

Mobile Crane/Grue mobile

# LTM 1130-5.1



	<b>155 USt</b>
	<b>197 ft</b>
	<b>240 ft</b>
	<b>299 ft</b>

# LIEBHERR

Courtesy of Crane.Market

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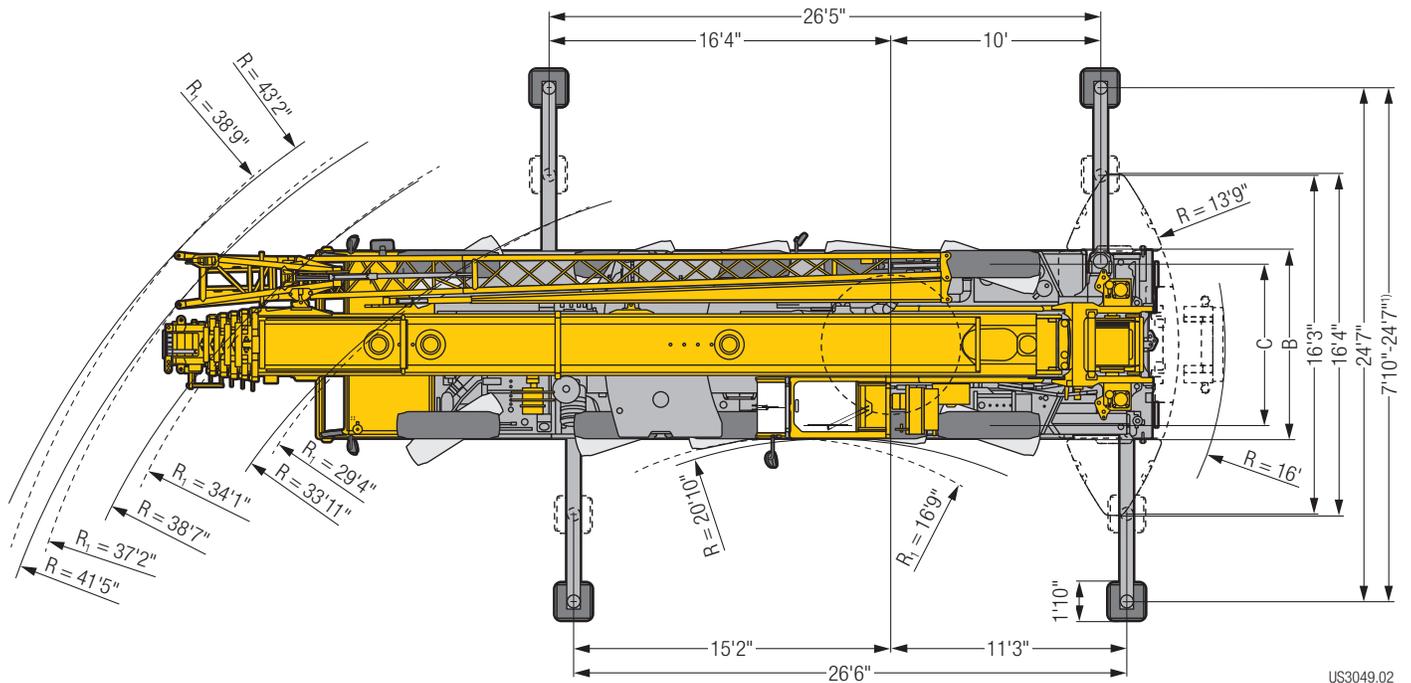
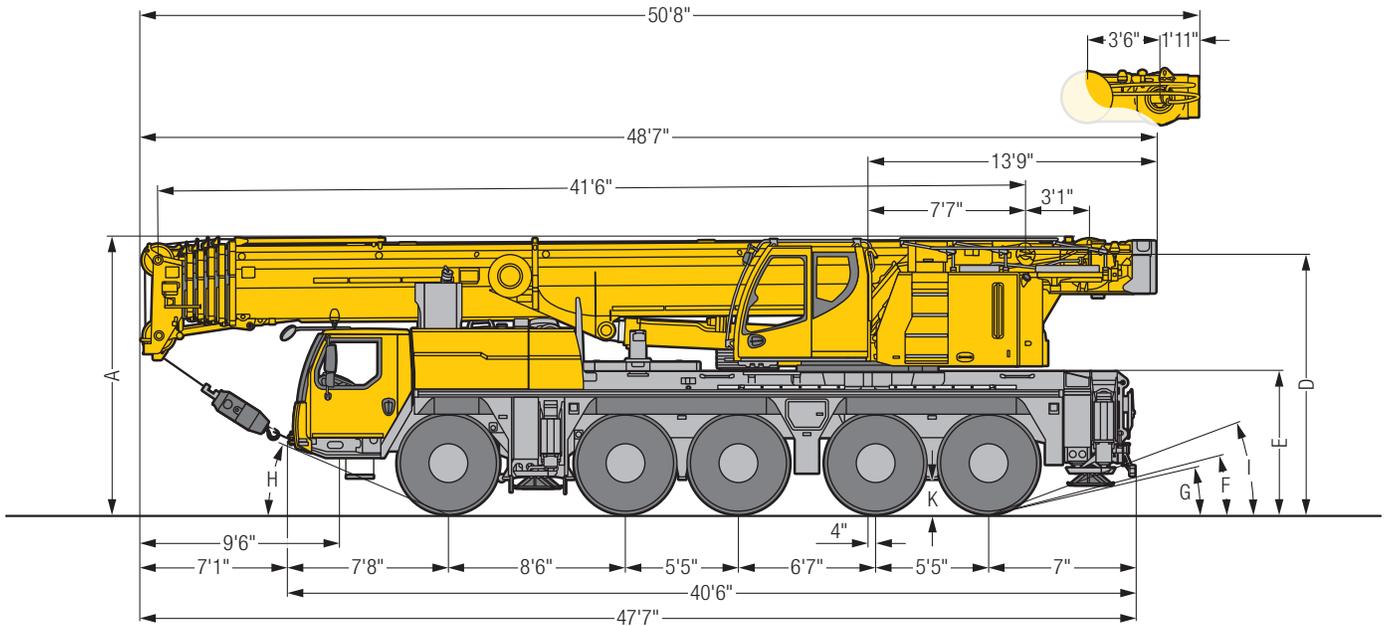
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# Dimensions Encombrement



US3049.02

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

<sup>1)</sup> only with VarioBase® · seulement avec VarioBase®

## Dimensions/Encombrement

	A	A 4" *	B	C	D	E	F	G	H	I	K
445/95 R 25 (16.00 R 25)	13'1"	12'10"	9'	7'7"	12'4"	6'9"	14°	13°	24°	20°	1'5"
525/80 R 25 (20.5 R 25)	13'1"	12'10"	9'6"	7'9"	12'4"	6'9"	14°	13°	24°	20°	1'5"

\* lowered · abaissé

# Mobile Crane/Grue mobile

## LTM 1130-5.1



197 ft



35 ft – 62 ft



2 x 23 ft



9.5 ft



92,600 lbs

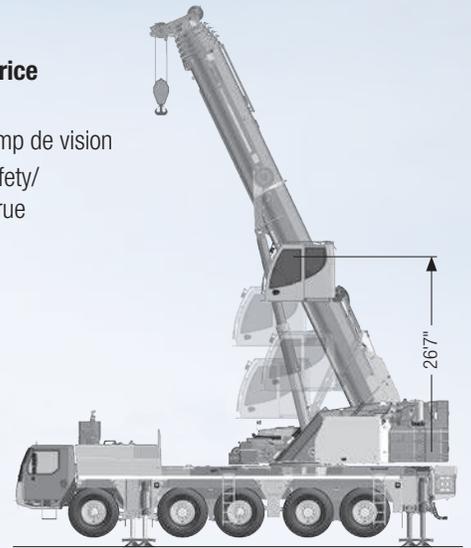
€COmode





**Lift cab/  
Cabine élévatrice**

- Better view/  
Meilleur champ de vision
- Increased safety/  
Sécurité accrue



Option

# Weights Poids



## Hook block/Moufles à crochet

Load lbs Forces de levage lbs	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
242,500	7	14	2,730
198,850	5	11	1,980
130,300	3	7	1,540
57,550	1	3	990
19,400	–	1	550

# Working speeds Vitesses

## Crane carrier/Châssis porteur

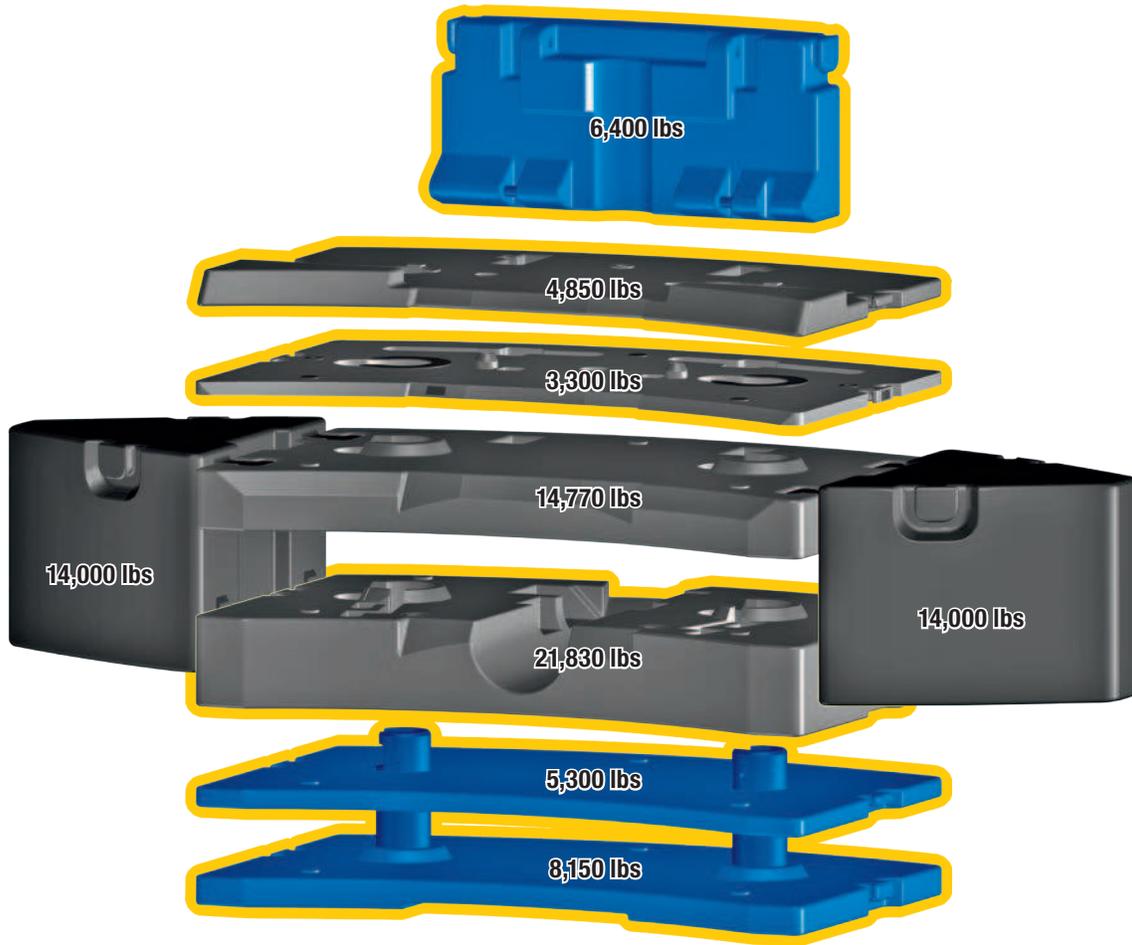
	(mph) min.	(mph) max.	%
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	55,7 %

	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 – 360 ft/min single line	0.83" / 820 ft	19,785 lbs
	0 – 360 ft/min single line	0.83" / 820 ft	19,785 lbs
	0 – 1.5 rpm		
	approx. 65 seconds to reach 82° boom angle env. 65 s jusqu'à 82°		
	approx. 390 seconds for boom extension from 42 ft – 197 ft env. 390 s pour passer de 42 ft – 197 ft		

# Counterweight Contrepoids

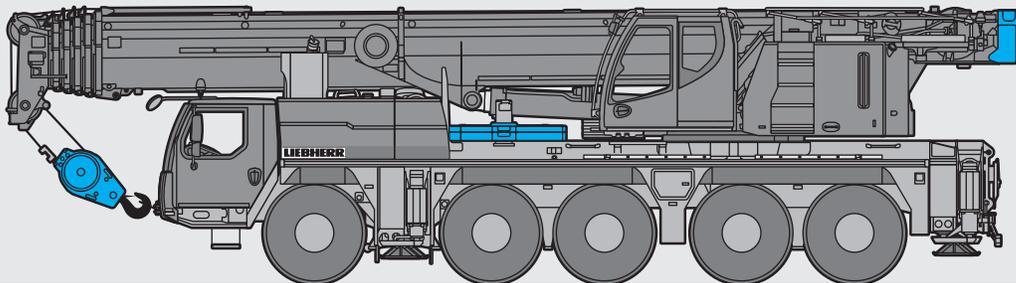


Technically transportable · Transport techniquement simplifié

## Axle/Essieu

Axle Essieu	1	2	3	4	5	Total weight lbs Poids total lbs
lbs	26,400	26,400	26,400	26,400	26,400	132,000 <sup>1)</sup>

