																								16
17	25	22.3		25																								17
18	25	22.3		25																								18
19	25	22		25			25																					19
20	25	21.7		25			25																					20
22	25	20.9		25			25		25																			22
24	24.6	20.2	16.5	25			25		25																			24
26	23.6	19.5	16.4	25			25		25			23.7																26
28	22.3	18.9	16	25	22.2		25		25			23.8			20.4													28
30	21.3	18.3	15.6	25	22		25		25			23.7			20.4													30
32	20.3	17.8	15.3	25	21.5		25	21.6	25			23.7			20.4			17										32
34	19.3	17.2	15.1	25	21.1		25	21.2	25	20.8		23.6			20.3			17										34
36	18.3	16.7	14.8	25	20.6	16.3	25	20.8	25	20.5		23.4			20.3			17			12.4							36
38	17.4	16.2	14.6	25	20.2	16.1	25	20.4	25	20.1		23.1	19.5		20.2			16.9			12.5			10.7				38
40	16.6	15.7	14.3	25	19.8	15.9	25	20	16	24.8	19.8		22.8	19.2		20.1		16.9			12.5			10.7				40
45	14.8	14.3	13.7	24.5	18.8	15.5	24.6	19.1	15.5	23.8	19	15.4	22.1	18.5	15.2	19.7	17.6	16.8	16.1		12.6			10.7				45
50	13.2	13.1	12.8	22.7	18	15.1	23.4	18.3	15.2	22.8	18.2	15.1	21.4	17.9	14.9	19.3	17.1	14.5	16.4	15.5	13.9	12.6	12.1		10.7	10.7		50
55	11.9	12.2	12.2	21	17.3	14.7	22	17.6	14.8	21.8	17.6	14.7	20.7	17.3	14.6	18.7	16.6	14.3	15.7	14.7	13.7	12.2	11.6	11	10.7	10.3		55
60	10.8	11.4	11.8	19.5	16.5	14.4	20.7	16.9	14.5	20.8	17	14.5	20	16.8	14.3	17.8	16.2	14	15	14	13.2	11.8	11.1	10.6	10.3	10	9.7	60
65				18.1	15.8	14.1	19.4	16.3	14.3	19.7	16.4	14.2	19.2	16.3	14.1	17	15.7	13.9	14.2	13.3	12.6	11.3	10.6	10.2	10	9.7	9.3	65
70				16.8	15	13.7	18.2	15.7	14	18.4	15.9	14	17.3	15.8	13.9	16.1	15.3	13.7	13.5	12.7	12.1	10.8	10.2	9.8	9.6	9.3	9	70
75				15.7	14.2	13.3	17	15	13.7	16.7	15.3	13.8	15.5	15.4	13.7	15.1	14.6	13.5	12.7	12	11.6	10.3	9.8	9.5	9.3	9	8.7	75
80				14.6	13.5	12.9	15.9	14.3	13.3	15.1	14.7	13.6	14	14.6	13.5	13.7	13.8	13.2	12.1	11.4	11.1	9.9	9.4	9.2	8.9	8.7	8.5	80
85				13.7	12.9	12.5	14.6	13.7	12.9	13.7	14	13.2	13.1	13.5	13.3	12.3	13	12.8	11.4	10.9	10.6	9.5	9.1	8.9	8.5	8.3	8.2	85
90				12.8	12.4	12.2	13.4	13.1	12.6	12.5	13.2	12.8	12.2	12.2	12.7	11.1	11.9	12.3	10.9	10.4	10.2	9.1	8.8	8.6	8.2	8	8	90
95				12.1	11.9	11.9	12.2	12.4	12.3	11.4	12	12.4	11.1	11.4	11.6	10.1	10.8	11.4	10	10	9.8	8.7	8.5	8.3	7.9	7.7	7.7	95
100				11.4	11.6		11	11.5	11.6	10.4	10.9	11.3	10.1	10.7	10.8	9.6	9.8	10.3	9.1	9.6	9.5	8.4	8.2	8.1	7.6	7.5	7.4	100
105				10.7	11		10	10.4	10.5	9.4	9.9	10.2	9.2	9.8	10.1	9.1	9	9.3	8.2	8.9	9.1	8.1	7.9	7.8	7.3	7.2	7.2	105
110				9.9			9.1	9.4		8.6	8.9	9.1	8.4	8.9	9.2	8.3	8.7	8.6	7.7	8	8.4	7.7	7.6	7.6	7.1	7	6.9	110
115							8.4	8.5		7.8	8.1	8.3	7.7	8.1	8.3	7.6	8	8.3	7.4	7.3	7.6	7	7.4	7.3	6.7	6.7	6.7	115
120							7.6	7.7		7	7.3		6.9	7.3	7.5	6.9	7.4	7.6	7.1	7	7	6.4	6.8	7.1	6.1	6.4	6.5	120
125										6.3	6.6		6.3	6.6	6.7	6.5	6.7	6.9	6.6	6.8	6.8	5.8	6.2	6.5	5.5	6	6.2	125
130										5.7	5.8		6	6		6.2	6.3	6.4	6	6.3	6.5	5.2	5.6	5.9	5	5.4	5.7	130
135													5.8	5.8		5.8	6	6.1	5.5	5.8	6	4.7	5	5.3	4.5	4.9	5.2	135
140													5.6	5.7		5.3	5.5		4.9	5.2	5.4	4.2	4.6	4.8	4	4.4	4.6	140
145													5.4			4.8	5		4.4	4.7	4.8	3.7	4.1	4.2	3.6	3.9	4.1	145
150																4.3	4.5		3.9	4.2		3.3	3.6	3.7	3.1	3.5	3.7	150
155																3.9			3.5	3.7		2.8	3.1	3.2	2.7	3	3.2	155
160																			3.1	3.2		2.4	2.7		2.3	2.6	2.7	160
165																			2.7	2.8		2	2.2		2	2.2		165
170																						1.7	1.8		1.6	1.8		170
175																						1.4	1.5			1.4		175

