

Mobile Crane/Grue mobile **LTM 1110-5.1**

MAXIM
1-877-MAX-LIFT

Prepared for every task



125 USt



197 ft



217 ft



299 ft



LIEBHERR

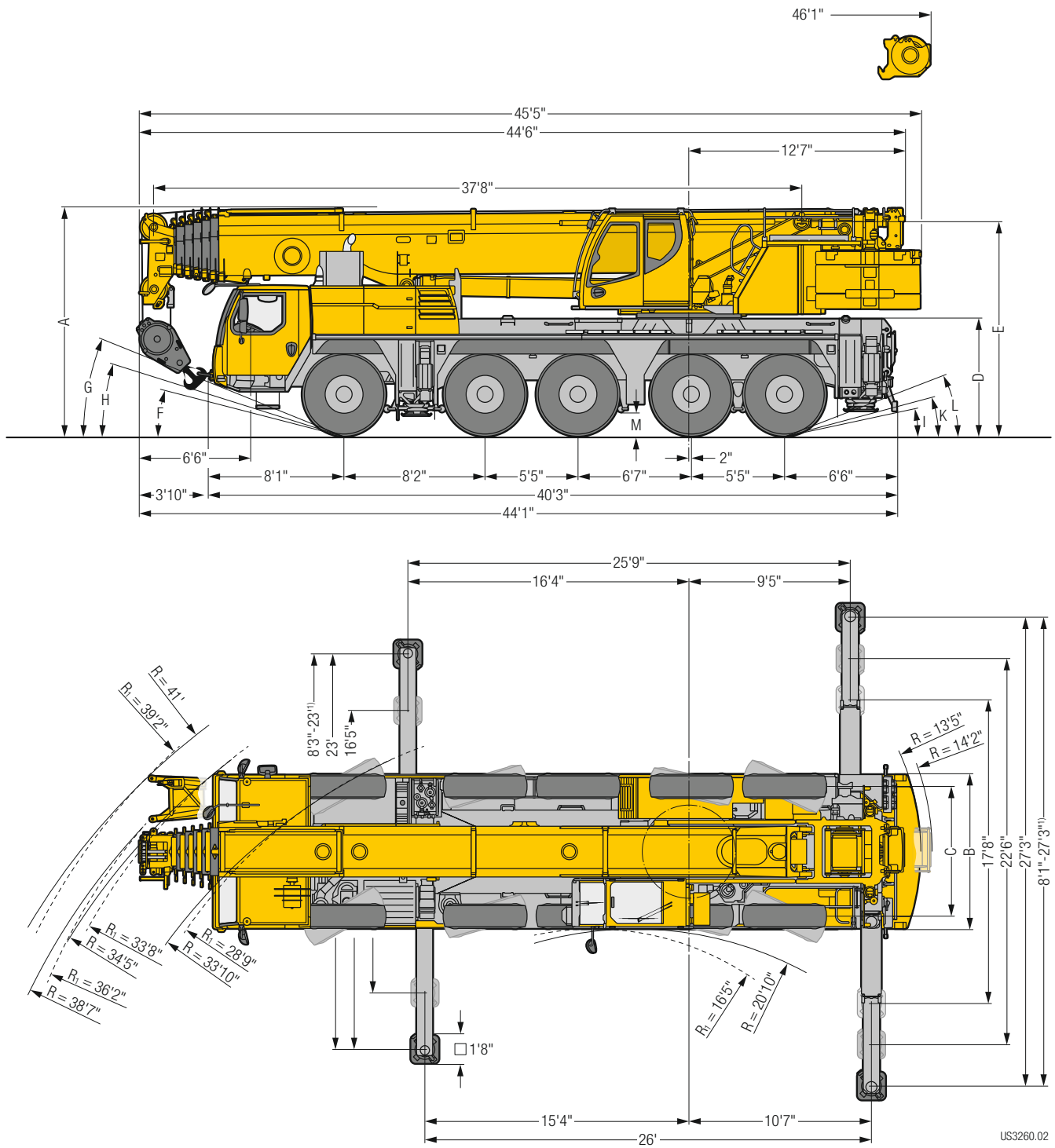
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Dimensions Encombrement



US3260.02

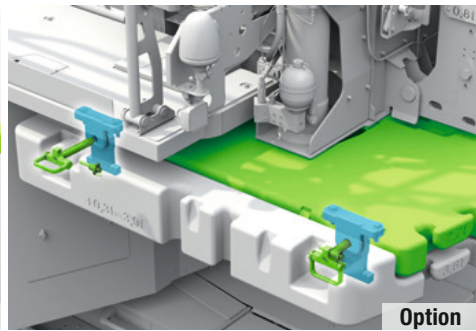
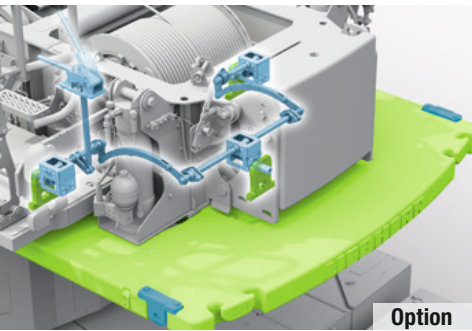
R₁ = All-wheel steering · Direction toutes roues

¹⁾ only with VarioBase® · seulement avec VarioBase®

Dimensions/Encombrement

	A	A 5"*	B	C	D	E	F	G	H	I	K	L	M
445/95 R 25 (16.00 R 25)	13'1"	12'9"	9'	7'7"	6'9"	12'4"	14°	23°	17°	12°	15°	21°	385
525/80 R 25 (20.5 R 25)	13'1"	12'9"	9'4"	7'7"	6'9"	12'4"	14°	23°	17°	12°	15°	21°	385

* lowered · abaissé



Counterweight / Contrepoids

Fast changing system for various driving situations
Système de changement rapide pour les configurations de conduite les plus diverses



Fuel saving and noise reduction

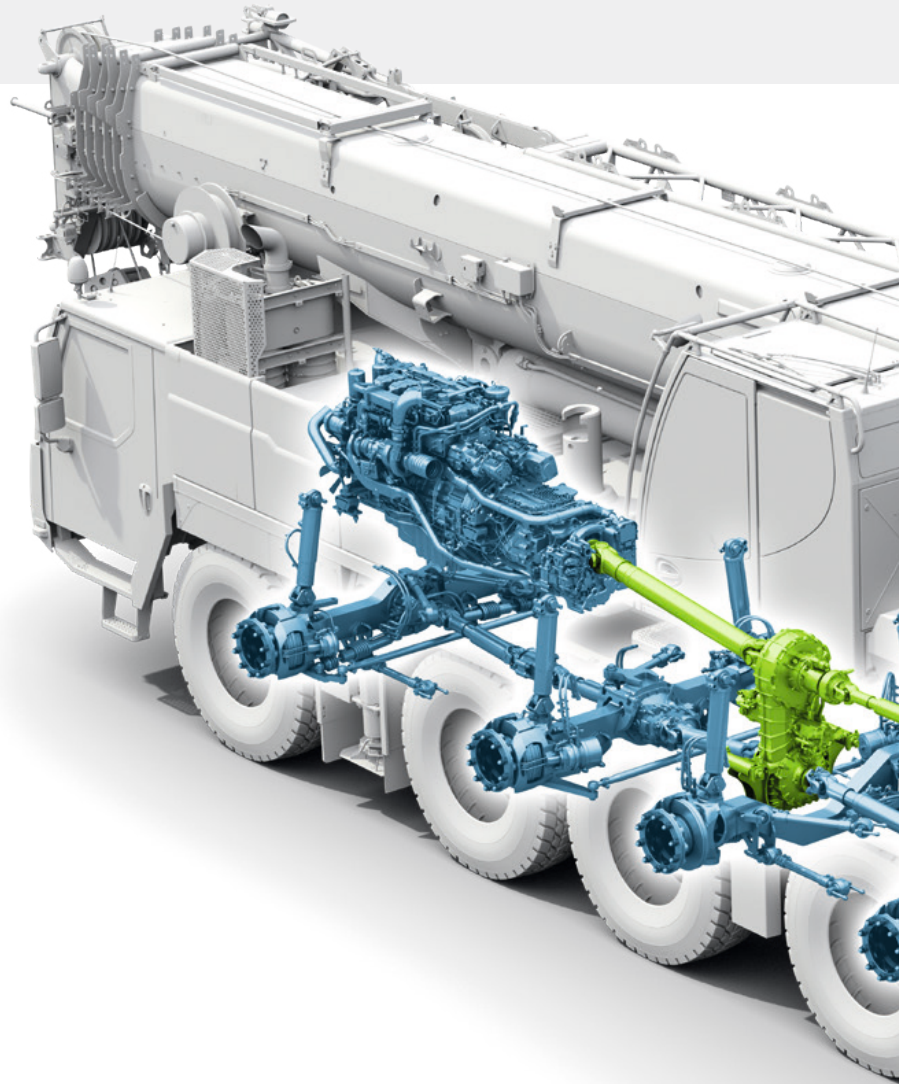
Economie de carburant et réduction du bruit

Liebherr-6-cylinder engine
400 kW / 544 h.p.

€COdrive

Driving strategy in the carrier with ECO- or Powermode to reduce noise and fuel

L'adaptation du mode de déplacement avec le mode ECO ou le mode Puissance permet de réduire le niveau sonore et la consommation de carburant



Innovative One-Engine-Concept

- Drive from chassis engine via a mechanical shaft with special high efficiency factor
- Increased effectiveness and reduced maintenance expenditure

Concept innovant à moteur unique

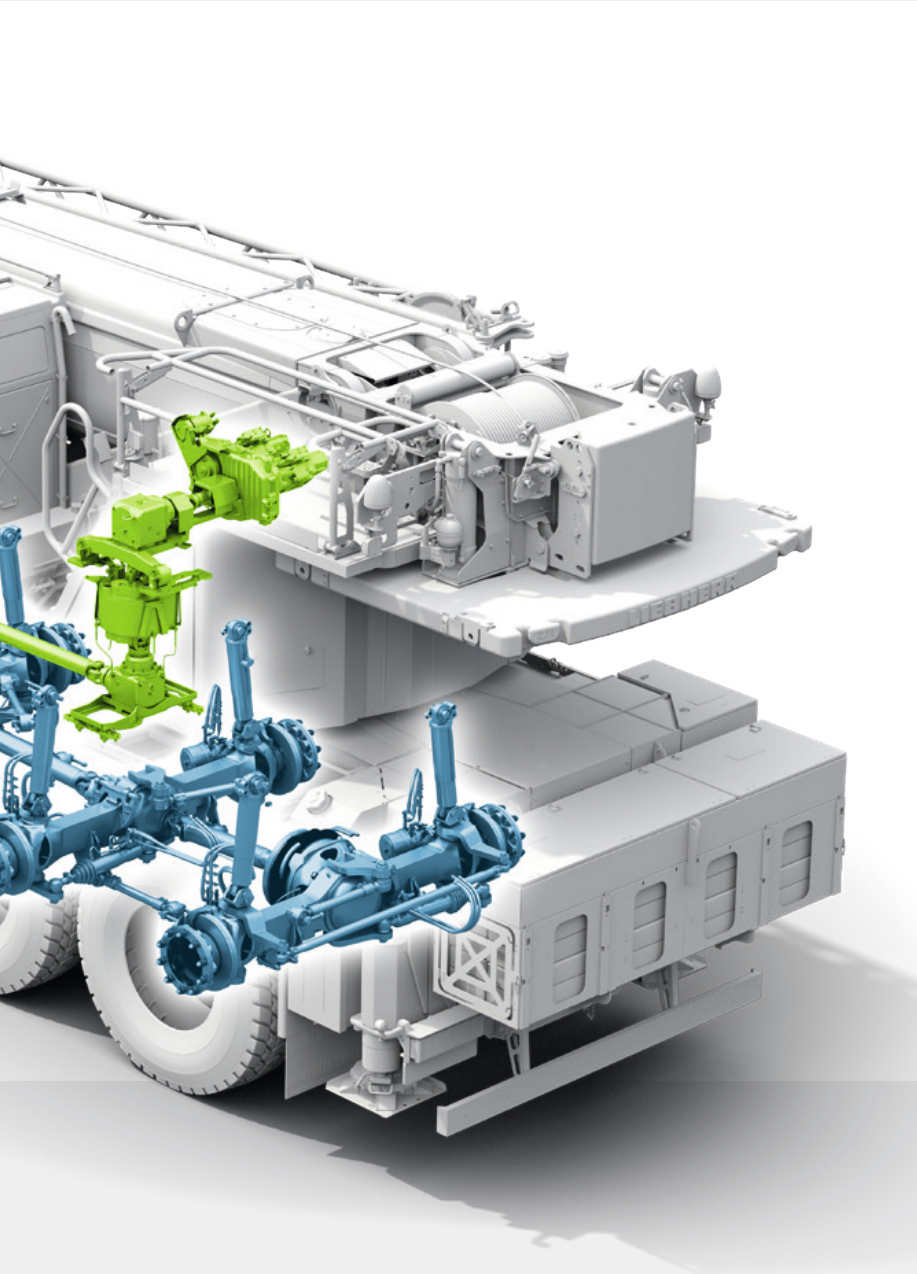
- Entraînement du moteur du châssis par le biais d'un arbre mécanique particulièrement performant
- Rentabilité accrue et entretien nettement réduit

ZF-TraXon

Automated shift gearbox,
12 forward gears, 2 reverse gears

ZF-TraXon

Boîte de vitesses automatisée,
12 vitesses avant, 2 vitesses arrière

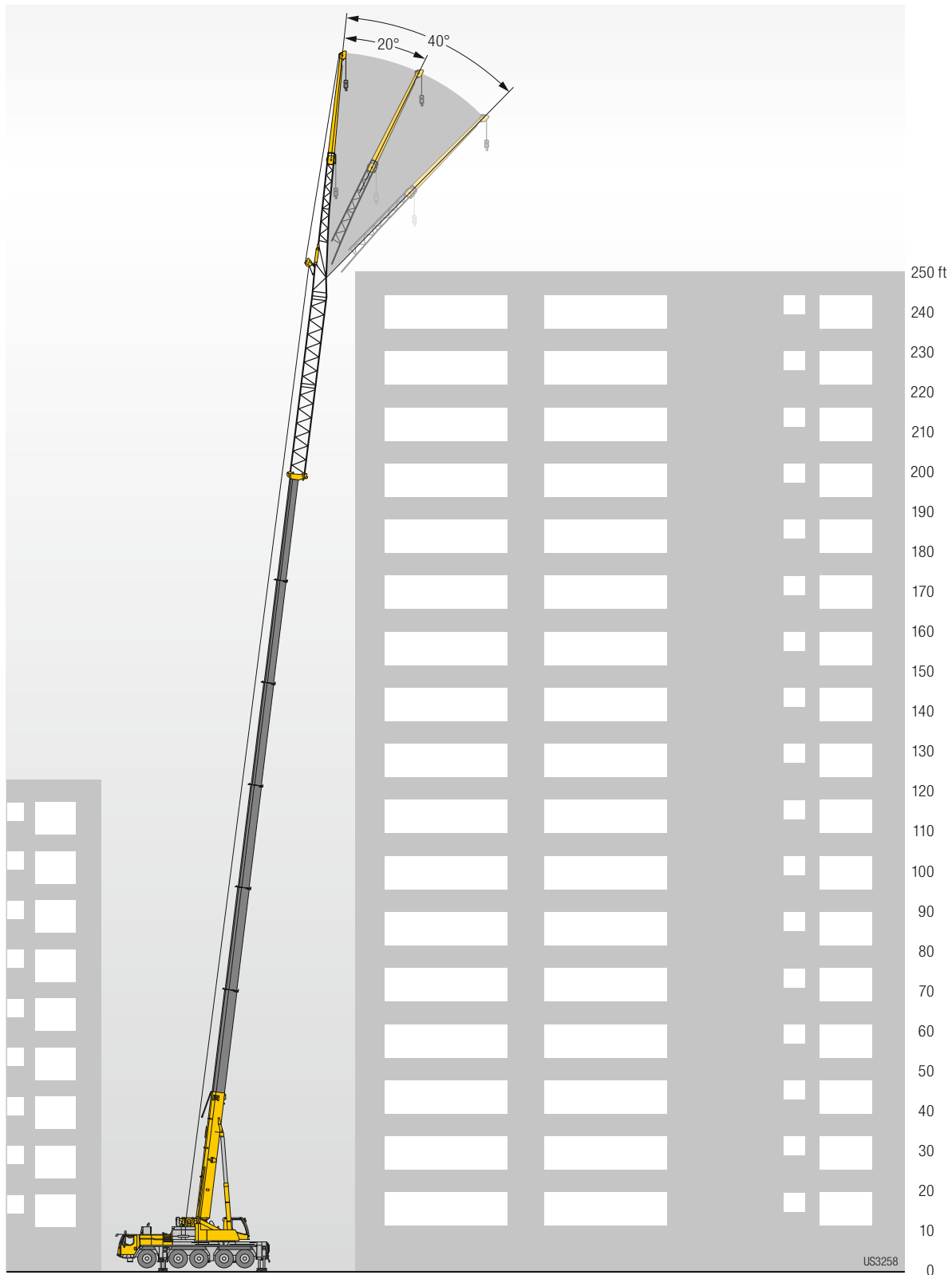


€COmode

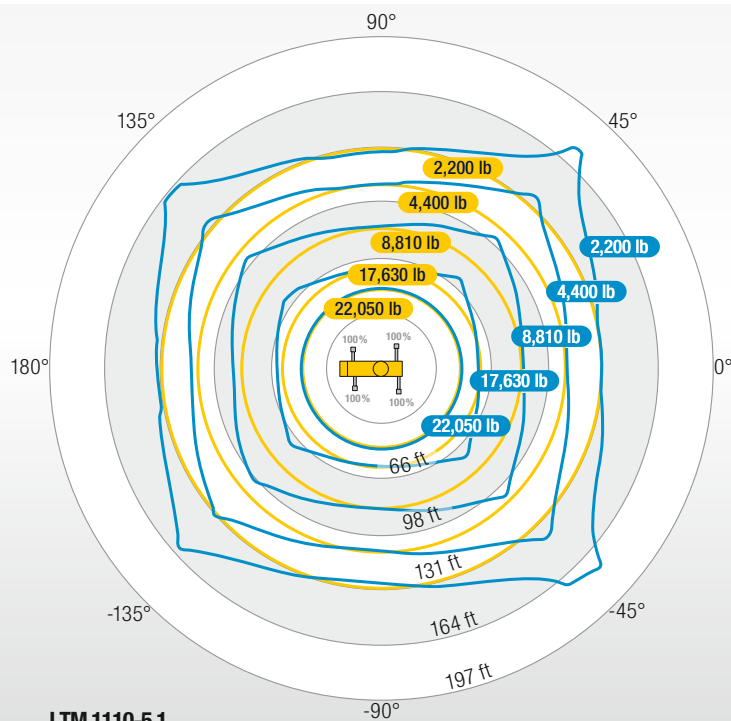
Reduced fuel consumption due to automatic disengaging of the complete pump drive at engine idling with automatic speed adjustment

Réduction de la consommation de carburant par désengagement automatique de l'entraînement complet de la pompe en mode ralenti avec adaptation automatique du régime

Hydraulic swing away jib Flèche pliante hydraulique

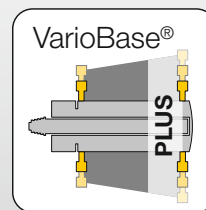


VarioBase® Plus



Greater safety in constricted working conditions
Plus de sécurité dans les zones de travail étroites

Higher lifting capacity and larger working range
Une capacité plus importante et une zone de travail plus large



LTM 1110-5.1

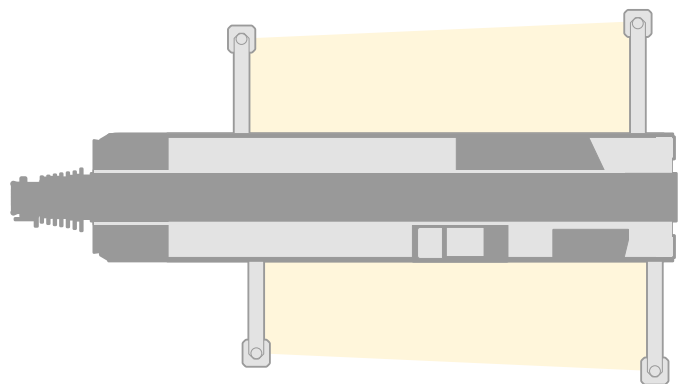


Greater safety

The maximum lifting capacities are calculated individually and precisely for every situation. This ensures safe working practice with any chosen support base.

Sécurité accrue

Les charges autorisées sont calculées individuellement et en fonction de la situation actuelle. Les opérations sont ainsi sécurisées avec chaque base de calage au choix.



Weights Poids



Hook block / Moufles à crochet

181,200 lb	7	12	2,750 lb
167,300 lb	5	10	2,000 lb
109,550 lb	3	7	1,550 lb
48,500 lb	1	3	1,000 lb
16,300 lb	–	1	550 lb

Working speeds Vitesses

Crane carrier / Châssis porteur

	min. MPH.	max. MAXC.	%
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0.3	53	56,5 %

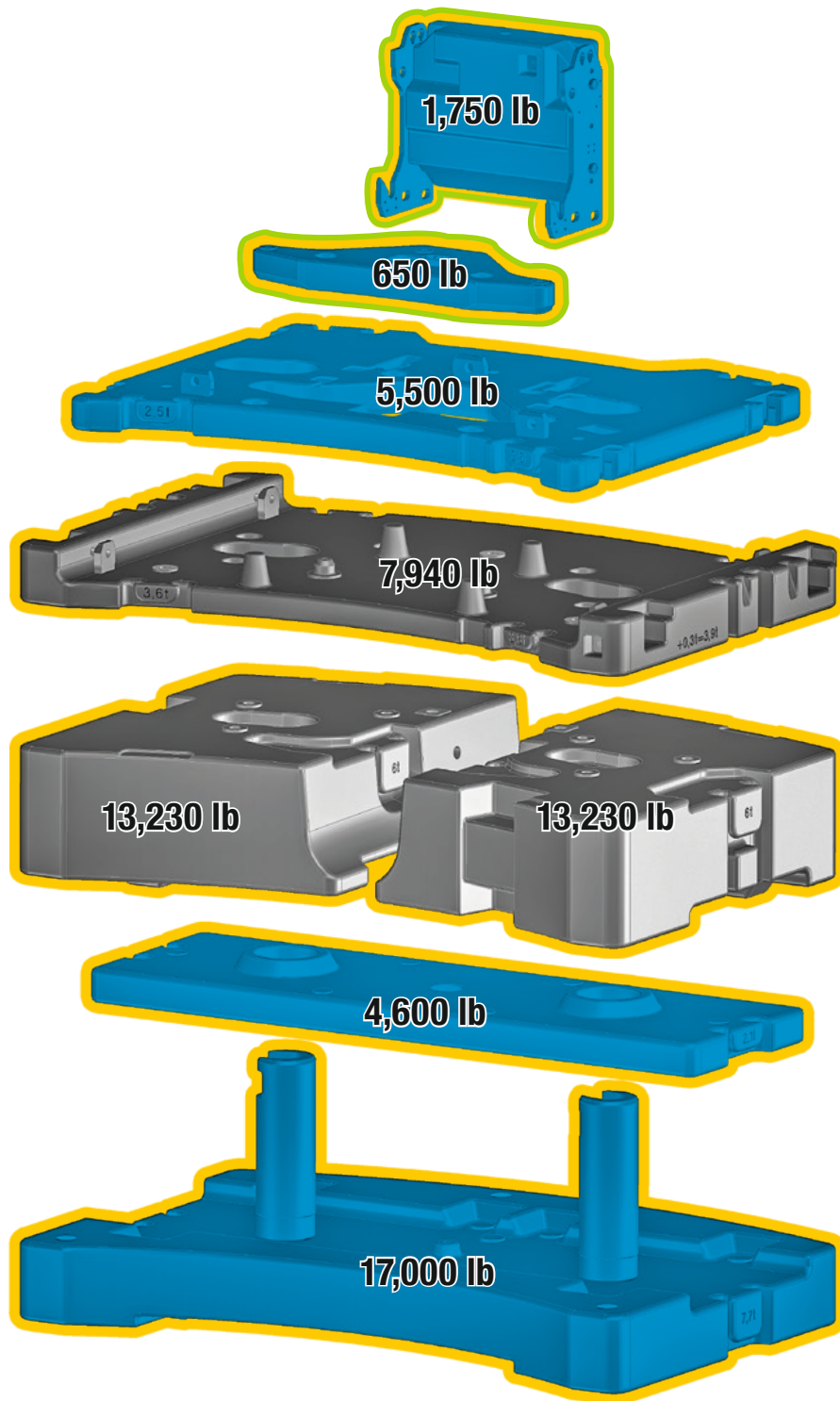
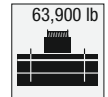
Theoretical gradeability / Aptitude théorique en pente