<sup>1)</sup> with 19,800 lbs counterweight - avec contrepoids 19,800 lbs



S3066

# 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 – 18

**TK/TNZK**  
19 – 25 / 34 – 40

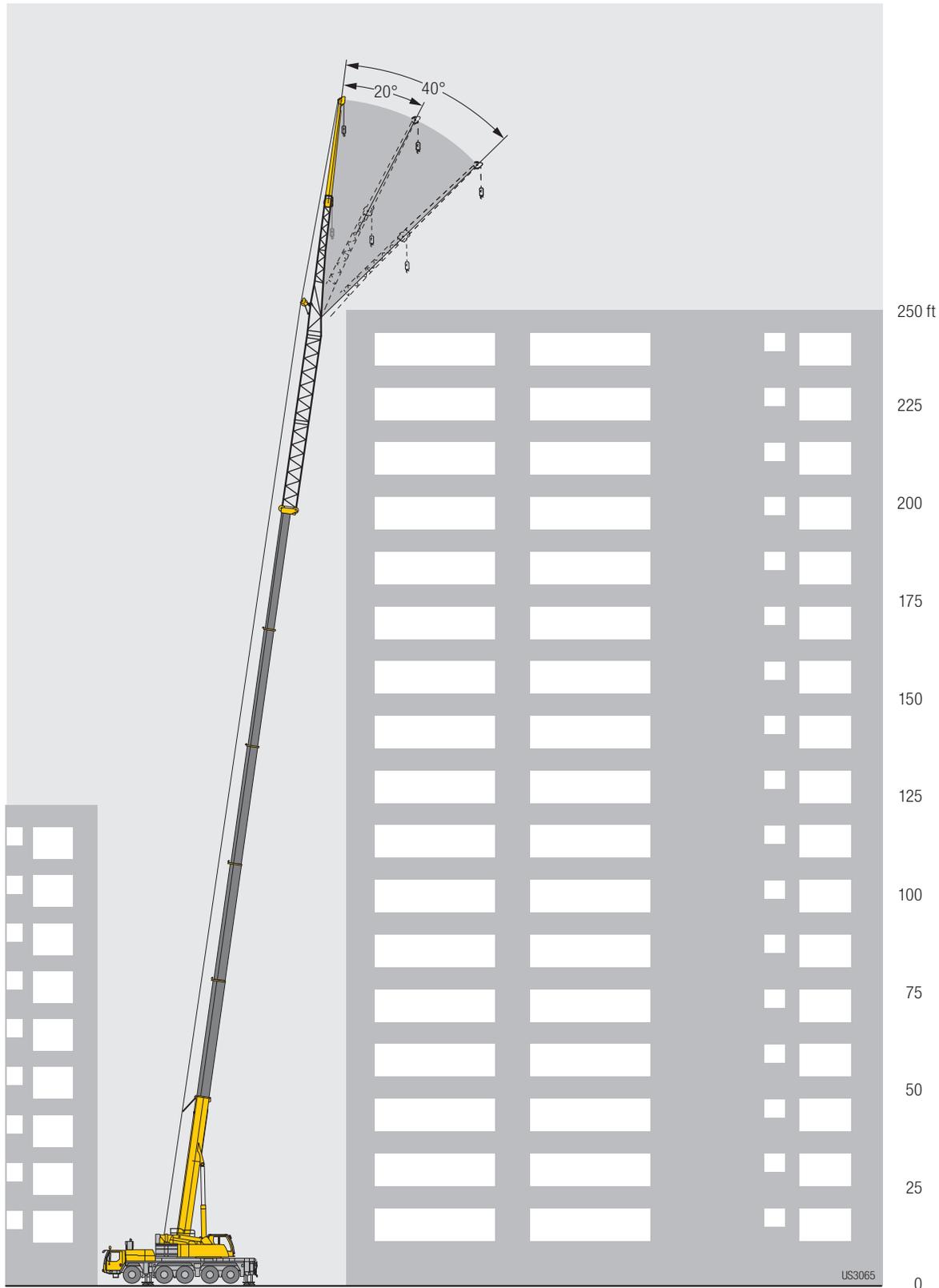
**TVK/TVNZK**  
26 – 33 / 41 – 48

**TK**  
49 – 51



S3064

# Hydraulic swing away jib Flèche pliante hydraulique



# Lifting capacities Forces de levage

T



85%

	* 42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft		
10	315.3	182.2	182.2	182.2	165.1										10	
11	233.2	182.2	182.2	182.2	164										11	
12	199.2	182.2	182.2	180.9	162.5										12	
13	190.6	182.2	181.5	176.1	161	130.4									13	
14	182.7	181.4	174.6	168.4	159	130.4									14	
15	175.5	175.4	167.5	161.4	156.2	130.4									15	
16	169	169	161.1	154.9	150.1	130.4	106.4								16	
17	162.8	162.8	155	148.9	145.3	130.1	105.5								17	
18	157	157	149.4	145.4	140.9	129.6	104.6								18	
19	151.6	151.6	145.3	140.2	135.8	127.9	103.7	76.2							19	
20	146.5	146.5	140.6	135.5	131.1	125.9	102.6	76.2							20	
22	136.9	136.9	132	126.8	122.5	120.7	100.4	76.2	56.3						22	
24	127.8	127.8	124.3	119.3	115	113.6	98.1	76.2	57.6						24	
26	119	119	117.4	112.7	108.6	107	95.8	75.5	57.6	48.1					26	
28	110.1	110.1	111	106.7	102.7	101.1	93.6	74.2	57.6	47.6					28	
30	100.8	100.8	105.3	101.4	97.7	95.9	91.4	72.8	57.6	47.1	35.1	38.7			30	
32	89.3	89.3	99.8	96.5	93.5	91.2	88.1	71	57.3	46.5	35.1	38.7	31.1		32	
34	65.7	65.7	93.9	92	89.4	87	84	68.7	56.5	46	34.9	38.7	31	31.5	34	
36			88.2	87.9	85.3	83	80.3	66.3	55.5	45.4	34.6	38.6	31	31.5	36	
38			82.8	83.3	81.7	79.5	76.6	63.9	54.2	44.8	33.8	38.4	31	31.5	25.5	38
40			78	78.5	78.6	76.2	73.4	61.6	52.6	44.2	33.1	38	30.8	31.4	25.5	40
45			64.8	68	69.5	68.8	65.9	56.7	48.7	42	31.2	36.4	29.8	30.7	25.4	45
50				60.9	60.9	60.2	57.8	52	45.2	39.3	29.3	34.6	28.5	29.6	25.2	50
55				53.9	53.9	53.2	51	47.9	41.7	36.7	27.6	32.7	27	28.3	24.6	55
60				45.8	48	47.3	45.5	43.4	38.7	34.3	25.9	30.8	25.6	26.9	23.7	60
65					43	42.3	40.8	40.9	36	31.9	24.2	29	24.2	25.5	22.5	65
70					38.8	38	36.9	37.4	33.6	29.9	22.6	27.2	22.9	24.3	21.3	70
75					32.5	34.4	34.5	34.1	30.6	28	21.2	25.6	21.6	23.1	20.3	75
80						31.3	32.3	31.2	28.3	26.3	19.9	24.1	20.4	22	19.3	80
85						28.6	29.7	28.6	26.6	24.7	18.7	22.6	19.3	20.9	18.3	85
90						24.3	27.3	26.2	24.7	22.8	17.7	21.4	18.3	19.8	17.4	90
95							25.1	24	23.6	20.8	16.6	20.2	17.4	18.8	16.5	95
100							23.2	22	22.2	19.8	15.6	19.1	16.5	17.8	15.6	100
105							17.3	20.2	20.7	18.8	14.8	17.9	15.7	16.9	14.8	105
110								19	19.1	17.8	14	16.5	14.9	16	14	110
115								18.3	17.6	17	13.1	15.5	14.2	15.2	13.3	115
120									16.3	16.3	12.5	14.8	13.5	14.4	12.6	120
125									15.1	15.2	11.8	14.2	12.8	13.4	11.9	125
130									14.1	14	11.2	13.5	12.2	12.4	11.3	130
135										13	10.6	12.6	11.7	11.5	10.7	135
140										12	10.1	11.6	11.1	10.6	10.1	140
145										10.8	9.7	10.7	10.6	9.6	9.6	145
150											9.3	9.8	10	8.8	8.8	150
155											9	9.1	9.2	8	8	155
160												8.1	8.5	7.3	7.3	160
165													7.8	6.7	6.7	165
170													6.9	6	6	170
175														5.1	5.4	175
180															4.9	180
185															4.4	185

\* over rear - en arrière

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# Lifting capacities Forces de levage

T



85%

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

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# Lifting capacities Forces de levage

T



85%

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

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# Lifting capacities Forces de levage

T



85%

	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.2	130.4										15
16	169	161.1	154.9	150.1	130.4	106.4									16
17	162.8	155	148.9	143.6	129.3	105.5									17
18	155.3	149.4	145.1	136.1	127.2	104.6									18
19	146.7	144	137.8	126.1	119.9	103.7	76.2								19
20	138.9	137.2	127.8	120.1	111.9	100.7	76.2								20
22	124.1	118.9	111.5	106.4	98.8	91.2	76.2	56.3							22
24	110.4	104.3	100.5	94.6	88.2	81.4	74.6	57.6							24
26	97.6	92.5	90.1	85	78.9	73.6	69.8	57.6	48.1						26
28	86.9	84	80.8	76.3	70.9	67.7	64.4	57.3	47.6						28
30	77.9	75.5	72.9	68.9	64.4	63.4	58.7	54.2	47.1	35.1	38.7				30
32	69.6	68.3	66.2	62.9	60	58.1	53.8	50	45.5	35.1	38.7	31.1			32
34	61.8	62.4	60.4	57.6	56.5	53.4	50.1	47.6	44.2	34.9	38.7	31	31.5		34
36		57.1	55.5	52.9	52.6	49.5	46.8	44.9	41.5	34.6	37.8	31	31.5		36
38		52.5	51.2	48.8	48.8	45.8	44.3	41.7	38.6	33.8	36.2	31	31.5	25.5	38
40		48.5	47.4	46.7	45.5	42.8	41.9	38.8	37.3	33.1	35.1	30.8	31.4	25.5	40
45		39.6	40.1	40.1	38.4	37.6	35.6	34.3	32.4	31	30.5	29.6	28.4	25.4	45
50			34.4	34.4	33	32.6	31	29.5	27.9	27.4	26.2	25.8	24.2	23.6	50
55			29.4	30	28.9	28.3	26.9	25.7	24.2	23.9	22.7	22.4	20.9	20.3	55
60			25.2	26.3	25.4	24.9	23.6	22.5	21.2	20.8	19.7	19.6	18	17.6	60
65				23.1	22.4	22	20.8	19.8	18.6	18.3	17.2	17.1	15.6	15.3	65
70				20.3	19.9	19.6	18.4	17.5	16.3	16.1	15.1	15	13.6	13.2	70
75				17.8	17.8	17.5	16.4	15.5	14.4	14.2	13.3	13.1	11.8	11.5	75
80					15.7	15.7	14.6	13.8	12.8	12.6	11.6	11.5	10.2	9.9	80
85					13.9	14.1	13.2	12.3	11.3	11.1	10.2	10.1	8.8	8.6	85
90					12.4	12.6	11.8	11	10	9.9	8.9	8.9	7.6	7.4	90
95						11.2	10.6	9.9	8.8	8.7	7.8	7.8	6.5	6.3	95
100						10	9.4	8.8	7.8	7.7	6.8	6.8	5.5	5.3	100
105						9	8.3	7.9	6.9	6.7	5.9	5.8	4.6	4.4	105
110							7.4	7	6	5.9	5.1	5	3.8	3.6	110
115							6.5	6.1	5.3	5.1	4.3	4.3	3	2.9	115
120								5.3	4.6	4.5	3.6	3.6	2.3		120
125								4.6	3.9	3.8	3	3			125
130								4	3.2	3.2	2.4	2.3			130
135									2.6	2.6					135

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# Lifting capacities Forces de levage

T



	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	156.1	130.4										15
16	169	161.1	154.9	147.9	130.4	106.4									16
17	161.9	155	148.8	141.3	127.9	105.5									17
18	153.8	149.4	143	131.1	123	104.4									18
19	145.2	142.4	132.7	124.4	115.5	103	76.2								19
20	137.3	132.6	123	117	107.7	99	76.2								20
22	122	114.5	109.5	102.5	95.1	87.5	76.2	56.3							22
24	106.4	100.3	97	91.1	84.5	78.5	73.3	57.6							24
26	93.7	89.3	86.4	81.5	75.3	70.9	67.7	57.5	48.1						26
28	82.9	80.4	77.3	72.9	67.7	66.2	61.4	56.8	47.6						28
30	74.1	72	69.6	65.7	62.2	60.5	55.9	51.8	46.5	35.1	38.7				30
32	66.3	65.1	63.1	60	58.6	55.4	51.8	49.2	44.9	35.1	38.7	31.1			32
34	58.8	59.4	57.6	54.9	54.5	50.9	48.2	46.1	42.6	34.9	38.7	31	31.5		34
36		54.3	52.9	50.5	50.1	47.2	45.6	42.6	39.4	34.6	36.6	31	31.5		36
38		49.9	48.7	48.3	46.5	43.6	42.7	39.9	37.7	33.8	35.3	31	31.4	25.5	38
40		46.1	45.1	45.2	43.3	41.3	39.8	38.2	35.8	33.1	34	30.8	31.1	25.5	40
45		37.6	38.2	38.1	36.5	35.9	34.2	32.5	30.7	30.1	28.9	28.3	26.7	25	45
50			32.6	c32.7	31.5	30.9	29.3	28	26.4	25.9	24.7	24.3	22.8	22.1	50
55			27.9	28.4	27.4	26.8	25.4	24.3	22.8	22.5	21.3	21	19.5	19	55
60			23.8	24.9	24	23.5	22.2	21.2	19.9	19.6	18.5	18.3	16.8	16.3	60
65				21.9	21.1	20.7	19.6	18.6	17.4	17.1	16.1	15.9	14.5	14.1	65
70				19.1	18.7	18.4	17.3	16.4	15.2	15	14	13.9	12.5	12.2	70
75				16.7	16.7	16.4	15.3	14.5	13.4	13.2	12.2	12.1	10.8	10.5	75
80					14.7	14.7	13.7	12.8	11.8	11.6	10.7	10.6	9.3	9	80
85					13	13.2	12.2	11.4	10.4	10.2	9.3	9.2	7.9	7.7	85
90					11.5	11.7	10.9	10.1	9.1	9	8.1	8.1	6.7	6.5	90
95						10.4	9.7	9	8	7.9	7	7	5.7	5.5	95
100							9.2	8.6	8	7	6.9	6	6	4.7	100
105							8.2	7.6	7.1	6.1	6	5.1	5.1	3.9	105
110								6.6	6.3	5.3	5.2	4.4	4.3	3.1	110
115								5.8	5.4	4.6	4.5	3.7	3.6	2.2	115
120									4.6	3.9	3.8	3	3		120
125									4	3.2	3.2	2.3	2.3		125
130									3.4	2.6	2.6				130

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# Lifting capacities Forces de levage

T



85%

	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	
10	182.2	182.2	182.2	165.1											10
11	182.2	182.2	182.2	164											11
12	182.2	182.2	180.9	162.5											12
13	182.2	181.5	176.1	161	130.4										13
14	181.4	174.6	168.4	159	130.4										14
15	175.4	167.5	161.4	155.7	130.4										15
16	169	161.1	154.9	143.4	130.4	106.4									16
17	160.6	153.8	144.4	134.6	125.8	105.5									17
18	151.6	144.5	136.1	126.8	116.9	103									18
19	142.9	136.5	125.4	118.5	109.1	98.5	76.2								19
20	134.2	125.4	116.3	110.6	101.7	93.2	76.2								20
22	114.9	108	103.6	96.8	89.4	82.6	75.4	56.3							22
24	100.2	94.3	91.3	85.3	78.8	73.9	69.8	57.6							24
26	87.5	84.5	80.7	76	70.1	68.5	63.1	56.4	48.1						26
28	76.8	74.8	72	67.9	64.8	61.9	57	52.6	47.6						28
30	68.6	66.9	64.8	61.2	60.3	56.3	53	50.2	45.3	35.1	38.7				30
32	61.4	60.4	58.7	55.7	55.2	51.5	49	46.3	42.7	35.1	38.1	31.1			32
34	54.3	55	53.5	52.4	50.7	47.3	46.1	42.7	39.3	34.9	36.5	31	31.5		34
36		50.2	49	49	46.6	44.2	42.6	40.6	38.2	34.6	35.3	31	31.5		36
38		46.1	45.6	45.2	43.2	42	39.6	38	35.8	33.8	33.6	31	30.9	25.5	38
40		42.5	42.2	42	40.1	39.3	37.2	35.3	33.4	32.4	31.3	30.4	28.9	25.5	40
45		34.6	35.3	35.3	34	33.2	31.5	30	28.2	27.7	26.4	26	24.4	23.7	45
50			30	30.1	29.1	28.5	27	25.7	24.1	23.7	22.5	22.2	20.6	20	50
55			25.6	26.1	25.1	24.6	23.3	22.2	20.8	20.5	19.3	19	17.5	17.1	55
60			21.7	22.8	21.9	21.5	20.3	19.3	18	17.7	16.7	16.5	15	14.5	60
65				20	19.3	18.9	17.8	16.8	15.6	15.4	14.4	14.2	12.8	12.5	65
70				17.3	17	16.7	15.6	14.7	13.6	13.4	12.4	12.3	10.9	10.6	70
75				15.1	15.1	14.9	13.8	13	11.9	11.7	10.8	10.7	9.3	9	75
80					13.2	13.2	12.2	11.4	10.4	10.2	9.3	9.2	7.9	7.7	80
85					11.6	11.8	10.8	10.1	9.1	8.9	8	7.9	6.6	6.4	85
90					10.2	10.3	9.6	8.8	7.9	7.8	6.9	6.8	5.5	5.3	90
95						9.1	8.5	7.8	6.8	6.7	5.8	5.8	4.5	4.3	95
100						8	7.5	6.9	5.9	5.8	4.9	4.9	3.6	3.4	100
105						7.1	6.5	6	5.1	4.9	4.1	4.1	2.7	2.5	105
110							5.6	5.2	4.3	4.2	3.3	3.3			110
115							4.8	4.4	3.6	3.5	2.6	2.6			115
120								3.7	3	2.9					120
125								3.1	2.2						125
130								2.5							130

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# Lifting capacities Forces de levage

T



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

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# Lifting capacities Forces de levage