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Lifting capacities

Forces de levage

TNZK

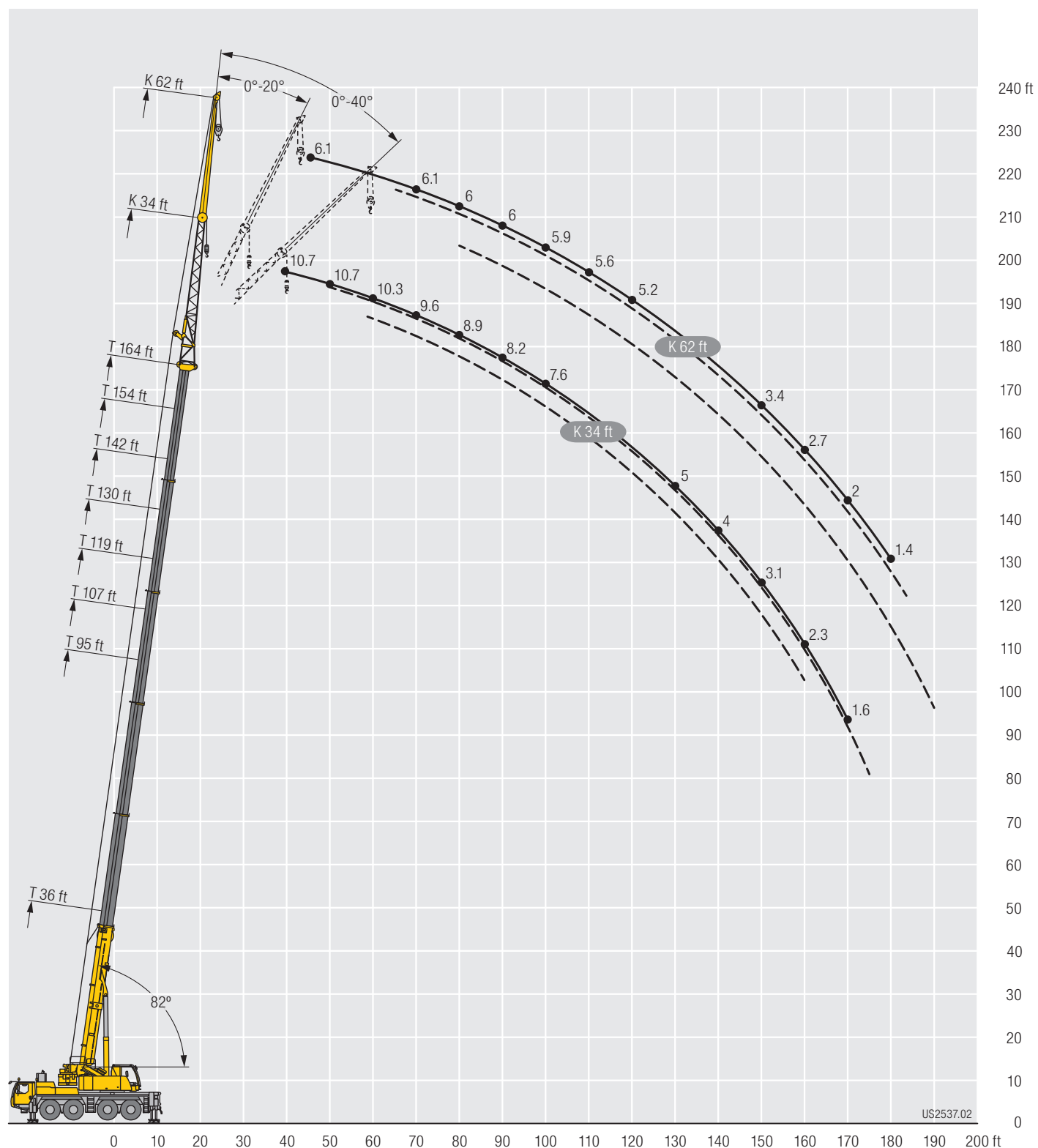


	36 ft 62 ft			95 ft 62 ft			107 ft 62 ft			119 ft 62 ft			130 ft 62 ft			142 ft 62 ft			154 ft 62 ft			164 ft 62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	9																								12
13	9																								13
14	9																								14
15	9																								15
16	9																								16
17	9																								17
18	9																								18
19	9																								19
20	9																								20
22	8.9																								22
24	8.7																								24
26	8.5			9																					26
28	8.4	7.3		9																					28
30	8.3	7.3		9			8.5																		30
32	8.1	7.3		9			8.5			8.2															32
34	8	7.3		9			8.5			8.3															34
36	7.9	7.2		9			8.5			8.3			8.3												36
38	7.7	7.1		8.9			8.4			8.3			8.3			7.8									38
40	7.6	7		8.8			8.4			8.3			8.3			7.8			6.8						40
45	7.3	6.7	5.9	8.6	7.3		8.2			8.1			8.2			7.8			6.8			6.1			45
50	6.9	6.4	5.9	8.3	7.2		8	7.1		7.9	7.1		8.1			7.7			6.8			6.1			50
55	6.6	6.1	5.7	8.1	7.1		7.8	6.9		7.8	7		7.9	7		7.6	6.9		6.8			6.1			55
60	6.1	5.9	5.6	7.9	6.9	5.9	7.7	6.8		7.6	6.8		7.7	6.9		7.5	6.8		6.8			6.1			60
65	5.6	5.7	5.5	7.7	6.7	5.9	7.5	6.6	5.8	7.5	6.6		7.6	6.8		7.4	6.7		6.7	6.3		6.1	5.8		65
70	5.3	5.5	5.4	7.5	6.5	5.8	7.3	6.4	5.7	7.3	6.5	5.6	7.4	6.6	5.6	7.2	6.5		6.7	6.2		6.1	5.8		70
75	4.9	5.1	5.3	7.3	6.3	5.7	7.2	6.3	5.6	7.2	6.4	5.6	7.3	6.5	5.6	7.1	6.4	5.6	6.6	6.1	5.4	6.1	5.8		75
80	4.6	4.8	5	7.1	6.2	5.6	7	6.2	5.6	7	6.2	5.6	7.1	6.3	5.6	7	6.3	5.6	6.5	6	5.4	6	5.8	5.2	80
85	4.3	4.5	4.7	6.9	6.1	5.5	6.8	6.1	5.5	6.9	6.1	5.5	7	6.2	5.5	6.9	6.2	5.5	6.4	5.9	5.3	6	5.7	5.2	85
90	4.1	4.2		6.6	6	5.5	6.6	5.9	5.4	6.8	6	5.4	6.9	6.1	5.5	6.8	6	5.4	6.4	5.8	5.3	6	5.6	5.2	90
95				6.4	5.8	5.4	6.4	5.8	5.4	6.6	5.9	5.4	6.7	6	5.4	6.6	5.9	5.4	6.3	5.7	5.3	5.9	5.5	5.1	95
100				6.1	5.7	5.4	6.1	5.7	5.4	6.4	5.8	5.3	6.6	5.9	5.4	6.6	5.8	5.3	6.2	5.6	5.2	5.9	5.5	5.1	100
105				5.8	5.6	5.4	5.9	5.6	5.3	6.1	5.7	5.3	6.5	5.8	5.3	6.4	5.7	5.3	6.1	5.6	5.2	5.8	5.4	5.1	105
110				5.5	5.4	5.3	5.6	5.4	5.3	5.9	5.6	5.3	6.4	5.7	5.3	6.3	5.6	5.3	6	5.5	5.1	5.6	5.3	5.1	110
115				5.3	5.2	5.2	5.4	5.2	5.2	5.7	5.4	5.2	6.2	5.6	5.3	6.2	5.6	5.2	5.9	5.4	5.1	5.4	5.2	5	115
120				5.1	5	5	5.1	5.1	5.1	5.5	5.2	5.2	6.1	5.5	5.3	6.1	5.5	5.2	5.7	5.3	5.1	5.2	5	5	120
125				4.8	4.8	4.9	4.9	4.9	4.9	5.2	5.1	5	6	5.5	5.3	6	5.4	5.2	5.5	5.2	5.1	5	4.9	4.9	125
130				4.6	4.6	4.7	4.7	4.7	4.8	5	4.9	4.9	5.8	5.4	5.3	5.4	5.4	5.2	5.4	5.1	5	4.9	4.8	4.8	130
135				4.4	4.5		4.5	4.5	4.6	4.8	4.8	4.8	5.6	5.4	5.3	5.1	5.3	5.2	5	5	4.9	4.6	4.6	4.7	135
140				4.3	4.3		4.3	4.3	4.4	4.6	4.6	4.7	5.2	5.3	5.3	4.9	5.1	5.2	4.5	4.9	4.9	4.3	4.5	4.6	140
145				4.1	4.2		4.1	4.1		4.5	4.5	4.6	4.8	5.2	5.3	4.7	4.7	5.1	4.1	4.7	4.8	3.8	4.4	4.4	145
150				4.1			3.9	4		4.3	4.3	4.4	4.4	4.9	5.2	4.4	4.6	4.6	3.7	4.3	4.6	3.4	4.1	4.3	150
155							3.8	3.9		4.1	4.2		4.3	4.4	4.7	4	4.4	4.5	3.3	3.9	4.3	3	3.7	4.2	155
160							3.7			4	4		4	4.2	4.3	3.6	4.1	4.3	2.9	3.5	3.9	2.7	3.3	3.7	160
165										3.9	3.9		3.7	4		3.2	3.7	4	2.6	3.1	3.4	2.4	2.9	3.3	165
170										3.8	3.9		3.4	3.7		2.9	3.3	3.5	2.2	2.7	3	2	2.6	2.9	170
175													3	3.3		2.5	2.9		1.9	2.4	2.6	1.7	2.2	2.5	175
180													2.7	2.9		2.2	2.5		1.6	2	2.2	1.4	1.9	2.2	180
185													2.5			1.9	2.2			1.7			1.6	1.8	185
190																1.7	1.8							1.4	190
195																1.4									195