	12 / R2
	4 / R2

Crane superstructure / Partie tournante

	max			F
	0 – 410 ft/min single line ft/min au brin simple	0.74"	820 ft	16,635 lb
	0 – 410 ft/min single line ft/min au brin simple	0.74"	820 ft	16,635 lb
	0 – 1,5 rpm			
	approx. 45 seconds to reach 83° boom angle env. 45 s jusqu'à 83°			
	approx. 419 seconds for boom extension from 38 ft – 197 ft env. 419 s pour passer de 38 ft – 197 ft			

Counterweight Contrepoids



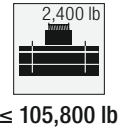
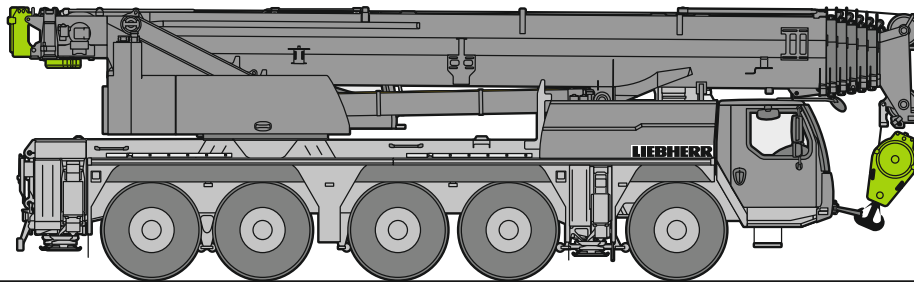
— 22,050 lb axle load
22,050 lb de charge par essieu

— 26,400 lb axle load
26,400 lb de charge par essieu

— Technically transportable
Transport techniquement simplifié

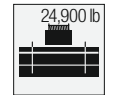
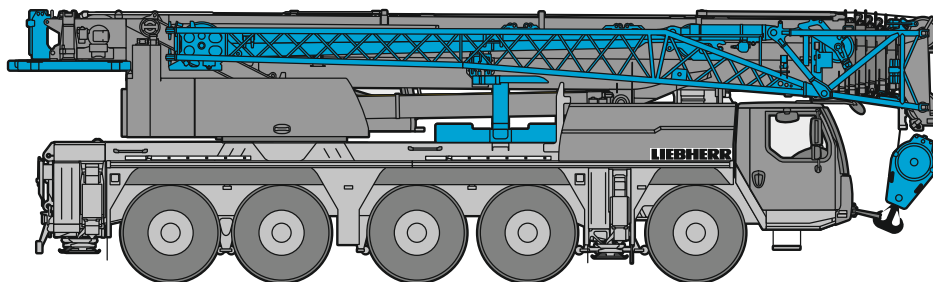
On-road driving

Déplacement sur route



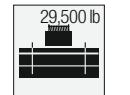
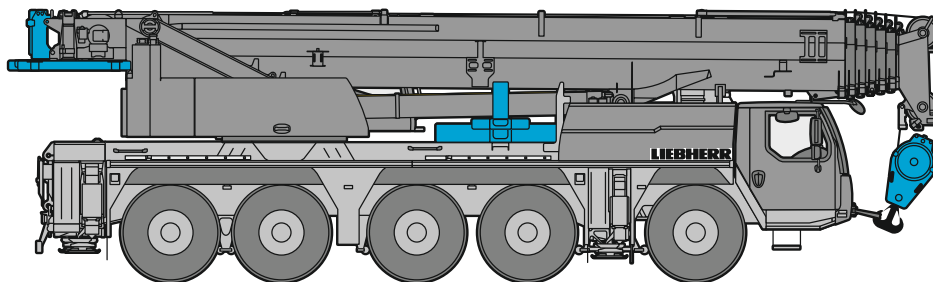
≤ 105,800 lb

≤ 22,000 lb ≤ 22,000 lb ≤ 22,000 lb ≤ 22,000 lb ≤ 22,000 lb



≤ 132,000 lb

≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb

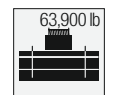
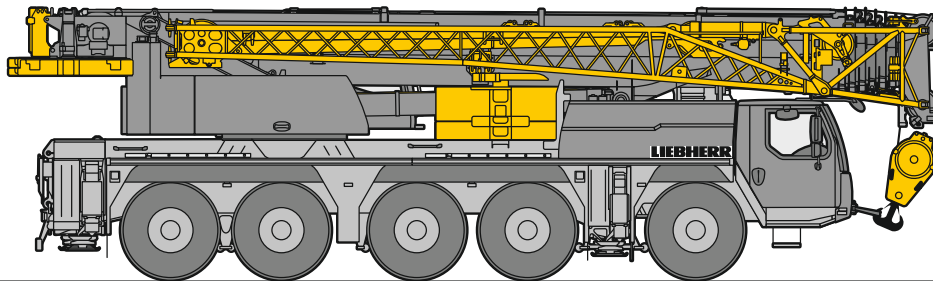


≤ 132,000 lb

≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb ≤ 26,400 lb

Jobsite driving

Déplacement sur chantier



≤ 176,500 lb

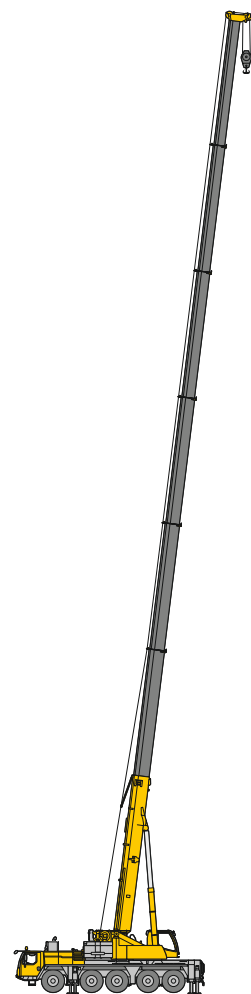
≤ 35,300 lb ≤ 35,300 lb ≤ 35,300 lb ≤ 35,300 lb ≤ 35,300 lb

US3271.02

Boom/jib combinations

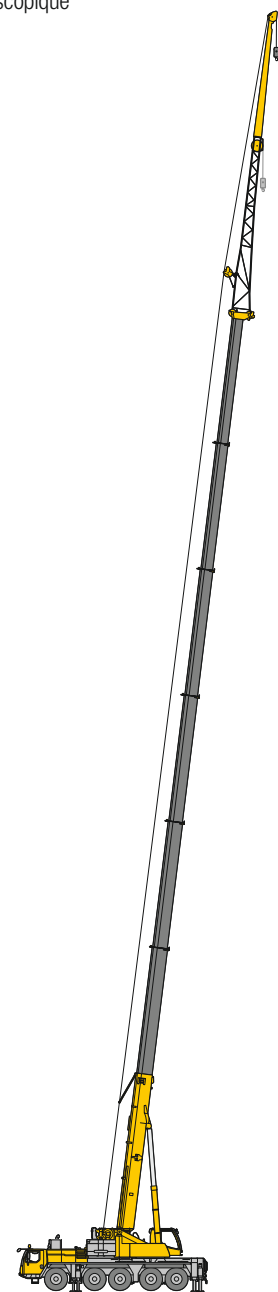
Configurations de flèche

- T** Telescopic boom / Flèche télescopique
- K/NZK** Mechanical/hydraulic swing away jib
Fléchette pliante mécanique/hydraulique
- V** Telescopic boom extension
Rallonge de flèche télescopique
- K** Assembly jib
Fléchette de montage



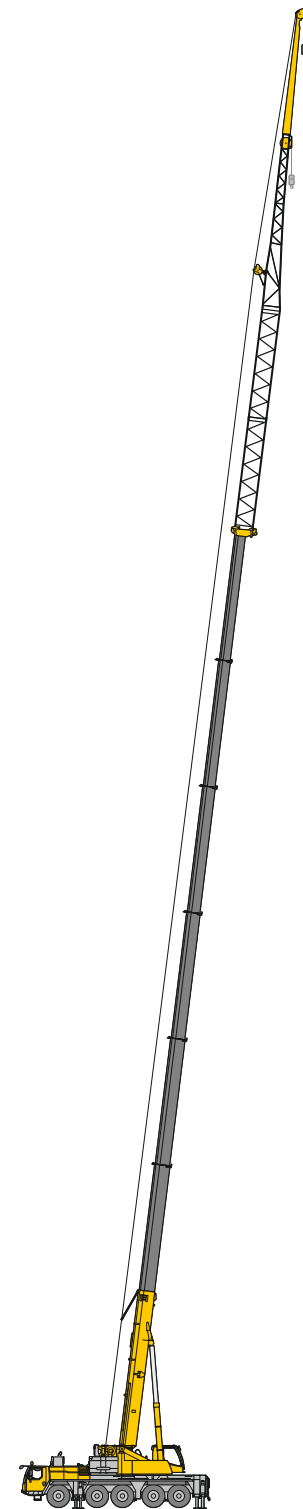
T

14 – 25



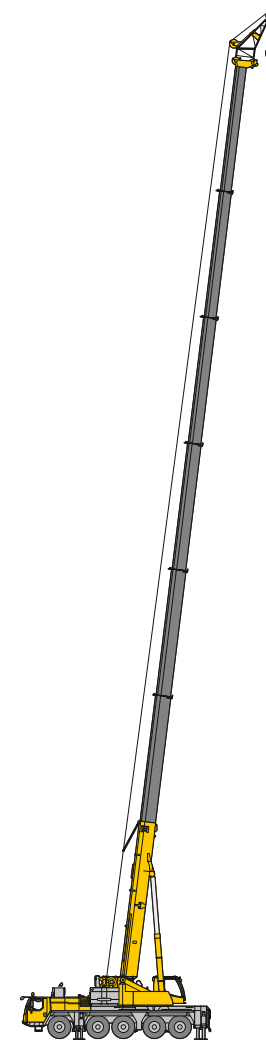
TK/TNZK

26 – 32



TVK/TVNZK

33 – 46



TK

47 – 48

S3259



Lifting capacities

Forces de levage

T



85%

	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197				
	ft																										
10	242.5	153.2	150.2	148.5	146.5	128.6																			10		
11	239.7	153.2	151	149.2	147.1	131.8																				11	
12	194.7	153.2	151.4	150	147.5	132.8																				12	
13	183.8	153.2	151.8	150.8	146.9	132.9	111.4																			13	
14	177.1	153.2	152.2	151.7	146.9	132.6	111.9																			14	
15	170.9	153.2	152.1	151.3	147.5	131.9	111.6	90.1																		15	
16	165	149.6	148.5	147.6	145.7	131.4	111.3	90.4																		16	
17	159.5	142.5	141.2	140.3	139.3	130.6	110.6	90.3	71																	17	
18	154.3	134.9	133.7	132.6	132.2	128.3	109.4	90	70.8																	18	
19	149.4	127.8	126.5	125.7	125.6	122.6	107.9	89.3	70.2	62																19	
20	144.7	121.2	121.9	122.1	119.1	116.9	105.6	88.5	69.6	61.3	56.4															20	
22	132.2	109	110.2	111.5	111.4	108.1	100.4	86.9	67.7	59.9	55.6	51.3	45													22	
24	119.5	98.7	100.5	101.3	101.5	99.1	95.1	83.9	66	58.6	54.6	50.3	44.7	40.1												24	
26	108.4	89.9	91.8	92.6	92.8	91.8	89	80.4	64.1	57.1	53.6	49.3	44.1	39.9	36.9											26	
28	99.4	82.4	84.3	85.1	85.3	85.9	83.6	76.9	62.2	55.7	52.6	48.2	43.5	39.7	36.8	25.5	29									28	
30	85.4	76	78.2	78.6	79.5	79.8	77.8	73.6	60.3	54	51.5	47.1	42.7	39.3	36.6	25.3	29.1	23.8	22.2	23.5						30	
32			72.5	72.8	74.1	73.9	72.7	69.9	58.2	52	50.3	46	42	38.9	36.3	25.1	29	23.7	22.1	23.5	21.1	20.1	19.6	19		32	
34			67.2	67.6	68.9	68.8	67.8	65.6	56.2	50.1	49.1	44.9	41.1	38.3	36	24.8	28.9	23.5	22	23.4	21	20	19.4	18.9		34	
36			62.5	62.8	64.1	64.1	63.4	61.5	54.3	48.2	47.8	43.7	40.2	37.7	35.5	24.5	28.7	23.2	21.8	23.2	20.9	19.9	19.3	18.9		36	
38			58.3	59.7	60	59.9	59.3	57.4	52.5	46.4	46.4	42.7	39.3	36.9	35	24.1	28.5	23	21.6	23.1	20.7	19.8	19.2	18.8		38	
40			54.3	55.8	56.1	56	55.3	53.9	50.4	44.9	45.1	41.5	38.4	36	34.4	23.7	28.2	22.7	21.4	22.9	20.6	19.7	19.1	18.7		40	
45				47.3	47.7	47.5	46.9	46.2	44.6	41.3	42	38.7	36	33.5	32.6	22.5	27.4	21.9	20.9	22.3	20.1	19.3	18.8	18.4		45	
50				40.7	41.1	40.9	40.3	39.6	40.3	37.7	38.3	36	33.6	31.1	30.5	21.2	26.4	21	20.2	21.6	19.6	18.9	18.4	18		50	
55				35.6	35.9	35.6	35	36	35.2	34.3	33.9	33	31.3	29.1	28.5	20	25.1	20.1	19.3	20.9	19	18.4	18	17.6		55	
60					32	31.3	31.8	31.8	30.9	30.5	29.9	29.3	28.9	27	26.7	18.9	23.7	19.2	18.4	20	18.4	17.8	17.5	17.2		60	
65					28.4	27.8	28.7	28.2	27.2	26.7	27.1	25.7	26.3	24.9	24.9	17.8	22.3	18.4	17.6	19.1	17.7	17.1	16.8	16.5		65	
70						25.5	25.7	25.1	24.3	23.5	24.2	22.5	23.6	22.4	22.5	16.8	21	17.5	16.7	18.3	17	16.4	16.1	15.7		70	
75						23.4	23.1	22.4	22.4	20.7	21.8	19.8	20.9	19.7	20.6	15.8	19.6	16.6	15.9	17.4	16.3	15.7	15.3	14.9		75	
80							20.8	20	20.1	18.4	19.4	17.5	19.2	17.4	18.6	14.9	17.9	15.7	15	16.6	15.6	15	14.6	14.1		80	
85							18.8	18.1	18.1	16.4	17.6	15.4	17.4	15.4	16.6	14.1	15.9	15	14.3	15.6	14.9	14.3	13.9	13.3		85	
90							17.2	17.2	16.3	14.6	16.5	13.7	15.7	13.6	14.8	13.4	14.9	14.3	13.6	14.1	14	13.6	13.2	12.5		90	
95								15.8	14.7	13.5	15	12.1	14.1	12.9	13.9	12.7	13.5	13.4	12.9	12.6	12.7	12.7	12.4	11.8		95	
100								14.5	13.7	12.8	13.6	11.2	12.7	12.2	12.7	12	12.1	12.2	12.1	11.3	11.4	11.3	11.2	11		100	
105									13	12.2	12.4	10.6	12	11.6	11.5	11.3	10.9	10.9	10.8	10.1	10.2	10.1	10	10		105	
110									12	11.7	11.3	10.1	10.9	11	10.3	10.4	9.8	9.9	9.8	9.2	9.3	9.2	9.2	9.1		110	
115									11.1	11.1	10.3	9.6	10	10.2	9.5	9.5	9	9.1	9	8.4	8.4	8.4	8.4	8.3		115	
120										10.3	9.5	9.2	9.3	9.4	8.8	8.8	8.3	8.4	8.3	7.6	7.7	7.7	7.6	7.5		120	
125											8.9	8.9	8.6	8.7	8.1	8.1	7.6	7.7	7.6	7	7.1	7	7	6.9		125	
130												8.5	8	8.1	7.5	7.5	7	7.1	7	6.4	6.5	6.4	6.4	6.3		130	
135													7.5	7.6	6.9	7	6.4	6.5	6.4	5.8	5.9	5.9	5.8	5.7		135	
140														7.1	7.1	6.4	6.5	5.9	6	5.9	5.3	5.4	5.4	5.2		140	
145															6.6	6	6	5.5	5.5	4.8	4.9	4.9	4.8	4.8		145	
150																5.6	5.6	5.1	5.1	5	4.4	4.5	4.5	4.4	4.3		150
155																	5.2	4.7	4.7	4.6	4	4.1	4.1	4	3.9		155
160																		4.9	4.3	4.4	4.3	3.6	3.7	3.6	3.5		160
165																			2.8	4	3.9	3.2	3.3	3.2	3.2		165
170																				3.6	3.5	2.8	2.9	2.9	2.8		170
175																					3.2	2.4	2.5	2.5	2.4		175
180																						2.2	2.2	2	1.6		180

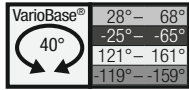
* ± 0° over rear - en arriere

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Lifting capacities

Forces de levage

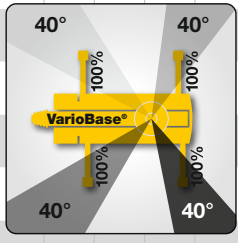
T



85%



	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197			
	ft																									
10	153.2	150.1	148.6	146.6	128.5																				10	
11	153.2	151	149.3	147	131.8																				11	
12	153.2	151.5	149.9	147.5	132.7																				12	
13	153.2	151.7	150.8	147	132.9	111.3																			13	
14	153.2	152.1	151.7	146.8	132.5	111.8																			14	
15	153.2	152.6	151.2	147.5	131.8	111.6	90.2																		15	
16	149.3	148.1	147	145.1	131.4	111.3	90.4																		16	
17	142.4	141.1	139.8	137.8	130.5	110.7	90.2	71																	17	
18	135.6	134	133.4	131.4	128.3	109.3	89.9	70.8																	18	
19	128.5	127.6	126.5	125	122.1	107.8	89.5	70.1	62.2																19	
20	121.9	123.2	123.7	118.8	116.6	105.6	88.4	69.4	61.3	56.4															20	
22	109.1	110.7	112.2	110.9	107.4	100.3	87.1	67.7	60	55.6	51.4	45													22	
24	99	100.8	101.6	101.4	98.5	94.8	84	65.9	58.6	54.7	50.5	44.8	40.1												24	
26	89.9	91.9	92.8	92.8	91.7	89.3	80.2	64.2	57.1	53.6	49.4	44.1	39.9	36.8											26	
28	82.2	84.2	85.3	85.3	85.3	82.7	76.7	62.2	55.6	52.7	48.3	43.4	39.7	36.8	25.6	29.1									28	
30	75.8	78.5	78.7	80	79.4	76.9	73.4	60.2	54	51.6	47.2	42.8	39.2	36.6	25.4	29.1	23.8	22.3	23.6						30	
32		72.5	72.8	74.1	73.9	71.9	69.2	58.4	52	50.3	46.1	41.9	38.8	36.4	25.1	28.9	23.6	22	23.6	21.2	20.1	19.6	19		32	
34		67.5	67.7	69	69	66.8	64.6	56.2	50	48.9	44.8	41.2	38.4	35.9	24.9	28.9	23.6	22	23.4	20.9	20.1	19.4	19		34	
36		62.8	63.1	64.6	64.4	62.4	60.2	54.5	48.1	47.8	43.7	40.3	37.7	35.5	24.5	28.7	23.1	21.8	23.1	20.9	19.8	19.4	19		36	
38		58.4	59.7	60.2	60	58.6	56.7	52.5	46.5	46.5	42.8	39.2	36.8	35.1	24	28.4	22.9	21.6	23.1	20.7	19.8	19.2	18.7		38	
40		54.5	55.6	56.2	56	55.3	53.1	50.9	45	45	41.4	38.4	35.9	34.4	23.8	28.2	22.7	21.4	22.9	20.5	19.6	19.2	18.7		40	
45			47.8	48.3	48.3	47.4	45.9	44.5	41.2	42.1	38.6	35.9	33.5	32.6	22.5	27.3	21.8	20.9	22.3	20.1	19.4	18.7	18.3		45	
50			41.2	41.9	41.7	41	39.7	40.1	37.7	38.4	35.9	33.7	31.1	30.4	21.2	26.5	20.9	20.3	21.6	19.6	19	18.5	18.1		50	
55			36.4	36.8	36.6	35.9	36.2	35.3	34.4	33.7	33.1	31.3	29.1	28.4	20.1	25.1	20.1	19.4	20.9	19	18.3	17.9	17.6		55	
60				33.1	32.4	32	32.2	31.3	30.4	30	29.5	28.9	26.9	26.7	19	23.6	19.2	18.5	20.1	18.3	17.9	17.4	17.2		60	
65				29.5	28.9	29.3	28.7	27.8	27.1	27.3	26.2	26.2	25.1	24.9	17.9	22.3	18.3	17.6	19.2	17.6	17	16.8	16.5		65	
70					26	26.7	25.8	24.9	24.3	24.9	23.4	24.5	22.9	23.1	16.8	20.9	17.4	16.8	18.3	17	16.3	16.1	15.7		70	
75					24	24	23.4	22.7	21.6	22.3	20.9	21.6	20.5	20.7	15.7	19.6	16.8	15.9	17.4	16.3	15.7	15.4	15		75	
80						21.8	20.9	20.9	19.4	20.3	19	19.6	18.5	19.6	15	18.5	15.7	15	16.5	15.7	15	14.6	14.1		80	
85						20.1	19.2	19.2	17.6	18.3	17.2	18.3	16.8	17.9	14.1	17	15	14.3	15.7	15	14.3	13.9	13.2		85	
90						18.5	17.6	17.6	16.1	16.8	15.4	16.8	15.2	16.3	13.4	15.2	14.3	13.7	15	14.1	13.7	13.2	12.6		90	
95						16.5	16.1	14.8	15.7	14.1	15.4	13.9	15	12.8	14.6	13.7	13	13.9	13.4	13	12.3	11.7	11.7		95	
100							15.7	15	13.4	14.8	12.8	14.1	12.6	13.7	11.9	13.2	13	12.3	12.8	12.8	12.6	11.7	11		100	
105								13.7	12.3	13.7	11.7	13	11.7	12.6	11.5	12.1	12.3	11.7	11.5	11.7	11.7	11.2	10.6		105	
110								12.8	11.7	12.8	10.6	12.1	11	11.7	10.8	11	11.2	11	10.6	10.6	10.6	10.6	10.1		110	
115								11.9	11.2	11.9	9.7	11	10.4	10.6	10.1	10.1	10.4	10.1	9.7	9.7	9.7	9.7	9.5		115	
120									11	11	9.3	10.4	10.1	9.7	9.7	9.5	9.5	9.5	8.8	9	9	9	8.8		120	
125										10.1	8.8	9.9	9.7	9	9.3	8.6	8.8	8.8	8.2	8.4	8.4	8.2	8.2		125	
130											8.6	9.3	9	8.4	8.6	7.9	8.2	8.2	7.5	7.7	7.7	7.5	7.5		130	
135												8.6	8.4	7.7	7.9	7.5	7.5	7.5	6.8	7.1	7.1	7.1	6.8		135	
140												7.9	7.9	7.3	7.3	6.8	7.1	7.1	6.4	6.4	6.4	6.4	6.4		140	
145													7.3	6.8	6.8	6.4	6.4	6.4	5.7	6	6	5.7	5.7		145	
150														6.4	6.4	6	6.2	6	5.3	5.3	5.3	5.3	5.3		150	
155															6	5.3	5.5	5.5	4.9	4.9	4.9	4.9	4.6		155	
160																5.5	4.9	5.1	5.1	4.4	4.4	4.4	4.4		160	
165																	2.9	4.6	4.6	4	4.2	4	4		165	
170																		4.2	4.2	3.7	3.7	3.7	3.5		170	
175																			3.7	3.3	3.3	3.3	2.9		175	
180																					2.9	2.4	2	1.5		180