T

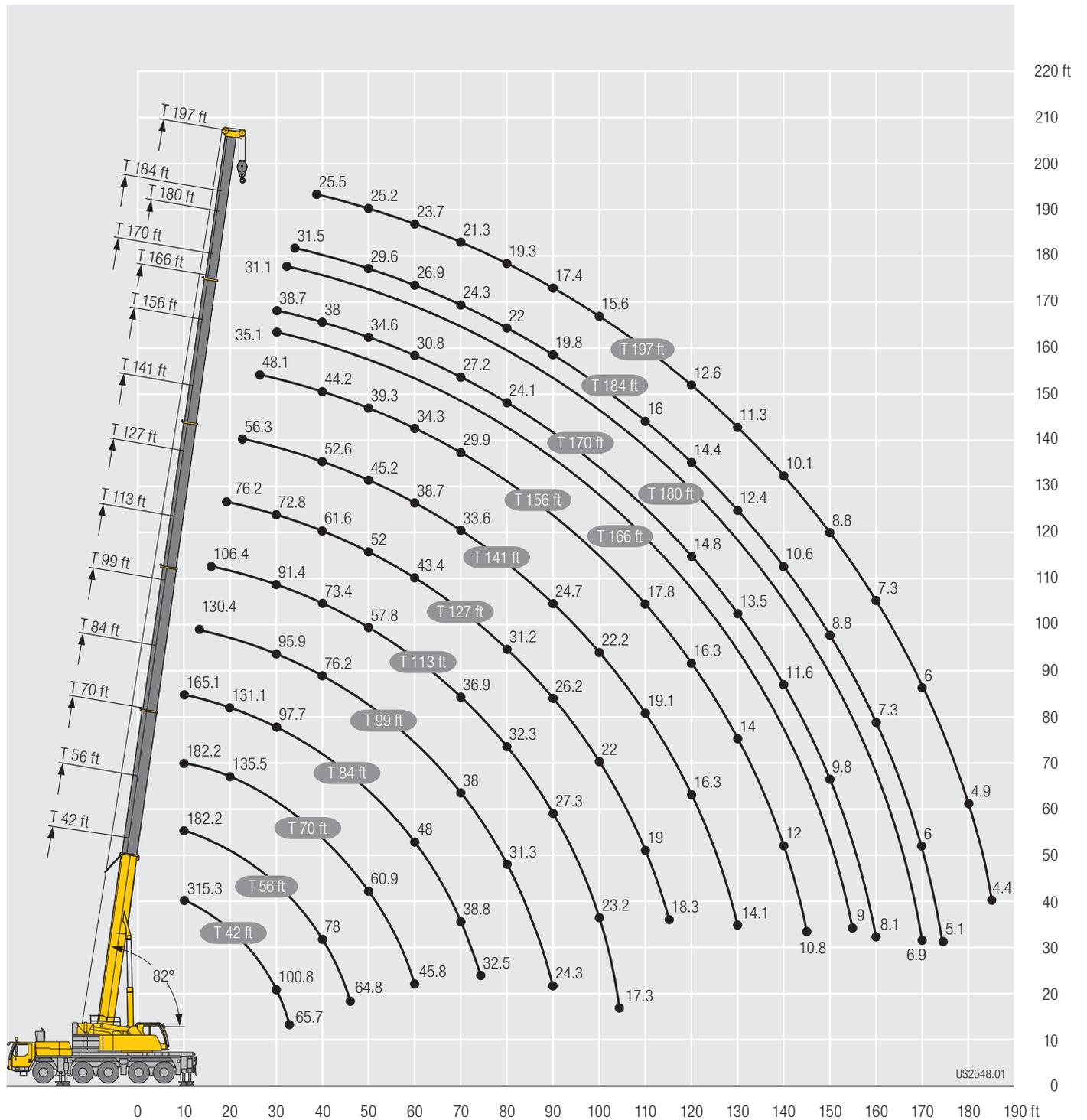


	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	
10	182.2	182.2	180.8	150.4											10
11	182.2	182.2	181.4	149.1											11
12	182.2	182.2	179.5	147.7											12
13	178.1	178.6	170.2	141.1	123.6										13
14	167.2	167.8	149.6	131.7	119.4									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

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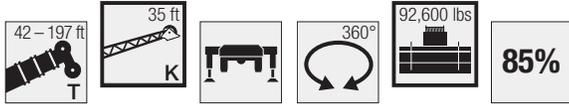
# Lifting heights Hauteurs de levage

T



# Lifting capacities Forces de levage

TK

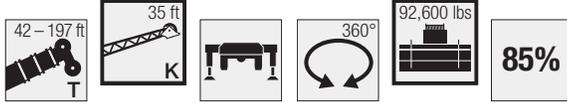


42 ft	99 ft		113 ft			127 ft			141 ft			156 ft			42 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°		40°			
14	38.7																14		
15	38.7			38.7													15		
16	38.7	37.6		38.7													16		
17	38.7	37.5		38.7													17		
18	38.7	37.3		38.7			38.7										18		
19	38.2	36.4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

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# Lifting capacities Forces de levage

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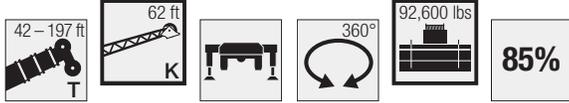


Crane Model	166 ft			170 ft			180 ft			184 ft			197 ft			Crane Model
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	18.4			19.5												32
34	18.4			19.5			16.3									34
36	18.4			19.5			16.3			16.5						36
38	18.4			19.5			16.3			16.5						38
40	18.4			19.5			16.3			16.5			13.9			40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

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# Lifting capacities Forces de levage

TK

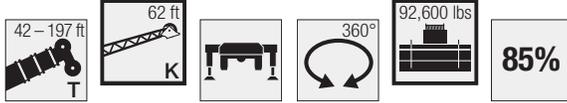


Crane Icon	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			Crane Icon
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	16.7																		17
18	16.6																		18
19	16.4																		19
20	16.3			14.2															20
22	16			14.1															22
24	15.7			14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

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# Lifting capacities Forces de levage

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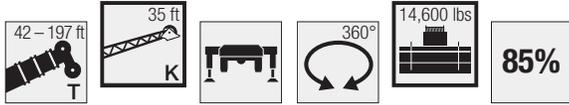


Lift Height (ft)	166 ft			170 ft			180 ft			184 ft			197 ft			Lift Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	10.1			10.9												36
38	10.1			10.8												38
40	10.1			10.8			9.4			9.5						40
45	9.9			10.6			9.3			9.4			8.5			45
50	9.8			10.5			9.3			9.3			8.5			50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

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# Lifting capacities Forces de levage

TK



	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	38.1																		14
15	37.5			38.7															15
16	36.8	34.2		38.7															16
17	36.1	34.1		38.7															17
18	35.5	33.9		38.7			38.6												18
19	34.8	33.1		38.7			38.5												19
20	34.2	32.4		38.7			38.4												20
22	32.9	31.3		38.7			38.2			33.8									22
24	31.7	30.2		38.7			37.9			33.7									24
26	30.3	29.1	23.5	38.7			37.5			33.6			28.9						26
28	29	28	23.1	38.6	30.4		37			33.4			28.8			19.5			28
30	27.7	27	22.5	38	29.6		36.4	29.4		33			28.8			24.1			30
32	26.3	26	21.9	37.2	28.9		35.8	28.8		32.6			28.6			24			32
34	24.9	25.1	21.3	36.4	28.2		35.1	28.2		32.1	27.3		28.3			23.9			34
36	23.6	24.3	20.8	35.7	27.6	22	34.1	27.6		31	26.9		28			23.9			36
38	22.2	23.4	20.3	34.6	27	21.7	32.2	27	21.6	29.9	26.4		26.9	25		23.7			38
40	21	22.3	19.8	32.8	26.4	21.3	30.1	26.5	21.3	27.7	25.9		26	24.7		23.3			40
45	18.6	19.4	18.2	27.5	25.1	20.6	25.2	25.3	20.7	23.3	24.8	20.4	22.5	23.3		21.2	22		45
50	16.7	17.5	16.7	23.4	23.9	19.9	21.3	23.4	20	21.6	21.9	19.9	21.1	21	19.5	19.1	20.3		50
55	15	16.4	15.9	20	21.9	19.2	18.1	20.2	19.4	19.6	18.9	19.3	18.4	18.7	19.2	17	17.7	18.3	55
60	13.6	15.5	15.4	17.2	19	18.7	15.4	17.3	18.7	17	17.9	17.6	15.8	17.5	17.2	14.7	16.5	16.9	60
65	12.5	14.9	6.4	14.9	16.5	17.7	13.2	14.9	16.4	14.8	16.3	15.8	13.7	15.3	15.7	12.6	14.3	15.3	65
70				13	14.3	15.5	11.3	12.8	14.1	12.9	14.3	15.2	11.9	13.3	14.8	10.8	12.4	13.7	70
75				11.2	12.5	13.5	9.6	11	12.2	11.3	12.5	13.8	10.3	11.6	13	9.3	10.7	11.9	75
80				9.7	10.8	11.6	8.2	9.5	10.5	9.9	11	12.2	9	10.2	11.4	8	9.3	10.4	80
85				8.3	9.3	10	6.9	8.1	9	8.6	9.6	10.7	7.7	8.8	10	6.8	8	9	85
90				7.1	7.9	8.5	5.8	6.9	7.7	7.5	8.4	9.4	6.7	7.7	8.7	5.7	6.8	7.8	90
95				6	6.8	7.2	4.9	5.8	6.5	6.5	7.4	8.3	5.7	6.6	7.6	4.8	5.8	6.6	95
100				5	5.7	6.1	4	4.8	5.4	5.6	6.4	7.2	4.8	5.7	6.6	3.9	4.9	5.6	100
105				4.2	4.8	5	3.1	3.9	4.4	4.8	5.5	6.2	4.1	4.8	5.7	3.2	4.1	4.7	105
110				3.4	3.9	4.1	2.2	3	3.4	4	4.7	5.3	3.4	4.1	4.8	2.3	3.3	3.9	110
115				2.8	3.1			2.1	2.5	3.4	4	4.5	2.7	3.4	4.1		2.5	3.1	115
120				2.2	2.4					2.7	3.3	3.7	1.9	2.7	3.3			2.4	120
125										2	2.6	3		2	2.6				125
130											1.9	2.3			1.9				130

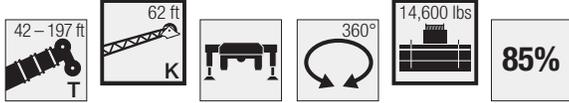
L\_205\_01119\_00\_000 / 01149\_00\_000 / 01179\_00\_000

	166 ft			170 ft			180 ft			184 ft			197 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	16.8			18.5												32
34	16.8			18.5					14.8							34
36	16.8			18.5					14.8			15				36
38	16.8			18.4					14.8			15				38
40	16.8			18.4					14.8			15			12.6	40
45	16.8			18.4					14.8			15			12.6	45
50	16.7	16.3		17.1	18.3			14.8	14.6			15	14.8		12.6	50
55	16.4	15.9		15.6	16.8			14.7	14.6			13.9	14.8		12.4	55
60	14.2	15.3	14.8	13.3	15.2	15.6		12.9	14.3	13.9		11.7	13.7		11.1	60
65	12.3	13.9	14.2	11.3	13.1	14.6		11	12.8	13.8		9.8	11.7	13.3	9.3	65
70	10.5	12	13.4	9.6	11.2	12.6		9.4	11	12.4		8.2	9.9	11.4	7.7	70
75	9	10.5	11.6	8.2	9.7	10.9		7.9	9.4	10.7		6.7	8.3	9.7	6.4	75
80	7.7	9	10.1	6.9	8.2	9.4		6.7	8.1	9.2		5.5	7	8.2	5.1	80
85	6.5	7.7	8.7	5.7	7	8.1		5.5	6.8	7.9		4.4	5.7	6.9	4	85
90	5.5	6.6	7.5	4.7	5.9	6.9		4.5	5.7	6.7		3.3	4.7	5.7	2.9	90
95	4.6	5.6	6.5	3.8	4.9	5.8		3.6	4.7	5.6		2.1	3.7	4.6		95
100	3.7	4.7	5.5	2.8	4	4.8		2.7	3.8	4.7			2.7	3.7		100
105	3	3.9	4.6	1.9	3.1	3.9			3	3.8				2.8		105
110	2	3.1	3.7		2.2	3.1			2.1	3						110
115		2.3	3			2.2				2.1						115
120			2.2													120

L\_205\_01119\_00\_000 / 01149\_00\_000 / 01179\_00\_000

# Lifting capacities Forces de levage

TK



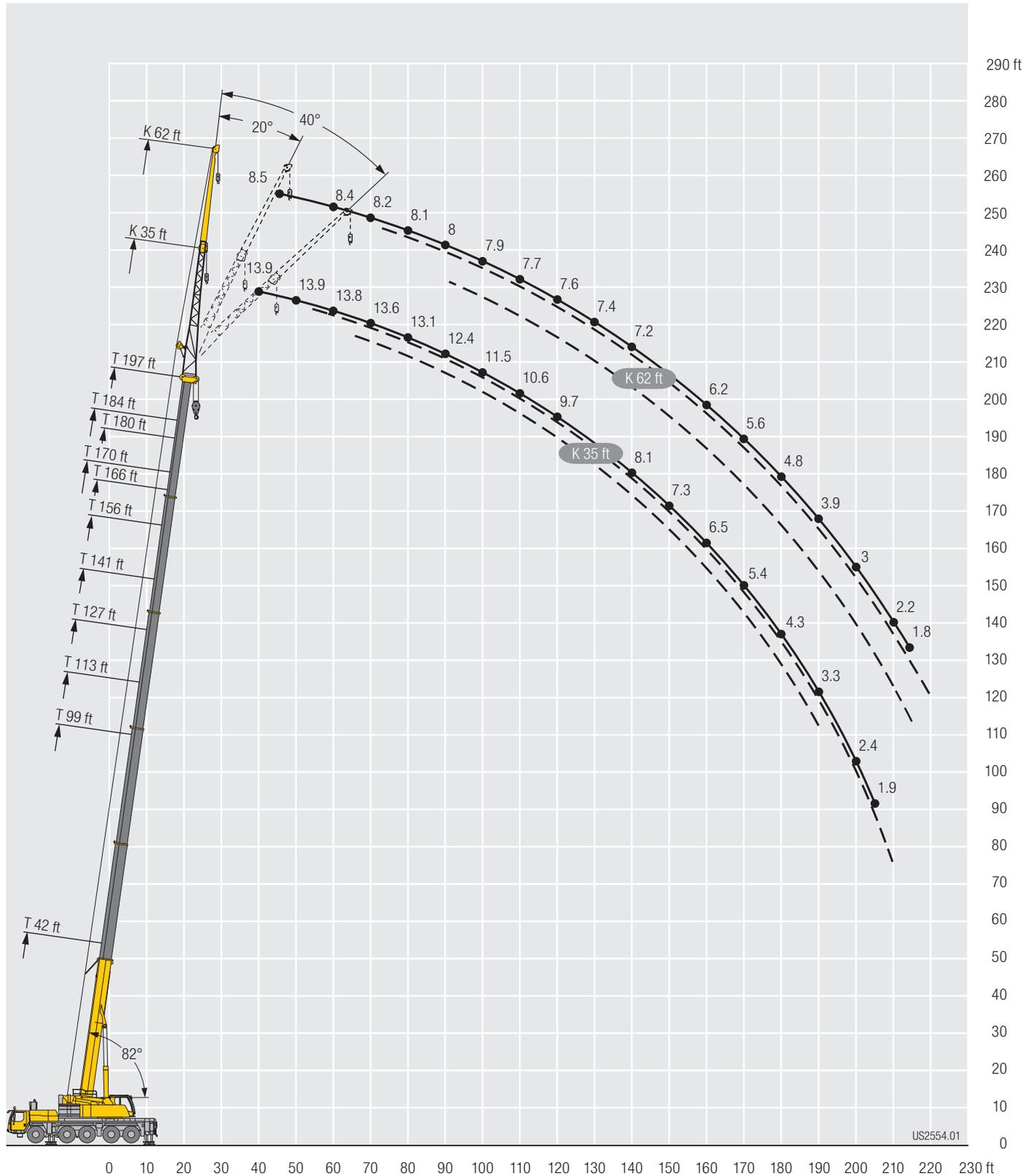
	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	15.2																		17
18	15.1																		18
19	14.9																		19
20	14.8			12.9															20
22	14.5			12.8															22
24	14.2			12.7			12.3												24
26	13.9			12.6			12.2			11.5									26
28	13.6			12.5			12.1			11.4									28
30	13.2	10.6		12.4			12			11.3			10.9						30
32	12.8	10.6		12.2			11.9			11.2			10.8			10.8			32
34	12.5	10.4		12.1			11.8			11.1			10.7			10.7			34
36	12.1	10.1		11.9			11.6			11			10.6			10.6			36
38	11.8	9.9		11.8			11.5			11			10.6			10.5			38
40	11.5	9.7		11.6			11.4			10.9			10.5			10.5			40
45	10.7	9.2		11.2	9.4		11	9.3		10.6			10.3			10.3			45
50	10.1	8.8	7.9	10.9	9.1		10.7	9.1		10.4	8.9		10.1			10.2			50
55	9.4	8.5	7.7	10.5	8.8		10.4	8.8		10.1	8.7		9.9	8.7		9.9	8.8		55
60	9	8.2	7.5	10.1	8.6	7.6	10.1	8.6		9.8	8.5		9.6	8.5		9.7	8.6		60
65	8.5	8	7.4	9.8	8.4	7.5	9.8	8.4	7.5	9.6	8.4	7.4	9.4	8.3		9.5	8.4		65
70	7.9	7.7	7.3	9.5	8.2	7.4	9.5	8.3	7.4	9.3	8.2	7.4	9.2	8.2	7.3	9.1	8.3		70
75	7.3	7.5	7.2	9.1	8	7.3	9.3	8.1	7.3	9.1	8.1	7.3	9	8	7.3	8.7	8.1	7.3	75
80	6.8	7.4	7.1	8.9	7.9	7.2	9	7.9	7.2	8.9	7.9	7.2	8.9	7.9	7.2	8.2	8	7.2	80
85	6.3	7.3	7.1	8.7	7.8	7.2	8.8	7.8	7.2	8.7	7.8	7.2	8.3	7.8	7.2	7.3	7.9	7.2	85
90	5.9	7.2	7.1	8.4	7.6	7.1	8.6	7.7	7.1	8.2	7.7	7.1	7.4	7.7	7.1	6.2	7.6	7.1	90
95	5.6	7.2		8.1	7.5	7.1	8.2	7.6	7.1	7.3	7.6	7.1	6.4	7.5	7.1	5.3	7.1	7.1	95
100				7.7	7.4	7	7.4	7.5	7	6.4	7.4	7	5.6	7.2	7	4.5	6.2	7	100
105				6.9	7.3	7	6.5	7.4	7	5.6	7	7	4.8	6.3	7	3.7	5.3	6.7	105
110				6.1	7.1	7	5.7	6.8	7	4.9	6.2	6.9	4.1	5.5	6.6	3	4.6	5.9	110
115				5.3	6.3	6.9	5	6	6.8	4.3	5.4	6.4	3.5	4.8	5.8	2.3	3.8	5	115
120				4.7	5.5	6	4.4	5.3	6	3.7	4.8	5.6	2.9	4.1	5.1		3.2	4.3	120
125				4.1	4.8	5.3	3.8	4.6	5.2	3.1	4.1	4.9	2.3	3.5	4.4		2.5	3.6	125
130				3.6	4.2	4.5	3.3	4	4.5	2.6	3.5	4.2		2.9	3.7		1.8	2.9	130
135				3.1	3.6	3.8	2.8	3.5	3.9	1.9	3	3.5		2.3	3.1			2.3	135
140				2.6	3.1		2.3	2.9	3.3		2.4	2.9			2.5				140
145				2.2	2.5		1.8	2.4	2.7		1.8	2.4			1.9				145
150				1.9	2			1.9											150