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Lifting heights Hauteurs de levage

TNZK



Lifting capacities

Forces de levage

TVK



	36 ft + 23 ft			130 ft + 23 ft			142 ft + 23 ft			154 ft + 23 ft			164 ft + 23 ft			
	34 ft			34 ft			34 ft			34 ft			34 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	9.2															12
13	9.2															13
14	9.2															14
15	9.2															15
16	9.2															16
17	9.2															17
18	9.2															18
19	9.2	8.7														19
20	9.2	8.7														20
22	9.2	8.7														22
24	9.1	8.7														24
26	9.1	8.7														26
28	9	8.7	8.3													28
30	8.7	8.7	8.3													30
32	8.4	8.5	8.3	9.2												32
34	8.1	8.4	8.3	9.2			8.5									34
36	7.8	8.1	8.2	9.2			8.5									36
38	7.5	7.8	8	9.2			8.5			8						38
40	7.3	7.5	7.8	9.2			8.5			8.1			7			40
45	6.7	6.9	7.2	9.2	8.7		8.5			8.1			7.1			45
50	6.2	6.4	6.6	9.2	8.7		8.5	8.5		8.1	8		7.1			50
55	5.7	5.9	6.1	9.1	8.7	8.3	8.5	8.5	8.2	8.1	8		7.1	7		55
60	5.3	5.4	5.6	9.1	8.6	8.2	8.5	8.4	8	8	8	7.5	7.1	7		60
65	4.9	5.1	5.2	8.9	8.4	8.1	8.5	8.2	7.8	8	7.8	7.5	7.1	7	6.8	65
70	4.5	4.7	4.8	8.5	8.1	7.8	8.3	8	7.7	7.9	7.6	7.4	7	7	6.8	70
75	4.2	4.3	4.5	8.1	7.7	7.5	8	7.7	7.4	7.8	7.5	7.2	6.9	6.8	6.7	75
80	3.9	4	4.1	7.7	7.4	7.2	7.7	7.4	7.2	7.6	7.2	7	6.8	6.6	6.5	80
85	3.7	3.7		7.4	7.1	6.9	7.4	7.1	6.9	7.3	7	6.8	6.6	6.4	6.3	85
90				7.1	6.8	6.7	7.1	6.8	6.7	7	6.8	6.6	6.4	6.2	6.1	90
95				6.8	6.5	6.4	6.9	6.6	6.4	6.8	6.5	6.4	6.2	6	5.9	95
100				6.5	6.3	6.2	6.6	6.3	6.2	6.6	6.3	6.2	6	5.8	5.8	100
105				6.3	6.1	6	6.3	6.1	6	6.3	6.1	6	5.8	5.6	5.6	105
110				6	5.8	5.8	6.1	5.9	5.8	6.1	5.9	5.8	5.6	5.5	5.4	110
115				5.8	5.6	5.6	5.9	5.7	5.6	5.9	5.7	5.7	5.4	5.3	5.2	115
120				5.6	5.4	5.4	5.7	5.5	5.5	5.7	5.6	5.5	5.2	5.1	5.1	120
125				5.3	5.2	5.2	5.5	5.3	5.3	5.5	5.4	5.3	5	5	5	125
130				5.1	5.1	5.1	5.3	5.2	5.2	5.2	5.2	5.2	4.8	4.8	4.8	130
135				4.9	4.9	4.9	5.1	5	5	4.7	5.1	5	4.5	4.7	4.7	135
140				4.8	4.7	4.8	4.9	4.9	4.9	4.3	4.7	4.9	4	4.4	4.5	140
145				4.6	4.6	4.6	4.6	4.7	4.7	3.8	4.2	4.4	3.6	4	4.2	145
150				4.4	4.4	4.4	4.2	4.4	4.5	3.4	3.7	4	3.2	3.6	3.8	150
155				4.1	4.3		3.7	4	4.2	3	3.3	3.5	2.8	3.1	3.4	155
160				3.8	4		3.3	3.6	3.7	2.7	2.9	3.1	2.4	2.8	3	160
165				3.4	3.6		3	3.2		2.3	2.6	2.7	2.1	2.4	2.6	165
170				3.1	3.2		2.6	2.8		1.9	2.2	2.3	1.8	2.1	2.2	170
175				2.8	2.8		2.2	2.4		1.6	1.8		1.4	1.7	1.9	175
180				2.5			1.9	2.1			1.5			1.4	1.5	180
185							1.7	1.7								185
190							1.4									190