+6%

LTM_1110-5.1_Multi_0

Lifting capacities

Forces de levage

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85%

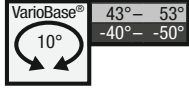
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11	153.2	151	149.2	147.1	131.8																				11
12	153.2	151.4	150	147.5	132.8																				12
13	153.2	151.8	150.8	146.9	132.9	111.4																			13
14	153.2	151.6	151.7	145.3	132	111.9																			14
15	146.9	144.2	143	140.5	130.8	111.6	90.1																		15
16	137.2	135.9	133.9	131.9	126.4	111	90.4																		16
17	128.3	126.7	125.7	124.2	119.3	108.3	90.3	71																	17
18	120.4	119.9	121.2	118.7	113.6	104.9	90	70.8																	18
19	113.3	114.5	115.1	113.6	107.6	100.7	88.7	70.2	62																19
20	106.9	108.2	109.4	105.9	101.7	95	87.2	69.6	61.3	56.4															20
22	95.3	97.4	98.2	95.1	89.7	84.2	78.8	67.7	59.9	55.6	51.3	45													22
24	85.3	87.9	87.1	84.8	80.1	75.3	70.8	65.6	58.6	54.6	50.3	44.7	40.1												24
26	75.8	78.7	79.4	76.2	72.2	68	64	61	57.1	53.6	49.3	44.1	39.9	36.9											26
28	67.8	70.7	71.7	68.9	65.7	61.9	58.3	56.4	55.4	52.2	48.2	43.5	39.7	36.8	25.5	29									28
30	61.2	64	65.2	62.8	59.9	56.6	54.2	52.7	51.3	49.6	47.1	42.7	39.3	36.6	25.3	29.1	23.8	22.2	23.5						30
32		58.2	59.7	57.6	54.9	52.2	51.4	48.6	47.3	45.4	44.6	42	38.9	36.3	25.1	29	23.7	22.1	23.5	21.1	20.1	19.6	19		32
34		52.5	54.4	53	50.8	48.6	47.8	45	43.8	42.4	41.4	40.3	38.3	36	24.8	28.9	23.5	22	23.4	21	20	19.4	18.9		34
36		47.6	49.4	49.7	47.1	46.3	44.6	41.8	40.7	40.6	38.5	38	36.8	35.5	24.5	28.7	23.2	21.8	23.2	20.9	19.9	19.3	18.9		36
38		43.4	45.2	46.2	43.7	43.6	41.5	39.4	38	38.2	35.8	36.7	34.7	34.4	24.1	28.5	23	21.6	23.1	20.7	19.8	19.2	18.8		38
40		39.7	41.5	42.5	40.7	40.7	38.9	37.7	35.5	35.8	33.4	34.4	32.4	32.5	23.7	28.2	22.7	21.4	22.9	20.6	19.7	19.1	18.7		40
45			34.1	35.1	35.6	34.8	33.2	32.6	30.2	31.2	28.4	30.1	27.6	28.9	22.5	27.1	21.9	20.9	22.3	20.1	19.3	18.8	18.4		45
50			28.6	30	30	29.4	28.5	28.2	26	27.8	24.4	26.5	23.7	25	21.2	23.4	21	20.2	21.6	19.6	18.9	18.4	18		50
55			24.4	25.6	25.6	25	25.3	24.2	22.3	24.3	21	23.2	21.2	22.1	20	21.2	20.1	19.3	19.7	19	18.4	18	17.6		55
60				22.1	22	22.2	21.9	21.8	20.6	21	19.3	20.4	19.8	19.8	18.9	18.7	18.5	18.2	17.2	17.1	16.9	16.7	16.5		60
65				19.2	19.1	19.5	19.1	19	19.1	18.2	17.8	17.8	18	17.2	17.1	16.3	16.3	16	15.1	15	14.9	14.7	14.5		65
70					16.7	17.1	16.7	16.6	16.7	15.9	16	15.5	15.7	14.8	14.8	14.1	14.2	14	13.1	13.1	13.1	12.9	12.7		70
75					14.7	15	14.7	14.6	14.6	13.8	14	13.5	13.7	12.8	12.9	12.2	12.2	12.1	11.2	11.3	11.2	11.1	11		75
80						13.3	12.9	12.8	12.9	12.1	12.3	11.7	12	11.1	11.1	10.5	10.5	10.4	9.7	9.7	9.7	9.7	9.5		80
85						11.8	11.4	11.3	11.4	10.6	10.8	10.3	10.5	9.7	9.8	9.1	9.2	9.1	8.4	8.5	8.5	8.4	8.3		85
90						10.5	10.1	9.9	10.1	9.4	9.6	9.1	9.3	8.6	8.6	8.1	8.2	8.1	7.4	7.5	7.4	7.4	7.3		90
95							9.1	9	9.1	8.4	8.6	8.2	8.3	7.7	7.7	7.1	7.2	7.1	6.4	6.5	6.5	6.4	6.3		95
100							8.3	8.1	8.2	7.6	7.8	7.3	7.5	6.8	6.9	6.3	6.4	6.3	5.6	5.7	5.7	5.6	5.5		100
105								7.4	7.5	6.8	7	6.6	6.7	6.1	6.1	5.6	5.7	5.6	4.9	5	5	4.9	4.8		105
110								6.8	6.8	6.2	6.3	5.9	6.1	5.4	5.5	4.9	5	4.9	4.3	4.3	4.3	4.3	4.2		110
115								6.2	6.2	5.6	5.7	5.3	5.5	4.8	4.9	4.3	4.4	4.3	3.7	3.8	3.7	3.7	3.6		115
120									5.8	5.1	5.2	4.8	4.9	4.3	4.3	3.8	3.9	3.8	3.1	3.2	3.2	3.1	3.1		120
125										4.6	4.8	4.3	4.4	3.8	3.8	3.3	3.4	3.3	2.7	2.7	2.7	2.7	2.5		125
130											4.3	3.9	4	3.4	3.4	2.9	3	2.9	2.2	2.3	2.3	2.2	2		130
135												3.4	3.6	2.9	3	2.4	2.5	2.4	1.6	1.8	1.7	1.6			135
140													3	3.2	2.4	2.6	1.9	2.1	2						140
145														2.8	2	2.1	1.6								145
150															1.6	1.8									150

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Lifting capacities

Forces de levage

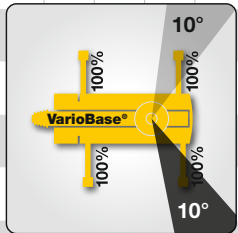
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85%



	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197			
	ft																									
10	153.2	150.1	148.6	146.6	128.5																				10	
11	153.2	151	149.3	147	131.8																					11
12	153.2	151.5	149.9	147.5	132.7																					12
13	153.2	151.7	150.8	147	132.9	111.3																				13
14	153.2	152.1	151.7	146.8	132.1	111.8																				14
15	149.3	147.9	143.7	140.9	131	111.6	90.2																			15
16	138.9	137.6	134.5	132.1	128.3	110.9	90.4																			16
17	129.9	128.7	126.1	124.3	121	108.2	90.2	71																		17
18	121.9	123.2	122.8	121	116.6	105.6	89.9	70.8																		18
19	114.6	115.7	117.5	114.6	110.5	102.7	88.8	70.1	62.2																	19
20	107.8	109.6	110.9	108.9	106.5	99.6	87.1	69.4	61.3	56.4																20
22	96.6	98.8	99.6	99.4	96.3	90.2	82	67.7	60	55.6	51.4	45														22
24	86.9	89.7	89.9	90.6	87.7	82	75	65.9	58.6	54.7	50.5	44.8	40.1													24
26	78.5	81.1	81.3	82.9	80.2	75.2	69	63.5	57.1	53.6	49.4	44.1	39.9	36.8												26
28	71.2	73.9	75.2	75.6	73.9	69.2	63.7	59.3	55.6	52.7	48.3	43.4	39.7	36.8	25.6	29.1										28
30	65.3	67.9	69	69.4	68.8	63.9	59.1	55.1	54	51.6	47.2	42.8	39.2	36.6	25.4	29.1	23.8	22.3	23.6							30
32		62.4	63.7	64.2	63.9	59.5	54.9	53.1	51.4	49.2	46.1	41.9	38.8	36.4	25.1	28.9	23.6	22	23.6	21.2	20.1	19.6	19			32
34		57.5	58.9	59.5	59.1	55.6	51.4	49.8	48.3	46.1	44.8	41.2	38.4	35.9	24.9	28.9	23.6	22	23.4	20.9	20.1	19.4	19			34
36		53.4	54.7	55.1	54.9	51.8	48.9	46.7	45.2	43.2	41.9	40.3	37.7	35.5	24.5	28.7	23.1	21.8	23.1	20.9	19.8	19.4	19			36
38		49.4	50.7	51.4	51.1	48.7	47.4	43.9	42.5	40.8	39.5	38.6	36.8	35.1	24	28.4	22.9	21.6	23.1	20.7	19.8	19.2	18.7			38
40		46.1	47.6	48.1	47.8	45.9	45	41.4	40.1	38.6	37.3	36.4	35.5	34.4	23.8	28.2	22.7	21.4	22.9	20.5	19.6	19.2	18.7			40
45			40.1	41.2	40.3	39.7	39.2	36.2	35.1	35.1	32.4	33.1	30.9	30.9	22.5	27.3	21.8	20.9	22.3	20.1	19.4	18.7	18.3			45
50			34.6	35.3	34.8	35.3	34.4	32.4	30.9	30.9	28.4	29.3	27.3	28.2	21.2	26.5	20.9	20.3	21.6	19.6	19	18.5	18.1			50
55			30.4	31.1	31.3	31.1	30.4	29.8	27.3	28	25.1	26.7	24	25.4	20.1	23.6	20.1	19.4	20.9	19	18.3	17.9	17.6			55
60				27.6	27.8	27.8	26.9	26.7	24.3	25.1	22.3	24.3	21.4	22.7	19	21.2	19.2	18.5	20.1	18.3	17.9	17.4	17.2			60
65				24.5	24.7	24.5	23.8	23.4	21.8	22.7	20.1	21.8	19.2	20.3	17.9	19.6	18.3	17.6	18.5	17.6	17	16.8	16.5			65
70					22.3	21.8	21.4	21.2	19.6	20.9	17.9	19.8	17.4	18.5	16.8	18.1	17.4	16.8	16.8	16.5	16.3	16.1	15.7			70
75					20.1	19.6	19.6	19	17.6	18.7	16.1	17.9	16.3	17.4	15.7	16.3	16.3	15.9	15	14.8	14.8	14.6	14.3			75
80						18.1	17.9	17.2	15.9	17.2	14.6	16.1	15.4	15.9	15	14.8	14.6	14.3	13.2	13.2	13.2	13	12.8			80
85						16.8	16.5	16.1	15	15.7	13.4	15	14.6	14.3	14.1	13.2	13.2	12.8	11.9	11.9	11.7	11.7	11.5			85
90						15.2	15.2	14.8	14.3	14.3	12.8	13.9	13.7	13	12.8	11.9	11.9	11.7	10.6	10.6	10.6	10.4	10.1			90
95							13.9	13.4	13.4	13	11.9	12.8	12.3	11.9	11.7	10.8	10.8	10.6	9.5	9.5	9.5	9.3	9			95
100								12.8	12.6	12.6	11.7	11.2	11.7	11.5	10.8	10.6	9.7	9.7	9.5	8.6	8.6	8.4	8.4	8.2		100
105									11.2	11.5	10.8	10.6	10.8	10.6	9.9	9.7	8.8	8.8	8.6	7.7	7.7	7.5	7.5	7.3		105
110									10.6	10.6	9.9	10.1	9.9	9.5	9	8.8	8.2	7.9	7.7	6.8	6.8	6.8	6.6	6.6		110
115									9.7	9.9	9.3	9.5	9	8.8	8.4	8.2	7.3	7.3	7.1	6.2	6.2	6.2	6	5.7		115
120									9	8.6	8.8	8.4	8.2	7.5	7.5	6.6	6.6	6.4	5.5	5.5	5.5	5.3	5.1		120	
125										7.9	8.2	7.7	7.5	7.1	6.8	6.2	6	6	4.9	4.9	4.9	4.9	4.6		125	
130											7.7	7.1	7.1	6.4	6.4	5.5	5.5	5.3	4.4	4.4	4.4	4.2	4		130	
135												6.6	6.4	5.7	5.7	5.1	5.1	4.9	4	4	3.7	3.7	3.5		135	
140												6.2	6	5.3	5.3	4.6	4.6	4.4	3.5	3.5	3.3	3.3	3.1		140	
145													5.5	4.9	4.9	4.2	4.2	4	3.1	3.1	3.1	2.9	2.6		145	
150														4.4	4.4	4	3.7	3.5	2.6	2.6	2.6	2.4	2.4		150	
155															4.2	3.5	3.5	3.3	2.4	2.4	2.2	2.2	2		155	
160																4	3.3	3.3	3.1	2	2	2	1.8	1.8		160
165																	2	3.1	2.9	1.8	1.8	1.5	1.3		165	
170																		2.6	2.6	1.8	1.5	1.5	1.3	1.1		170
175																			2.2	1.5	1.3	1.3	1.1	0.7		175
180																					1.3	1.1				180



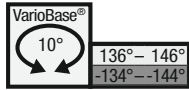
+35%

LTM_1110-5.1_Multi_0

Lifting capacities

Forces de levage

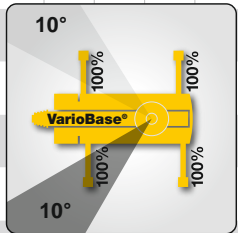
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85%



	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197				
	ft																										
10	153.2	150.1	148.6	146.6	128.5																				10		
11	153.2	151	149.3	147	131.8																				11		
12	153.2	151.5	149.9	147.5	132.7																				12		
13	153.2	151.7	150.8	147	132.9	111.3																			13		
14	153.2	152.1	151.7	146.8	132.1	111.8																			14		
15	150.1	148.8	144.4	141.5	131	111.6	90.2																		15		
16	139.6	138.4	134.9	132.7	128.3	110.9	90.4																		16		
17	130.5	129.2	126.8	125	121.7	108.2	90.2	71																	17		
18	122.4	123.7	122.8	121	116.6	105.6	89.9	70.8																	18		
19	115.1	116.6	117.9	115.1	111.1	102.7	88.8	70.1	62.2																19		
20	108.7	110	111.6	109.3	106.5	99.9	87.1	69.4	61.3	56.4															20		
22	97	99.2	99.9	99.4	96.3	91.7	83.6	67.7	60	55.6	51.4	45													22		
24	86.2	89.5	89.9	89.1	85.8	82	78.5	65.9	58.6	54.7	50.5	44.8	40.1												24		
26	76.5	79.1	80.5	80.7	78	75.2	71.6	64.2	57.1	53.6	49.4	44.1	39.9	36.8											26		
28	68.8	71.9	73.2	73.6	71.6	68.8	65.7	62.2	55.6	52.7	48.3	43.4	39.7	36.8	25.6	29.1									28		
30	62.8	65.3	66.6	67.2	65.9	63.3	60.4	58	54	51.6	47.2	42.8	39.2	36.6	25.4	29.1	23.8	22.3	23.6						30		
32		59.5	61.1	61.5	60.8	58.4	55.8	53.8	52	50.3	46.1	41.9	38.8	36.4	25.1	28.9	23.6	22	23.6	21.2	20.1	19.6	19		32		
34		54.5	56.2	56.4	56.2	54	51.6	50.9	50	48.5	44.8	41.2	38.4	35.9	24.9	28.9	23.6	22	23.4	20.9	20.1	19.4	19		34		
36		50.3	51.8	52.2	52	50.3	48.9	47.6	46.7	45.4	43.7	40.3	37.7	35.5	24.5	28.7	23.1	21.8	23.1	20.9	19.8	19.4	19		36		
38		46.3	47.8	48.3	48.3	46.7	46.7	44.5	43.7	42.3	41.2	39.2	36.8	35.1	24	28.4	22.9	21.6	23.1	20.7	19.8	19.2	18.7		38		
40		43	44.5	45.2	44.8	43.9	44.1	41.9	41	39.7	38.6	37.7	35.9	34.4	23.8	28.2	22.7	21.4	22.9	20.5	19.6	19.2	18.7		40		
45			37.7	38.6	38.1	38.6	37.9	35.9	35.1	35.3	33.3	34	31.7	31.5	22.5	27.3	21.8	20.9	22.3	20.1	19.4	18.7	18.3		45		
50			32.4	33.3	33.7	33.3	32.6	32.4	30.6	30.9	28.9	29.8	27.6	28.4	21.2	26.5	20.9	20.3	21.6	19.6	19	18.5	18.1		50		
55			28.4	29.1	29.5	29.3	28.4	28.2	26.7	27.8	25.1	26.9	24.3	25.4	20.1	23.8	20.1	19.4	20.9	19	18.3	17.9	17.6		55		
60				25.8	26	25.8	24.9	24.7	23.4	24.5	22.3	24	21.4	22.7	19	21.2	19.2	18.5	20.1	18.3	17.9	17.4	17.2		60		
65				23.4	23.4	22.9	22.5	21.8	20.5	21.8	19.8	21.2	19	20.3	17.9	19.6	18.3	17.6	18.3	17.6	17	16.8	16.5		65		
70					20.7	20.5	20.5	19.8	18.3	19.6	17.6	19	17.4	18.5	16.8	17.9	17.4	16.8	16.5	16.3	16.3	16.1	15.7		70		
75					19	18.5	18.5	18.1	17	17.6	15.7	17	16.3	16.8	15.7	16.1	16.1	15.9	14.8	14.6	14.6	14.3	14.1		75		
80						17	16.8	16.5	15.9	16.1	14.6	15.9	15.4	15	15	14.6	14.3	14.1	13	13	12.8	12.8	12.6		80		
85						15.7	15.2	15	15	14.6	13.4	14.3	13.9	13.4	13.4	12.8	12.8	12.6	11.7	11.5	11.5	11.2	11		85		
90						14.6	14.1	13.7	13.9	13.2	12.8	13.2	12.8	11.9	12.1	11.7	11.5	11.2	10.4	10.4	10.1	10.1	9.9		90		
95							13	12.6	12.8	11.9	11.9	11.9	11.5	10.8	11	10.4	10.4	10.1	9.3	9.3	9	9	8.8		95		
100							11.9	11.5	11.7	10.8	11.2	10.8	10.4	9.9	10.1	9.5	9.5	9.3	8.2	8.2	8.2	7.9	7.7		100		
105								10.6	10.8	10.1	10.4	9.9	9.7	9	9.3	8.6	8.4	8.2	7.3	7.3	7.3	7.1	6.8		105		
110								9.7	9.7	9.3	9.5	9	8.8	8.2	8.4	7.7	7.7	7.5	6.4	6.4	6.4	6.4	6.2		110		
115								9	9	8.6	8.8	8.4	8.2	7.5	7.7	6.8	6.8	6.6	5.7	5.7	5.7	5.5	5.5		115		
120									8.6	7.9	7.9	7.7	7.5	6.8	7.1	6.2	6.2	6	5.1	5.1	5.1	4.9	4.9		120		
125										7.3	7.5	7.1	6.8	6.2	6.4	5.7	5.7	5.5	4.6	4.6	4.4	4.4	4.2		125		
130											6.8	6.6	6.4	5.7	5.7	5.1	5.1	4.9	4	4	4	3.7	3.7		130		
135												6	5.7	5.1	5.3	4.6	4.6	4.4	3.5	3.5	3.5	3.3	3.1		135		
140													5.5	5.3	4.6	4.9	4.2	4.2	4	3.1	3.1	3.1	2.9	2.6		140	
145														4.9	4.2	4.4	3.7	3.7	3.5	2.6	2.6	2.4	2.4		145		
150															4	4	3.3	3.3	3.1	2.2	2.2	2.2	2		150		
155																3.7	3.1	3.1	2.9	2	2	1.8	1.5		155		
160																	3.3	2.6	2.6	2.4	1.5	1.5	1.3	1.1		160	
165																		1.3	2.4	2.2	1.3	1.1	1.1	0.9	0.7		165
170																			2	2	0.9	0.9	0.9	0.4		170	
175																				1.5	0.7	0.7	0.4			175	
180																					0.4	0.4				180	



+29%

LTM_1110-5.1_Multi_0

Lifting capacities

Forces de levage

T



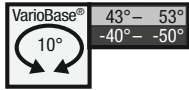
	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197		
	ft																								
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11	153.2	151	149.2	147.1	131.8																				11
12	153.2	151.4	150	147.5	132.8																				12
13	153.2	151.8	150.8	146.9	132.9	111.4																			13
14	152.1	151.5	150	144.7	131.6	111.9																			14
15	144.7	142.5	140.5	138	130.8	111.3	90.1																		15
16	134.8	133.4	131.5	129.5	121.7	110.3	90.4																		16
17	126	124.5	123.4	120.6	114.5	107.5	90.2	71																	17
18	118.2	118.7	119.8	115.9	110.5	102.7	89.8	70.8																	18
19	111.2	112.4	113.7	107.7	103	95.8	87	70.2	62																19
20	104.8	106.3	106.9	102.5	96.3	89.9	83.5	69.6	61.3	56.4															20
22	93	95.6	93.1	90	84.9	79.6	74.4	67.7	59.9	55.6	51.3	45													22
24	82.2	85.2	84	80.2	75.7	71.1	66.7	63.1	58.6	54.6	50.3	44.7	40.1												24
26	73	75.9	75.1	72	68.2	64.2	60.3	58.1	56.6	53.3	49.3	44.1	39.9	36.9											26
28	65.3	68.2	67.7	65.1	62	58.3	56.1	54	52.6	50.8	48.2	43.5	39.7	36.8	25.5	29									28
30	58.1	61.5	61.5	59.3	56.5	53.3	52.8	49.6	48.3	46.6	45.3	42.7	39.3	36.6	25.3	29.1	23.8	22.2	23.5						30
32		55	56.3	54.3	51.7	50.1	48.6	45.7	44.5	43.6	42	40.9	38.7	36.3	25.1	29	23.7	22.1	23.5	21.1	20.1	19.6	19		32
34		49.4	51.3	50.6	47.8	47.4	45	42.3	41.1	41.2	38.8	38.5	37.3	35.8	24.8	28.9	23.5	22	23.4	21	20	19.4	18.9		34
36		44.7	46.6	46.8	44.3	44.1	41.9	40.4	38.2	38.4	36	36.9	34.8	34.8	24.5	28.7	23.2	21.8	23.2	20.9	19.9	19.3	18.9		36
38		40.7	42.5	43.5	41.8	41.1	39	38.1	35.5	35.8	33.4	34.4	32.4	32.4	24.1	28.5	23	21.6	23.1	20.7	19.8	19.2	18.8		38
40		37.3	39	40	40	38.3	36.5	35.7	33.2	33.8	31.2	32.8	30.2	31.1	23.7	28.2	22.7	21.4	22.9	20.6	19.7	19.1	18.7		40
45			32	33	33.4	32.7	31	30.6	28.2	29.9	26.4	28.5	25.6	26.9	22.5	25.4	21.9	20.9	22.3	20.1	19.3	18.8	18.4		45
50			26.7	28.1	28	27.5	27.4	26.4	24.2	26.3	22.7	24.7	22.5	23.5	21.2	22.7	21	20.2	20.9	19.6	18.9	18.4	18		50
55			22.7	23.9	23.8	23.9	23.7	23.6	22.2	22.7	20.9	21.9	21.1	21.1	19.9	19.7	19.5	19	18.2	17.9	17.7	17.5	17.3		55
60				20.5	20.4	20.8	20.4	20.3	20.3	19.5	19.2	19.1	19.3	18.3	18.1	17.2	17.1	16.7	15.7	15.6	15.4	15.2	15		60
65				17.8	17.7	18.1	17.7	17.5	17.7	16.8	17	16.4	16.6	15.7	15.7	14.9	14.8	14.6	13.7	13.6	13.5	13.3	13		65
70					15.4	15.8	15.4	15.3	15.3	14.5	14.7	14.1	14.3	13.4	13.4	12.7	12.7	12.6	11.7	11.7	11.7	11.5	11.4		70
75					13.4	13.7	13.3	13.2	13.3	12.5	12.7	12.1	12.3	11.5	11.5	10.8	10.8	10.7	10	9.9	9.9	9.9	9.8		75
80						12	11.6	11.5	11.6	10.8	11	10.5	10.7	9.9	9.9	9.3	9.4	9.3	8.6	8.6	8.6	8.5	8.4		80
85						10.6	10.2	10.1	10.1	9.5	9.7	9.2	9.4	8.7	8.7	8.1	8.2	8.1	7.4	7.5	7.5	7.4	7.3		85
90						9.5	9.1	9	9.1	8.4	8.6	8.2	8.3	7.7	7.7	7.1	7.2	7.1	6.4	6.5	6.5	6.4	6.3		90
95							8.2	8.1	8.2	7.5	7.7	7.3	7.4	6.8	6.8	6.3	6.3	6.3	5.6	5.7	5.6	5.6	5.5		95
100							7.5	7.3	7.4	6.7	6.9	6.5	6.7	6	6	5.5	5.6	5.5	4.8	4.9	4.9	4.8	4.7		100
105								6.6	6.7	6	6.2	5.8	6	5.3	5.3	4.8	4.9	4.8	4.1	4.2	4.2	4.1	4		105
110								6	6.1	5.4	5.6	5.1	5.3	4.7	4.7	4.2	4.3	4.2	3.5	3.6	3.6	3.5	3.4		110
115								5.5	5.5	4.9	5	4.6	4.7	4.1	4.2	3.6	3.7	3.6	3	3.1	3	3	2.8		115
120									5.1	4.4	4.5	4.1	4.2	3.6	3.7	3.1	3.2	3.1	2.4	2.5	2.5	2.4	2.2		120
125										4	4.1	3.7	3.8	3.1	3.2	2.7	2.7	2.7	1.8	1.9	1.9	1.7	1.5		125
130											3.7	3.2	3.4	2.7	2.8	2.2	2.3	2.2							130
135												2.8	3	2.2	2.4	1.6	1.8	1.7							135
140													2.4	2.5	1.8										140
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Lifting capacities