t\_205\_01219\_00\_000 / 01249\_00\_000 / 01279\_00\_000

	166 ft			170 ft			180 ft			184 ft			197 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	9.2			9.9												36
38	9.2			9.9												38
40	9.1			9.8			8.6			8.7						40
45	9			9.6			8.5			8.6			7.8			45
50	8.9			9.5			8.4			8.5			7.7			50
55	8.8			9.4			8.4			8.4			7.6			55
60	8.7	8.1		9.2	8.4		8.3			8.3			7.6			60
65	8.6	8		9.1	8.2		8.2	7.7		8.3	7.8		7.5			65
70	8.5	7.9		8.6	8.1		8.1	7.6		8	7.7		7.3	7.1		70
75	8.3	7.8		8.1	8		8	7.5		7.1	7.6		6.5	7.1		75
80	7.9	7.7	7.1	7.3	7.9	7.1	7	7.5		5.9	7.5		5.4	7.1		80
85	6.9	7.6	7.1	6.2	7.6	7.1	5.9	7.4	6.9	4.8	7.1	7	4.4	6.6		85
90	5.9	7.4	7	5.2	7.3	7	4.9	7	6.9	3.9	6.2	6.9	3.4	5.7	6.8	90
95	5	6.8	7	4.3	6.3	7	4.1	6	6.9	2.9	5.1	6.7	2.4	4.8	6.5	95
100	4.2	6	6.9	3.4	5.3	6.9	3.2	5.1	6.7	1.8	4.2	6		3.9	5.6	100
105	3.4	5.1	6.4	2.6	4.5	6	2.3	4.3	5.8		3.4	5		3.1	4.7	105
110	2.7	4.3	5.6		3.7	5.1		3.5	4.9		2.6	4.1		2.2	3.9	110
115	1.9	3.6	4.8		3	4.3		2.8	4.1			3.3			3.1	115
120		2.9	4.1		2.2	3.5		2	3.4			2.5			2.3	120
125		2.3	3.4			2.8			2.7							125
130			2.7			2.1			2							130
135			2.1													135

t\_205\_01219\_00\_000 / 01249\_00\_000 / 01279\_00\_000

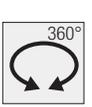
# Lifting heights Hauteurs de levage



US2554.01

# Lifting capacities Forces de levage

TVK



85%

	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	35 ft			0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	14.6																					14
15	14.6																					15
16	14.5																					16
17	14.5																					17
18	14.5																					18
19	14.5																					19
20	14.4	14.6																				20
22	14.3	14.5																				22
24	14.1	14.4																				24
26	13.8	14																				26
28	13.4	13.5																				28
30	13	13.1	12.6																			30
32	12.6	12.6	12.6																			32
34	12.2	12.2	12.4	14.6																		34
36	11.8	11.8	12	14.6																		36
38	11.4	11.4	11.5	14.6			12.6			12.9												38
40	11	11	11.2	14.6			12.6			12.9			11									40
45	10.1	10.2	10.3	14.5			12.6			12.9			11			11.2			9.5			45
50	9.2	9.6	9.7	14.4	14.2		12.5			12.9			11			11.2			9.5			50
55	8.3	8.9	9.1	14.3	13.7		12.5	12.3		12.8	12.8		11	11		11.2			9.4			55
60	7.6	8.3	8.6	14.1	13.1	12.3	12.4	12		12.7	12.6		11	11		11.2	11.2		9.4	9.5		60
65	6.9	7.5	8	13.6	12.6	11.9	12.2	11.6	11	12.6	12.2	11.6	11	10.9	10.6	11.2	11.2		9.4	9.5		65
70	6.2	6.8	7.2	13.2	12.2	11.4	11.9	11.2	10.6	12.4	11.7	11.2	10.9	10.7	10.3	11.1	11.1	10.7	9.4	9.5	9.3	70
75	5.7	6.1	6.4	12.7	11.7	11.1	11.6	10.8	10.3	12.1	11.4	10.8	10.8	10.4	10	11	10.8	10.4	9.4	9.5	9.3	75
80	5.2	5.5	5.7	12.2	11.3	10.7	11.2	10.4	10	11.9	11	10.5	10.6	10.1	9.8	10.9	10.5	10.1	9.4	9.4	9.2	80
85	4.7	4.9	5	11.8	10.9	10.3	10.8	10.1	9.7	11.5	10.7	10.2	10.3	9.8	9.5	10.7	10.2	9.9	9.3	9.3	9.1	85
90	4.3	4.4		11.3	10.5	10	10.4	9.8	9.5	11.1	10.3	9.9	10.1	9.6	9.3	10.5	10	9.6	9.2	9.1	8.9	90
95				10.9	10.1	9.7	10	9.5	9.2	10.8	10	9.6	9.8	9.4	9.1	10.3	9.7	9.4	9.1	8.9	8.7	95
100				10.5	9.8	9.5	9.6	9.3	9	10.4	9.7	9.4	9.5	9.1	8.9	10	9.5	9.2	8.9	8.8	8.6	100
105				10	9.6	9.3	9.3	9	8.8	10	9.5	9.2	9.1	8.9	8.7	9.7	9.3	9	8.7	8.6	8.4	105
110				9.6	9.3	9	8.9	8.8	8.6	9.7	9.2	9	8.9	8.7	8.5	9.4	9	8.8	8.5	8.4	8.3	110
115				9.2	9	8.8	8.6	8.5	8.4	9.3	9	8.8	8.6	8.4	8.3	9.1	8.9	8.6	8.3	8.2	8.1	115
120				8.8	8.7	8.6	8.3	8.3	8.2	8.9	8.8	8.6	8.3	8.2	8.1	8.8	8.7	8.5	8	8	7.9	120
125				8.4	8.5	8.4	8	8	8	8.6	8.5	8.4	8	8	8	8.5	8.5	8.3	7.8	7.8	7.8	125
130				8	8.1	8.1	7.6	7.7	7.8	8.3	8.2	8.3	7.7	7.7	7.8	8.2	8.2	8.1	7.6	7.5	7.6	130
135				7.7	7.8	7.8	7.3	7.4	7.5	7.9	8	8.1	7.4	7.4	7.5	7.9	7.9	7.9	7.3	7.3	7.4	135
140				7.3	7.4	7.6	7	7.1	7.2	7.6	7.7	7.8	7.1	7.2	7.3	7.6	7.7	7.7	7	7.1	7.2	140
145				7	7.1	7.2	6.6	6.8	6.9	7.3	7.4	7.5	6.9	7	7	7.4	7.4	7.5	6.8	6.8	7	145
150				6.7	6.8	6.9	6.3	6.5	6.6	7	7.1	7.2	6.6	6.7	6.8	7.1	7.1	7.3	6.5	6.6	6.8	150
155				6.4	6.5	6.6	6	6.2	6.3	6.7	6.8	6.9	6.3	6.4	6.6	6.8	6.9	7	6.2	6.4	6.5	155
160				6.2	6.2	6.3	5.7	5.9	6	6.5	6.6	6.6	6.1	6.2	6.3	6.4	6.6	6.7	5.9	6.1	6.3	160
165				5.9	6	6.1	5.5	5.6	5.7	6.2	6.3	6.4	5.8	5.9	6	6	6.3	6.5	5.6	5.8	6	165
170				5.6	5.7	5.8	5.2	5.3	5.4	6	6.1	6.1	5.6	5.7	5.8	5.5	5.9	6.1	5.1	5.5	5.7	170
175				5.4	5.5	5.5	4.9	5.1	5.1	5.8	5.8	5.9	5.3	5.4	5.5	5	5.5	5.7	4.6	5.1	5.4	175
180				5.1	5.2		4.7	4.8	4.9	5.4	5.6	5.7	5.1	5.2	5.3	4.5	5	5.2	4.2	4.6	4.9	180
185				4.9	5		4.5	4.6	4.6	5	5.3	5.4	4.9	5	5	4	4.4	4.7	3.7	4.2	4.4	185
190				4.7	4.8		4.2	4.3		4.5	4.8		4.5	4.7	4.8	3.5	3.9	4.1	3.3	3.7	3.9	190
195				4.5	4.6		4	4.1		4	4.3		4	4.3	4.4	3	3.4	3.6	2.8	3.2	3.4	195
200				4.3	4.4		3.8	3.9		3.6	3.9		3.5	3.8		2.6	2.9	3.1	2.4	2.8	3	200
205				3.2			3.6	3.7		3.2	3.4		3.1	3.4		2.2	2.5		2	2.3	2.5	205
210							3.4	3.5		2.8	2.9		2.7	2.9		1.8	2			1.9	2	210
215							2.4			2.5	2.5		2.3	2.5								215
220													2	2.1								220

t\_205\_51301\_00\_000 / 51331\_00\_000 / 51361\_00\_000

# Lifting capacities Forces de levage

TVK



85%

	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
17	9.2																						17	
18	9.2																							18
19	9.2																							19
20	9.1																							20
22	9.1																							22
24	9.1																							24
26	9																							26
28	9																							28
30	8.9																							30
32	8.8																							32
34	8.8	8.5																						34
36	8.7	8.5																						36
38	8.6	8.5																						38
40	8.5	8.5		9.2																				40
45	8.2	8.3		9.1			8.1			8.3														45
50	7.8	7.9	7.7	9.1			8.1			8.3			7.4			7.5			6.6					50
55	7.4	7.5	7.7	9			8.1			8.3			7.4			7.5			6.6			6.4		55
60	7	7.1	7.3	9			8.1			8.3			7.4			7.5			6.6			6.4		60
65	6.6	6.7	6.9	8.9	8.3		8.1			8.2			7.4			7.4			6.6			6.4		65
70	6.3	6.3	6.5	8.8	8.3		8.1	7.9		8.2	8.1		7.4			7.4			6.6			6.4		70
75	6	6	6.2	8.7	8.3		8	7.8		8.2	8		7.3	7.1		7.4	7.3		6.6			6.4		75
80	5.6	5.7	5.9	8.6	8.1		7.9	7.7		8.1	7.9		7.3	7.1		7.4	7.3		6.6	6.4		6.4		80
85	5.2	5.5	5.6	8.5	7.9	7.5	7.9	7.5		8.1	7.7		7.3	7.1		7.3	7.3		6.6	6.4		6.4		85
90	4.8	5.2	5.4	8.3	7.7	7.3	7.7	7.3	6.9	8	7.6	7.2	7.3	7.1	6.7	7.3	7.3		6.5	6.4		6.4		90
95	4.4	4.9	5.2	8.1	7.5	7.1	7.6	7.1	6.8	7.8	7.4	7	7.2	6.9	6.7	7.3	7.1	6.8	6.5	6.4	6.1	6.4		95
100	4	4.5	4.9	7.8	7.3	6.9	7.4	6.9	6.6	7.7	7.2	6.8	7.1	6.7	6.5	7.2	7	6.7	6.5	6.4	6.1	6.4		100
105	3.7	4.1	4.4	7.6	7.1	6.7	7.2	6.7	6.4	7.5	7	6.7	7	6.6	6.3	7.1	6.8	6.5	6.5	6.3	6.1	6.4		105
110	3.4	3.7	3.8	7.4	6.9	6.6	7	6.5	6.3	7.3	6.8	6.5	6.8	6.4	6.2	7	6.6	6.4	6.4	6.2	6	6.3		110
115	3.1	3.3		7.2	6.7	6.4	6.8	6.4	6.1	7.1	6.6	6.4	6.7	6.3	6.1	6.9	6.5	6.2	6.3	6.1	5.9	6.2		115
120				7	6.5	6.3	6.6	6.2	6	6.9	6.4	6.2	6.5	6.1	6	6.7	6.3	6.1	6.2	6	5.8	6.1		120
125				6.8	6.3	6.1	6.5	6.1	5.9	6.8	6.3	6.1	6.4	6	5.8	6.6	6.2	6	6.1	5.8	5.7	6		125
130				6.6	6.2	6	6.3	5.9	5.8	6.6	6.1	6	6.2	5.8	5.7	6.5	6.1	5.9	6	5.7	5.6	6		130
135				6.4	6	5.9	6.1	5.8	5.6	6.4	6	5.9	6.1	5.7	5.6	6.3	5.9	5.8	5.9	5.6	5.5	5.9		135
140				6.3	5.9	5.7	5.9	5.6	5.5	6.3	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	5.7		140
145				6.1	5.7	5.6	5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	5.6		145
150				5.9	5.6	5.5	5.6	5.4	5.3	6	5.6	5.5	5.6	5.4	5.3	5.9	5.6	5.5	5.5	5.3	5.2	5.5		150
155				5.7	5.5	5.4	5.4	5.3	5.2	5.8	5.5	5.4	5.5	5.2	5.2	5.7	5.5	5.4	5.4	5.2	5.1	5.4		155
160				5.5	5.4	5.3	5.3	5.1	5.1	5.7	5.4	5.3	5.3	5.2	5.1	5.6	5.4	5.3	5.3	5.1	5	5.3		160
165				5.3	5.3	5.2	5	5	5	5.5	5.3	5.2	5.1	5.1	5	5.4	5.3	5.2	5.1	5	5	5.1		165
170				5.1	5.1	5.1	4.8	4.9	5	5.3	5.2	5.2	5	4.9	5	5.3	5.2	5.1	5	4.9	4.9	4.9		170
175				4.9	4.9	5.1	4.6	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.8	4.7		175
180				4.7	4.8	4.9	4.4	4.6	4.7	4.9	5	5	4.6	4.7	4.8	4.7	5	5	4.6	4.7	4.8	4.4		180
185				4.5	4.6	4.8	4.1	4.4	4.5	4.7	4.8	4.9	4.4	4.6	4.7	4.3	4.8	4.9	4.2	4.6	4.7	4		185
190				4.3	4.4	4.5	3.9	4.2	4.3	4.5	4.7	4.8	4.2	4.4	4.6	3.9	4.5	4.9	3.8	4.4	4.5	3.6		190
195				4.1	4.2	4.3	3.7	3.9	4.1	4.4	4.5	4.6	4	4.2	4.4	3.5	4.2	4.6	3.3	4.1	4.4	3.1		195
200				3.9	4	4.1	3.6	3.7	3.9	4.1	4.3	4.4	3.8	4	4.2	3.1	3.8	4.2	3	3.7	4.1	2.8		200
205				3.7	3.8		3.4	3.5	3.6	3.7	4.1	4.2	3.5	3.8	4	2.7	3.4	3.7	2.6	3.2	3.7	2.4		205
210				3.6	3.7		3.2	3.3	3.4	3.3	3.8	4	3.2	3.6	3.8	2.3	3	3.3	2.2	2.8	3.2	2		210
215				3.4	3.5		3	3.1		2.9	3.4	3.6	2.8	3.3	3.5	2	2.6	2.8	1.8	2.5	2.8			215
220				3.3	3.3		2.8	2.9		2.6	3		2.4	2.9	3.1		2.1	2.4		2.1	2.4			220
225				3	3.2		2.7	2.8		2.2	2.6		2.1	2.5				1.9			2			225
230				2.6			2.5	2.6		1.9	2.2			2.2										230
235							2.2	2.4			1.8			1.8										235
240							1.9																	240