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Lifting capacities

Forces de levage

TVK

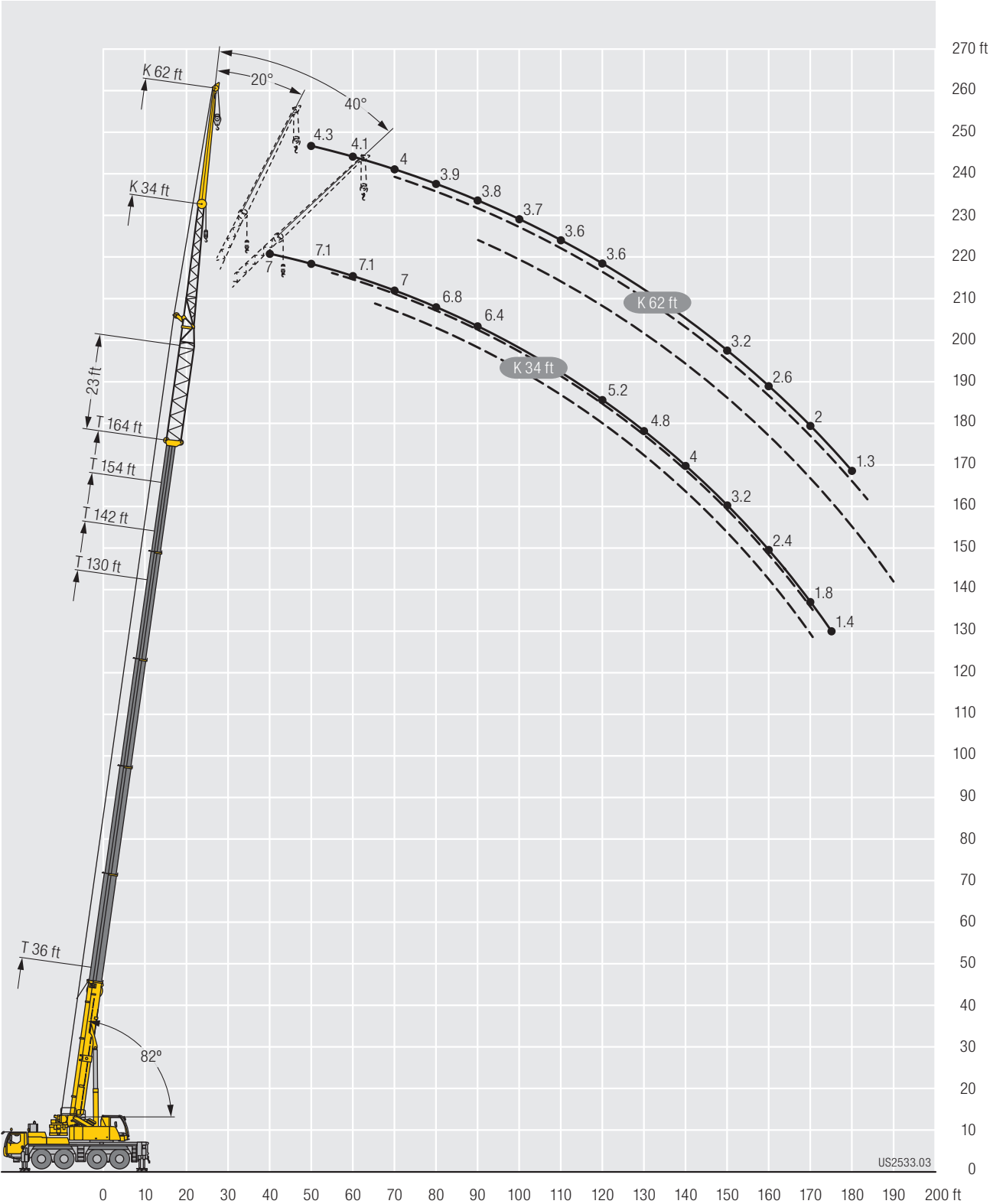


	36 ft + 23 ft			130 ft + 23 ft			142 ft + 23 ft			154 ft + 23 ft			164 ft + 23 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
15	5.8															15
16	5.8															16
17	5.8															17
18	5.8															18
19	5.8															19
20	5.8															20
22	5.8															22
24	5.8															24
26	5.8															26
28	5.8															28
30	5.8															30
32	5.8															32
34	5.8	5.3														34
36	5.7	5.3														36
38	5.7	5.3		5.8			5.3									38
40	5.6	5.3		5.8			5.3			5						40
45	5.3	5.3		5.8			5.3			5.1						45
50	5.1	5.1	4.6	5.8			5.3			5.2			4.3			50
55	4.8	4.8	4.6	5.8			5.3			5.2			4.2			55
60	4.6	4.6	4.6	5.8	5.3		5.3			5.2			4.1			60
65	4.3	4.4	4.5	5.8	5.3		5.3	5.1		5.2			4			65
70	4.1	4.2	4.3	5.7	5.3		5.3	5.1		5.2	4.9		4	4.2		70
75	3.8	4	4.1	5.7	5.2		5.3	5.1		5.1	4.8		3.9	4.2		75
80	3.6	3.8	3.9	5.5	5.1	4.6	5.3	5	4.4	5.1	4.8		3.9	4.1		80
85	3.4	3.6	3.7	5.4	5	4.6	5.2	4.9	4.4	5	4.7	4.4	3.8	4		85
90	3.2	3.4	3.5	5.2	4.8	4.6	5.1	4.7	4.4	4.9	4.6	4.4	3.8	4	4.2	90
95	3	3.2	3.3	5.1	4.7	4.5	4.9	4.6	4.4	4.8	4.5	4.3	3.7	4	4.1	95
100	2.8	3	3.1	4.9	4.6	4.4	4.8	4.5	4.3	4.7	4.4	4.2	3.7	3.9	4	100
105	2.7	2.8	2.9	4.8	4.5	4.3	4.7	4.4	4.2	4.6	4.3	4.1	3.6	3.9	4	105
110	2.5	2.6		4.6	4.3	4.2	4.6	4.3	4.1	4.5	4.2	4.1	3.6	3.8	3.9	110
115				4.5	4.2	4.1	4.5	4.2	4.1	4.4	4.1	4	3.6	3.8	3.8	115
120				4.4	4.1	4	4.3	4.1	4	4.3	4	3.9	3.6	3.8	3.8	120
125				4.2	4	3.9	4.2	4	3.9	4.2	3.9	3.9	3.6	3.7	3.7	125
130				4.1	3.9	3.9	4.1	3.9	3.8	4.1	3.8	3.8	3.5	3.7	3.6	130
135				3.9	3.8	3.8	4	3.8	3.8	4	3.8	3.7	3.5	3.6	3.6	135
140				3.8	3.7	3.7	3.9	3.7	3.7	3.9	3.7	3.6	3.5	3.5	3.5	140
145				3.6	3.6	3.6	3.7	3.6	3.6	3.8	3.6	3.6	3.4	3.4	3.4	145
150				3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.6	3.5	3.2	3.3	3.3	150
155				3.4	3.4	3.4	3.5	3.4	3.5	3.2	3.5	3.5	2.9	3.2	3.2	155
160				3.3	3.3	3.3	3.4	3.3	3.4	2.8	3.4	3.4	2.6	3.1	3.1	160
165				3.2	3.2	3.2	3.2	3.2	3.3	2.5	3.1	3.3	2.3	2.9	3.1	165
170				3.1	3.1	3.1	2.9	3.1	3.2	2.2	2.8	3.1	2	2.5	2.9	170
175				3	3	3	2.6	3	3.1	1.9	2.4	2.8	1.6	2.2	2.6	175
180				2.7	2.9	2.9	2.3	2.7	2.9	1.6	2.1	2.4	1.3	1.9	2.2	180
185				2.5	2.8		2	2.4	2.6	1.3	1.8	2.1		1.6	1.9	185
190				2.2	2.4		1.7	2.1	2.2		1.5	1.7			1.6	190
195				1.9	2.1		1.5	1.8				1.4				195
200				1.7	1.8			1.5								200
205				1.5												205