Forces de levage

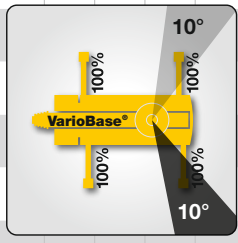
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85%



	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197				
	ft																										
10	153.2	150.1	148.6	146.6	128.5																				10		
11	153.2	151	149.3	147	131.8																				11		
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13	153.2	151.7	150.8	147	132.9	111.3																			13		
14	153.2	151.9	151.5	146.8	131.6	111.8																			14		
15	146.6	145.3	141.1	138.2	131	111.3	90.2																		15		
16	136.5	135.1	131.8	129.9	126.1	110.2	90.4																		16		
17	127.4	126.1	123.9	121.9	118.8	107.4	90.2	71																	17		
18	119.5	121	121.3	118.8	114.6	104.5	89.9	70.8																	18		
19	112.2	113.5	115.3	112.7	109.3	100.1	88.4	70.1	62.2																19		
20	106	108	108.9	106.9	104.5	94.8	85.8	69.4	61.3	56.4															20		
22	94.6	97.4	97.7	97.2	94.1	85.5	77.8	67.7	60	55.6	51.4	45													22		
24	84.9	87.5	87.7	88.4	85.3	77.8	71	65.5	58.6	54.7	50.5	44.8	40.1												24		
26	76.7	79.1	80.5	81.1	77.8	71.2	65.3	60.6	57.1	53.6	49.4	44.1	39.9	36.8											26		
28	69.7	72.1	73.6	73.9	71.4	65.5	60.2	56.9	55.6	52.7	48.3	43.4	39.7	36.8	25.6	29.1									28		
30	63.7	66.1	67.7	68.1	65.7	60.6	55.8	53.8	52	49.6	47.2	42.8	39.2	36.6	25.4	29.1	23.8	22.3	23.6						30		
32		60.8	62.2	62.6	61.1	56.2	52.2	50.3	48.5	46.3	45	41.9	38.8	36.4	25.1	28.9	23.6	22	23.6	21.2	20.1	19.6	19		32		
34		56	57.3	57.8	56.7	52.5	50.5	47	45.4	43.4	42.1	41	38.4	35.9	24.9	28.9	23.6	22	23.4	20.9	20.1	19.4	19		34		
36		51.6	52.9	53.8	52.9	48.9	47.8	44.1	42.8	41	39.5	38.6	37.5	35.5	24.5	28.7	23.1	21.8	23.1	20.9	19.8	19.4	19		36		
38		47.6	49.2	49.8	49.6	45.9	45	41.4	40.1	39.7	37.3	37	35.3	34.8	24	28.4	22.9	21.6	23.1	20.7	19.8	19.2	18.7		38		
40		44.3	45.9	46.5	46.3	43.2	42.3	39	37.9	37.7	35.1	35.5	33.3	33.1	23.8	28.2	22.7	21.4	22.9	20.5	19.6	19.2	18.7		40		
45			38.6	39.2	39.2	39.5	36.8	35.3	32.8	32.8	30.4	31.1	28.9	30	22.5	27.3	21.8	20.9	22.3	20.1	19.4	18.7	18.3		45		
50			33.3	34.2	34	34.2	32.4	31.3	28.9	29.5	26.7	28.2	25.4	26.5	21.2	24.7	20.9	20.3	21.6	19.6	19	18.5	18.1		50		
55			29.3	30	30.4	30	28.9	28	25.6	26.5	23.4	25.4	22.5	23.6	20.1	22	20.1	19.4	20.9	19	18.3	17.9	17.6		55		
60				26.5	26.9	26.5	25.6	24.9	22.7	24.3	20.7	22.7	19.8	21.2	19	20.7	19.2	18.5	19.2	18.3	17.9	17.4	17.2		60		
65				23.8	23.8	23.4	22.7	22.5	20.3	21.8	18.5	20.5	18.5	19.6	17.9	18.7	18.3	17.6	17.2	17	17	16.8	16.5		65		
70					21.2	20.9	20.9	20.3	18.1	20.3	16.8	18.5	17.4	18.1	16.8	16.8	16.8	16.5	15.4	15.4	15.2	15	14.8		70		
75					19.4	19	19	18.1	17	18.3	15.7	17	16.3	16.3	15.7	15.2	15	14.8	13.7	13.7	13.4	13.4	13.2		75		
80						17.4	17.2	17	15.9	16.5	14.6	15.7	15.4	14.6	14.3	13.4	13.4	13.2	12.1	12.1	12.1	11.9	11.7		80		
85						16.1	15.7	15.4	15	15	13.4	14.1	14.3	13.2	13	12.1	12.1	11.9	10.8	10.8	10.8	10.6	10.4		85		
90						14.8	14.6	14.1	14.3	13.7	12.8	13	12.8	11.9	11.7	10.8	10.8	10.6	9.7	9.7	9.5	9.5	9.3		90		
95							13.2	13	13.2	12.3	11.9	11.7	11.7	10.8	10.6	9.9	9.7	9.5	8.6	8.6	8.4	8.4	8.2		95		
100								12.3	11.9	11.7	11.2	11.2	10.8	10.8	9.9	9.7	8.8	8.8	8.6	7.7	7.5	7.5	7.3	7.3	100		
105									10.8	11	10.4	10.6	9.9	9.9	9	8.8	7.9	7.9	7.7	6.8	6.8	6.6	6.4	105			
110									9.9	10.1	9.5	9.7	9	9	8.2	7.9	7.3	7.1	6.8	6	6	6	5.7	5.5	110		
115									9.3	9.3	8.8	9	8.4	8.4	7.5	7.3	6.4	6.4	6.2	5.3	5.3	5.3	5.1	4.9	115		
120										8.8	8.2	8.4	7.7	7.7	6.8	6.6	5.7	5.7	5.5	4.6	4.6	4.6	4.4	4.2	120		
125											7.5	7.7	7.3	7.3	6.2	6	5.3	5.3	5.1	4.2	4.2	4	4	3.7	125		
130												7.1	6.8	6.6	5.7	5.5	4.6	4.6	4.4	3.5	3.5	3.5	3.3	3.3	130		
135													6.2	6	5.3	5.1	4.2	4.2	4	3.1	3.1	3.1	2.9	2.6	135		
140														5.5	4.9	4.6	3.7	3.7	3.5	2.6	2.6	2.4	2.4	2.4	140		
145															5.3	4.4	4.2	3.5	3.3	2.2	2.2	2.2	2.2	2	145		
150																4.2	4	3.1	3.1	2.9	2	2	2	1.8	1.5	150	
155																	3.7	2.9	2.9	2.6	1.5	1.5	1.5	1.3	1.1	155	
160																		3.3	2.6	2.4	2.2	1.3	1.3	1.1	0.9	0.7	160
165																			1.5	2.4	2	1.1	0.9	0.9	0.7	0.4	165
170																				2.2	2	0.9	0.7	0.7	0.4	170	
175																					1.8	0.9	0.7	0.4	175		
180																						0.4	0.4		180		



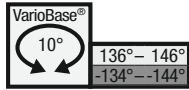
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LTM_1110-5.1_Multi_0

Lifting capacities

Forces de levage

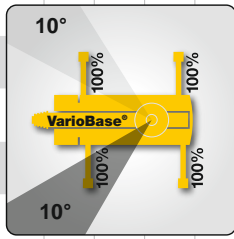
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85%

VarioBase®

	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197		
	ft																								
10	153.2	150.1	148.6	146.6	128.5																				10
11	153.2	151	149.3	147	131.8																				11
12	153.2	151.5	149.9	147.5	132.7																				12
13	153.2	151.7	150.8	147	132.9	111.3																			13
14	153.2	151.9	151.7	146.8	131.6	111.8																			14
15	147.5	146.2	141.8	139.1	131	111.3	90.2																		15
16	137.3	136	132.5	130.3	126.5	110.2	90.4																		16
17	128.1	127	124.6	122.8	119.3	107.4	90.2	71																	17
18	120.2	121.5	121.7	119.7	115.1	104.5	89.9	70.8																	18
19	113.1	114.4	116	113.1	109.3	101.6	88.4	70.1	62.2																19
20	106.5	108.5	109.3	107.6	105.4	98.5	86.4	69.4	61.3	56.4															20
22	95	97.9	98.1	96.8	93	88.2	82.7	67.7	60	55.6	51.4	45													22
24	82.5	86	86.6	86.4	83.6	80	76.3	65.9	58.6	54.7	50.5	44.8	40.1												24
26	74.3	76.9	78.7	78.5	76.1	72.8	69.4	64.2	57.1	53.6	49.4	44.1	39.9	36.8											26
28	66.8	69.4	71	71.4	69.4	66.6	63.5	60	55.6	52.7	48.3	43.4	39.7	36.8	25.6	29.1									28
30	60.4	63.1	64.6	65.3	63.7	61.3	58.2	55.1	54	51.6	47.2	42.8	39.2	36.6	25.4	29.1	23.8	22.3	23.6						30
32		57.5	58.9	59.5	58.6	56.4	53.8	52.9	51.1	48.5	46.1	41.9	38.8	36.4	25.1	28.9	23.6	22	23.6	21.2	20.1	19.6	19		32
34		52.2	53.8	54.5	54	52	50.5	49.2	47.4	45.2	43.7	41.2	38.4	35.9	24.9	28.9	23.6	22	23.4	20.9	20.1	19.4	19		34
36		48.1	49.6	50.5	50	48.5	48.3	45.9	44.3	42.1	40.8	39.7	37.7	35.5	24.5	28.7	23.1	21.8	23.1	20.9	19.8	19.4	19		36
38		45	46.1	47	46.5	45.2	45.2	43	41.4	39.7	38.1	37.3	36.2	35.1	24	28.4	22.9	21.6	23.1	20.7	19.8	19.2	18.7		38
40		41.7	42.8	43.7	43.4	43.2	42.3	40.1	38.8	38.6	35.7	36.2	34	33.5	23.8	28.2	22.7	21.4	22.9	20.5	19.6	19.2	18.7		40
45			36.4	37	37	37.3	36.4	35.3	33.3	33.3	30.6	31.5	29.1	30.2	22.5	27.3	21.8	20.9	22.3	20.1	19.4	18.7	18.3		45
50			31.3	32	32.4	32.2	31.3	31.3	28.9	29.5	26.7	28.2	25.4	26.7	21.2	24.7	20.9	20.3	21.6	19.6	19	18.5	18.1		50
55			27.6	28	28.2	28	27.3	27.1	25.4	26.5	23.1	25.4	22.3	23.4	20.1	21.8	20.1	19.4	20.9	19	18.3	17.9	17.6		55
60				24.9	25.1	24.9	24	23.8	22.3	23.8	20.5	22.5	19.8	20.9	19	20.5	19.2	18.5	18.7	18.3	17.9	17.4	17.2		60
65				22.3	22.3	22	22	21.2	19.8	20.9	18.1	20.1	18.5	19.6	17.9	18.3	18.1	17.6	16.8	16.5	16.5	16.3	16.1		65
70					20.1	19.6	19.6	19.4	18.1	19	16.8	18.1	17.4	17.6	16.8	16.3	16.3	15.9	15	14.8	14.8	14.6	14.3		70
75					18.1	18.1	17.9	17.4	17	17	15.7	17	16.3	15.9	15.7	14.8	14.6	14.3	13.2	13.2	13	13	12.8		75
80						16.5	16.1	15.9	15.9	15.4	14.6	15.2	15	14.1	13.9	13	13	12.8	11.7	11.7	11.5	11.5	11.2		80
85						15	14.8	14.3	14.6	13.9	13.4	13.7	13.4	12.6	12.6	11.7	11.5	11.2	10.4	10.4	10.1	10.1	9.9		85
90							13.9	13.4	13.2	13.2	12.6	12.8	12.3	11.9	11.5	11.2	10.4	10.4	10.1	9	9	9	8.8		90
95								12.3	11.9	12.1	11.5	11.7	11.2	11	10.4	10.1	9.3	9.3	9	8.2	7.9	7.9	7.7		95
100									11.2	11	11	10.4	10.8	10.4	9.9	9.3	9.3	8.4	8.4	8.2	7.1	7.1	7.1		100
105										9.9	10.1	9.7	9.7	9.5	9.3	8.4	8.4	7.5	7.5	7.3	6.2	6.2	6.2		105
110											9.3	9.5	8.8	9	8.6	8.4	7.7	7.5	6.6	6.6	6.4	5.5	5.5		110
115												8.6	8.8	8.2	8.4	7.7	7.7	6.8	6.8	6	6	5.7	4.9		115
120													8.2	7.5	7.7	7.1	7.1	6.2	6.2	5.3	5.3	5.1	4.2		120
125														6.8	7.1	6.6	6.4	5.5	5.5	4.6	4.6	4.6	3.5		125
130															6.4	6	5.7	5.1	5.1	4.2	4.2	4	3.1		130
135																5.3	5.3	4.6	4.4	3.7	3.7	3.5	2.6		135
140																	4.9	4.9	4.2	4	3.3	3.3	3.1		140
145																		4.4	3.7	3.7	2.9	2.6	1.8		145
150																			3.3	3.3	2.4	2.4	2.4		150
155																				2.9	2.2	2.2	2		155
160																					2.4	1.8	2		160
165																						0.4	1.5		165
170																							1.3		170
175																								0.9	175



+31%

LTM_1110-5.1_Multi_0

Lifting capacities

Forces de levage

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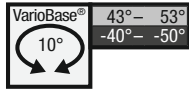
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	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197			
	ft																									
10	153.2	150.2	148.5	146.5	128.6																				10	
11	153.2	151	149.2	147.1	131.8																					11
12	153.2	151.4	150	141.5	132.4																					12
13	151.8	151.2	141.1	130.7	119	111																				13
14	142.7	140.6	124.3	118.3	113.7	104.1																				14
15	132.2	125.7	120.7	113.7	104	95.4	86.2																			15
16	122.8	118	109.8	103.5	95.4	87.3	80																			16
17	113.7	106.6	100.2	94.8	87.7	80.8	74.3	67.8																		17
18	104.2	98	93.2	87.3	80.9	74.8	69.2	65.2																		18
19	94.6	90.6	86.3	80.7	75.2	69.6	66.3	62.2	60																	19
20	86.6	83.2	79.6	74.9	70.1	65.4	63	58.4	56.7	54.1																20
22	73.5	71.7	69	66.2	61.5	59.9	55.9	52.5	50.3	48.7	46.8	44.5														22
24	63.3	62.5	60.7	58.7	56.5	53.4	50.1	48.2	45	44.9	41.8	40.9	39.6													24
26	53.7	55.2	54	52.5	50.8	48	45.1	43.6	40.4	41	37.2	38.1	35.4	35												26
28	46.2	49.2	48.4	47.4	46.1	43.5	40.8	39.4	36.2	38	33.4	35.6	31.9	33.1	25.5	28.7										28
30	40.1	43.7	43.7	43.5	41.8	39.4	38.4	36.5	33.3	34.9	31.4	32.3	28.8	30.1	25.3	28	23.8	22.2	23.5							30
32		38.7	39.5	39.4	37.8	36	35.2	34	32.3	31.8	30.4	30.1	28	28.1	25.1	26.1	23.7	22.1	23.5	21.1	20.1	19.6	19			32
34		34.5	35.7	35.8	34.5	33.9	32.3	31.2	30.8	29.2	28.9	27.9	27.4	26.3	24.8	24.6	23.5	22	22.2	20.8	19.9	19.4	18.9			34
36		30.7	32.4	32.7	31.6	31.2	29.8	28.7	28.5	26.9	27	25.7	25.6	24.2	23.7	22.6	22.1	21.2	20.6	19.9	19.3	18.8	18.4			36
38		27.3	29	30	29	28.8	27.4	26.5	26.4	24.8	24.9	23.7	23.7	22.3	22	20.9	20.6	20	18.9	18.5	18.3	18	17.6			38
40		24.5	26	27.4	26.7	26.5	25.4	24.6	24.5	23	23.1	21.9	22	20.6	20.3	19.3	18.9	18.5	17.4	17	16.8	16.5	16.2			40
45			20.3	21.6	21.6	22	21.1	20.5	20.5	19.1	19.3	18.2	18.3	17.1	16.9	15.9	15.6	15.2	14.2	13.9	13.7	13.5	13.2			45
50			16	17.3	17.3	17.9	17.4	17.1	17.2	16	16.2	15.4	15.5	14.3	14.1	13.1	13	12.6	11.6	11.4	11.3	11.1	10.9			50
55			12.9	14.1	14.1	14.6	14.1	14	14.1	13.1	13.4	12.7	12.9	11.9	11.8	10.9	10.8	10.5	9.5	9.4	9.3	9.1	8.9			55
60				11.5	11.5	12	11.6	11.5	11.6	10.6	10.9	10.3	10.5	9.7	9.6	9	9	8.8	7.8	7.7	7.6	7.5	7.3			60
65				9.6	9.6	9.9	9.6	9.5	9.6	8.9	9.1	8.6	8.8	8.1	8	7.4	7.5	7.3	6.4	6.3	6.2	6.1	5.9			65
70					8.2	8.5	8.3	8.2	8.3	7.6	7.8	7.3	7.4	6.7	6.8	6.1	6.2	6	5.1	5.1	5	4.9	4.7			70
75					7.1	7.4	7.1	7	7.1	6.4	6.6	6.1	6.3	5.6	5.6	5	5.1	4.9	4	4	3.9	3.8	3.6			75
80						6.4	6.1	6	6.1	5.4	5.6	5.2	5.4	4.7	4.7	4	4.1	4	2.8	2.9	2.8	2.6	2.4			80
85						5.6	5.3	5.2	5.3	4.6	4.8	4.3	4.5	3.9	3.9	3	3.2	3	1.7	1.8	1.8	1.6				85
90						4.9	4.6	4.5	4.6	3.9	4.1	3.6	3.8	3	3.1	2	2.1	2								90
95							3.9	3.8	3.9	3.2	3.4	3	3.1	2.1	2.1											95
100								3.4	3.2	3.3	2.6	2.8	2.2	2.5												100
105									2.7	2.8	1.9	2.2		1.7												105
110										2.2	2.3															110
115											1.7	1.7														115

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Lifting capacities Forces de levage

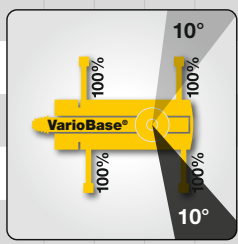
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85%



	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197			
	ft																									
10	153.2	150.1	148.6	146.6	128.5																				10	
11	153.2	151	149.3	147	131.8																				11	
12	153.2	151.5	149.9	147.5	132.3																				12	
13	153.2	151.7	148.8	140	121.3	111.3																			13	
14	144.4	143.1	138	126.8	118.4	103.4																			14	
15	133.6	132.5	128.5	119.7	109.8	96.3	84.9																		15	
16	124.3	124.1	121.9	116	102.1	89.9	79.6																		16	
17	116	117.3	117.3	107.6	95.2	84.4	75	66.8																	17	
18	108.2	110	110	100.1	89.1	79.4	70.8	65.9																	18	
19	101.2	103.6	102.5	93.5	83.6	74.7	67.9	62.8	60.4																19	
20	94.8	97.7	95.5	87.7	78.7	70.5	66.1	59.7	57.3	54															20	
22	83.8	86.9	85.5	77.8	70.3	63.5	60.2	54.2	52.2	49.8	47.4	45													22	
24	74.3	77.4	76.1	69.7	63.5	59.5	54.9	50.9	47.8	46.7	43.4	41.9	40.1												24	
26	66.1	69.2	68.3	63.1	57.8	54.9	50.3	47.4	43.9	43.2	39.9	40.1	37.3	36.6											26	
28	59.1	61.9	61.9	58	52.7	50.5	46.3	43.9	40.6	40.6	36.8	37.3	34.4	34.2	25.6	29.1									28	
30	53.4	55.3	56.4	53.1	49.8	46.5	42.8	40.6	37.5	37.9	34.2	35.7	31.7	32.6	25.4	29.1	23.8	22.3	23.6						30	
32		50.5	51.8	48.9	46.5	43.2	39.9	37.9	34.8	35.9	31.5	33.3	29.3	30.4	25.1	27.8	23.6	22	23.6	21.2	20.1	19.6	19		32	
34		46.3	47.6	45.2	43.2	40.1	37	35.3	32.4	34.2	29.3	31.1	27.3	28.4	24.9	26.2	23.6	22	23.4	20.9	20.1	19.4	19		34	
36		42.5	43.9	42.1	40.3	37.5	35.1	33.1	30.2	32	28.4	29.5	26.9	27.6	24.5	25.4	23.1	21.8	22.9	20.9	19.8	19.4	19		36	
38		39.2	40.8	39.2	37.7	35.1	34	31.7	29.3	29.8	27.6	28	26.2	25.8	24	23.8	22.9	21.6	21.6	20.7	19.8	19.2	18.7		38	
40		36.4	37.7	36.6	35.3	32.8	32	30.4	28.2	28	26.5	26.2	25.6	24.3	23.6	22.3	21.8	21.4	20.1	19.8	19.6	19.2	18.7		40	
45			32	32	30.2	28.2	27.3	26	25.8	24	24	22.5	22.3	20.7	20.3	19.2	18.7	18.3	17.2	17	16.8	16.5	16.3		45	
50			27.6	27.6	26	25.4	23.8	22.7	22.5	20.7	20.7	19.4	19.4	18.1	17.6	16.5	16.3	15.9	14.8	14.6	14.6	14.3	14.1		50	
55			23.8	24	22.7	22	20.7	19.8	19.6	18.1	17	17	15.7	15.4	14.3	14.1	13.9	12.8	12.6	12.6	12.3	12.1			55	
60				21.2	19.8	19.4	18.3	17.4	17.4	15.9	16.1	15	15	13.7	13.4	12.3	12.3	11.9	11	10.8	10.8	10.6	10.4		60	
65				18.5	17.6	17.4	16.1	15.4	15.4	14.1	14.1	13.2	13.2	11.9	11.7	10.8	10.8	10.4	9.5	9.3	9.3	9	8.8		65	
70					15.7	15.4	14.3	13.7	13.7	12.3	12.6	11.7	11.7	10.6	10.4	9.5	9.3	9	8.2	7.9	7.9	7.7	7.5		70	
75					13.9	13.7	12.8	12.3	12.1	11	11.2	10.1	10.4	9.3	9	8.2	7.9	7.7	6.8	6.6	6.6	6.4	6.2		75	
80						12.3	11.5	10.8	10.8	9.7	9.9	9	9	7.9	7.7	6.8	6.8	6.6	6.6	5.5	5.5	5.5	5.3	5.1		80
85						11.2	10.1	9.7	9.7	8.6	8.6	7.9	7.9	6.8	6.8	6	5.7	5.5	4.6	4.6	4.6	4.4	4.2		85	
90						9.9	9.3	8.6	8.6	7.5	7.7	6.8	7.1	6	5.7	4.9	4.9	4.6	3.7	3.7	3.7	3.5	3.3		90	
95							8.4	7.7	7.7	6.6	6.8	6	6.2	5.1	5.1	4.2	4.2	4	3.1	3.1	2.9	2.9	2.4		95	
100							7.5	7.1	7.1	6	6.2	5.3	5.3	4.4	4.2	3.5	3.5	3.3	2	2.2	2	1.8	1.5		100	
105								6.4	6.4	5.3	5.5	4.6	4.6	3.7	3.7	2.9	2.9	2.6	1.3	1.3	1.3	1.1	0.9		105	
110								6	5.7	4.6	4.9	4	4.2	3.1	3.1	2.2	2.2	1.8	0.7	0.9	0.7	0.7	0.4		110	
115								5.3	5.3	4.2	4.4	3.5	3.5	2.6	2.6	1.3	1.5	1.3							115	
120									4.9	3.7	4	3.1	3.1	2.2	2	0.9	0.9	0.9							120	
125										3.5	3.5	2.6	2.6	1.5	1.3	0.7	0.7	0.4							125	
130											3.1	2.4	2.4	1.1	1.1										130	
135												2.2	2	0.9	0.7										135	
140												1.8	1.8	0.4	0.4										140	
145													1.5	0.4											145	