t\_205\_51401\_00\_000 / 51431\_00\_000 / 51461\_00\_000

# Lifting capacities Forces de levage

TVK

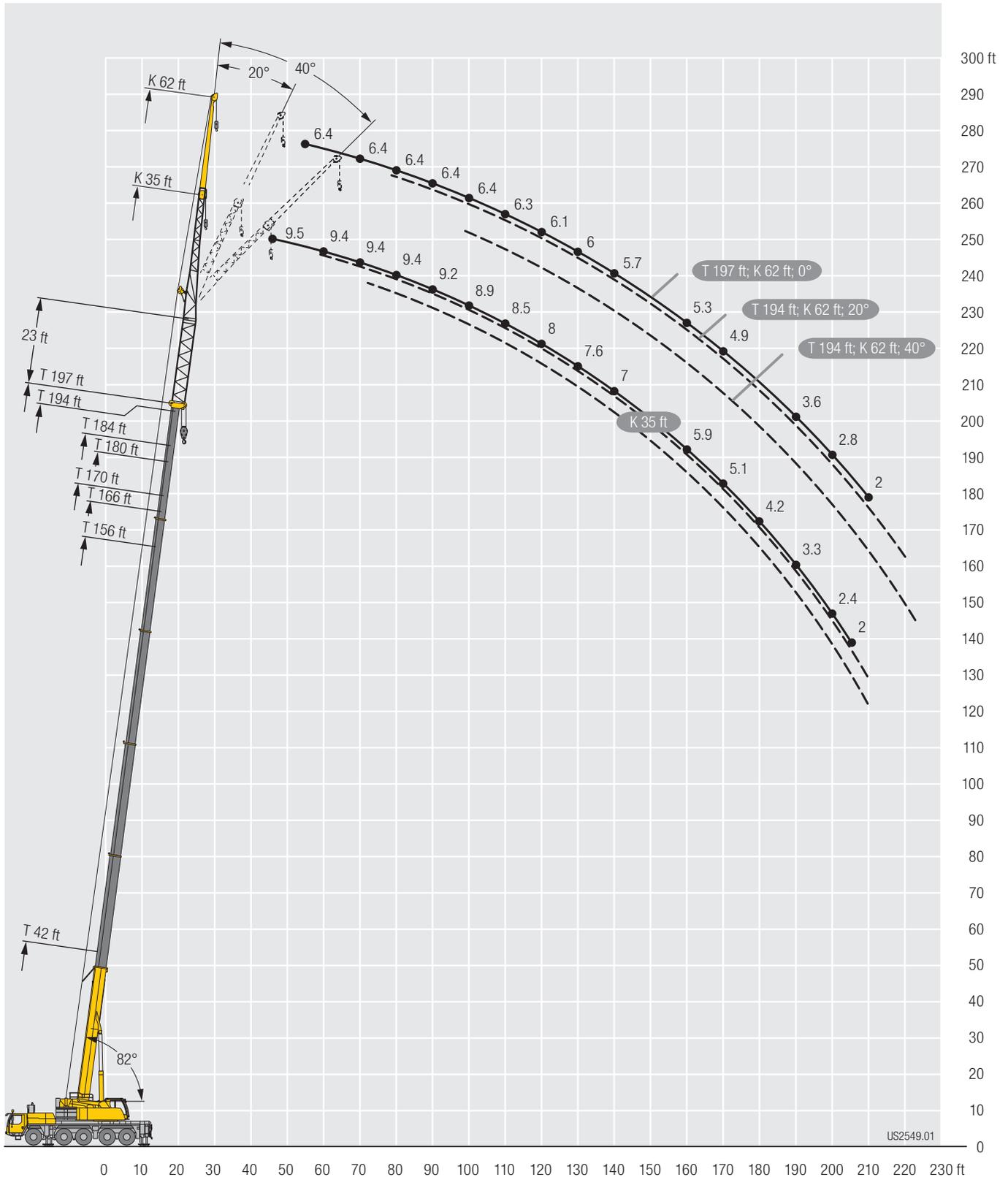
	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft				
	35 ft																						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
14	13.3																					14	
15	13.2																					15	
16	13.2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

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

	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft		
	62 ft																							
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
17	8.3																						17	
18	8.3																						18	
19	8.3																						19	
20	8.3																						20	
22	8.2																						22	
24	8.2																						24	
26	8.1																						26	
28	8																						28	
30	8																						30	
32	8																						32	
34	8																						34	
36	7.9	7.7																					36	
38	7.8	7.7																					38	
40	7.8	7.7				8.3																	40	
45	7.4	7.5				8.3			7.4			7.6											45	
50	7.1	7.2	7			8.3			7.4			7.6			6.7			6.9			6		50	
55	6.7	6.8	7			8.2			7.4			7.5			6.7			6.8			6		55	
60	6.3	6.4	6.6			8.2			7.4			7.5			6.7			6.8			6		60	
65	6	6.1	6.3	8.1		7.6			7.3			7.5			6.7			6.8			6		65	
70	5.7	5.8	5.9	8		7.6			7.3	7.1		7.5	7.3		6.7			6.7			6		70	
75	5.4	5.5	5.6	7.9		7.5			7.3	7.1		7.4	7.3		6.7	6.5		6.4	6.6		6		75	
80	5.1	5.2	5.4	7.6		7.4			7.1	7		7.4	7.2		6.4	6.5		5.5	6.6		5.1	5.8	80	
85	4.7	5	5.1	7		7.2	6.8		6.4	6.8		5.9	7		5.5	6.5		4.5	6.6		4.2	5.8	85	
90	4.3	4.8	4.9	5.9		7	6.6		5.6	6.6	6.3	4.9	6.9	6.5	4.6	6.3	6.1	3.6	5.7		3.2	5.4	90	
95	4	4.5	4.7	5		6.6	6.5		4.7	6.4	6.2	4	6	6.4	3.7	5.6	6	2.7	4.8	6.2	2.2	4.5	5.5	95
100	3.7	4.1	4.5	4.2		6	6.3		3.9	5.7	6	3.1	5.1	6.2	2.9	4.8	5.9	4	5.6			3.7	5.3	100
105	3.4	3.7	4	3.5		5.2	6.1		3.1	4.9	5.9	2.3	4.3	5.8	2	4	5.4		4	5.4		3	4.5	105
110	3.1	3.4	3.5	2.7		4.4	5.6		2.4	4.1	5.5		3.5	4.9		3.3	4.7		3.2	4.7		2.3	3.7	110
115						3.7	4.9		3.4	4.7			2.8	4.2		2.5	3.9					3.2	3	115
120						3	4.2		2.8	4			2	3.4		1.8	3.3					2.4	2.4	120
125						2.3	3.5		2	3.3				2.8			2.5							125
130							2.9			2.6				2			1.8							130
135							2.2			1.9														135

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

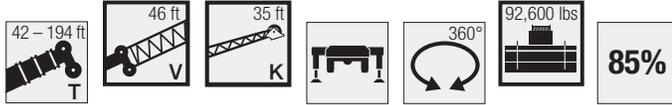
# Lifting heights Hauteurs de levage



US2549.01

# Lifting capacities Forces de levage

TVK

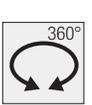


Crane Model	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			Crane Model	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	35 ft			0°	20°	40°	0°	20°	40°	0°	20°	40°		
14	9.7																					14	
15	9.7																					15	
16	9.7																					16	
17	9.7																					17	
18	9.7																					18	
19	9.7																					19	
20	9.7																					20	
22	9.7																					22	
24	9.7	9.7																				24	
26	9.6	9.7																				26	
28	9.5	9.7																				28	
30	9.5	9.7																				30	
32	9.3	9.6																				32	
34	9.1	9.4	9.1																			34	
36	8.9	9.1	9.1																			36	
38	8.7	8.9	9																			38	
40	8.5	8.6	8.9	9.7																		40	
45	8	8.1	8.3	9.7			8.5			8.8												45	
50	7.4	7.5	7.7	9.7			8.5			8.7			7.6			7.6				6.6		50	
55	7	7.1	7.2	9.7	9.7		8.5			8.7			7.6			7.6				6.6		55	
60	6.5	6.6	6.8	9.6	9.5		8.5	8.5		8.6	8.7		7.6	7.7		7.6				6.6		60	
65	6.2	6.2	6.4	9.4	9.2	8.9	8.4	8.4		8.6	8.6		7.5	7.6		7.6	7.6			6.6	6.6	65	
70	5.8	5.9	6	9.2	8.9	8.6	8.3	8.2	8	8.5	8.5	8.4	7.5	7.6		7.5	7.6			6.6	6.6	70	
75	5.4	5.5	5.7	8.9	8.6	8.4	8.2	8	7.8	8.4	8.3	8.1	7.4	7.6	7.5	7.5	7.6	7.6		6.6	6.6	75	
80	5	5.2	5.4	8.7	8.3	8.1	8	7.7	7.5	8.2	8.1	7.9	7.4	7.4	7.3	7.5	7.6	7.5		6.5	6.6	6.6	80
85	4.6	4.9	5.1	8.4	8	7.8	7.7	7.5	7.3	8.1	7.8	7.6	7.3	7.2	7.1	7.4	7.5	7.3		6.5	6.6	6.6	85
90	4.2	4.5	4.8	8.1	7.8	7.6	7.5	7.2	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.1		6.5	6.6	6.6	90
95	3.8	4.1	4.3	7.8	7.5	7.3	7.3	7	6.9	7.7	7.4	7.2	7	6.8	6.7	7.2	7.1	7		6.4	6.5	6.4	95
100	3.4	3.7	3.8	7.6	7.3	7.1	7.1	6.8	6.7	7.5	7.1	7	6.9	6.6	6.5	7.1	6.9	6.8		6.4	6.4	6.3	100
105	3.1	3.3	3.3	7.3	7	6.9	6.9	6.6	6.5	7.2	6.9	6.8	6.7	6.5	6.4	7	6.7	6.6		6.4	6.2	6.1	105
110	2.8	2.9	3.2	7.1	6.8	6.7	6.7	6.4	6.3	7	6.7	6.6	6.5	6.3	6.2	6.8	6.6	6.4		6.2	6.1	6	110
115	2.6			6.9	6.6	6.5	6.4	6.2	6.1	6.8	6.5	6.4	6.3	6.1	6	6.6	6.4	6.3		6.1	5.9	5.9	115
120				6.6	6.4	6.3	6.3	6	6	6.6	6.3	6.2	6.2	6	5.9	6.4	6.2	6.1		5.9	5.8	5.7	120
125				6.4	6.2	6.1	6.1	5.9	5.8	6.4	6.2	6.1	6	5.8	5.7	6.2	6.1	6		5.8	5.6	5.6	125
130				6.2	6	5.9	5.9	5.7	5.6	6.2	6	5.9	5.8	5.7	5.6	6.1	5.9	5.8		5.7	5.5	5.5	130
135				6	5.8	5.8	5.7	5.6	5.5	6	5.8	5.8	5.7	5.5	5.5	5.9	5.7	5.7		5.5	5.4	5.3	135
140				5.9	5.7	5.6	5.5	5.4	5.4	5.9	5.7	5.6	5.5	5.4	5.3	5.8	5.6	5.5		5.4	5.2	5.2	140
145				5.7	5.5	5.5	5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.3	5.2	5.6	5.5	5.4		5.3	5.1	5.1	145
150				5.5	5.4	5.4	5.2	5.1	5.1	5.6	5.4	5.4	5.2	5.1	5.1	5.5	5.3	5.3		5.2	5	5	150
155				5.3	5.2	5.2	5	5	5	5.4	5.3	5.2	5	5	5	5.3	5.2	5.2		5	4.9	4.9	155
160				5.1	5.1	5.1	4.8	4.8	4.9	5.3	5.1	5.1	4.9	4.9	4.8	5.2	5.1	5.1		4.9	4.8	4.8	160
165				4.8	4.9	5	4.6	4.7	4.7	5.1	5	5	4.7	4.7	4.7	5	5	5		4.7	4.7	4.7	165
170				4.6	4.7	4.8	4.3	4.5	4.5	4.9	4.9	4.9	4.5	4.6	4.6	4.9	4.8	4.9		4.5	4.6	4.6	170
175				4.4	4.5	4.6	4.1	4.2	4.3	4.7	4.7	4.7	4.3	4.4	4.5	4.5	4.7	4.8		4.3	4.5	4.5	175
180				4.2	4.3	4.4	3.9	4	4.1	4.5	4.5	4.6	4.1	4.2	4.4	4.1	4.5	4.7		3.9	4.2	4.3	180
185				4	4.1	4.1	3.7	3.8	3.9	4.3	4.3	4.4	4	4	4.2	3.6	4	4.3		3.5	3.9	4.1	185
190				3.8	3.9	3.9	3.5	3.6	3.6	4	4.1	4.2	3.8	3.9	3.9	3.2	3.6	3.9		3	3.5	3.7	190
195				3.6	3.7	3.7	3.3	3.4	3.4	3.8	3.9	4	3.5	3.7	3.7	2.8	3.2	3.4		2.6	3	3.3	195
200				3.4	3.5		3.1	3.2	3.2	3.4	3.6	3.7	3.2	3.5	3.5	2.4	2.8	3		2.2	2.6	2.8	200
205				3.2	3.3		2.9	3		2.9	3.3	3.4	2.8	3.1	3.2	1.9	2.3	2.5		1.8	2.2	2.4	205
210				3.1	3.1		2.7	2.8		2.5	2.8		2.4	2.7	2.9		1.9	2.1			1.8	2	210
215				2.9	3		2.5	2.6		2.2	2.4		2	2.3	2.5								215
220				2.6	2.7		2.3	2.4		1.8	2			1.9									220
225				2.2			2	2.2															225
230								1.9															230

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# Lifting capacities Forces de levage