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Lifting heights Hauteurs de levage

TVK



Lifting capacities
Forces de levage

TVNZK

36 – 164 ft 23 ft 34 ft 360° 46300 lbs 85%																
	36 ft + 23 ft			130 ft + 23 ft			142 ft + 23 ft			154 ft + 23 ft			164 ft + 23 ft			
	34 ft			34 ft			34 ft			34 ft			34 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	9.2															12
13	9.2															13
14	9.2															14
15	9.2															15
16	9.2															16
17	9.2															17
18	9.2															18
19	9.2	8.7														19
20	9.2	8.7														20
22	9.2	8.7														22
24	9.1	8.7														24
26	8.9	8.7														26
28	8.8	8.7	8.3													28
30	8.5	8.6	8.3	9.2												30
32	8.2	8.4	8.3	9.2												32
34	7.9	8.2	8.2	9.2			8.5									34
36	7.6	7.9	8.1	9.2			8.5									36
38	7.3	7.6	7.9	9.2			8.5			7.9						38
40	7	7.4	7.6	9.2			8.5			8			6.9			40
45	6.4	6.7	7	9.2	8.7		8.5			8			7			45
50	5.9	6.2	6.4	9.2	8.7		8.5	8.3		7.9	7.8		7			50
55	5.5	5.7	5.9	9	8.7	8.3	8.5	8.2	7.8	7.9	7.8		7	7		55
60	5	5.2	5.4	8.9	8.5	8.1	8.4	8.2	7.8	7.9	7.7	7.6	6.9	7		60
65	4.6	4.9	5	8.6	8.2	7.9	8.3	8	7.7	7.8	7.6	7.4	6.9	7	6.8	65
70	4.3	4.5	4.6	8.2	7.9	7.6	8.2	7.8	7.5	7.7	7.5	7.3	6.8	6.8	6.7	70
75	3.9	4.1	4.2	7.8	7.5	7.4	7.8	7.5	7.3	7.6	7.3	7.1	6.7	6.7	6.6	75
80	3.7	3.8	3.8	7.5	7.2	7.1	7.5	7.2	7	7.4	7.1	6.9	6.6	6.5	6.4	80
85	3.4	3.5		7.1	6.9	6.8	7.2	6.9	6.8	7.1	6.8	6.7	6.4	6.3	6.1	85
90				6.8	6.6	6.5	6.9	6.7	6.5	6.8	6.6	6.5	6.2	6	5.9	90
95				6.5	6.4	6.3	6.6	6.4	6.3	6.6	6.3	6.2	6	5.8	5.8	95
100				6.3	6.1	6	6.3	6.1	6.1	6.3	6.1	6	5.8	5.6	5.6	100
105				6	5.9	5.8	6.1	5.9	5.9	6.1	5.9	5.8	5.6	5.5	5.4	105
110				5.8	5.6	5.6	5.9	5.7	5.7	5.9	5.7	5.7	5.4	5.3	5.2	110
115				5.5	5.4	5.4	5.7	5.5	5.5	5.7	5.5	5.5	5.2	5.1	5.1	115
120				5.3	5.2	5.2	5.5	5.3	5.3	5.5	5.4	5.3	5	5	4.9	120
125				5.1	5	5	5.2	5.2	5.1	5.3	5.2	5.2	4.8	4.8	4.8	125
130				4.9	4.9	4.9	5.1	5	5	4.9	5	5	4.6	4.6	4.7	130
135				4.7	4.7	4.7	4.9	4.8	4.8	4.4	4.8	4.9	4.2	4.5	4.5	135
140				4.5	4.5	4.6	4.6	4.7	4.7	3.9	4.3	4.6	3.7	4.1	4.3	140
145				4.3	4.4	4.4	4.2	4.4	4.5	3.5	3.9	4.1	3.3	3.7	4	145
150				4.2	4.2	4.2	3.9	4.1	4.2	3.1	3.4	3.7	2.9	3.2	3.5	150
155				3.9	4		3.4	3.7	3.9	2.7	3	3.2	2.5	2.8	3	155
160				3.5	3.7		3	3.3	3.4	2.3	2.6	2.8	2.1	2.4	2.6	160
165				3.1	3.3		2.6	2.9		2	2.3	2.4	1.8	2.1	2.3	165
170				2.7	2.9		2.3	2.5		1.6	1.9	2	1.4	1.7	1.9	170
175				2.4	2.5		1.9	2.1			1.5			1.4	1.5	175
180				2.1			1.6	1.8								180
185							1.3	1.4								185