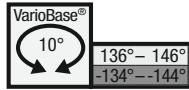
+50%

LTM_1110-5.1_Mulli_0

Lifting capacities

Forces de levage

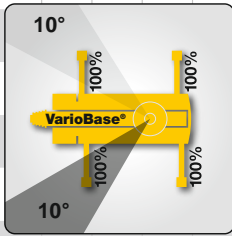
T



85%

VarioBase®

	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197		
	ft																								
10	153.2	150.1	148.6	146.6	128.5																				10
11	153.2	151	149.3	147	131.8																				11
12	153.2	151.5	149.9	147.5	132.7																				12
13	153.2	151.7	149.7	146.2	130.5	111.3																			13
14	145.3	144	138.9	135.8	128.7	111.3																			14
15	134.5	133.2	129.2	126.8	121	108.7	90.2																		15
16	125	124.1	121.9	120.2	116	101.6	87.7																		16
17	116.8	118.2	116.4	113.3	107.4	93.7	81.6	71																	17
18	106.7	109.1	106.9	104.9	99.9	86.9	75.8	67.7																	18
19	98.1	101.2	100.3	98.3	92.4	80.9	71	65	62.2																19
20	91.3	94.4	94.6	92.6	85.8	75.6	66.6	62.2	59.3	55.3															20
22	78.9	82.5	83.8	81.6	75	66.6	62.4	55.6	53.1	49.8	47.6	45													22
24	69	72.3	74.1	73	66.4	59.5	56	50.9	47.8	46.7	43	41.9	39.7												24
26	61.3	64.2	65.7	65.5	59.1	56	50.7	47.4	43.4	42.8	39.2	39.2	36.2	35.5											26
28	54.7	57.3	59.1	59.5	53.4	50.7	46.1	43.4	39.7	39.7	35.7	37	33.1	34.2	25.6	29.1									28
30	49.4	51.8	53.1	53.8	49.8	46.3	42.3	39.9	36.4	37.5	32.8	34.6	30.4	31.5	25.4	28.9	23.8	22.3	23.6						30
32		47	48.5	48.9	46.3	42.5	38.8	36.8	33.5	35.3	30.4	32	28.2	29.1	25.1	26.7	23.6	22	23.6	21.2	20.1	19.6	19		32
34		42.8	44.5	44.8	42.5	39.2	36.4	34	31.3	32.6	29.3	30.4	27.3	28.2	24.9	26	23.6	22	23.4	20.9	20.1	19.4	19		34
36		39.7	41	41.2	39.2	36.4	34.8	32.8	30.2	30.4	28.4	28.7	26.9	26.5	24.5	24.3	23.1	21.8	22	20.9	19.8	19.4	19		36
38		36.6	38.1	37.9	36.4	33.7	32.6	30.9	29.3	28.4	27.6	26.7	26.2	24.7	24	22.7	22.3	21.6	20.7	20.3	19.8	19.2	18.7		38
40		34	35.5	35.9	34	31.3	30.4	28.9	28.2	26.7	26.5	25.1	24.7	23.1	22.5	21.4	20.9	20.5	19.2	19	18.7	18.5	18.3		40
45			30	30	28.2	27.6	25.8	24.5	24.5	22.5	22.5	21.2	21.2	19.6	19.2	17.9	17.6	17.2	16.1	15.9	15.7	15.4	15.2		45
50			25.4	25.1	23.8	23.4	21.8	20.9	20.7	19.2	19.2	18.1	17.9	16.5	16.3	15	15	14.6	13.4	13.2	13.2	13	12.8		50
55			20.7	21.6	20.3	20.1	18.7	18.1	17.9	16.3	16.5	15.4	15.4	14.1	13.9	12.8	12.8	12.3	11.2	11.2	11	11	10.8		55
60				18.5	17.6	17.4	16.3	15.7	15.4	14.1	14.3	13.2	13.2	12.1	11.9	10.8	10.8	10.6	9.5	9.5	9.3	9.3	9		60
65				15.7	15.4	15.2	14.1	13.7	13.7	12.1	12.3	11.5	11.5	10.4	10.1	9.3	9.3	9	7.9	7.9	7.9	7.7	7.5		65
70					13.4	13.4	12.3	11.9	11.9	10.6	10.8	9.9	10.1	8.8	8.8	7.9	7.9	7.7	6.6	6.6	6.6	6.4	6.2		70
75					11.5	11.9	11	10.4	10.4	9.3	9.5	8.6	8.8	7.7	7.5	6.6	6.6	6.4	5.3	5.5	5.3	5.3	5.1		75
80						10.6	9.7	9.3	9.3	7.9	8.2	7.5	7.5	6.4	6.4	5.5	5.5	5.3	4.4	4.4	4.4	4.2	4		80
85						9	8.6	8.2	8.2	7.1	7.3	6.4	6.6	5.5	5.5	4.6	4.6	4.4	3.5	3.5	3.5	3.3	3.1		85
90						7.9	7.5	7.1	7.3	6.2	6.4	5.5	5.7	4.6	4.6	3.7	3.7	3.5	2.4	2.4	2.4	2.2	2		90
95						6.6	6.4	6.4	6.4	5.3	5.5	4.6	4.9	4	3.7	3.1	3.1	2.9	1.3	1.5	1.3	1.3	1.1		95
100							5.7	5.5	5.5	4.6	4.9	4	4.2	3.1	3.1	2	2.2	1.8	0.9	0.9	0.9	0.7	0.4		100
105								4.9	5.1	4	4.2	3.3	3.5	2.4	2.4	1.3	1.3	1.1							105
110								4.2	4.4	3.3	3.5	2.9	2.9	1.8	1.5	0.7	0.9	0.7							110
115								3.7	3.7	2.9	3.1	2.2	2.4	1.1	1.1		0.4								115
120									3.3	2.4	2.6	1.8	1.8	0.7	0.7										120
125										2	2.2	1.1	1.3												125
130											1.8	0.9	0.9												130
135												0.7	0.7												135
140													0.4	0.4											140

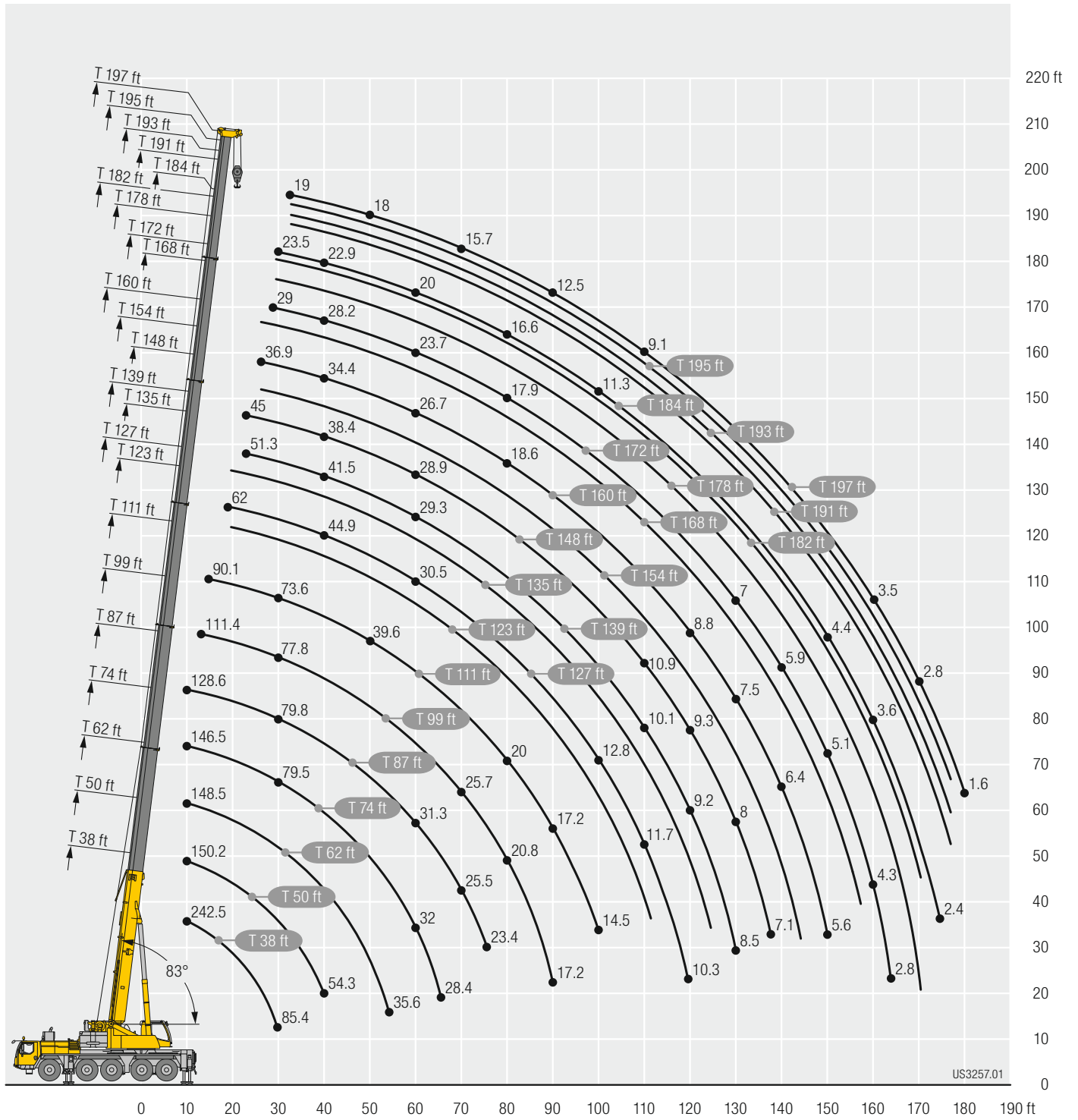


+33%

LTM_1110-5.1_Multi_0

Lifting heights Hauteurs de levage

T



Lifting capacities

Forces de levage

TK



	38 ft			111 ft			115 ft			117 ft			123 ft			130 ft			135 ft			142 ft				
	K 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°		
10	32.5																								10	
11	32.5																									11
12	32.5																									12
13	32.5																									13
14	32.5																									14
15	32.5																									15
16	32.5	32.5																								16
17	32.5	32.5																								17
18	32.5	32.5																								18
19	32.5	32.5																								19
20	32.5	32.5		32.5																						20
22	32.5	32.5		32.5																						22
24	32.5	32.3	23.7	32.5			22.2			21.6			32.5													24
26	32.5	31.4	22.8	32.5			21.9			21.3			32.5			19.7			30.4							26
28	32.1	29.9	22	32.5			21.4			20.9			32.5			19.5			30.4			17.5				28
30	30.9	28.4	21.2	32.5	32.5		21			20.5			32.5			19.2			30.4			17.3				30
32	29.5	26.8	20.6	32.5	32.1		20.5			20.1			32.5			18.9			30.3			17.1				32
34	28.1	25.5	20	32.5	31.4		19.9	17.9		19.6	17.7		32.5	30.9		18.6			30.1			16.9				34
36	26.6	24.4	19.4	32.5	30.6		19.4	17.3		19	17.1		32.5	30.5		18.2	16.7		29.9	27.5		16.7				36
38	24.9	23.4	18.8	32.5	29.8	21	18.8	16.8		18.5	16.6		32.5	30		17.8	16.3		29.7	27.2		16.4	14.8			38
40	23.3	22.5	18.3	32.4	29	20.6	18.2	16.2		18	16.1		32.5	29.6		17.4	15.8		29.5	26.9		16.1	14.5			40
45	20.1	20.3	17.3	31.6	27.3	19.9	16.9	15	13.8	16.7	14.9	13.7	32.5	28.3	20.3	16.3	14.8	13.4	28.5	26.2	20	15.3	13.8			45
50	17.5	18.7	16.4	30.6	25.8	19.2	15.7	13.9	12.9	15.4	13.9	12.8	31.2	26.8	19.6	15.3	13.8	12.6	27.3	25.5	19.4	14.5	13.1	12.2		50
55	15.3	17.3	15.9	29.6	24.5	18.6	14.6	13	12.1	14.2	12.9	12	29.6	25.4	19	14.3	12.9	11.9	25.8	24.7	18.8	13.8	12.3	11.6		55
60	13.6	16.1	15.7	28.2	23.4	18.1	13.4	12.2	11.4	13	12.1	11.3	27.9	24.3	18.5	13.3	12.1	11.2	24.1	23.6	18.3	13	11.7	11		60
65	12.1	15.5		26.1	22.2	17.6	12.4	11.4	10.8	11.9	11.4	10.7	25.4	23.2	18	12.3	11.5	10.6	22.5	22.2	17.9	12.2	11.1	10.4		65
70				23.8	21.2	17.2	11.4	10.7	10.2	11	10.6	10.2	22.7	22.2	17.6	11.4	10.8	10.1	20.8	20.9	17.4	11.4	10.6	10		70
75				21.2	20.3	16.8	10.7	10	9.7	10.2	10	9.7	20.1	20.7	17.1	10.6	10.2	9.8	18.8	19.5	17.1	10.7	10.1	9.6		75
80				18.8	19.5	16.4	10	9.5	9.2	9.6	9.4	9.2	17.7	19	16.7	9.9	9.6	9.3	17.2	17.8	16.8	10	9.6	9.3		80
85				16.8	17.8	16.2	9.3	9.1	8.8	9	8.9	8.8	15.7	16.8	16.3	9.4	9.2	9	15.4	15.8	16.3	9.5	9.1	8.9		85
90				15	15.9	15.9	8.8	8.7	8.5	8.5	8.4	8.4	14.3	14.9	15.5	8.9	8.7	8.6	13.7	14.6	14.8	9	8.7	8.6		90
95				13.4	14.2	14.7	8.3	8.2	8.2	8	7.9	8	12.8	13.6	13.9	8.4	8.3	8.2	12.2	13.1	13.7	8.6	8.3	8.3		95
100				12	12.7	13.1	7.9	7.8	7.8	7.6	7.5	7.6	11.3	12.1	12.7	8	7.9	7.9	11.4	11.6	12.2	8.2	8	7.9	100	
105				10.7	11.3	11.7	7.5	7.4	7.5	7.2	7.2	7.2	10.4	10.8	11.3	7.6	7.5	7.5	10.3	10.6	10.8	7.8	7.7	7.6	105	
110				9.7	10.1	10.4	7.1	7.1	7.1	6.8	6.8	6.9	9.8	9.7	10.1	7.3	7.2	7.2	9.3	9.8	10	7.4	7.3	7.4	110	
115				8.8	9.2	9.4	6.8	6.7	6.8	6.5	6.5	6.6	9.1	9.3	9.3	7	6.9	6.9	8.5	9	9.3	7	7	7	115	
120				8.1	8.4	8.6	6.4	6.4	6.5	6.2	6.2	6.2	8.3	8.7	8.9	6.6	6.6	6.6	8.1	8.2	8.5	6.7	6.7	6.8	120	
125				7.4	7.7	7.8	6.1	6.1	6.2	5.9	5.9	6	7.6	8	8.1	6.4	6.3	6.4	7.7	7.7	7.8	6.4	6.4	6.5	125	
130				6.8	7	7	5.9	5.9	6	5.6	5.6	5.7	7	7.3	7.4	6.1	6.1	6.1	7.3	7.4	7.4	6.1	6.1	6.2	130	
135				6.3	6.4		5.7	5.7	5.8	5.3	5.4	5.5	6.6	6.7	6.8	5.9	5.9	5.9	7	6.9	7	5.8	5.8	5.9	135	
140							5.5	5.5		5.1	5.2	5.3	6.4	6.3	6.5	5.6	5.6	5.7	6.6	6.7	6.7	5.5	5.6	5.6	140	
145										5			6.1	6.2	6	5.4	5.4	5.5	6.1	6.3	6.4	5.3	5.3	5.4	145	
150													6	6.1		5.2	5.3	5.3	5.6	5.8	5.9	5.1	5.1	5.1	150	
155																5.1	5.1		5.2	5.3	5.4	4.8	4.9	4.9	155	
160																			4.9	4.9		4.6	4.7	4.8	160	
165																						4.5	4.5		165	
170																						3.1			170	

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Lifting capacities

Forces de levage

TK



	144 ft			148 ft			154 ft			156 ft			160 ft			166 ft			168 ft			170 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°		
28	17			24.5																					28	
30	16.9			24.5			14.8			14.3			14.9			13.1									30	
32	16.7			24.5			14.7			14.3			19.8			13.1			12.7					12.3	32	
34	16.5			24.4			14.7			14.3			19.8			13.1			12.7					12.4	34	
36	16.3			24.4			14.5			14.1			19.8			13.1			12.7					12.4	36	
38	16.1	14.5		24.3			14.4			14			19.8			13			12.6					12.3	38	
40	15.8	14.3		24.1	22.6		14.2	13.8		13.9			19.6			12.9			12.6					12.3	40	
45	15.1	13.6		23.6	22.2		13.8	13.2		13.5	12.9		19.3	18.1		12.7	12.3		12.3	12			12	11.8	45	
50	14.3	12.9	12.1	23	21.9	19	13.3	12.7	11.9	13	12.4	11.8	18.9	17.7		12.3	11.9		12	11.6			11.8	11.4	50	
55	13.6	12.2	11.5	22.2	21.2	18.4	12.7	12.1	11.4	12.5	11.9	11.2	18.4	17.6	17.3	11.9	11.4	11	11.6	11.2	10.9		11.4	11	10.8	55
60	12.8	11.6	10.9	21.1	20.2	18	12.2	11.5	10.8	11.9	11.4	10.7	17.8	17.1	16.7	11.5	11	10.5	11.3	10.8	10.4		11.1	10.6	10.3	60
65	12	11	10.4	19.9	19.2	17.6	11.6	10.9	10.3	11.4	10.8	10.2	17	16.3	15.9	11.1	10.5	10.1	10.8	10.4	10		10.7	10.3	9.9	65
70	11.2	10.5	9.9	18.7	18.2	17.2	11.1	10.4	9.9	10.9	10.3	9.9	16.2	15.5	15.2	10.6	10.1	9.8	10.4	10	9.7		10.3	9.9	9.6	70
75	10.4	10	9.6	17.5	17.2	16.7	10.5	10	9.6	10.3	9.9	9.5	15.4	14.8	14.4	10.2	9.8	9.4	10	9.7	9.4		9.9	9.6	9.3	75
80	9.8	9.5	9.2	16.2	16.2	16	9.9	9.6	9.2	9.8	9.5	9.2	14.6	14.1	13.8	9.8	9.4	9.1	9.6	9.3	9.1		9.5	9.3	9	80
85	9.3	9.1	8.9	14.5	15.2	15.2	9.5	9.2	8.9	9.3	9.1	8.9	13.8	13.4	13.2	9.4	9.1	8.9	9.2	9	8.8		9.1	8.9	8.8	85
90	8.8	8.7	8.6	13.2	13.9	14.4	9.1	8.8	8.6	8.9	8.8	8.6	12.7	12.8	12.6	9	8.7	8.6	8.8	8.6	8.5		8.7	8.6	8.5	90
95	8.3	8.3	8.3	12.1	12.2	13.1	8.7	8.4	8.3	8.4	8.4	8.3	11.4	12.1	12	8.6	8.4	8.3	8.4	8.3	8.3		8.4	8.3	8.2	95
100	7.9	7.9	7.9	10.8	11.4	11.5	8.3	8.1	8	8.1	8	8	10.3	10.9	11.4	8.3	8.1	8	8.1	8	8		8	8	7.9	100
105	7.4	7.5	7.6	9.7	10.4	10.9	8	7.8	7.8	7.7	7.7	7.7	9.8	9.8	10.3	8	7.8	7.7	7.7	7.7	7.7		7.7	7.6	7.7	105
110	7.1	7.1	7.2	9.2	9.4	9.8	7.6	7.5	7.5	7.3	7.3	7.4	9	9.3	9.3	7.7	7.5	7.5	7.4	7.4	7.4		7.4	7.3	7.4	110
115	6.7	6.8	6.8	8.6	8.7	8.9	7.3	7.2	7.2	7	7	7.1	8.2	8.7	8.8	7.4	7.3	7.2	7.1	7.1	7.1		7.1	7.1	7.1	115
120	6.4	6.4	6.5	7.9	8.3	8.3	7	7	7	6.7	6.7	6.8	7.4	7.9	8.3	7.1	7	7	6.8	6.8	6.8		6.8	6.8	6.8	120
125	6.1	6.1	6.2	7.2	7.7	7.9	6.7	6.7	6.7	6.4	6.4	6.5	7.1	7.2	7.7	6.8	6.8	6.8	6.5	6.5	6.6		6.5	6.5	6.6	125
130	5.8	5.9	5.9	6.7	7	7.3	6.4	6.4	6.5	6.1	6.1	6.2	6.8	6.8	7	6.5	6.5	6.6	6.3	6.3	6.3		6.3	6.3	6.3	130
135	5.5	5.6	5.6	6.4	6.4	6.6	6.1	6.2	6.2	5.9	5.9	5.9	6.3	6.6	6.7	6.3	6.3	6.4	6	6	6.1		6	6	6.1	135
140	5.3	5.3	5.4	6.2	6.1	6.2	5.9	5.9	6	5.6	5.6	5.7	5.8	6.1	6.3	5.8	6.1	6.1	5.7	5.8	5.8		5.7	5.8	5.9	140
145	5	5.1	5.1	5.7	5.9	6	5.7	5.7	5.7	5.4	5.4	5.5	5.3	5.6	5.8	5.3	5.7	5.9	5.3	5.5	5.6		5.2	5.5	5.6	145
150	4.8	4.8	4.9	5.3	5.6	5.7	5.4	5.5	5.5	5.2	5.2	5.2	4.9	5.1	5.3	4.9	5.2	5.3	4.8	5.1	5.3		4.8	5.1	5.2	150
155	4.6	4.6	4.7	4.9	5.2	5.2	5	5.2	5.3	4.9	5	5	4.4	4.7	4.8	4.5	4.7	4.9	4.4	4.7	4.8		4.3	4.6	4.8	155
160	4.4	4.4	4.5	4.5	4.7	4.8	4.6	4.8	4.8	4.5	4.7	4.8	4	4.3	4.3	4	4.3	4.4	4	4.3	4.4		3.9	4.2	4.3	160
165	4.2	4.3	4.3	4.1	4.3	4.3	4.2	4.4	4.4	4.1	4.3	4.4	3.5	3.8	3.9	3.6	3.9	4	3.6	3.9	4		3.5	3.8	3.9	165
170	4.1	4.1		3.7	3.9		3.8	4	3.9	3.7	3.9	3.9	3.1	3.3	3.4	3.2	3.4	3.5	3.1	3.4	3.5		3.1	3.3	3.4	170
175				3.4			3.4	3.5	3.4	3.4	3.5	3.4	2.7	2.9	2.9	2.8	3	3	2.8	3	3		2.6	2.9	3	175
180							3.1	3.1		3	3.1		2.4	2.5	2.4	2.4	2.6	2.6	2.4	2.6	2.6		2.3	2.5	2.5	180
185													2.1	2.1		2.1	2.2	2.2	2	2.2	2.2		2	2.1	2.1	185
190																1.8	1.9		1.7	1.8			1.7	1.8	1.7	190
195																		1.5					1.3	1.4		195