TVK



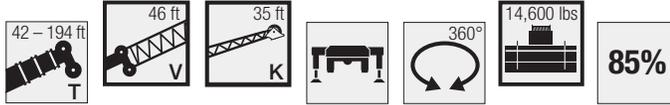
85%

	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			
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17	6.6																					17
18	6.6																					18
19	6.6																					19
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22	6.6																					22
24	6.6																					24
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28	6.6																					28
30	6.5																					30
32	6.5																					32
34	6.5																					34
36	6.5																					36
38	6.4	6.6																				38
40	6.4	6.6																				40
45	6.3	6.6		6.6																		45
50	6.1	6.3		6.6			5.8			5.9												50
55	5.8	6	5.9	6.6			5.8			5.9		5.2			5.2							55
60	5.5	5.7	5.9	6.5			5.7			5.9		5.1			5.2			4.5				60
65	5.2	5.4	5.6	6.5			5.7			5.8		5.1			5.1			4.4				65
70	4.9	5.1	5.3	6.4			5.7			5.8		5.1			5.1			4.4				70
75	4.6	4.8	5	6.4	6.5		5.7	5.8		5.7	5.9	5			5.1			4.4				75
80	4.4	4.5	4.7	6.3	6.3		5.6	5.8		5.7	5.9	5	5.2		5	5.2		4.4				80
85	4.1	4.2	4.5	6.3	6.2		5.6	5.7		5.7	5.8	5	5.1		5	5.2		4.4	4.5			85
90	3.9	4	4.2	6.2	6	5.8	5.5	5.6		5.7	5.7	5	5.1		5	5.2		4.3	4.5			90
95	3.7	3.8	4	6.1	5.8	5.6	5.5	5.4	5.3	5.6	5.6	5.4	5	5.1		5	5.1	4.3	4.5			95
100	3.5	3.6	3.8	5.9	5.6	5.4	5.4	5.3	5.1	5.6	5.4	5.3	4.9	5.1	4.9	5	5.1	5.1	4.3	4.5		100
105	3.3	3.4	3.6	5.7	5.4	5.3	5.3	5.1	5	5.5	5.3	5.2	4.9	4.9	4.8	4.9	5	5	4.3	4.5	4.4	105
110	3.1	3.3	3.4	5.5	5.3	5.1	5.2	4.9	4.8	5.4	5.1	5	4.9	4.8	4.7	4.9	4.9	4.9	4.3	4.4	4.4	110
115	2.8	3.1	3.2	5.3	5.1	5	5	4.8	4.7	5.2	5	4.9	4.8	4.7	4.6	4.8	4.8	4.8	4.3	4.4	4.4	115
120	2.5	2.9	3.1	5.2	4.9	4.8	4.8	4.6	4.6	5.1	4.9	4.7	4.7	4.6	4.5	4.7	4.7	4.6	4.2	4.3	4.3	120
125	2.5	2.6	2.8	5	4.8	4.7	4.7	4.5	4.4	4.9	4.7	4.6	4.6	4.4	4.3	4.7	4.6	4.5	4.2	4.2	4.2	125
130	2.5	2.5	2.4	4.8	4.6	4.5	4.5	4.4	4.3	4.8	4.6	4.5	4.4	4.3	4.2	4.6	4.5	4.4	4.1	4.1	4.1	130
135	2.5	2.5	2.2	4.7	4.5	4.4	4.4	4.2	4.2	4.7	4.4	4.4	4.3	4.2	4.1	4.5	4.3	4.3	4.1	4	4	135
140	2.5	2.5		4.5	4.3	4.3	4.3	4.1	4.1	4.5	4.3	4.3	4.2	4.1	4	4.4	4.2	4.2	4	3.9	3.9	140
145				4.4	4.2	4.2	4.2	4	3.9	4.4	4.2	4.1	4.1	3.9	3.9	4.3	4.1	4.1	3.9	3.8	3.8	145
150				4.3	4.1	4	4	3.9	3.8	4.2	4.1	4	4	3.8	3.8	4.2	4	4	3.9	3.7	3.7	150
155				4.1	4	3.9	3.9	3.7	3.7	4.1	4	3.9	3.9	3.7	3.7	4.1	3.9	3.9	3.8	3.6	3.6	155
160				4	3.8	3.8	3.8	3.6	3.6	4	3.9	3.8	3.8	3.6	3.6	3.9	3.8	3.8	3.7	3.6	3.6	160
165				3.9	3.7	3.7	3.7	3.5	3.5	3.9	3.8	3.7	3.7	3.5	3.6	3.8	3.7	3.7	3.6	3.5	3.5	165
170				3.7	3.6	3.6	3.6	3.5	3.5	3.8	3.7	3.6	3.6	3.4	3.5	3.7	3.6	3.6	3.5	3.4	3.4	170
175				3.6	3.5	3.5	3.5	3.3	3.4	3.7	3.6	3.5	3.5	3.4	3.4	3.6	3.5	3.5	3.4	3.3	3.3	175
180				3.5	3.4	3.4	3.3	3.3	3.3	3.6	3.5	3.5	3.4	3.3	3.3	3.6	3.4	3.4	3.3	3.2	3.2	180
185				3.4	3.3	3.4	3.2	3.2	3.2	3.5	3.4	3.4	3.3	3.2	3.2	3.5	3.3	3.4	3.2	3.2	3.2	185
190				3.3	3.3	3.3	3	3.1	3.1	3.4	3.3	3.3	3.2	3.1	3.1	3.3	3.3	3.3	3	3.1	3.1	190
195				3.2	3.2	3.2	2.9	3	3.1	3.3	3.2	3.2	3.1	3.1	3.1	3	3.2	3.2	2.8	3	3	195
200				3.1	3.1	3.1	2.7	2.9	3	3.2	3.1	3.2	2.9	3	3	2.6	3.1	3.2	2.4	2.9	3	200
205				2.9	3	3.1	2.5	2.7	2.9	3.1	3	3.1	2.8	2.9	2.9	2.2	2.9	3.1	2	2.7	2.9	205
210				2.8	2.9	3	2.4	2.6	2.8	2.8	3	3	2.6	2.8	2.8	1.9	2.5	3		2.4	2.8	210
215				2.6	2.7	2.8	2.2	2.4	2.6	2.5	2.9	2.9	2.4	2.6	2.8		2.2	2.6		2	2.5	215
220				2.4	2.5	2.6	2	2.2	2.3	2.2	2.7	2.8	2.1	2.5	2.6		1.8	2.2			2.1	220
225				2.3	2.4		1.8	2	2.1	1.9	2.4	2.6		2.3	2.4			1.8				225
230				2.1	2.2			1.8	1.9		2	2.2		1.9	2.2							230
235				2	2.1										1.8							235
240					1.9																	240

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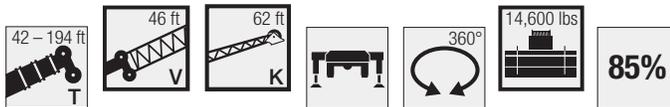
# Lifting capacities Forces de levage

TVK



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

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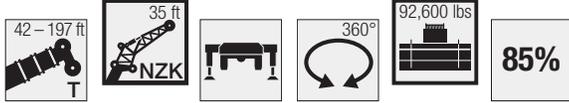
	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			
	62 ft									0°	20°	40°	0°	20°	40°	0°	20°	40°				
	0°	20°	40°	0°	20°	40°	0°	20°	40°										0°	20°	40°	
17	6																				17	
18	6																				18	
19	6														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

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# Lifting capacities Forces de levage

TNZK

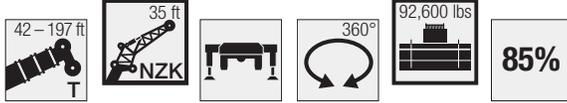


	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	38.7																		14
15	38.7																		15
16	38.7	37.6		38.7															16
17	38.7	37.6		38.7															17
18	38.6	37.4		38.7															18
19	38.3	36.8		38.7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

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# Lifting capacities Forces de levage

**TNZK**

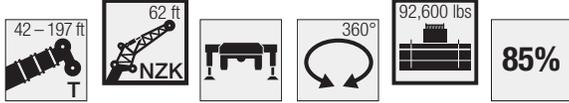


Jib Length (ft)	166 ft			170 ft			180 ft			184 ft			197 ft			Jib Length (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	18.4			19.5												32
34	18.4			19.5												34
36	18.4			19.5			16.3			16.5						36
38	18.4			19.5			16.3			16.5						38
40	18.4			19.5			16.3			16.5			13.9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

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# Lifting capacities Forces de levage

**TNZK**

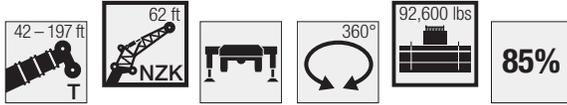


Height (ft)	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			Height (ft)
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	16.6																		17
18	16.5																		18
19	16.3																		19
20	16.2																		20
22	15.9			14															22
24	15.5			13.9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

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# Lifting capacities Forces de levage

**TNZK**

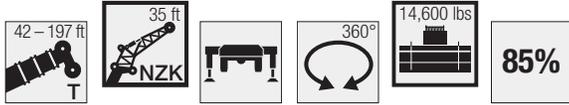


Height	166 ft			170 ft			180 ft			184 ft			197 ft			Height
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	10.1			10.8												36
38	10.1			10.8												38
40	10.1			10.7			9.4									40
45	9.9			10.6			9.4			9.4			8.5			45
50	9.8			10.5			9.3			9.3			8.5			50
55	9.7			10.3			9.2	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

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# Lifting capacities Forces de levage

**TNZK**



	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
14	38.2																		14	
15	37.6																		15	
16	36.9	34.2		38.7															16	
17	36.2	34.2		38.7															17	
18	35.5	34		38.7															18	
19	34.8	33.5		38.7			38.4												19	
20	34.2	32.7		38.7			38.3												20	
22	33	31.3		38.7			38			33.8									22	
24	31.8	30.1		38.7			37.7			33.6									24	
26	30.5	28.9	23.5	38.6			37.2			33.5			28.9						26	
28	29.1	27.8	23	38.5	30		36.7			33.2			28.8						28	
30	27.7	26.8	22.3	37.9	29.3		36.2	29		32.8			28.7				24.1		30	
32	26.4	25.8	21.8	37.2	28.6		35.6	28.5		32.4			28.5				24.1		32	
34	25.1	24.9	21.2	36.4	27.9		34.9	27.9		32	27		28.2				24		34	
36	23.7	24.1	20.7	35.6	27.3	21.9	34	27.3		31.3	26.6		28				23.9		36	
38	22.4	23.3	20.1	34.5	26.7	21.5	32.3	26.8		29.8	26.1		26.8	24.8			23.8		38	
40	21.3	22.2	19.7	32.9	26.1	21.2	30.2	26.2	21.2	27.9	25.7		26.2	24.4			23.5		40	
45	18.8	19.5	18.2	27.6	24.8	20.4	25.3	25	20.5	23.2	24.6	20.3	22.5	23.2			21.3	21.8	45	
50	16.9	17.5	16.7	23.5	23.6	19.8	21.4	23.4	19.9	21.6	22	19.7	21.2	21.1	19.3		19.1	20.4	50	
55	15.2	16.4	15.9	20.1	21.9	19.2	18.2	20.3	19.3	19.7	18.8	19.2	18.4	18.6	18.6		17.1	17.7	18	55
60	13.9	15.5	15.4	17.3	19.1	18.6	15.5	17.4	18.6	17.1	17.8	17.7	15.9	17.5	17		14.7	16.5	16.7	60
65	12.7	14.9	6.3	15	16.5	17.7	13.3	15	16.4	14.8	16.4	15.7	13.8	15.4	15.6		12.7	14.3	15.3	65
70				13	14.4	15.5	11.3	12.9	14.2	13	14.3	15.2	12	13.4	14.6		10.9	12.4	13.7	70
75				11.3	12.5	13.5	9.7	11.1	12.2	11.3	12.6	13.6	10.4	11.7	12.8		9.4	10.8	12	75
80				9.7	10.8	11.7	8.3	9.5	10.5	9.9	11.1	12	9	10.2	11.2		8	9.3	10.4	80
85				8.3	9.3	10	7	8.1	9	8.7	9.7	10.5	7.8	8.9	9.8		6.9	8	9	85
90				7.1	8	8.5	5.9	6.9	7.7	7.6	8.5	9.2	6.7	7.7	8.5		5.8	6.9	7.8	90
95				6	6.8	7.3	4.9	5.8	6.5	6.6	7.4	8.1	5.8	6.7	7.4		4.8	5.9	6.7	95
100				5.1	5.7	6.1	4	4.8	5.4	5.7	6.4	7	4.9	5.7	6.4		4	4.9	5.7	100
105				4.2	4.8	5.1	3.2	3.9	4.4	4.9	5.5	6	4.1	4.9	5.5		3.2	4.1	4.8	105
110				3.5	3.9	4.1	2.3	3.1	3.4	4.1	4.7	5.1	3.4	4.1	4.6		2.4	3.3	3.9	110
115				2.8	3.2			2.1	2.5	3.4	4	4.3	2.7	3.4	3.9			2.6	3.2	115
120				2.2	2.4					2.7	3.3	3.6	1.9	2.7	3.2				2.4	120
125										2.1	2.6	2.9		2	2.5					125
130											1.9	2.2								130

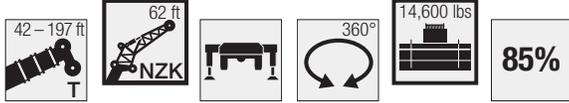
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	166 ft			170 ft			180 ft			184 ft			197 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	16.8			18.5												32
34	16.8			18.5												34
36	16.8			18.5			14.8			15						36
38	16.8			18.5			14.8			15						38
40	16.8			18.4			14.8			15			12.6			40
45	16.8			18.4			14.8			15			12.6			45
50	16.7	16.2		17.1	18.4		14.8	14.3		15			12.6			50
55	16.3	15.9		15.7	16.8		14.6	14.3		14	14.8		12.4	12.4		55
60	14.3	15.3	14.8	13.4	15.3	15.6	13	14.2	13.9	11.8	13.7		11.1	12.2		60
65	12.3	13.9	14.2	11.4	13.1	14.7	11.1	12.9	13.7	9.8	11.7	13.4	9.4	11.1	11.8	65
70	10.6	12.1	13.4	9.7	11.3	12.7	9.5	11	12.4	8.2	9.9	11.4	7.8	9.5	10.9	70
75	9.1	10.5	11.7	8.2	9.7	10.9	8	9.5	10.7	6.8	8.4	9.7	6.4	8	9.3	75
80	7.8	9.1	10.1	6.9	8.3	9.4	6.7	8.1	9.2	5.6	7	8.2	5.2	6.7	7.9	80
85	6.6	7.8	8.8	5.8	7	8.1	5.6	6.9	7.9	4.4	5.8	6.9	4.1	5.5	6.6	85
90	5.6	6.7	7.6	4.7	5.9	6.9	4.6	5.7	6.7	3.4	4.7	5.8	3	4.4	5.4	90
95	4.6	5.7	6.5	3.8	4.9	5.8	3.6	4.8	5.7	2.2	3.7	4.7	1.8	3.4	4.4	95
100	3.8	4.7	5.5	2.9	4	4.8	2.7	3.9	4.7		2.7	3.7		2.4	3.5	100
105	3	3.9	4.6	2	3.2	3.9	1.8	3	3.8			2.8			2.5	105
110	2.1	3.1	3.8		2.2	3.1		2.1	3							110
115		2.4	3			2.2			2.1							115
120			2.2													120

L\_205\_01819\_00\_000

# Lifting capacities Forces de levage

TNZK



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

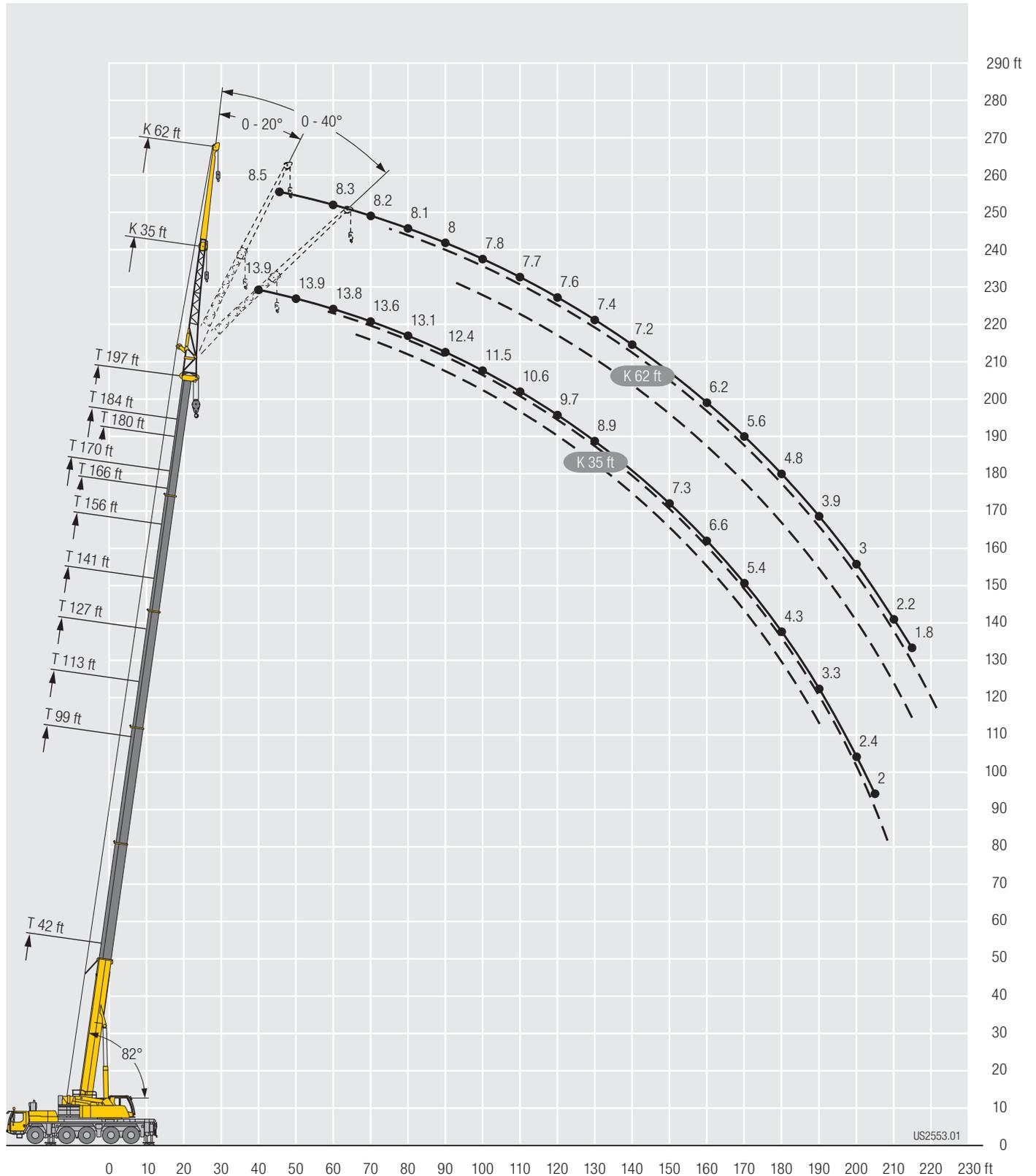
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	166 ft			170 ft			180 ft			184 ft			197 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
36	9.2			9.9												36
38	9.2			9.8												38
40	9.1			9.8			8.6									40
45	9			9.6			8.5			8.6						45
50	8.9			9.5			8.4			8.5			7.7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

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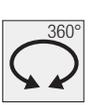
# Lifting heights Hauteurs de levage