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Lifting capacities

Forces de levage

TVNZK

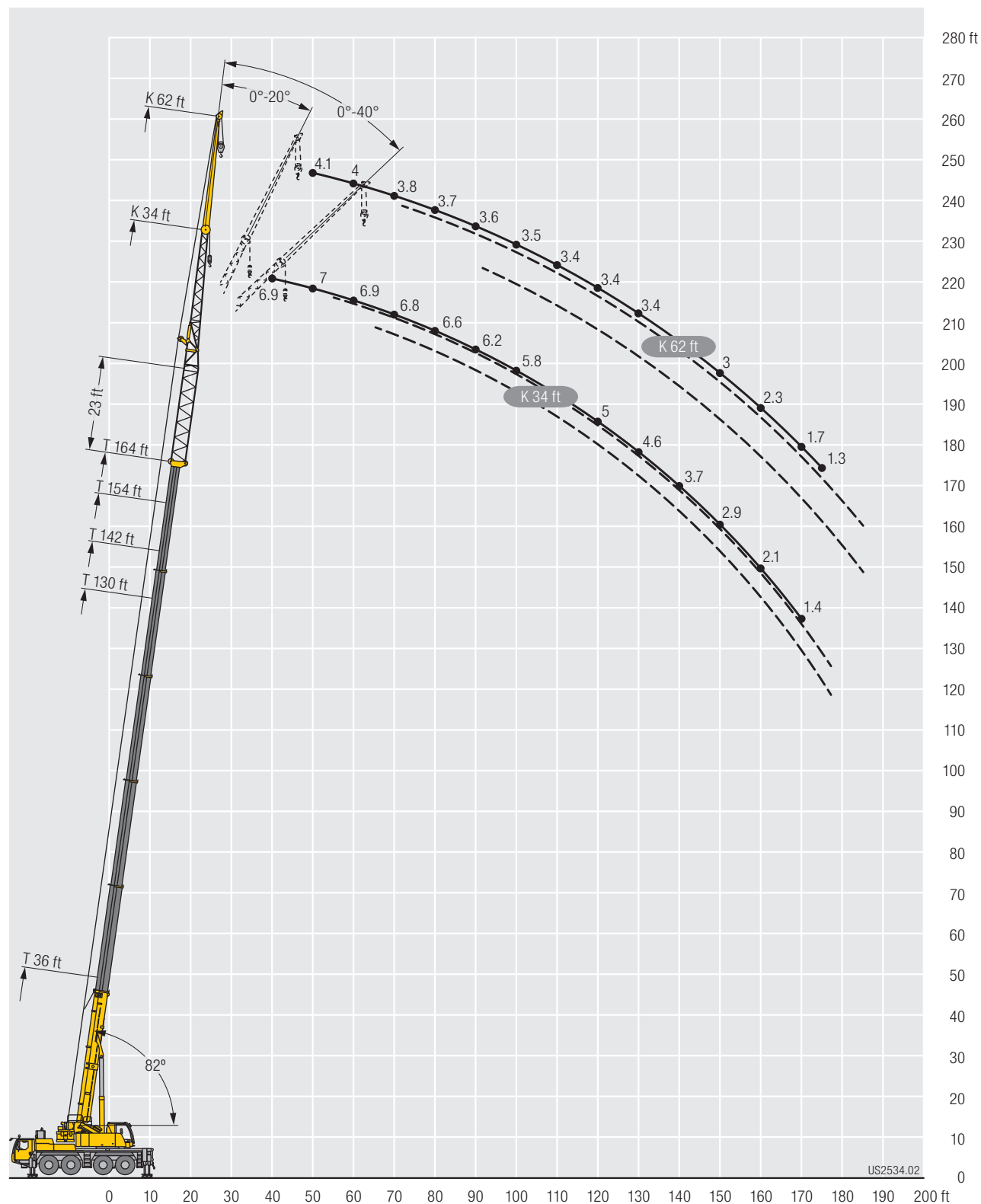


	36 ft + 23 ft			130 ft + 23 ft			142 ft + 23 ft			154 ft + 23 ft			164 ft + 23 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
15	5.8															15
16	5.8															16
17	5.8															17
18	5.8															18
19	5.8															19
20	5.8															20
22	5.8															22
24	5.8															24
26	5.8															26
28	5.8															28
30	5.8															30
32	5.8															32
34	5.7															34
36	5.7	5.3														36
38	5.6	5.3		5.8			5.3									38
40	5.5	5.3		5.8			5.3									40
45	5.3	5.3		5.8			5.3			5.1						45
50	5	5	4.6	5.8			5.3			5.1			4.1			50
55	4.7	4.8	4.6	5.8			5.3			5.1			4			55
60	4.5	4.5	4.6	5.8	5.3		5.3			5.1			4			60
65	4.2	4.3	4.4	5.7	5.3		5.3	5.1		5.1			3.9			65
70	4	4.1	4.2	5.7	5.3		5.3	5.1		5	4.9		3.8	3.9		70
75	3.7	3.9	4	5.6	5.2		5.3	5		5	4.8		3.8	3.9		75
80	3.5	3.7	3.8	5.4	5	4.6	5.2	4.9	4.4	4.9	4.7		3.7	3.9		80
85	3.2	3.5	3.7	5.3	4.9	4.6	5.1	4.8	4.4	4.9	4.6	4.4	3.7	3.9		85
90	3	3.2	3.4	5.1	4.7	4.5	5	4.6	4.4	4.8	4.5	4.3	3.6	3.9	3.9	90
95	2.9	3	3.2	4.9	4.6	4.4	4.9	4.5	4.3	4.7	4.4	4.2	3.6	3.8	3.9	95
100	2.7	2.8	3	4.8	4.5	4.3	4.7	4.4	4.2	4.6	4.3	4.2	3.5	3.8	3.9	100
105	2.5	2.7	2.8	4.7	4.4	4.2	4.6	4.3	4.1	4.5	4.2	4.1	3.5	3.7	3.8	105
110	2.4	2.5		4.5	4.2	4.1	4.5	4.2	4.1	4.4	4.1	4	3.4	3.7	3.8	110
115				4.4	4.1	4	4.4	4.1	4	4.3	4	3.9	3.4	3.7	3.8	115
120				4.2	4	3.9	4.2	4	3.9	4.2	3.9	3.8	3.4	3.6	3.7	120
125				4.1	3.9	3.9	4.1	3.9	3.8	4.1	3.8	3.8	3.4	3.6	3.6	125
130				3.9	3.8	3.8	4	3.8	3.7	4	3.7	3.7	3.4	3.5	3.6	130
135				3.8	3.7	3.7	3.9	3.7	3.7	3.9	3.7	3.6	3.4	3.4	3.5	135
140				3.7	3.6	3.6	3.7	3.6	3.6	3.7	3.6	3.6	3.4	3.4	3.4	140
145				3.5	3.5	3.5	3.6	3.5	3.5	3.6	3.5	3.5	3.3	3.3	3.3	145
150				3.4	3.3	3.4	3.5	3.4	3.4	3.3	3.4	3.5	3	3.2	3.2	150
155				3.3	3.2	3.3	3.4	3.3	3.3	2.9	3.3	3.4	2.7	3.1	3.1	155
160				3.1	3.1	3.1	3.2	3.2	3.2	2.6	3.2	3.3	2.3	3	3	160
165				3	3	3.1	2.9	3.1	3.1	2.2	2.8	3.1	2	2.6	2.9	165
170				2.9	2.9	3	2.7	3	3.1	1.9	2.5	2.9	1.7	2.3	2.7	170
175				2.8	2.8	2.9	2.3	2.7	2.9	1.6	2.2	2.5	1.3	2	2.3	175
180				2.5	2.7	2.8	2	2.5	2.7		1.8	2.1		1.6	2	180
185				2.2	2.5		1.7	2.1	2.4		1.5	1.8			1.7	185
190				1.9	2.2		1.5	1.8	2			1.5				190
195				1.7	1.9			1.5								195
200				1.4	1.6											200