L_197_002_00001_00_000

Lifting capacities

Forces de levage

TK



	172 ft			178 ft			182 ft			184 ft			186 ft			191 ft			195 ft			197 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°		
32	14.7			11.6			10.9																		32	
34	14.7			11.6			10.9			11.6			11.3			10.2			9.6			9.4			34	
36	14.7			11.7			10.9			11.6			11.3			10.2			9.6			9.4			36	
38	14.7			11.7			11			11.6			11.3			10.2			9.6			9.4			38	
40	14.7			11.7			11			11.6			11.3			10.2			9.7			9.4			40	
45	14.7	14.6		11.6	11.3		10.9			11.6			11.3			10.3			9.7			9.5			45	
50	14.5	14.3		11.4	11.1		10.8	10.4		11.5	11.3		11.3	11		10.2	9.9		9.7	9.5		9.5	9.3		50	
55	14.2	14.1	13.8	11.1	10.8	10.6	10.5	10.3		11.4	11.1		11.1	10.8		10.1	9.8		9.6	9.3		9.4	9.1		55	
60	13.9	13.7	13.7	10.8	10.4	10.3	10.3	10	10	11.2	10.8	10.4	10.9	10.6	10.3	9.9	9.6	9.7	9.5	9.2	9.2	9.3	9	9	60	
65	13.5	13.3	13.2	10.5	10.1	9.9	10.1	9.8	9.7	10.9	10.5	10.1	10.7	10.4	10	9.7	9.5	9.5	9.3	9.1	9.2	9.2	8.9	9	65	
70	13	12.7	12.6	10.2	9.8	9.6	9.8	9.5	9.5	10.7	10.2	9.8	10.5	10.1	9.7	9.5	9.3	9.3	9.1	9	9	9	8.9	8.9	70	
75	12.5	12.2	12	9.8	9.5	9.3	9.5	9.3	9.2	10.4	9.8	9.5	10.2	9.8	9.4	9.3	9.1	9	9	8.8	8.8	8.8	8.7	8.7	75	
80	12	11.6	11.5	9.5	9.2	9.1	9.2	9	8.9	10.1	9.5	9.2	9.9	9.5	9.2	9.1	8.9	8.8	8.8	8.6	8.6	8.6	8.6	8.6	8.5	80
85	11.4	11.2	11	9.2	9	8.8	8.9	8.8	8.7	9.7	9.3	9	9.6	9.2	8.9	8.8	8.7	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.3	85
90	10.9	10.7	10.6	8.9	8.7	8.6	8.6	8.5	8.4	9.4	9	8.8	9.3	9	8.7	8.6	8.4	8.4	8.3	8.2	8.2	8.2	8.2	8.2	8.1	90
95	10.4	10.2	10.2	8.6	8.4	8.3	8.3	8.2	8.2	9.1	8.8	8.6	9	8.7	8.5	8.3	8.2	8.2	8.1	8	8	7.9	7.9	8	95	
100	9.9	9.8	9.8	8.3	8.1	8	8	7.9	7.9	8.7	8.5	8.4	8.7	8.5	8.3	8.1	8	7.9	7.8	7.7	7.8	7.7	7.7	7.8	100	
105	9.4	9.4	9.4	8	7.8	7.8	7.7	7.7	7.7	8.4	8.3	8.1	8.4	8.2	8.1	7.9	7.8	7.7	7.6	7.5	7.6	7.5	7.5	7.5	105	
110	8.5	8.9	9.1	7.7	7.6	7.5	7.4	7.4	7.4	8.1	8	8	8	8	7.9	7.6	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.3	110	
115	7.9	8.3	8.6	7.5	7.3	7.3	7.1	7.1	7.1	7.7	7.8	7.7	7.6	7.7	7.7	7.4	7.3	7.3	7.1	7	7.1	6.9	7	7.1	115	
120	7.6	7.5	7.9	7.2	7.1	7.1	6.9	6.9	6.9	7.1	7.5	7.5	7	7.5	7.5	7.1	7.1	7.1	6.8	6.8	6.9	6.6	6.8	6.8	120	
125	7.1	7.3	7.3	6.9	6.9	6.9	6.6	6.6	6.7	6.4	7	7.3	6.3	6.9	7.3	6.5	6.8	6.9	6.4	6.6	6.6	6.3	6.5	6.6	125	
130	6.4	6.9	7	6.4	6.7	6.7	6.3	6.4	6.4	5.8	6.3	6.7	5.7	6.2	6.6	5.9	6.4	6.6	5.8	6.2	6.4	5.7	6.1	6.3	130	
135	5.9	6.3	6.6	5.9	6.3	6.4	5.8	6.2	6.2	5.2	5.7	6	5.1	5.6	6	5.3	5.8	6.1	5.2	5.7	6	5.1	5.6	5.9	135	
140	5.3	5.7	6	5.4	5.8	6	5.2	5.7	5.9	4.7	5.2	5.5	4.6	5.1	5.4	4.7	5.2	5.5	4.7	5.1	5.5	4.6	5	5.4	140	
145	4.8	5.2	5.4	4.9	5.2	5.5	4.8	5.1	5.4	4.2	4.6	4.9	4.1	4.6	4.8	4.3	4.7	5	4.2	4.6	4.9	4.1	4.5	4.8	145	
150	4.4	4.7	4.9	4.4	4.8	5	4.3	4.7	4.9	3.7	4.2	4.4	3.6	4.1	4.3	3.8	4.2	4.5	3.7	4.1	4.4	3.6	4	4.3	150	
155	3.9	4.3	4.4	4	4.3	4.5	3.9	4.2	4.4	3.3	3.7	3.9	3.1	3.6	3.8	3.3	3.8	4	3.3	3.7	3.9	3.2	3.6	3.9	155	
160	3.5	3.8	4	3.5	3.9	4.1	3.4	3.8	4	2.8	3.2	3.4	2.7	3.1	3.4	2.9	3.3	3.6	2.8	3.2	3.5	2.7	3.1	3.4	160	
165	3	3.3	3.5	3.1	3.4	3.6	3	3.4	3.5	2.3	2.7	2.9	2.2	2.6	2.8	2.4	2.8	3.1	2.3	2.8	3	2.2	2.7	2.9	165	
170	2.6	2.9	3	2.7	3	3.1	2.6	2.9	3.1	1.9	2.3	2.5	1.8	2.2	2.4	2	2.4	2.6	1.9	2.3	2.5	1.8	2.2	2.4	170	
175	2.2	2.5	2.5	2.3	2.6	2.7	2.2	2.5	2.6	1.5	1.9	2	1.4	1.8	1.9	1.6	2	2.1	1.5	1.9	2.1	1.3	1.8	2	175	
180	1.8	2.1	2.1	1.9	2.2	2.2	1.8	2.1	2.2		1.4	1.6			1.4		1.5	1.7		1.5	1.6		1.3	1.6	180	
185	1.5	1.7	1.7	1.6	1.8	1.8	1.5	1.7	1.8																185	
190		1.3		1.4	1.5			1.4	1.4																190	

t_197_002_00001_00_000

Lifting capacities Forces de levage

TK



	38 ft			111 ft			115 ft			117 ft			123 ft			130 ft			135 ft			142 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°		
11	20.6																								11	
12	20.4																									12
13	20.2																									13
14	19.9																									14
15	19.6																									15
16	19.3																									16
17	19																									17
18	18.7																									18
19	18.4																									19
20	18																									20
22	17.3																									22
24	16.7				15.1																					24
26	16				15			11.2			11		14.8													26
28	15.4				15			11.2			11		14.6			10.3			13.4							28
30	14.8	11.3			14.8			11.2			10.9		14.5			10.2			13.3				9.5			30
32	14.2	10.9			14.6			11.1			10.9		14.4			10.2			13.3				9.5			32
34	13.6	10.6			14.4			11.1			10.9		14.3			10.2			13.2				9.4			34
36	13.1	10.3			14.2			11			10.8		14.1			10.2			13.1				9.4			36
38	12.6	10			14			10.9			10.7		14			10.1			13				9.4			38
40	12.1	9.8			13.8			10.9			10.7		13.8			10.1			12.8				9.3			40
45	11	9.3	8.1		13.3	9.9		10.6			10.4		13.3	10		9.9			12.5				9			45
50	10	8.8	7.8		12.7	9.6		10.3	8.8		10.2	8.8	12.8	9.7		9.6	8.7		12.2	9.6			8.7			50
55	9	8.4	7.5		12.2	9.3		10	8.6		9.9	8.6	12.3	9.4		9.4	8.5		11.8	9.3			8.6	8.2		55
60	8.3	8.1	7.3		11.6	9	7.6	9.6	8.4		9.5	8.3	11.8	9.2	7.6	9	8.3		11.4	9.1			8.4	8.1		60
65	7.6	7.8	7.1		11	8.8	7.5	9.2	8.2	7.2	9.1	8.1	7.2	11.4	8.9	7.5	8.8	8.1		11.1	8.8	7.5	8.2	8		65
70	7	7.5	7		10.5	8.6	7.3	8.7	8	7.1	8.7	7.9	7.1	10.9	8.7	7.4	8.5	7.9	7.1	10.7	8.6	7.3	8	7.8	7	70
75	6.5	7.3	6.9		10.1	8.4	7.2	8.3	7.7	7	8.3	7.7	7	10.4	8.5	7.3	8.2	7.6	7	10.3	8.4	7.3	7.8	7.5	6.9	75
80	6.1	7.1	6.9		9.7	8.1	7.1	7.9	7.4	6.9	7.9	7.4	6.9	10	8.3	7.2	7.9	7.3	6.9	10	8.2	7.2	7.6	7.2	6.9	80
85	5.7	7	6.9		9.4	7.9	7.1	7.5	7.1	6.8	7.5	7.1	6.8	9.7	8.1	7.1	7.6	7.1	6.8	9.7	8.1	7.1	7.4	7	6.7	85
90	5.3	6.9			9.1	7.8	7	7.2	6.7	6.5	7.1	6.7	6.5	9.4	7.9	7.1	7.3	6.8	6.5	9.4	7.9	7	7.2	6.8	6.5	90
95					8.9	7.6	6.9	6.9	6.5	6.3	6.8	6.5	6.3	9.2	7.8	7	7	6.5	6.3	9.1	7.8	7	6.9	6.5	6.3	95
100					8.6	7.5	6.9	6.6	6.2	6	6.5	6.2	6.1	8.9	7.6	6.9	6.7	6.3	6.1	8.9	7.6	6.9	6.7	6.3	6.1	100
105					8.3	7.4	6.8	6.3	6	5.8	6.2	5.9	5.8	8.6	7.5	6.9	6.4	6	5.9	8.7	7.5	6.8	6.4	6.1	5.9	105
110					8	7.3	6.8	6	5.7	5.6	5.9	5.7	5.6	8.4	7.4	6.8	6.1	5.8	5.7	8.5	7.4	6.8	6.2	5.9	5.7	110
115					7.6	7.2	6.8	5.7	5.5	5.4	5.6	5.5	5.5	8	7.3	6.8	5.9	5.6	5.5	8.1	7.3	6.8	6	5.7	5.5	115
120					7.3	7.1	6.8	5.5	5.3	5.3	5.3	5.3	5.3	7.7	7.2	6.8	5.6	5.5	5.3	7.8	7.2	6.8	5.7	5.5	5.4	120
125					7	7	6.8	5.3	5.1	5.1	5.1	5.1	5.1	7.3	7.1	6.8	5.4	5.3	5.2	7.4	7.1	6.8	5.5	5.3	5.2	125
130					6.8	6.9	6.8	5.1	4.9	4.9	4.8	4.9	5	7	7	6.8	5.1	5.1	5	7	7	6.8	5.3	5.2	5.1	130
135					6.5	6.9	6.8	4.8	4.8	4.8	4.6	4.7	4.8	6.7	6.9	6.8	4.9	4.9	4.9	6.5	6.8	6.8	5.1	5	5	135
140					6.3	6.9	6.8	4.6	4.6	4.7	4.4	4.5	4.6	6.4	6.5	6.8	4.7	4.7	4.8	5.9	6.6	6.7	4.9	4.8	4.9	140
145					5.9	6.3	6.5	4.4	4.5	4.5	4.2	4.3	4.4	6	6.3	6.4	4.5	4.5	4.6	5.6	6	6.4	4.6	4.7	4.7	145
150					5.5	5.8	5.9	4.2	4.3	4.4	4.1	4.1	4.2	5.6	6	6.2	4.4	4.4	4.5	5.4	5.5	5.9	4.5	4.5	4.6	150
155					5	5.3	5.3	4.1	4.1	4.2	3.9	3.9	4	5.1	5.5	5.7	4.2	4.2	4.3	5.2	5.3	5.4	4.3	4.3	4.4	155
160					4.6	4.8		3.9	4	4.1	3.7	3.8	3.9	4.7	5.1	5.2	4	4	4.1	4.8	5.1	5.2	4.1	4.2	4.3	160
165					4.2			3.8	3.8		3.6	3.6		4.5	4.6	4.7	3.9	3.9	4	4.5	4.8	4.9	3.9	4	4.1	165
170								3.7			3.5			4.3	4.4		3.7	3.8	3.9	4.3	4.4	4.5	3.7	3.8	3.9	170
175														4.1	4.2		3.6	3.7		4.2	4.2	4.4	3.6	3.7	3.7	175
180																	3.5	3.6		3.8	4		3.4	3.5	3.6	180
185																				3.5	3.6		3.3	3.4	3.5	185
190																				3.1			3.2	3.2		190
195																							2.9			195

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Lifting capacities

Forces de levage

TK



	144 ft			148 ft			154 ft			156 ft			160 ft			166 ft			168 ft			170 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°	
30	9.3			11.9																					30
32	9.3			11.8			9			8.8			10.4												32
34	9.3			11.7			9			8.8			10.4			8.4			8.2			8			34
36	9.2			11.7			8.9			8.8			10.3			8.3			8.1			8			36
38	9.2			11.6			8.9			8.7			10.3			8.3			8.1			8			38
40	9.1			11.6			8.8			8.7			10.2			8.2			8			7.9			40
45	8.8			11.4			8.5			8.3			10.2			7.9			7.7			7.6			45
50	8.5			11.2			8.3			8.1			10.1			7.7			7.5			7.4			50
55	8.4	8		11	9.1		8.1	7.7		8			9.9	8.8		7.5			7.4			7.2			55
60	8.2	8		10.7	8.9		8	7.7		7.8	7.5		9.8	8.6		7.4	7.1		7.2	6.9		7.1	6.8		60
65	8.1	7.9		10.4	8.7		7.9	7.6		7.7	7.4		9.7	8.4		7.3	7		7.1	6.9		7	6.7		65
70	7.9	7.7		10.2	8.5	7.3	7.7	7.5		7.5	7.4		9.5	8.3		7.2	7		7	6.8		6.9	6.7		70
75	7.7	7.5	6.9	9.9	8.3	7.2	7.6	7.4	6.9	7.4	7.3	6.9	9.4	8.1	7.1	7	6.9		6.9	6.8		6.8	6.7		75
80	7.5	7.2	6.9	9.7	8.1	7.1	7.4	7.2	6.8	7.3	7.1	6.8	9.2	8	7	6.9	6.9	6.7	6.8	6.7	6.7	6.7	6.6	6.7	80
85	7.4	6.9	6.6	9.4	8	7	7.2	6.9	6.6	7.1	6.9	6.6	9	7.8	7	6.8	6.8	6.5	6.7	6.7	6.5	6.6	6.6	6.5	85
90	7.1	6.7	6.4	9.2	7.8	7	7.1	6.7	6.4	7	6.7	6.4	8.9	7.7	6.9	6.7	6.6	6.3	6.6	6.6	6.3	6.5	6.5	6.3	90
95	6.9	6.5	6.2	9	7.7	6.9	6.9	6.5	6.2	6.8	6.5	6.2	8.7	7.6	6.9	6.6	6.4	6.2	6.5	6.4	6.1	6.4	6.4	6.1	95
100	6.7	6.3	6.1	8.7	7.6	6.9	6.7	6.3	6.1	6.7	6.3	6	8.5	7.5	6.8	6.5	6.3	6	6.4	6.2	6	6.3	6.2	5.9	100
105	6.4	6.1	5.9	8.5	7.5	6.8	6.5	6.1	5.9	6.5	6.1	5.9	8.4	7.4	6.8	6.4	6.1	5.8	6.3	6	5.8	6.2	6	5.8	105
110	6.1	5.8	5.7	8.3	7.3	6.8	6.3	5.9	5.7	6.2	5.9	5.7	8.2	7.3	6.7	6.2	5.9	5.7	6.2	5.9	5.7	6.1	5.9	5.6	110
115	5.9	5.7	5.5	8	7.3	6.8	6	5.7	5.6	6	5.7	5.6	7.8	7.2	6.7	6	5.7	5.5	6	5.7	5.5	5.9	5.7	5.5	115
120	5.6	5.5	5.4	7.7	7.2	6.7	5.8	5.5	5.4	5.8	5.5	5.4	7.2	7.1	6.7	5.8	5.6	5.4	5.8	5.5	5.4	5.7	5.5	5.4	120
125	5.3	5.3	5.2	7.2	7.1	6.7	5.6	5.4	5.3	5.5	5.4	5.3	6.9	7	6.7	5.6	5.4	5.3	5.5	5.4	5.3	5.5	5.4	5.3	125
130	5.1	5.1	5.1	6.5	7	6.7	5.4	5.2	5.2	5.3	5.2	5.1	6.6	6.7	6.7	5.4	5.3	5.2	5.3	5.2	5.2	5.3	5.2	5.2	130
135	4.9	5	4.9	6.3	6.7	6.7	5.2	5.1	5	5.1	5.1	5	6.1	6.4	6.6	5.3	5.1	5	5.1	5.1	5	5.1	5.1	5	135
140	4.6	4.8	4.8	6	6.2	6.6	5	4.9	4.9	4.8	4.9	4.9	5.5	6.2	6.3	5.1	5	4.9	4.9	5	4.9	4.9	4.9	4.9	140
145	4.4	4.5	4.7	5.5	5.8	6.1	4.8	4.8	4.8	4.6	4.7	4.8	5.2	5.8	6.1	4.9	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8	145
150	4.2	4.3	4.5	5.1	5.6	5.7	4.6	4.6	4.7	4.5	4.5	4.6	5	5.3	5.7	4.7	4.7	4.7	4.5	4.6	4.7	4.5	4.6	4.7	150
155	4	4.2	4.3	4.7	5.2	5.5	4.5	4.5	4.6	4.3	4.4	4.5	4.7	4.8	5.2	4.6	4.6	4.6	4.4	4.4	4.5	4.4	4.5	4.5	155
160	3.9	4	4.1	4.5	4.8	5.1	4.3	4.3	4.4	4.1	4.2	4.3	4.3	4.6	4.7	4.3	4.4	4.5	4.2	4.3	4.4	4.2	4.3	4.4	160
165	3.7	3.8	3.9	4.3	4.4	4.6	4.1	4.2	4.3	3.9	4	4.1	4	4.4	4.6	4	4.3	4.4	3.9	4.1	4.2	3.8	4.1	4.2	165
170	3.5	3.6	3.7	4.1	4.2	4.4	4	4	4.1	3.8	3.8	3.9	3.6	4.1	4.3	3.6	4.1	4.2	3.6	4	4.1	3.5	3.9	4.1	170
175	3.4	3.5	3.5	3.8	4.1	4.2	3.8	3.9	4	3.6	3.7	3.8	3.2	3.7	3.9	3.2	3.7	4	3.2	3.7	3.9	3.1	3.6	3.9	175
180	3.2	3.3	3.4	3.4	3.8	3.9	3.4	3.8	3.8	3.4	3.5	3.6	2.8	3.3	3.5	2.8	3.4	3.6	2.8	3.3	3.6	2.7	3.2	3.5	180
185	3.1	3.1	3.2	3.1	3.4	3.4	3.1	3.4	3.6	3	3.4	3.5	2.5	2.9	3.1	2.5	3	3.2	2.4	2.9	3.2	2.4	2.8	3.1	185
190	2.9	3		2.8	3	3	2.8	3.1	3.1	2.7	3	3.1	2.1	2.5	2.6	2.2	2.6	2.8	2.1	2.5	2.7	2	2.5	2.7	190
195	2.8	2.9		2.5	2.7		2.5	2.7	2.7	2.4	2.7	2.7	1.9	2.2	2.2	1.9	2.2	2.3	1.8	2.2	2.3	1.7	2.1	2.3	195
200				2.2			2.2	2.4		2.1	2.3		1.6	1.8	1.8	1.6	1.9	1.9	1.5	1.9	1.9	1.4	1.8	1.9	200
205							1.9	2		1.8	2			1.5			1.6	1.6		1.5	1.5		1.5	1.5	205
210										1.6															210

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Lifting capacities

Forces de levage

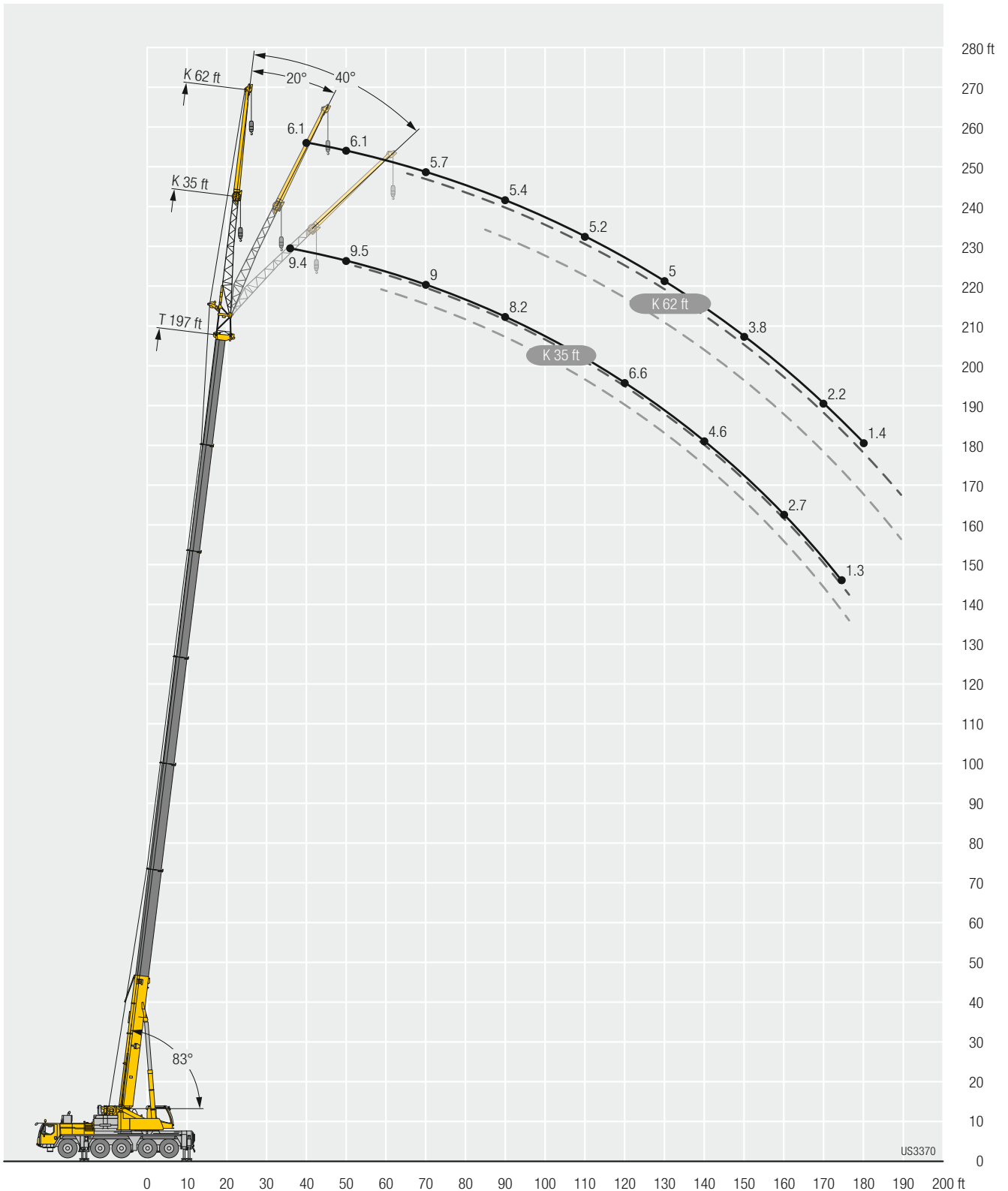
TK



	172 ft			178 ft			182 ft			184 ft			186 ft			191 ft			195 ft			197 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°	
34	9.1																								34
36	9.1			7.7			7.3			7.7															36
38	9			7.7			7.3			7.7			7.6			6.9									38
40	9			7.7			7.3			7.7			7.6			6.9			6.3				6.1		40
45	8.9			7.5			7.1			7.7			7.5			6.8			6.4				6.1		45
50	8.9			7.2			6.9			7.4			7.3			6.7			6.3				6.1		50
55	8.7			7			6.7			7.2			7.1			6.5			6.2				6.1		55
60	8.6	8		6.9	6.5		6.6			7			6.9			6.4			6.1				6		60
65	8.4	8		6.8	6.5		6.5	6.2		6.9	6.6		6.7	6.4		6.2	5.9		5.9	5.6			5.8	5.5	65
70	8.3	7.9		6.7	6.5		6.4	6.2		6.8	6.5		6.6	6.4		6.1	5.9		5.8	5.6			5.7	5.5	70
75	8.2	7.8	7	6.6	6.5		6.3	6.1		6.7	6.5		6.5	6.4		6	5.9		5.8	5.6			5.6	5.5	75
80	8.1	7.7	6.9	6.5	6.4	6.5	6.2	6.1	6.2	6.6	6.5	6.5	6.5	6.4		6	5.8		5.7	5.6			5.6	5.4	80
85	8	7.6	6.9	6.4	6.3	6.5	6.1	6.1	6.2	6.5	6.5	6.5	6.4	6.3	6.4	5.9	5.8	5.9	5.6	5.5	5.6	5.5	5.4	5.5	85
90	7.9	7.5	6.8	6.4	6.3	6.3	6.1	6.1	6.2	6.4	6.4	6.4	6.3	6.3	6.3	5.8	5.8	5.9	5.5	5.5	5.6	5.4	5.4	5.5	90
95	7.8	7.4	6.8	6.3	6.3	6.1	6	6	6.1	6.4	6.4	6.2	6.3	6.2	6.2	5.8	5.8	5.9	5.4	5.5	5.6	5.3	5.4	5.5	95
100	7.7	7.3	6.7	6.2	6.2	6	5.9	6	5.9	6.3	6.3	6.1	6.2	6.2	6	5.7	5.7	5.9	5.4	5.5	5.7	5.3	5.4	5.5	100
105	7.6	7.2	6.7	6.2	6	5.8	5.9	6	5.8	6.3	6.1	5.9	6.2	6.1	5.9	5.7	5.7	5.8	5.4	5.5	5.7	5.2	5.4	5.5	105
110	7.4	7.1	6.7	6.1	5.9	5.7	5.8	5.8	5.6	6.2	6	5.8	6.1	5.9	5.8	5.6	5.7	5.6	5.3	5.5	5.6	5.2	5.4	5.5	110
115	7.3	7	6.6	6	5.7	5.5	5.8	5.7	5.5	6.1	5.8	5.7	6.1	5.8	5.6	5.6	5.6	5.5	5.3	5.4	5.4	5.2	5.3	5.4	115
120	7	6.9	6.6	5.8	5.6	5.4	5.6	5.5	5.4	6	5.7	5.5	6	5.7	5.5	5.5	5.5	5.4	5.2	5.3	5.3	5.1	5.2	5.3	120
125	6.7	6.7	6.6	5.7	5.4	5.3	5.5	5.4	5.3	5.9	5.6	5.4	5.8	5.5	5.4	5.4	5.4	5.3	5.2	5.2	5.2	5.1	5.2	5.2	125
130	6	6.6	6.5	5.5	5.3	5.2	5.3	5.2	5.2	5.7	5.4	5.3	5.7	5.4	5.3	5.3	5.2	5.2	5.1	5.2	5.1	5	5.1	5.1	130
135	5.6	6.3	6.4	5.3	5.2	5.1	5.2	5.1	5	5.4	5.3	5.2	5.4	5.2	5.2	5.3	5.1	5.1	5	5	5	4.9	5	5	135
140	5.4	5.8	6.2	5.2	5	4.9	5	5	4.9	5.1	5.2	5.1	4.9	5.1	5.1	5	5	5	4.8	4.9	4.9	4.7	4.9	4.9	140
145	5.1	5.2	5.8	5	4.9	4.8	4.8	4.8	4.8	4.6	5	5	4.5	5	5	4.6	4.9	4.9	4.4	4.8	4.8	4.3	4.8	4.8	145
150	4.7	4.9	5.3	4.7	4.8	4.8	4.5	4.7	4.7	4.1	4.8	4.9	4	4.8	4.9	4.1	4.8	4.8	3.9	4.7	4.7	3.8	4.6	4.7	150
155	4.3	4.8	4.8	4.3	4.6	4.6	4.2	4.5	4.6	3.7	4.4	4.8	3.6	4.3	4.7	3.6	4.4	4.6	3.5	4.3	4.6	3.3	4.2	4.6	155
160	3.9	4.5	4.7	3.9	4.4	4.5	3.8	4.3	4.5	3.3	4	4.4	3.1	3.9	4.4	3.2	4	4.5	3.1	3.9	4.3	2.9	3.8	4.3	160
165	3.5	4.1	4.4	3.5	4.1	4.4	3.4	4	4.3	2.8	3.5	4	2.7	3.5	3.9	2.8	3.6	4	2.7	3.4	4	2.5	3.3	3.9	165
170	3.1	3.7	4	3.1	3.7	4	3	3.6	4	2.4	3.1	3.6	2.3	3.1	3.5	2.4	3.2	3.6	2.3	3	3.5	2.2	2.9	3.5	170
175	2.7	3.3	3.6	2.7	3.3	3.6	2.6	3.2	3.6	2	2.7	3.1	1.9	2.6	3.1	2	2.8	3.2	1.9	2.6	3.1	1.8	2.5	3	175
180	2.3	2.9	3.2	2.3	2.9	3.3	2.2	2.8	3.2	1.6	2.3	2.7	1.5	2.2	2.6	1.7	2.4	2.8	1.6	2.3	2.7	1.4	2.2	2.6	180
185	2	2.5	2.7	2	2.5	2.8	1.9	2.4	2.8				1.9	2.3					2	2.4					185
190	1.6	2.1	2.3	1.6	2.2	2.4	1.5	2.1	2.4				1.5	1.8					1.6	1.9					190
195		1.8	1.9		1.8	2																			195
200		1.4	1.5		1.5	1.6																			200