TNZK



# Lifting capacities Forces de levage

TVNZK



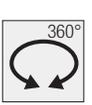
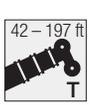
85%

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

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# Lifting capacities Forces de levage

TVNZK



85%

	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
17	9.2																								17	
18	9.2																									18
19	9.2																									19
20	9.2																									20
22	9.1																									22
24	9.1																									24
26	9																									26
28	9																									28
30	8.9																									30
32	8.8																									32
34	8.8																									34
36	8.7	8.5																								36
38	8.6	8.5																								38
40	8.5	8.4		9.2																						40
45	8.2	8.3		9.1			8.1			8.3																45
50	7.8	7.9		9.1			8.1			8.3			7.4			7.5										50
55	7.4	7.5	7.6	9			8.1			8.3			7.4			7.5			6.6			6.4				55
60	7	7.1	7.3	9			8.1			8.3			7.4			7.5			6.6			6.4				60
65	6.6	6.7	6.9	8.9	8.4		8.1			8.3			7.4			7.5			6.6			6.4				65
70	6.3	6.3	6.5	8.8	8.4		8.1	7.9		8.2	8		7.4			7.4			6.6			6.4				70
75	6	6	6.2	8.7	8.3		8	7.8		8.2	8		7.3	7.2		7.4	7.4		6.6			6.4				75
80	5.6	5.7	5.9	8.6	8.1		7.9	7.7		8.1	7.9		7.3	7.2		7.4	7.4		6.6	6.4		6.4	6.3			80
85	5.2	5.5	5.6	8.5	7.9	7.5	7.8	7.4		8.1	7.7		7.3	7.1		7.3	7.3		6.6	6.4		6.4	6.3			85
90	4.8	5.2	5.4	8.3	7.7	7.3	7.7	7.3	6.9	8	7.5	7.2	7.2	7.1	6.7	7.3	7.3		6.6	6.4		6.4	6.3			90
95	4.4	4.9	5.2	8	7.5	7.1	7.6	7.1	6.7	7.8	7.3	7	7.2	6.9	6.6	7.3	7.1	6.8	6.5	6.4	6	6.4	6.3			95
100	4	4.6	4.9	7.8	7.2	6.9	7.4	6.9	6.6	7.7	7.1	6.8	7.1	6.7	6.5	7.2	6.9	6.7	6.5	6.4	6.1	6.4	6.3	6		100
105	3.7	4.1	4.4	7.6	7	6.7	7.2	6.7	6.4	7.5	7	6.7	7	6.5	6.3	7.1	6.8	6.5	6.5	6.3	6.1	6.3	6.2	6		105
110	3.4	3.7	3.8	7.4	6.8	6.6	7	6.5	6.3	7.3	6.8	6.5	6.8	6.4	6.2	7	6.6	6.4	6.4	6.2	6	6.3	6.1	6		110
115	3.1	3.3		7.2	6.6	6.4	6.8	6.3	6.1	7.1	6.6	6.4	6.7	6.2	6.1	6.9	6.5	6.2	6.3	6.1	5.9	6.2	6	5.9		115
120				7	6.5	6.2	6.6	6.2	6	6.9	6.4	6.2	6.5	6.1	5.9	6.7	6.3	6.1	6.2	5.9	5.8	6.1	5.9	5.8		120
125				6.8	6.3	6.1	6.4	6	5.9	6.7	6.3	6.1	6.4	6	5.8	6.6	6.2	6	6.1	5.8	5.7	6	5.8	5.7		125
130				6.6	6.1	6	6.3	5.9	5.7	6.6	6.1	6	6.2	5.8	5.7	6.4	6	5.9	6	5.7	5.6	5.9	5.7	5.6		130
135				6.4	6	5.9	6.1	5.7	5.6	6.4	6	5.9	6	5.7	5.6	6.3	5.9	5.8	5.9	5.6	5.5	5.8	5.6	5.5		135
140				6.2	5.9	5.7	5.9	5.6	5.5	6.2	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	5.7	5.5	5.4		140
145				6.1	5.7	5.6	5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	5.6	5.4	5.3		145
150				5.9	5.6	5.5	5.6	5.4	5.3	5.9	5.6	5.5	5.6	5.3	5.3	5.9	5.6	5.5	5.6	5.3	5.2	5.5	5.3	5.2		150
155				5.7	5.5	5.4	5.4	5.3	5.2	5.8	5.5	5.4	5.4	5.2	5.2	5.7	5.5	5.4	5.4	5.2	5.1	5.4	5.2	5.1		155
160				5.5	5.4	5.3	5.3	5.1	5.1	5.7	5.4	5.3	5.3	5.1	5.1	5.6	5.4	5.3	5.3	5.1	5	5.3	5.1	5		160
165				5.3	5.2	5.2	5	5	5.1	5.5	5.3	5.2	5.1	5	5	5.4	5.3	5.2	5.2	5	5	5.1	5	4.9		165
170				5.1	5.1	5.2	4.8	4.9	5	5.3	5.2	5.2	5	4.9	5	5.3	5.2	5.1	5	4.9	4.9	4.9	4.9	4.9		170
175				4.9	4.9	5.1	4.6	4.8	4.8	5.1	5.1	5.1	4.8	4.8	4.9	5.1	5.1	5.1	4.8	4.8	4.8	4.7	4.8	4.8		175
180				4.7	4.8	4.9	4.4	4.6	4.7	4.9	5	5	4.6	4.7	4.8	4.7	4.9	5	4.6	4.7	4.8	4.4	4.7	4.8		180
185				4.5	4.6	4.8	4.2	4.4	4.5	4.7	4.8	4.9	4.4	4.6	4.7	4.4	4.8	4.9	4.2	4.6	4.7	4	4.6	4.6		185
190				4.3	4.4	4.5	4	4.2	4.3	4.5	4.6	4.8	4.2	4.4	4.6	4	4.6	4.8	3.8	4.4	4.6	3.6	4.3	4.5		190
195				4.1	4.2	4.3	3.8	4	4.1	4.4	4.5	4.6	4	4.2	4.4	3.6	4.2	4.6	3.3	4.1	4.4	3.2	3.9	4.3		195
200				3.9	4	4.1	3.6	3.8	3.9	4.2	4.3	4.4	3.8	4.1	4.2	3.1	3.8	4.2	3	3.7	4.1	2.8	3.5	4		200
205				3.7	3.8		3.4	3.6	3.6	3.8	4.1	4.2	3.5	3.9	4	2.8	3.4	3.7	2.6	3.3	3.7	2.4	3.1	3.5		205
210				3.6	3.7		3.2	3.4	3.4	3.3	3.9	4	3.2	3.6	3.8	2.4	3	3.3	2.2	2.9	3.2	2.1	2.7	3.1		210
215				3.4	3.5		3	3.2		3	3.4	3.6	2.8	3.3	3.5	2	2.6	2.8	1.9	2.5	2.8		2.3	2.7		215
220				3.2	3.3		2.8	3		2.6	3		2.5	2.9	3.1		2.1	2.4		2.1	2.4		1.9	2.3		220
225				3	3.2		2.7	2.8		2.2	2.6		2.1	2.5			1.9				2			1.8		225
230				2.6			2.5	2.6		1.9	2.2		1.8	2.2												230
235							2.2	2.4			1.9			1.8												235
240							1.9																			240

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# Lifting capacities Forces de levage

TVNZK

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

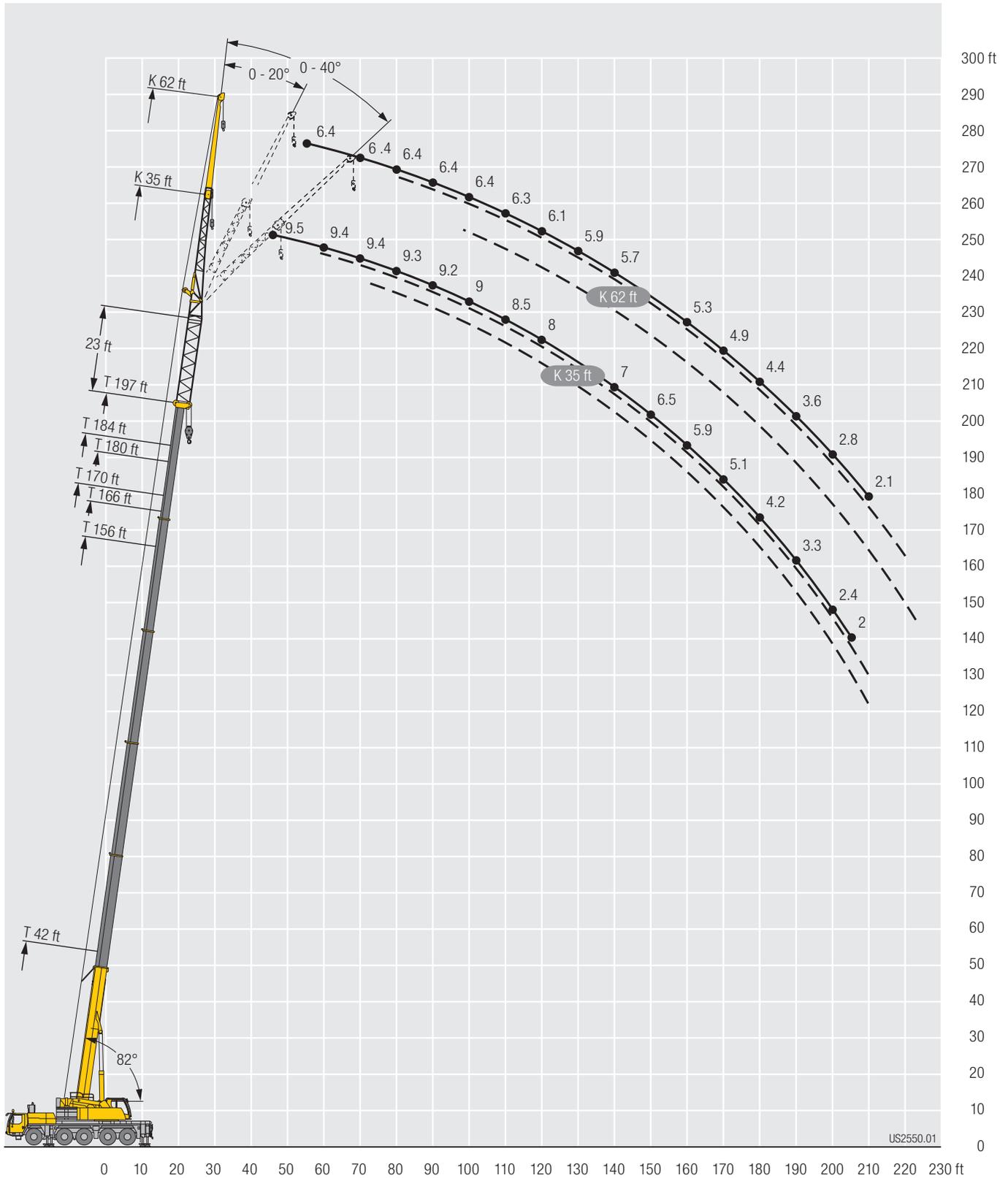
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	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			197 ft + 23 ft			
	62 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°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

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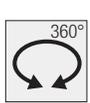
# Lifting heights Hauteurs de levage

TVNZK



# Lifting capacities Forces de levage

TVNZK



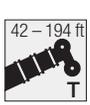
85%

Crane Icon	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			197 ft + 46 ft			Crane Icon
	35 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	9.8																							14	
15	9.8																							15	
16	9.8																							16	
17	9.8																							17	
18	9.8																							18	
19	9.8																							19	
20	9.8																							20	
22	9.8																							22	
24	9.7	9.7																						24	
26	9.6	9.7																						26	
28	9.5	9.7																						28	
30	9.5	9.7																						30	
32	9.4	9.6																						32	
34	9.2	9.4	9																					34	
36	8.9	9.2	9																					36	
38	8.7	8.9	9																					38	
40	8.5	8.7	8.9	9.8																				40	
45	8	8.1	8.3	9.8			8.5			8.8														45	
50	7.4	7.6	7.7	9.7			8.5			8.7			7.6			7.5								50	
55	7	7.1	7.2	9.6	9.7		8.5			8.7			7.6			7.5			6.6			6.4		55	
60	6.5	6.6	6.8	9.5	9.5		8.5	8.5		8.6	8.7		7.5			7.5			6.6			6.4		60	
65	6.2	6.3	6.4	9.4	9.2	8.9	8.4	8.4		8.6	8.7		7.5	7.6		7.5	7.6		6.6	6.6		6.4		65	
70	5.8	5.9	6	9.2	8.9	8.6	8.3	8.2	8	8.5	8.5	8.4	7.5	7.6		7.5	7.6		6.6	6.6		6.4	6.4	70	
75	5.5	5.6	5.7	8.9	8.6	8.4	8.2	8	7.8	8.4	8.3	8.1	7.5	7.5	7.5	7.5	7.6	7.6	6.6	6.6		6.4	6.4	75	
80	5	5.3	5.4	8.7	8.3	8.1	8	7.7	7.6	8.2	8.1	7.9	7.4	7.4	7.3	7.5	7.6	7.5	6.5	6.6	6.6	6.4	6.4	6.4	80
85	4.6	4.9	5.1	8.4	8	7.8	7.7	7.5	7.3	8.1	7.8	7.6	7.3	7.2	7.1	7.4	7.4	7.3	6.5	6.6	6.6	6.3	6.4	6.4	85
90	4.2	4.5	4.8	8.1	7.8	7.6	7.5	7.2	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.1	6.5	6.6	6.6	6.3	6.4	6.4	90
95	3.8	4.1	4.3	7.8	7.5	7.3	7.3	7	6.9	7.7	7.4	7.2	7	6.8	6.7	7.2	7.1	7	6.5	6.5	6.5	6.3	6.3	6.3	95
100	3.4	3.7	3.8	7.6	7.2	7.1	7.1	6.8	6.7	7.4	7.1	7	6.9	6.6	6.5	7.1	6.9	6.8	6.4	6.3	6.3	6.3	6.2	6.2	100
105	3.1	3.3	3.3	7.3	7	6.9	6.9	6.6	6.5	7.2	6.9	6.8	6.7	6.5	6.4	7	6.7	6.6	6.4	6.2	6.1	6.2	6.1	6.1	105
110	2.8	2.9	3.3	7.1	6.8	6.7	6.7	6.4	6.3	7	6.7	6.6	6.5	6.3	6.2	6.8	6.5	6.4	6.2	6.1	6	6.1	6	5.9	110
115	2.6			6.8	6.6	6.5	6.4	6.2	6.1	6.8	6.5	6.4	6.3	6.1	6	6.6	6.4	6.3	6.1	5.9	5.9	6	5.9	5.8	115
120				6.6	6.4	6.3	6.3	6.1	6	6.6	6.3	6.2	6.1	6	5.9	6.4	6.2	6.1	5.9	5.8	5.7	5.9	5.7	5.7	120
125				6.4	6.2	6.1	6.1	5.9	5.8	6.4	6.2	6.1	6	5.8	5.7	6.2	6	5.9	5.8	5.6	5.6	5.7	5.6	5.5	125
130				6.2	6	5.9	5.9	5.7	5.6	6.2	6	5.9	5.8	5.7	5.6	6.1	5.9	5.8	5.6	5.5	5.5	5.6	5.5	5.4	130
135				6	5.8	5.8	5.7	5.6	5.5	6	5.8	5.8	5.7	5.5	5.5	5.9	5.7	5.7	5.5	5.4	5.3	5.5	5.3	5.3	135
140				5.9	5.7	5.6	5.5	5.4	5.4	5.9	5.7	5.6	5.5	5.4	5.3	5.8	5.6	5.5	5.4	5.3	5.2	5.4	5.2	5.2	140
145				5.7	5.5	5.5	5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.2	5.2	5.6	5.5	5.4	5.3	5.1	5.1	5.2	5.1	5.1	145
150				5.5	5.4	5.3	5.2	5.1	5.1	5.6	5.4	5.4	5.2	5.1	5.1	5.5	5.3	5.3	5.1	5	5	5.1	5	5	150
155				5.3	5.2	5.2	5	5	5	5.4	5.2	5.2	5	5	5	5.3	5.2	5.2	5	4.9	4.9	5	4.9	4.8	155
160				5.1	5.1	5.1	4.8	4.8	4.9	5.3	5.1	5.1	4.9	4.8	4.8	5.2	5.1	5.1	4.9	4.8	4.8	4.9	4.8	4.8	160
165				4.8	4.9	5	4.6	4.7	4.7	5.1	5	5	4.7	4.7	4.8	5	5	5	4.7	4.7	4.7	4.7	4.6	4.7	165
170				4.6	4.7	4.8	4.4	4.5	4.5	4.9	4.9	4.9	4.5	4.6	4.7	4.9	4.8	4.9	4.5	4.6	4.6	4.4	4.5	4.6	170
175				4.4	4.5	4.6	4.1	4.3	4.3	4.7	4.7	4.7	4.3	4.4	4.5	4.5	4.7	4.8	4.3	4.5	4.5	4.1	4.4	4.4	175
180				4.2	4.3	4.4	3.9	4	4.1	4.5	4.5	4.6	4.2	4.3	4.4	4.1	4.5	4.6	3.9	4.2	4.3	3.7	4.2	4.2	180
185				4	4.1	4.1	3.7	3.8	3.9	4.3	4.3	4.4	4	4.1	4.2	3.6	4.1	4.3	3.5	3.9	4.1	3.3	3.7	4	185
190				3.8	3.9	3.9	3.5	3.6	3.6	4	4.1	4.2	3.7	3.9	3.9	3.2	3.6	3.9	3	3.5	3.7	2.9	3.3	3.6	190
195				3.6	3.7	3.7	3.3	3.4	3.4	3.8	3.9	4	3.5	3.7	3.7	2.8	3.2	3.4	2.6	3	3.3	2.4	2.9	3.1	195
200				3.4	3.5		3	3.2	3.2	3.4	3.7	3.7	3.2	3.5	3.6	2.4	2.8	3	2.2	2.6	2.8	2	2.4	2.7	200
205				3.2	3.3		2.9	3		3	3.3	3.4	2.8	3.1	3.2	2	2.4	2.5	1.8	2.2	2.4		2	2.3	205
210				3.1	3.1		2.7	2.8		2.6	2.8		2.4	2.8	2.9		1.9	2.1					1.9		210
215				2.9	3		2.5	2.6		2.2	2.4		2	2.4	2.4										215
220				2.6	2.7		2.3	2.4		1.8	2				1.9										220
225				2.3			2.1	2.2																	225
230								1.9																	230