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Lifting heights Hauteurs de levage

TVNZK



Lifting capacities

Forces de levage

TK

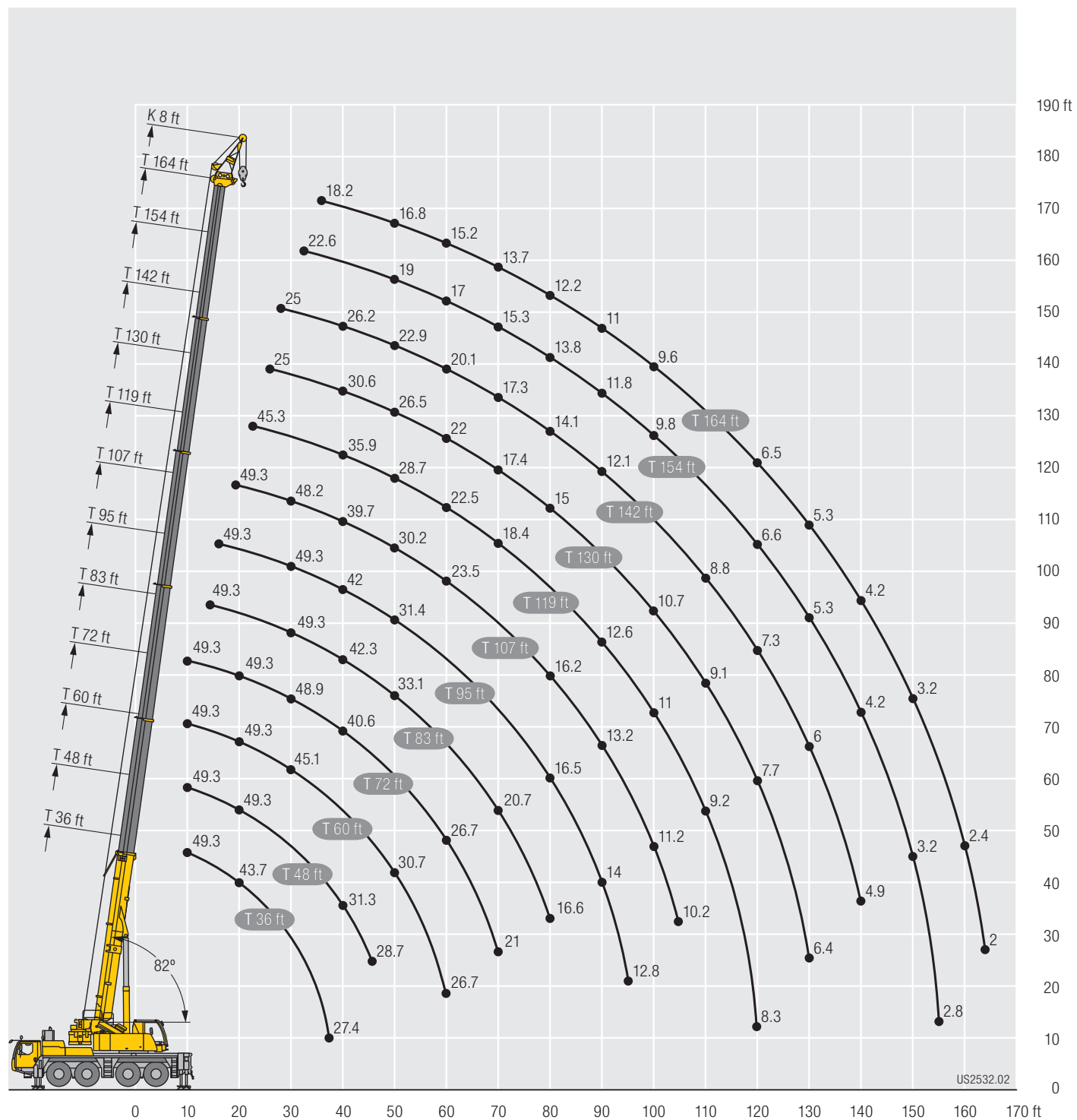


	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	119 ft	130 ft	142 ft	154 ft	164 ft	
	8 ft												
10	49.3	49.3	49.3	49.3									10
11	49.3	49.3	49.3	49.3									11
12	49.3	49.3	49.3	49.3									12
13	49.3	49.3	49.3	49.3									13
14	49.3	49.3	49.3	49.3	49.3								14
15	49.3	49.3	49.3	49.3	49.3								15
16	49.3	49.3	49.3	49.3	49.3	49.3							16
17	48.5	49.3	49.3	49.3	49.3	49.3							17
18	47	49.3	49.3	49.3	49.3	49.3							18
19	45.4	49.3	49.3	49.3	49.3	49.3	49.3						19
20	43.7	49.3	49.3	49.3	49.3	49.3	49.3						20
22	40.6	48.7	49.3	49.3	49.3	49.3	49.3	45.3					22
24	38.1	46.2	49.3	49.3	49.3	49.3	49.3	45.1	25				24
26	35.7	43.6	49.1	49.3	49.3	49.3	49.3	44.7	36				26
28	33.8	41	47.3	49.3	49.3	49.3	49.3	43.8	35.7	25			28
30	32	39	45.1	48.9	49.3	49.3	48.2	42.7	35.2	28.9			30
32	30.5	37.1	43.1	47.7	49.2	49.3	46.5	41.4	34.4	28.4	22.6		32
34	29.1	35.4	41	45.5	48.7	48.3	44.8	40.1	33.5	27.9	22.2	18.2	34
36	28	33.9	39.3	43.8	47.1	46.8	43.1	38.7	32.6	27.4	21.9	18.2	36
38	27.4	32.5	37.8	42.2	44.9	44.5	41.4	37.3	31.6	26.8	21.5	18.2	38
40		31.3	36.3	40.6	42.3	42	39.7	35.9	30.6	26.2	21.1	18.1	40
45		28.7	33.2	36.9	37.9	36	34.1	32.8	28.4	24.5	20.1	17.6	45
50			30.7	33.1	33.1	31.4	30.2	28.7	26.5	22.9	19	16.8	50
55			28.6	30.5	29.1	27.5	26.6	25.1	24.5	21.4	18	16	55
60			26.7	26.7	26	24.6	23.5	22.5	22	20.1	17	15.2	60
65				23.6	23.2	22	21	20.6	19.5	18.8	16.1	14.4	65
70				21	20.7	19.7	19.4	18.4	17.4	17.3	15.3	13.7	70
75					18.5	18	17.8	16.6	16.2	15.6	14.5	12.9	75
80					16.6	16.5	16.2	15	15	14.1	13.8	12.2	80
85						15.2	14.6	13.6	13.7	12.8	12.9	11.6	85
90						14	13.2	12.6	12.4	12.1	11.8	11	90
95						12.8	12.2	11.9	11.3	11.4	10.7	10.4	95
100							11.2	11	10.7	10.6	9.8	9.6	100
105							10.2	9.9	9.9	9.6	8.9	8.7	105
110								9.2	9.1	8.8	8.1	7.9	110
115								8.8	8.4	8	7.3	7.2	115
120								8.3	7.7	7.3	6.6	6.5	120
125									7	6.6	6	5.9	125
130									6.4	6	5.3	5.3	130
135										5.4	4.7	4.7	135
140										4.9	4.2	4.2	140
145											3.7	3.7	145
150											3.2	3.2	150
155											2.8	2.8	155
160												2.4	160
165												2	165

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Lifting heights Hauteurs de levage

TK



Equipment Équipement

Crane carrier

Frame	Liebherr designed and manufactured, box-type, torsion resistant design of hightensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 350 kW (476 h.p.), max. torque 1826 lbs-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel reservoir: 106 gallons.
Transmission	ZF 12-speed gear box with automatic control system. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
Axles	Low maintenance carrier axles, all 4 axles steered. Axle 2, 3 and 4 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Suspension	All axles are mounted on hydropneumatic suspension and are lockable hydraulically.
Tyres	8 tyres, size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), intarder in gearbox. Hand brake: Spring brake actuator, acting on the wheels of the 1st, 2nd and 4th axle.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane engine	4-cylinder Diesel, make Liebherr, watercooled, output 129 kW (175 h.p.), max. torque 908 lbs-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel reservoir: 70 gallons.
Crane drive	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Control	Electric "Load Sensing" control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake. Hoist gear is driven through a controlled open oil circuit.
Luffing gear	1 differential ram with safety check valves.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as a standard feature.
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 36 ft to 164 ft.
Counterweight	14800 lbs
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Operating modes

K	Special swing-away jib 8 ft Double swing-away jib 34 ft – 62 ft Adjustment 0°, 20°, 40°