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Lifting heights Hauteurs de levage



Lifting capacities

Forces de levage



	38 ft + 23 ft			111 ft + 23 ft			115 ft + 23 ft			117 ft + 23 ft			123 ft + 23 ft			130 ft + 23 ft			135 ft + 23 ft			142 ft + 23 ft					
	K 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°			
10	32.5																								10		
11	32.5																									11	
12	32.5																									12	
13	32.5																									13	
14	32.5																									14	
15	32.5																									15	
16	32.5																									16	
17	32.5																									17	
18	32.5																									18	
19	32.5																									19	
20	32.5	31.7																								20	
22	32.4	29.8		28.2																						22	
24	31.3	28.1		28.2			14.1			13.6			26.8													24	
26	29.9	26.4		28.3			14.1			13.6			26.9		12.3			13.1								26	
28	28.6	25	22	27.9			14			13.6			26.8		12.2			22.2				10.6				28	
30	27.3	23.7	20.9	27.5			13.9			13.4			26.6		12.2			22.2				10.6				30	
32	26	22.5	20	27			13.7			13.3			26.3		12.1			22.2				10.6				32	
34	24.7	21.5	19.1	26.4	22.1		13.4			13.1			25.9		12			22				10.6				34	
36	23.3	20.5	18.3	25.9	21.5		13.2			12.8			25.4		11.8			21.8				10.5				36	
38	22.1	19.6	17.6	25.3	20.9		12.9	12.3		12.6	12.1		25	21.4		11.7		21.6				10.4				38	
40	20.9	18.6	16.8	24.6	20.3		12.6	11.9		12.3	11.7		24.5	20.8		11.5	11.1				21.3	19.1		10.3		40	
45	18.5	16.5	15.3	23	19	16.4	11.8	11		11.6	10.9		23.4	19.6	16.9		11	10.5			20.6	18.2		10	9.8	45	
50	16.4	14.9	13.9	21.5	17.9	15.6	11	10.2	9.9	10.8	10.1	9.8	22.1	18.5	16	10.4	9.9	9.5			19.8	17.3	15.5	9.6	9.4	50	
55	14.6	13.5	12.7	20.3	16.8	14.8	10.2	9.6	9.3	10.1	9.5	9.2	20.8	17.4	15.2	9.9	9.3	9			19.1	16.4	14.8	9.3	9	8.8	55
60	13.2	12.2	11.7	19	15.9	14	9.7	9.1	8.8	9.5	9	8.8	19.7	16.5	14.5	9.4	8.9	8.6			18.2	15.7	14.1	8.9	8.6	8.4	60
65	11.9	11.2	10.8	17.8	15.1	13.3	9.1	8.6	8.4	9	8.5	8.3	18.6	15.6	13.8	8.9	8.5	8.2			17.4	14.9	13.6	8.6	8.2	8	65
70	10.9	10.3	10.1	16.6	14.3	12.8	8.5	8.2	7.9	8.5	8.1	7.9	17.5	14.9	13.2	8.5	8.1	7.8			16.6	14.2	13	8.3	7.9	7.7	70
75	9.9	9.6	9.5	15.7	13.5	12.3	8	7.7	7.6	8	7.7	7.5	16.5	14.2	12.7	8.1	7.7	7.5			15.8	13.7	12.5	7.9	7.5	7.3	75
80	9.3	9	9	14.8	12.8	11.7	7.6	7.3	7.2	7.5	7.3	7.2	15.5	13.5	12.2	7.6	7.4	7.2			15	13.1	12.1	7.6	7.2	7	80
85	8.7	8.6	8.7	14	12.2	11.2	7.2	6.9	6.9	7.2	6.9	6.9	14.7	12.8	11.7	7.2	7	6.9			14.2	12.5	11.7	7.2	6.9	6.8	85
90				13.3	11.6	10.8	6.8	6.6	6.5	6.8	6.6	6.5	13.7	12.2	11.2	6.9	6.7	6.6			12.8	12	11.2	6.9	6.7	6.5	90
95				12.5	11.1	10.4	6.5	6.3	6.2	6.5	6.3	6.2	12.4	11.7	10.8	6.6	6.4	6.3			11.4	11.5	10.8	6.6	6.4	6.3	95
100				11.8	10.7	10.1	6.2	6	5.9	6.1	6	5.9	11	11	10.4	6.3	6.1	6			10.5	10.9	10.5	6.3	6.1	6	100
105				10.8	10.2	9.8	5.9	5.7	5.7	5.8	5.7	5.7	9.9	10.4	10.1	6	5.9	5.8			9.6	10	10.1	6	5.9	5.8	105
110				9.7	9.9	9.5	5.6	5.5	5.4	5.5	5.5	5.5	9.2	9.5	9.7	5.7	5.6	5.6			8.6	9.3	9.4	5.8	5.6	5.6	110
115				8.9	9.4	9.3	5.3	5.2	5.2	5.2	5.2	5.2	8.4	8.8	9.1	5.4	5.4	5.4			7.9	8.4	8.9	5.5	5.4	5.4	115
120				8.1	8.6	8.8	5.1	5	5	4.9	4.9	5	7.6	8.1	8.4	5.2	5.2	5.2			7.5	7.6	8.1	5.3	5.2	5.2	120
125				7.4	7.8	8.1	4.8	4.8	4.8	4.6	4.7	4.7	7	7.4	7.8	4.9	4.9	4.9			6.9	7.2	7.4	5	5	5	125
130				6.8	7.1	7.3	4.6	4.6	4.6	4.4	4.5	4.5	6.6	6.7	7.1	4.7	4.7	4.7			6.3	6.7	6.9	4.8	4.8	4.8	130
135				6.2	6.5	6.7	4.4	4.4	4.4	4.2	4.2	4.3	6.3	6.4	6.4	4.5	4.5	4.5			5.7	6.1	6.5	4.6	4.6	4.7	135
140				5.7	6	6.1	4.2	4.2	4.2	4	4	4.1	5.8	6	6.1	4.3	4.3	4.3			5.5	5.6	5.9	4.4	4.4	4.5	140
145				5.2	5.4	5.5	4	4	4	3.8	3.8	3.8	5.3	5.6	5.8	4.1	4.1	4.1			5.2	5.2	5.4	4.2	4.2	4.3	145
150				4.7	4.9	4.9	3.8	3.8	3.9	3.6	3.6	3.7	4.9	5.1	5.3	3.9	3.9	4			5	5	5.1	4	4.1	4.1	150
155				4.2	4.4	4.3	3.6	3.6	3.7	3.4	3.4	3.5	4.4	4.6	4.8	3.7	3.8	3.8			4.6	4.8	4.8	3.8	3.9	3.9	155
160				3.8	3.9		3.5	3.5	3.5	3.3	3.3	3.3	4.2	4.2	4.3	3.6	3.6	3.6			4.2	4.4	4.5	3.6	3.7	3.7	160
165							3.3	3.4		3.1	3.2		4	4	4.1	3.4	3.4	3.5			4	4	4.1	3.4	3.5	3.5	165
170													3.8	3.9		3.3	3.3	3.4			3.8	3.9	3.9	3.3	3.3	3.3	170
175																3.2	3.2				3.4	3.6	3.5	3.1	3.1	3.2	175
180																3.1					3.1	3.2	3.1	3	3	3	180
185																					2.8	2.9		2.8	2.8	2.8	185
190																								2.5	2.5		190

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Lifting capacities Forces de levage

TVK



	144 ft + 23 ft			148 ft + 23 ft			154 ft + 23 ft			156 ft + 23 ft			160 ft + 23 ft			166 ft + 23 ft			168 ft + 23 ft			170 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°	
30	10.3			17.5			9.7																	30	
32	10.3			17.5			9.7			9.5			12.8											32	
34	10.3			17.5			9.7			9.5			12.8		8.8			8.6				8.4		34	
36	10.2			17.5			9.7			9.5			12.8		8.8			8.6				8.4		36	
38	10.1			17.5			9.7			9.5			12.8		8.8			8.6				8.4		38	
40	10.1			17.4			9.6			9.4			12.8		8.8			8.6				8.4		40	
45	9.8	9.6		17.2	15.7		9.4	9.3		9.2	9.1		12.8	13		8.7			8.5			8.3		45	
50	9.5	9.3		16.8	15.2		9.2	9		9	8.9		12.7	12.7		8.5	8.5		8.4	8.3		8.2	8.1	50	
55	9.2	8.9	8.7	16.4	14.7	13.5	8.9	8.8	8.5	8.8	8.6	8.4	12.5	12.4	11.7	8.4	8.3		8.2	8.1		8.1	8	55	
60	8.8	8.5	8.3	15.9	14.2	13	8.6	8.4	8.2	8.5	8.3	8.1	12.2	12.2	11.6	8.2	8	7.9	8	7.9	7.8	7.9	7.8	60	
65	8.5	8.2	7.9	15.4	13.7	12.5	8.3	8.1	7.9	8.2	8	7.8	11.9	11.8	11.4	7.9	7.8	7.6	7.8	7.6	7.6	7.7	7.6	65	
70	8.2	7.8	7.6	14.7	13.2	12.1	8.1	7.8	7.6	7.9	7.7	7.5	11.5	11.4	11.1	7.7	7.5	7.4	7.6	7.4	7.3	7.5	7.3	70	
75	7.8	7.5	7.3	14.1	12.7	11.7	7.8	7.5	7.3	7.7	7.4	7.2	11.1	10.9	10.8	7.5	7.3	7.1	7.3	7.2	7.1	7.2	7.1	75	
80	7.5	7.2	7	13.4	12.2	11.3	7.5	7.2	7	7.4	7.1	7	10.7	10.4	10.3	7.2	7	6.8	7.1	6.9	6.8	7	6.9	80	
85	7.2	6.9	6.7	12.6	11.7	11	7.2	6.9	6.7	7.1	6.8	6.7	10.2	10	9.9	7	6.8	6.6	6.9	6.7	6.6	6.8	6.7	85	
90	6.8	6.6	6.5	12	11.2	10.7	6.9	6.7	6.5	6.8	6.6	6.5	9.8	9.6	9.5	6.8	6.6	6.4	6.7	6.5	6.4	6.6	6.4	90	
95	6.6	6.3	6.3	11	10.7	10.4	6.6	6.4	6.3	6.6	6.4	6.2	9.4	9.3	9.2	6.5	6.3	6.2	6.5	6.3	6.1	6.4	6.2	95	
100	6.3	6.1	6	9.9	10.2	10	6.4	6.1	6.1	6.3	6.1	6	9	8.9	8.9	6.3	6.1	6	6.2	6.1	5.9	6.2	6	100	
105	6	5.8	5.8	8.8	9.7	9.7	6.1	5.9	5.8	6.1	5.9	5.8	8.6	8.5	8.5	6.1	5.9	5.8	6	5.9	5.8	6	5.8	105	
110	5.7	5.6	5.6	8.4	8.8	9.2	5.9	5.7	5.6	5.8	5.7	5.6	8.1	8.2	8.2	5.9	5.7	5.6	5.8	5.7	5.6	5.8	5.6	110	
115	5.5	5.4	5.4	8	7.9	8.4	5.6	5.5	5.5	5.6	5.5	5.4	7.3	7.8	7.9	5.6	5.5	5.5	5.6	5.5	5.4	5.6	5.5	115	
120	5.2	5.2	5.2	7.2	7.6	7.6	5.4	5.3	5.3	5.4	5.3	5.3	6.8	7.2	7.5	5.4	5.3	5.3	5.4	5.3	5.2	5.4	5.3	120	
125	4.9	5	5	6.5	7.1	7.3	5.2	5.1	5.1	5.1	5.1	5.1	6.5	6.5	6.9	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	125	
130	4.7	4.7	4.8	6.1	6.4	6.7	5	4.9	4.9	4.9	4.9	4.9	6.1	6.3	6.3	5	5	4.9	4.9	4.9	4.9	4.9	4.9	130	
135	4.4	4.5	4.6	5.9	5.9	6.1	4.8	4.7	4.8	4.6	4.7	4.7	5.5	5.9	6.1	4.8	4.8	4.8	4.7	4.7	4.8	4.7	4.7	135	
140	4.2	4.3	4.4	5.4	5.6	5.7	4.6	4.6	4.6	4.4	4.5	4.5	4.9	5.4	5.6	4.7	4.6	4.6	4.5	4.6	4.6	4.5	4.6	140	
145	4	4.1	4.1	4.9	5.3	5.4	4.4	4.4	4.4	4.2	4.3	4.3	4.8	4.9	5.1	4.5	4.5	4.5	4.3	4.4	4.4	4.3	4.4	145	
150	3.8	3.9	3.9	4.5	4.8	5	4.2	4.2	4.3	4	4.1	4.1	4.6	4.5	4.6	4.3	4.3	4.3	4.1	4.2	4.2	4.1	4.2	150	
155	3.6	3.6	3.7	4.2	4.4	4.5	4	4.1	4.1	3.8	3.9	3.9	4.2	4.4	4.4	4.1	4.1	4.2	3.9	4	4	3.9	4	155	
160	3.4	3.5	3.5	4.1	4.1	4.1	3.9	3.9	3.9	3.7	3.7	3.8	3.7	4.1	4.2	3.7	4	4	3.7	3.8	3.9	3.6	3.8	160	
165	3.2	3.3	3.3	3.9	3.9	4	3.7	3.7	3.8	3.5	3.5	3.6	3.3	3.6	3.8	3.3	3.7	3.8	3.3	3.6	3.7	3.2	3.5	165	
170	3.1	3.1	3.1	3.5	3.7	3.8	3.5	3.6	3.6	3.3	3.4	3.4	2.9	3.2	3.3	2.9	3.2	3.4	2.8	3.2	3.4	2.7	3.1	170	
175	2.9	2.9	3	3.1	3.3	3.4	3.1	3.3	3.4	3	3.2	3.2	2.5	2.8	2.9	2.5	2.8	3	2.4	2.8	2.9	2.4	2.7	175	
180	2.7	2.8	2.8	2.7	2.9	2.9	2.7	2.9	3	2.6	2.9	3	2.1	2.4	2.5	2.1	2.4	2.5	2.1	2.4	2.5	2	2.3	180	
185	2.6	2.6	2.7	2.4	2.5	2.5	2.4	2.5	2.6	2.3	2.5	2.6	1.8	2	2	1.8	2	2.1	1.7	2	2.1	1.6	1.9	185	
190	2.4	2.5		2.1	2.2	2.1	2	2.2	2.2	2	2.2	2.2	1.4	1.6	1.7	1.4	1.7	1.7	1.4	1.6	1.7		1.5	1.6	190
195	1.4			1.8	1.8		1.7	1.9	1.8	1.7	1.8	1.8						1.4			1.3			195	
200							1.5	1.5		1.4	1.5	1.4												200	

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Lifting capacities

Forces de levage



	172 ft + 23 ft			178 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			186 ft + 23 ft			191 ft + 23 ft			195 ft + 23 ft			197 ft + 23 ft			
	K 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°	
34	10																								34
36	10.1			8			7.5			8															36
38	10.1			8			7.6			8			7.8			7.1									38
40	10.1			8			7.6			8			7.8			7.2			6.7			6.6			40
45	10.1			8			7.6			8			7.8			7.2			6.8			6.6			45
50	10.1	10		7.9	7.9		7.6			7.9	7.9		7.8			7.2			6.8			6.6			50
55	10	9.8		7.8	7.7		7.5	7.4		7.9	7.8		7.7	7.7		7.2	7.1		6.8	6.7		6.7	6.6		55
60	9.8	9.7	9.3	7.7	7.6	7.4	7.4	7.3		7.8	7.7		7.6	7.5		7.1	7		6.7	6.6		6.6	6.5		60
65	9.6	9.5	9.3	7.5	7.4	7.3	7.2	7.2	7	7.6	7.5	7.4	7.5	7.4	7.3	7	6.9	6.7	6.6	6.6	6.4	6.5	6.4	6.3	65
70	9.5	9.4	9.2	7.3	7.2	7.2	7.1	7	7	7.5	7.3	7.3	7.4	7.3	7.2	6.8	6.7	6.7	6.5	6.5	6.4	6.4	6.4	6.2	70
75	9.2	9.2	9	7.1	7	7	6.9	6.8	6.8	7.3	7.2	7	7.2	7.1	7	6.7	6.6	6.6	6.4	6.4	6.3	6.3	6.3	6.2	75
80	9	8.9	8.9	6.9	6.8	6.8	6.7	6.6	6.6	7.2	7	6.8	7.1	6.9	6.8	6.5	6.5	6.5	6.3	6.2	6.2	6.2	6.1	6.1	80
85	8.7	8.6	8.7	6.7	6.6	6.6	6.5	6.5	6.4	7	6.8	6.6	6.9	6.7	6.6	6.4	6.3	6.3	6.2	6.1	6.1	6.1	6	6.1	85
90	8.4	8.3	8.4	6.6	6.5	6.3	6.4	6.3	6.2	6.8	6.5	6.4	6.7	6.5	6.4	6.2	6.2	6.2	6.1	6	6	6	5.9	5.9	90
95	8.1	8.1	8.1	6.4	6.3	6.1	6.2	6.1	6.1	6.6	6.3	6.2	6.5	6.3	6.2	6.1	6	6	5.9	5.8	5.9	5.8	5.8	5.8	95
100	7.8	7.8	7.8	6.2	6.1	5.9	6	5.9	5.9	6.4	6.2	6.1	6.4	6.1	6	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7	100
105	7.6	7.5	7.5	6	5.9	5.8	5.9	5.8	5.7	6.2	6	5.9	6.2	6	5.8	5.8	5.7	5.7	5.6	5.5	5.6	5.6	5.5	5.5	105
110	7.3	7.2	7.3	5.8	5.7	5.6	5.7	5.6	5.5	6	5.8	5.7	6	5.8	5.7	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	110
115	7	7	7	5.6	5.5	5.5	5.5	5.4	5.4	5.8	5.6	5.6	5.8	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.3	115
120	6.6	6.7	6.8	5.4	5.3	5.3	5.3	5.3	5.2	5.6	5.5	5.4	5.6	5.4	5.4	5.3	5.2	5.3	5.2	5.1	5.2	5.2	5.1	5.1	120
125	6	6.4	6.5	5.3	5.2	5.1	5.1	5.1	5.1	5.4	5.3	5.2	5.4	5.3	5.2	5.2	5.1	5.1	5	5	5	5	5	5	125
130	5.4	5.9	6.3	5.1	5	5	4.9	4.9	4.9	5.3	5.1	5.1	5.3	5.1	5.1	5	4.9	5	4.9	4.9	4.9	4.8	4.9	4.9	130
135	5.2	5.4	5.7	4.9	4.8	4.8	4.8	4.8	4.8	4.9	5	5	4.8	5	5	4.8	4.8	4.8	4.7	4.7	4.8	4.5	4.7	4.8	135
140	4.9	4.9	5.1	4.7	4.7	4.7	4.6	4.6	4.7	4.4	4.8	4.8	4.3	4.8	4.8	4.4	4.7	4.7	4.2	4.5	4.6	4.1	4.5	4.6	140
145	4.6	4.7	4.7	4.5	4.5	4.6	4.3	4.4	4.5	3.9	4.4	4.6	3.7	4.3	4.6	3.9	4.3	4.6	3.7	4.3	4.4	3.5	4.1	4.4	145
150	4.1	4.5	4.6	4.1	4.4	4.4	4	4.2	4.3	3.4	3.9	4.2	3.3	3.8	4.2	3.4	3.9	4.2	3.2	3.7	4.1	3.1	3.6	4	150
155	3.7	4	4.3	3.7	4.1	4.2	3.6	3.9	4.1	3	3.4	3.8	2.8	3.3	3.7	2.9	3.4	3.8	2.8	3.3	3.6	2.6	3.1	3.5	155
160	3.2	3.6	3.8	3.2	3.6	3.9	3.1	3.6	3.8	2.5	3	3.3	2.4	2.9	3.2	2.5	3	3.3	2.3	2.8	3.1	2.2	2.7	3	160
165	2.8	3.2	3.4	2.8	3.2	3.4	2.7	3.1	3.4	2.1	2.5	2.8	1.9	2.4	2.7	2.1	2.5	2.8	1.9	2.4	2.7	1.8	2.3	2.6	165
170	2.3	2.7	2.9	2.4	2.8	3	2.3	2.7	2.9	1.6	2.1	2.4	1.4	2	2.2	1.6	2.1	2.4	1.5	2	2.3		1.8	2.1	170
175	1.9	2.3	2.5	2	2.3	2.5	1.9	2.3	2.5		1.7	1.9		1.5	1.8		1.7	2		1.5	1.8		1.3	1.7	175
180	1.6	1.9	2	1.6	1.9	2.1	1.5	1.9	2																180
185		1.5	1.6		1.6	1.7		1.4	1.6																185