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# Lifting capacities Forces de levage

TVNZK



85%

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

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# Lifting capacities Forces de levage

TVNZK

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

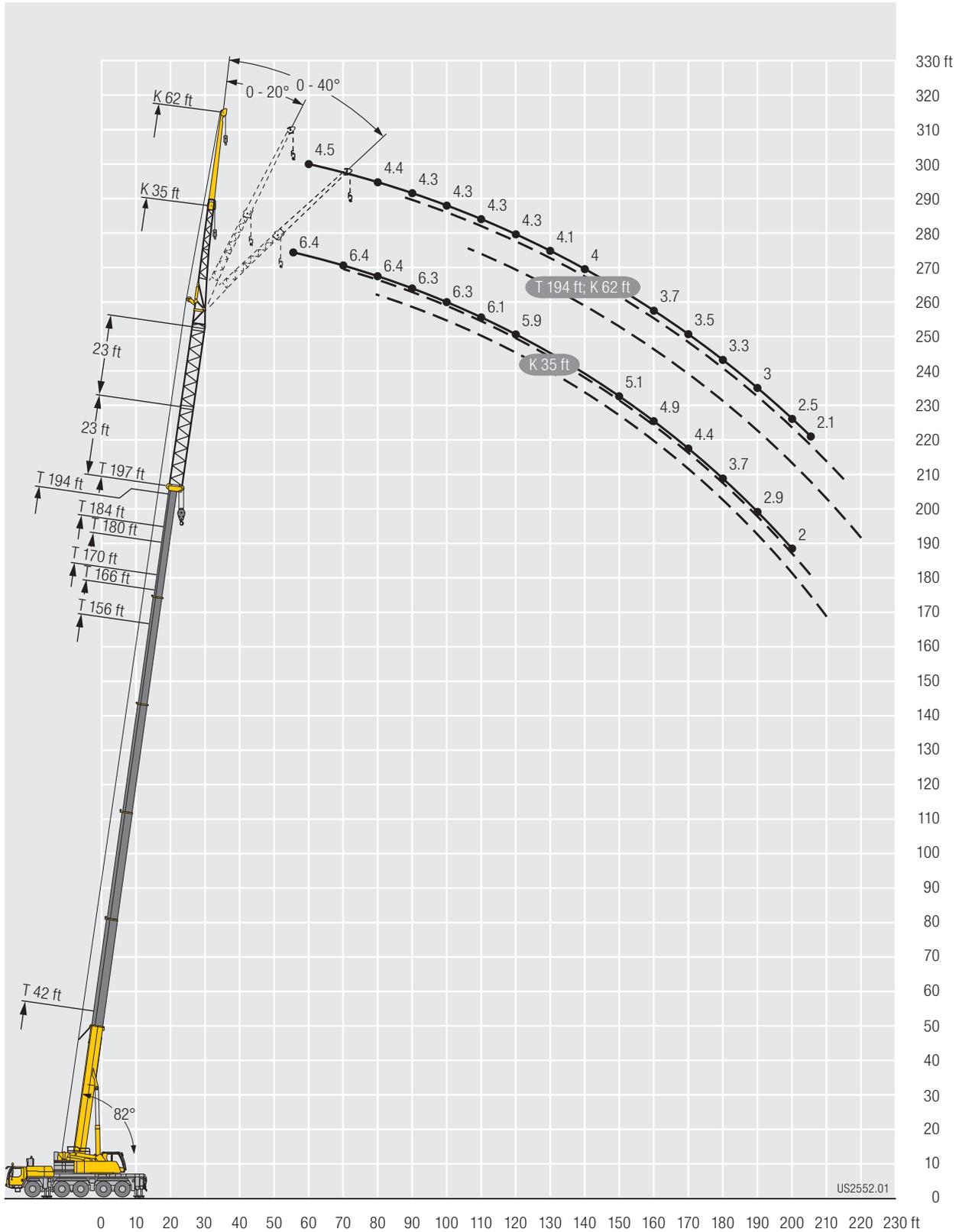
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	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft						
	62 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		0°	20°	40°
18	6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

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# Lifting heights Hauteurs de levage

TVNZK



# Lifting capacities Forces de levage

TK



85%

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

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# Lifting capacities Forces de levage

TK



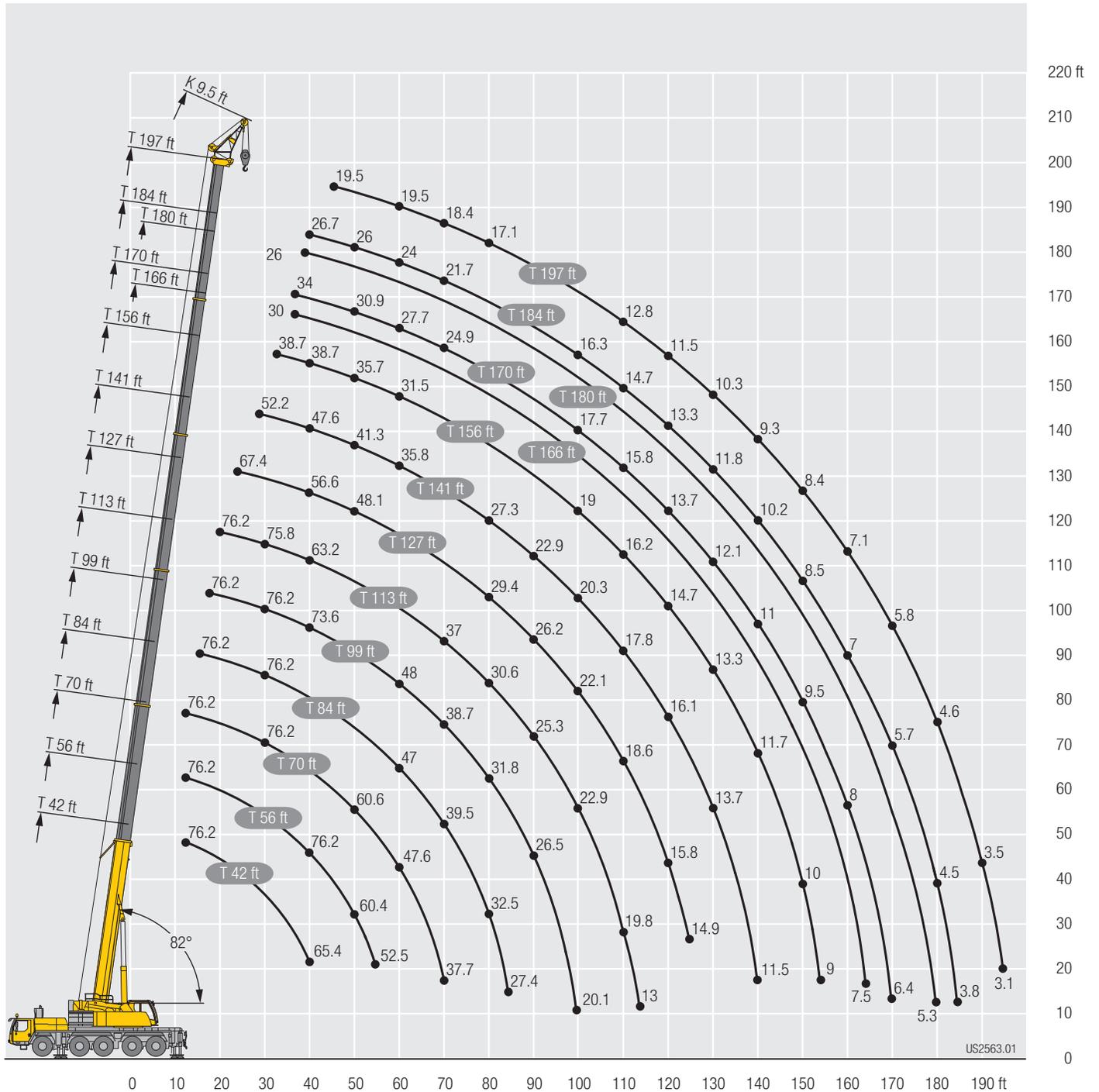
85%

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

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# Lifting heights Hauteurs de levage

TK



US2563.01

# Equipment Equipment

## Crane carrier

<b>Frame</b>	Liebherr designed and manufactured, box-type, torsion resistant design of high-tensile fine grained structural steel.
<b>Outriggers</b>	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
<b>Engine</b>	6-cylinder Diesel, make Liebherr, watercooled, output 400 kW (544 h.p.), max. torque 1856 lbs-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel reservoir: 127 gallons.
<b>Transmission</b>	ZF 12-speed gear box with automatic control system. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
<b>Axles</b>	Low maintenance carrier axles, all 5 axles steered. Axle 2, 4 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 4 with longitudinal differential lock.
<b>Cardan shaft</b>	All cardan shafts with 70° diagonal toothing and maintenance free.
<b>Suspension</b>	All axles are mounted on hydropneumatic suspension – “Niveumatik suspension” and are lockable hydraulically.
<b>Tyres</b>	10 tyres, size: 445/95 R 25 (16.00 R 25).
<b>Steering</b>	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
<b>Brakes</b>	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2nd to 5th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear.
<b>Driver's cab</b>	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

## Crane superstructure

<b>Frame</b>	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
<b>Crane engine</b>	4-cylinder Diesel, make Liebherr, watercooled, output 129 kW (175 h.p.), max. torque 908 lbs-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel reservoir: 66 gallons.
<b>Crane drive</b>	Diesel hydraulic, with 2 axial piston variable displacement pumps, with servo control and capacity control, 1 double gear pump, open controlled oil circuits.
<b>Control</b>	Electric “Load Sensing” control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
<b>Hoist gear</b>	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
<b>Luffing gear</b>	1 differential ram with pilot controlled brake valve.
<b>Slewing gear</b>	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as a standard feature.
<b>Crane cab</b>	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.

<b>Safety devices</b>	LICCON2 safe load indicator, test system hoist limit switch, safety valves to prevent pipe and hose ruptures.
<b>Telescopic boom</b>	1 base section and 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom length: 42 ft – 197 ft.
<b>Counterweight</b>	64,600 lbs
<b>Electrical system</b>	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

## Operating modes

<b>K</b>	Erection jib 9.5 ft Double swing-away jib 35 ft – 62 ft Adjustment 0°, 20°, 40°
<b>NZK</b>	Hydraulically adjustable swing-away jib 35 ft – 62 ft Hydraulically adjustment 0° – 40°
<b>V</b>	Telescopic boom extension 2 x 23 ft

## Additional equipment

<b>2<sup>nd</sup> hoist gear</b>	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
<b>Additional counterweight</b>	28,000 lbs for a total counterweight of 92,600 lbs.
<b>Tyres</b>	10 tyres, size and 525/80 R 25 (20.5 R 25).
<b>Drive 10 x 8</b>	Additional drive of the 1st axle.
<b>Lift cab</b>	Telescopic crane cab offers best visibility and high safety. Eye level 26.6 ft.

Other items of equipment available on request.

The pictures contain also accessories and special equipment not included in the standard scope of delivery.

# Equipment Équipement

## Châssis porteur

<b>Cadre</b>	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
<b>Calage</b>	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
<b>Moteur</b>	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 400 kW (544 ch), couple max. 1856 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG, EPA/CARB, ECE-R.96. Capacité du réservoir à carburant: 127 gallons.
<b>Boîte de vitesse</b>	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.
<b>Essieux</b>	Essieux nécessitant peu d'entretien, les 5 essieux sont directeurs. Les essieux 2, 4 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 4 avec différentiel longitudinal.
<b>Arbres articulés</b>	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
<b>Suspension</b>	Suspension hydropneumatique «Niveumatik» – sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
<b>Pneumatiques</b>	10 pneus de taille: 445/95 R 25 (16.00 R 25).
<b>Direction</b>	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
<b>Freins</b>	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus: frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur hydrodynamique accouplé à la boîte de vitesses.
<b>Cabine</b>	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune.

## Partie tournante

<b>Cadre</b>	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
<b>Moteur</b>	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: 66 gallons.
<b>Entraînement</b>	Diesel hydraulique avec 2 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés.
<b>Commande</b>	Direction électrique «Load Sensing», 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.

<b>Mécanisme de levage</b>	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
<b>Mécanisme de relevage</b>	1 vérin différentiel avec clapet de frein commandé.
<b>Dispositif de rotation</b>	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort. Orientation de série commutable en circuit hydraulique ouvert ou fermé (freinage automatique ou au pied).
<b>Cabine de grue</b>	Large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de 20° vers l'arrière.
<b>Dispositif de sécurité</b>	Contrôleur de charge «LICCON2», système test limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
<b>Flèche télescopique</b>	1 élément de base et 5 éléments télescopiques. Tous les éléments télescopiques indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 42 ft – 197 ft.
<b>Contrepoids</b>	64,600 lbs
<b>Installation électrique</b>	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

## Modes de fonctionnement

<b>K</b>	Fléchette de montage 9.5 ft Double fléchette pliante 35 ft – 62 ft Positionnement à 0°, 20°, 40°
<b>NZK</b>	Fléchette pliante à positionnement hydraulique 35 ft – 62 ft Positionnement hydraulique à 0° – 40°
<b>V</b>	Rallonge flèche télescopique 2 x 23 ft

## Équipement supplémentaire

<b>2ème mécanisme de levage</b>	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
<b>Contrepoids additionnel</b>	28,000 lbs pour un contrepoids total de 92,600 lbs.
<b>Pneumatiques</b>	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
<b>Entraînement 10 x 8</b>	Essieu 1 est entraîné additionnellement.
<b>Cabine élévatrice</b>	La cabine de grue télescopable offre un meilleur champ de vision et une sécurité accrue, hauteur des yeux 26.6 ft.

### Autres équipements supplémentaires sur demande.

Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

# 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



Max. lifting capacity  
Capacité max.



Boom length  
Longueur de la flèche



Transmission  
Boîte de vitesse



Boom position  
Position de la flèche



Gear  
Vitesse



Counterweight  
Contrepoids



Hookblock / Capacity  
Moufle à crochet / Capacité de charge



Tyres  
Pneumatiques



Hoist gear  
Treuil de levage



Slewing gear / Working area  
Mécanisme d'orientation / Plage de travail



Crane carrier  
Châssis porteur



Standard  
Norme



Crane superstructure  
Partie tournante de la grue



Driving speed  
Vitesse de translation



Gradability  
Aptitude à gravir les pentes

## Crane specific symbols/Symboles spécifiques à la grue



Telescopic boom  
Flèche télescopique



Hydraulic swing away jib  
Fléchette pliante hydraulique



Swing away jib  
Fléchette pliante



Erection jib  
Fléchette de montage



Telescopic boom extension  
Rallonge flèche télescopique

## 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 m<sup>2</sup> per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks 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 182,100 lbs/242,500 lbs only with additional pulley block.
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 m<sup>2</sup> par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les 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 déployable déposée.
7. Forces de levage plus de 182,100 lbs/242,500 lbs seulement avec moufle additionnel.
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.



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