NZK	Hydraulically adjustable swing-away jib 34 ft – 62 ft Hydraulically adjustment 0° – 40° (option).
V	Telescopic boom extension 23 ft

Additional equipment

2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	31500 lbs for a total counterweight of 46300 lbs.
Tyres	8 tyres, size 525/80 R 25 (20.5 R 25).
Drive 8 x 8	Additional drive of the 1st axle.

Other items of equipment available on request.

Equipment Équipement

Châssis porteur

Cadre	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 350 kW (476 ch), couple max. 1826 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG, EPA/CARB, ECE-R.96. Capacité du réservoir à carburant: 106 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande. Ralentisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Essieux nécessitant peu d'entretien, les 4 essieux sont directeurs. Les essieux 2, 3 et 4 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
Suspension	Suspension hydropneumatique sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	8 pneus de taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service : servofrein à air comprimé, tous les essieux sont munis de freins à disque, a 2 circuits. Freins auxiliaire : par clapet sur échappement, frein Telma (option), ralentisseur monte sur boîte de vitesse. Frein de secours et frein à main : ressort accumulé agissant sur les roues des essieux 1, 2 et 4.
Cabine	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Partie tournante

Cadre	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
Moteur	Moteur diesel Liebherr, 4 cylindres, à refroidissement par eau, de 129 kW (175 ch), couple max. 908 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG, EPA/CARB, ECE-R.96. Capacité du réservoir à carburant: 70 gallons.
Entraînement	Diesel hydraulique avec 2 pompes à débit variable à piston axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Commande	Direction électrique «Load Sensing», 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.

Mécanisme de levage	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort. L'entraînement du treuil de levage s'effectue en circuit régulé et fermé.
Mécanisme de relevage	1 vérin différentiel avec soupapes de retenu.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort. Orientation de série commutable en circuit hydraulique ouvert ou fermé (freinage automatique ou au pied).
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: 36 ft – 164 ft.
Contrepoids	14800 lbs
Installation électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Modes de fonctionnement

K	Fléchette pliante spéciale 8 ft Double fléchette pliante 34 ft – 62 ft Positionnement à 0°, 20°, 40°
NZK	Fléchette pliante à positionnement hydraulique 34 ft – 62 ft Positionnement hydraulique à 0° – 40° (en option).
V	Rallonge flèche télescopique 23 ft

Équipement supplémentaire

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.
Contrepoids additionnel	31500 lbs pour un contrepoids total de 46300 lbs.
Pneumatiques	8 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 8 x 8	Essieu 1 est entraîné additionnellement.

Autres équipements supplémentaires sur demande.

Description of symbols Explication des symboles

General symbols/Symboles généraux

	Outriggers Calage		Driving speed Vitesse de translation
	Outriggers – free on tyres Calage – libre sur pneus		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

Crane specific symbols/Symboles spécifiques à la grue

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

Remarks referring to load charts

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 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 centre.
6. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
7. Lifting capacities above 139000 lbs/176300 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 30 ft/s (9 m/s, 20 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 déployée.
7. Forces de levage plus de 139000 lbs/176300 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.

Subject to modification / Sous réserve de modifications

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