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Lifting capacities

Forces de levage

TVK



	38 ft + 23 ft			111 ft + 23 ft			115 ft + 23 ft			117 ft + 23 ft			123 ft + 23 ft			130 ft + 23 ft			135 ft + 23 ft			142 ft + 23 ft				
	K 62 ft																									
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
12	19																							12		
13	18.9																								13	
14	18.8																								14	
15	18.7																								15	
16	18.6																								16	
17	18.5																								17	
18	18.4																								18	
19	18.2																								19	
20	18																								20	
22	17.7																								22	
24	17.3			13.1																					24	
26	16.8			13																					26	
28	16.4			12.9			8.9			8.7			12.7												28	
30	15.9			12.9			8.9			8.7			12.6							11.3					30	
32	15.4			12.8			8.9			8.7			12.5			8.1				11.2					32	
34	15	11		12.7			8.9			8.7			12.4			8.1				11.1			7.3		34	
36	14.6	10.7		12.6			8.9			8.7			12.4			8				11.1			7.3		36	
38	14.1	10.4		12.5			8.7			8.6			12.3			8				11			7.3		38	
40	13.7	10.2		12.4			8.6			8.4			12.2			7.9				11			7.2		40	
45	12.6	9.7		12.2			8.4			8.2			12			7.6				10.8			6.9		45	
50	11.7	9.3	7.9	11.8	9.5		8.1			7.9			11.7	9.6		7.4				10.7			6.7		50	
55	10.9	8.9	7.7	11.5	9.3		7.9	7.5		7.7	7.2		11.5	9.3		7.2	6.8			10.5	9.1		6.6		55	
60	10.1	8.6	7.5	11.2	9		7.6	7.3		7.5	7.1		11.2	9.1		7.1	6.8			10.4	8.9		6.4	6.1	60	
65	9.3	8.3	7.3	10.8	8.8	7.5	7.3	6.9		7.2	6.8		10.9	8.9		6.9	6.7			10.2	8.7		6.3	6	65	
70	8.6	8	7.2	10.5	8.6	7.3	6.9	6.6	6.4	6.9	6.5	6.4	10.6	8.7	7.4	6.7	6.4			10	8.5	7.3	6.2	5.9	70	
75	8.1	7.7	7.1	10.1	8.4	7.2	6.6	6.3	6.1	6.5	6.2	6.1	10.3	8.5	7.3	6.5	6.1	6		9.7	8.4	7.2	6.1	5.9	75	
80	7.5	7.4	7	9.8	8.2	7.2	6.3	5.9	5.9	6.2	5.9	5.8	10	8.3	7.2	6.2	5.9	5.7		9.5	8.2	7.1	6	5.7	5.6	80
85	7	7	6.7	9.4	8	7.1	5.9	5.7	5.6	5.9	5.6	5.5	9.7	8.1	7.1	5.9	5.6	5.5		9.2	8.1	7.1	5.7	5.5	5.4	85
90	6.6	6.6	6.5	9.1	7.8	7	5.6	5.4	5.3	5.6	5.4	5.3	9.4	8	7	5.6	5.4	5.3		9	7.9	7	5.5	5.2	5.2	90
95	6.2	6.3	6.2	8.7	7.6	6.9	5.3	5.2	5.1	5.3	5.2	5.1	9	7.8	7	5.3	5.1	5		8.8	7.7	6.9	5.3	5	5	95
100	5.9	5.9	5.9	8.4	7.4	6.8	5	4.9	4.9	5	4.9	4.9	8.7	7.6	6.8	5.1	4.9	4.8		8.5	7.5	6.9	5	4.9	4.8	100
105	5.6	5.6	5.7	8.1	7.2	6.7	4.8	4.7	4.7	4.8	4.7	4.7	8.4	7.4	6.7	4.9	4.7	4.6		8.2	7.3	6.7	4.8	4.7	4.6	105
110	5.3	5.4		7.7	6.9	6.5	4.6	4.5	4.5	4.6	4.5	4.5	8.1	7.2	6.6	4.7	4.5	4.5		7.9	7.1	6.6	4.6	4.5	4.4	110
115	5.1			7.4	6.7	6.3	4.4	4.3	4.3	4.4	4.3	4.3	7.8	7	6.5	4.5	4.3	4.3		7.7	6.9	6.4	4.5	4.3	4.3	115
120				7.2	6.5	6.2	4.1	4.1	4.1	4.2	4.1	4.1	7.4	6.8	6.4	4.3	4.1	4.1		7.2	6.7	6.3	4.3	4.1	4.1	120
125				6.9	6.3	6.1	3.9	3.9	3.9	4	3.9	3.9	7	6.6	6.2	4.1	4	4		6.9	6.5	6.1	4.1	4	4	125
130				6.7	6.1	5.9	3.8	3.7	3.8	3.8	3.7	3.7	6.7	6.4	6.1	3.9	3.8	3.8		6.3	6.3	6	3.9	3.8	3.8	130
135				6.5	6	5.8	3.6	3.6	3.6	3.6	3.6	3.6	6.3	6.2	6	3.7	3.7	3.7		5.8	6	5.9	3.8	3.7	3.7	135
140				6.2	5.8	5.7	3.4	3.4	3.4	3.4	3.4	3.4	5.8	6	5.8	3.6	3.5	3.5		5.5	5.8	5.8	3.6	3.6	3.6	140
145				5.8	5.7	5.6	3.3	3.3	3.3	3.3	3.3	3.3	5.3	5.7	5.7	3.4	3.4	3.4		5.2	5.5	5.6	3.5	3.4	3.4	145
150				5.3	5.5	5.5	3.1	3.1	3.2	3.1	3.1	3.2	4.9	5.4	5.5	3.3	3.3	3.3		4.8	5.1	5.4	3.4	3.3	3.3	150
155				4.9	5.4	5.4	3	3	3.1	2.9	3	3	4.7	4.9	5.3	3.1	3.1	3.2		4.3	4.9	5	3.2	3.2	3.2	155
160				4.5	4.9	5.1	2.9	2.9	2.9	2.8	2.8	2.9	4.4	4.5	4.8	3	3	3		4	4.5	4.8	3.1	3.1	3.1	160
165				4	4.5	4.6	2.7	2.8	2.8	2.6	2.7	2.8	4.1	4.3	4.4	2.8	2.9	2.9		3.8	4.1	4.4	3	3	3	165
170				3.6	4	4.1	2.6	2.7	2.7	2.5	2.6	2.6	3.7	4.1	4.2	2.7	2.8	2.8		3.6	3.7	4	2.8	2.9	2.9	170
175				3.2	3.6	3.6	2.5	2.6	2.6	2.3	2.4	2.5	3.3	3.7	3.9	2.6	2.6	2.7		3.4	3.5	3.6	2.7	2.8	2.8	175
180				2.9	3.1		2.4	2.5	2.5	2.2	2.3	2.3	3	3.3	3.4	2.4	2.5	2.6		3	3.4	3.5	2.6	2.6	2.7	180
185				2.5	2.7		2.3	2.3		2.1	2.2		2.9	3	3	2.3	2.4	2.4		2.7	3.1	3.2	2.4	2.5	2.6	185
190							2.2	2.2		2	2.1		2.8	2.8	2.9	2.2	2.3	2.3		2.6	2.7	2.8	2.3	2.4	2.4	190
195										2			2.5	2.6		2.1	2.2	2.3		2.4	2.5	2.6	2.2	2.3	2.3	195
200													2.4			2.1	2.1			2.2	2.4	2.3	2	2.1	2.2	200
205																2				2	2.1		1.9	2	2	205
210																				1.7	1.8		1.7	1.8		210
215																							1.4	1.5		215

L_197_004_01001_00_000

Lifting capacities

Forces de levage



	144 ft + 23 ft			148 ft + 23 ft			154 ft + 23 ft			156 ft + 23 ft			160 ft + 23 ft			166 ft + 23 ft			168 ft + 23 ft			170 ft + 23 ft				
	K 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°		
34	7.1			9.7																					34	
36	7.1			9.7			6.8			6.6			8.5												36	
38	7.1			9.7			6.8			6.6			8.5			6.2									38	
40	7			9.6			6.8			6.6			8.5			6.2					5.9			5.7	40	
45	6.8			9.6			6.6			6.4			8.5			6.1					6			5.8	45	
50	6.6			9.5			6.4			6.2			8.4			5.9					5.8			5.6	50	
55	6.4			9.4			6.2			6.1			8.3			5.7					5.6			5.5	55	
60	6.3	6		9.4	8.5		6.1			6			8.1	7.4		5.6					5.5			5.4	60	
65	6.2	5.9		9.3	8.4		6	5.7		5.8	5.6		7.9	7.4		5.5	5.2			5.4	5.1		5.3	5	65	
70	6.1	5.8		9.2	8.2		5.9	5.6		5.7	5.5		7.7	7.4		5.4	5.2			5.3	5		5.2	4.9	70	
75	6	5.8		9	8.1	7.1	5.8	5.6		5.6	5.4		7.5	7.3		5.3	5.1			5.2	5		5.1	4.9	75	
80	5.8	5.7	5.5	8.9	8	7	5.6	5.6	5.3	5.6	5.4	5.2	7.4	7.2	6.7	5.2	5.1			5.1	5		5	4.9	80	
85	5.6	5.4	5.3	8.7	7.8	7	5.5	5.4	5.3	5.4	5.3	5.1	7.3	7.1	6.7	5.2	5.1	4.9		5	4.9	4.7	4.9	4.8	4.7	85
90	5.4	5.2	5.1	8.4	7.6	6.9	5.3	5.2	5.1	5.3	5.2	5.1	7.2	7.1	6.7	5.1	5	4.9		4.9	4.9	4.8	4.9	4.8	4.7	90
95	5.2	5	4.9	8.2	7.4	6.9	5.2	5	4.9	5.1	5	4.9	7.1	7	6.6	5	4.9	4.8		4.8	4.8	4.7	4.8	4.8	4.7	95
100	5	4.8	4.7	8	7.2	6.7	5	4.8	4.8	5	4.8	4.7	7	6.9	6.4	4.8	4.7	4.7		4.7	4.7	4.6	4.7	4.6	4.6	100
105	4.8	4.7	4.6	7.8	7.1	6.6	4.8	4.7	4.6	4.8	4.6	4.6	6.9	6.7	6.3	4.7	4.6	4.5		4.6	4.6	4.5	4.6	4.5	4.5	105
110	4.6	4.5	4.4	7.6	6.9	6.4	4.7	4.5	4.4	4.6	4.5	4.4	6.8	6.5	6.2	4.5	4.4	4.4		4.5	4.4	4.3	4.5	4.4	4.3	110
115	4.4	4.3	4.3	7.3	6.7	6.3	4.5	4.3	4.3	4.5	4.3	4.3	6.7	6.4	6.1	4.4	4.3	4.2		4.4	4.3	4.2	4.3	4.2	4.2	115
120	4.3	4.2	4.1	6.9	6.5	6.1	4.3	4.2	4.1	4.3	4.2	4.1	6.5	6.3	6	4.3	4.2	4.1		4.2	4.1	4.1	4.2	4.1	4.1	120
125	4.1	4	4	6.3	6.3	6	4.2	4	4	4.1	4	4	6.2	6.1	5.8	4.1	4	4		4.1	4	4	4.1	4	3.9	125
130	3.9	3.8	3.8	6.1	6.2	5.9	4	3.9	3.8	4	3.9	3.9	5.7	6	5.7	4	3.9	3.9		4	3.9	3.9	4	3.9	3.8	130
135	3.8	3.7	3.7	5.7	5.9	5.8	3.9	3.7	3.7	3.9	3.7	3.7	5.1	5.8	5.6	3.9	3.8	3.7		3.9	3.7	3.7	3.8	3.7	3.7	135
140	3.6	3.6	3.6	5.2	5.6	5.7	3.7	3.6	3.6	3.7	3.6	3.6	4.9	5.5	5.5	3.7	3.6	3.6		3.7	3.6	3.6	3.7	3.6	3.6	140
145	3.5	3.4	3.4	4.7	5.4	5.5	3.6	3.5	3.5	3.6	3.5	3.5	4.7	5	5.4	3.6	3.5	3.5		3.6	3.5	3.5	3.6	3.5	3.5	145
150	3.3	3.3	3.3	4.5	5	5.3	3.4	3.4	3.4	3.4	3.4	3.4	4.3	4.6	5.1	3.5	3.4	3.4		3.4	3.4	3.4	3.5	3.4	3.4	150
155	3.1	3.2	3.2	4.3	4.5	5	3.3	3.3	3.3	3.3	3.3	3.3	3.9	4.4	4.6	3.4	3.3	3.3		3.3	3.3	3.3	3.3	3.3	3.3	155
160	3	3.1	3.1	4	4.2	4.5	3.2	3.2	3.2	3.1	3.2	3.2	3.5	4.1	4.4	3.3	3.2	3.2		3.2	3.2	3.2	3.2	3.2	3.2	160
165	2.8	2.9	3	3.6	4	4.1	3.1	3.1	3.1	3	3.1	3.1	3.2	3.7	4.1	3.1	3.1	3.1		3	3.1	3.1	3.1	3.1	3.1	165
170	2.7	2.8	2.9	3.2	3.8	3.9	2.9	3	3	2.8	2.9	3	3.1	3.3	3.8	3	3	3		2.9	3	3	2.9	3	3	170
175	2.5	2.7	2.7	3	3.4	3.7	2.8	2.9	2.9	2.7	2.8	2.9	2.8	3	3.3	2.8	2.9	2.9		2.7	2.9	2.9	2.6	2.9	2.9	175
180	2.4	2.5	2.6	2.8	3	3.3	2.7	2.8	2.8	2.6	2.7	2.8	2.5	2.9	2.9	2.4	2.8	2.9		2.4	2.8	2.8	2.3	2.8	2.8	180
185	2.2	2.3	2.4	2.7	2.7	2.8	2.6	2.7	2.7	2.4	2.5	2.6	2.1	2.6	2.8	2.1	2.6	2.8		2.1	2.6	2.7	2	2.6	2.7	185
190	2.1	2.2	2.2	2.4	2.6	2.7	2.4	2.5	2.6	2.3	2.4	2.5	1.8	2.3	2.6	1.8	2.3	2.6		1.7	2.3	2.5	1.6	2.2	2.5	190
195	2	2.1	2.1	2.1	2.5	2.6	2	2.4	2.5	2	2.3	2.3	1.5	2	2.2	1.4	2	2.2		1.4	1.9	2.2		1.9	2.2	195
200	1.9	1.9	2	1.8	2.1	2.2	1.7	2.1	2.3	1.7	2.1	2.2		1.6	1.8		1.6	1.9			1.6	1.8		1.5	1.8	200
205	1.7	1.8	1.8	1.5	1.8	1.9	1.5	1.8	1.9	1.4	1.8	1.9			1.5			1.5				1.5			1.4	205
210	1.6	1.7		1.5	1.5			1.5	1.5		1.4	1.5														210
215		1.5																								215

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Lifting capacities

Forces de levage

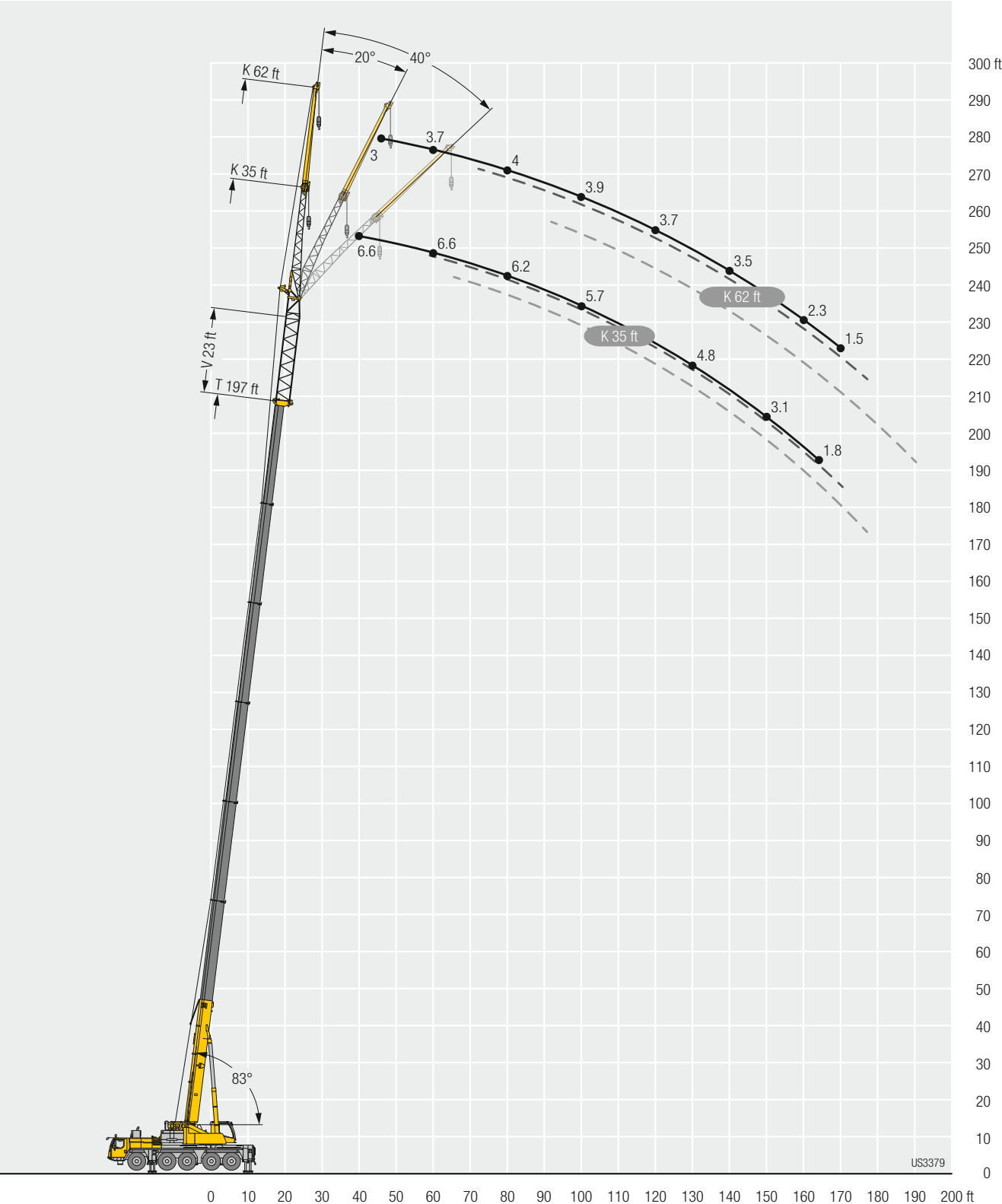
TVK



Lifting height (ft)	172 ft + 23 ft			178 ft + 23 ft			182 ft + 23 ft			184 ft + 23 ft			186 ft + 23 ft			191 ft + 23 ft			195 ft + 23 ft			197 ft + 23 ft			Lifting height (ft)
	K 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°	
40	7			5.1																					40
45	7			5.3			4.7			5.2			4.9			3.9			3.3			3			45
50	7			5.4			5			5.3			5.1			4.2			3.5			3.2			50
55	6.8			5.3			5			5.3			5.1			4.4			3.8			3.5			55
60	6.6			5.2			5			5.3			5.1			4.5			4			3.7			60
65	6.4	6		5.1			4.9			5.2			5.1			4.5			4.1			3.9			65
70	6.2	6		5	4.8		4.8	4.5		5.1	4.8		5	4.7		4.5	4.3		4.1	4		3.9			70
75	6.2	6		4.9	4.7		4.7	4.5		5	4.8		4.9	4.7		4.5	4.3		4.2	4		4	4		75
80	6.1	5.9		4.8	4.6		4.6	4.5		4.9	4.8		4.8	4.7		4.4	4.2		4.2	4		4	3.9		80
85	6	5.9	5.6	4.8	4.6	4.5	4.5	4.5		4.9	4.7	4.6	4.8	4.6		4.3	4.2		4.1	4		4	3.9		85
90	5.9	5.8	5.7	4.7	4.6	4.5	4.5	4.4	4.3	4.8	4.7	4.6	4.7	4.6	4.5	4.3	4.2	4.1	4.1	4	3.9	4	3.9	3.8	90
95	5.9	5.8	5.6	4.7	4.6	4.6	4.5	4.4	4.3	4.8	4.6	4.5	4.7	4.5	4.4	4.2	4.2	4.1	4	4	3.9	3.9	3.9	3.8	95
100	5.8	5.8	5.6	4.6	4.6	4.5	4.4	4.3	4.3	4.7	4.6	4.5	4.6	4.5	4.4	4.2	4.2	4.1	4	4	3.9	3.9	3.8	3.8	100
105	5.7	5.8	5.6	4.5	4.5	4.5	4.3	4.3	4.3	4.6	4.5	4.5	4.5	4.5	4.4	4.1	4.1	4.1	3.9	3.9	3.9	3.8	3.8	3.8	105
110	5.7	5.7	5.6	4.4	4.4	4.3	4.2	4.2	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.1	4.1	4.1	3.9	3.9	3.9	3.8	3.8	3.9	110
115	5.6	5.6	5.6	4.3	4.3	4.2	4.2	4.2	4.2	4.4	4.3	4.3	4.3	4.3	4.3	4	4.1	4.1	3.8	3.9	3.8	3.7	3.8	3.8	115
120	5.5	5.4	5.6	4.2	4.1	4.1	4.1	4.1	4	4.3	4.2	4.1	4.2	4.2	4.1	3.9	4	4	3.8	3.9	3.8	3.7	3.8	3.8	120
125	5.4	5.3	5.5	4.1	4	4	4	4	3.9	4.2	4.1	4	4.1	4	4	3.9	3.9	3.9	3.7	3.9	3.8	3.7	3.8	3.8	125
130	5.3	5.2	5.4	4	3.9	3.9	3.9	3.8	3.8	4.1	4	3.9	4	3.9	3.9	3.8	3.8	3.8	3.7	3.8	3.7	3.6	3.7	3.7	130
135	5	5	5.2	3.9	3.8	3.7	3.8	3.7	3.7	4	3.8	3.8	3.9	3.8	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.6	3.6	3.6	135
140	4.6	4.9	5	3.8	3.6	3.6	3.7	3.6	3.6	3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	140
145	4	4.8	4.9	3.6	3.5	3.5	3.6	3.5	3.5	3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.5	3.5	3.4	3.4	3.4	145
150	3.6	4.4	4.7	3.5	3.4	3.4	3.5	3.4	3.4	3.4	3.5	3.5	3.3	3.5	3.5	3.4	3.4	3.4	3.2	3.4	3.4	3.1	3.4	3.4	150
155	3.5	4	4.5	3.4	3.3	3.3	3.4	3.3	3.3	3.1	3.4	3.4	2.9	3.4	3.4	3	3.3	3.3	2.8	3.3	3.3	2.7	3.3	3.3	155
160	3.4	3.5	4.2	3.3	3.2	3.2	3.2	3.2	3.2	2.7	3.3	3.3	2.5	3.3	3.3	2.6	3.2	3.2	2.4	3.1	3.2	2.3	3.1	3.2	160
165	3.1	3.2	3.7	3	3.1	3.1	2.8	3.1	3.1	2.3	3	3.2	2.1	3	3.2	2.2	3	3.1	2.1	2.9	3.1	1.9	2.8	3.1	165
170	2.7	3.1	3.3	2.6	3	3.1	2.5	3	3	1.9	2.7	3.1	1.7	2.6	3.1	1.8	2.6	3.1	1.6	2.5	2.9	1.5	2.4	3	170
175	2.3	2.9	3.1	2.3	2.9	3	2.1	2.8	2.9	1.4	2.3	2.8		2.2	2.7	1.4	2.3	2.8		2.1	2.7	2	2.6		175
180	1.9	2.6	3	1.9	2.6	2.9	1.8	2.5	2.9		1.9	2.4		1.8	2.3		1.9	2.4		1.7	2.3		1.6	2.2	180
185	1.6	2.2	2.6	1.6	2.2	2.7	1.4	2.1	2.5		1.5	2		1.3	1.9		1.5	2		1.9			1.8		185
190		1.9	2.2		1.9	2.3		1.8	2.2			1.6			1.5			1.6					1.4		190
195		1.5	1.8		1.5	1.9		1.4	1.8																195
200			1.4			1.5			1.4																200

L_197_004_01001_00_000

Lifting heights Hauteurs de levage



Lifting capacities

Forces de levage



	38 ft + 46 ft			111 ft + 46 ft			115 ft + 46 ft			117 ft + 46 ft			123 ft + 46 ft			130 ft + 46 ft			135 ft + 46 ft			142 ft + 46 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
12	32.5																							12		
13	32.5																								13	
14	32.5																								14	
15	32.5																								15	
16	32.4																								16	
17	32.3																								17	
18	31.9																								18	
19	31.4																								19	
20	30.4																								20	
22	28.4																								22	
24	26.6	23.5																							24	
26	24.9	22.1		19.7																					26	
28	23.4	20.9		19.4			9.6			9.3			19												28	
30	22.1	19.8		19.1			9.6			9.3			18.8						14.5						30	
32	21	18.7	17.3	18.7			9.6			9.3			18.5			8.5			14.5						32	
34	19.9	17.7	16.4	18.3			9.5			9.2			18.1			8.5			14.5				7.5		34	
36	18.8	16.7	15.6	17.9			9.4			9.1			17.8			8.4			14.4				7.5		36	
38	17.8	15.9	14.9	17.5	15.3		9.2			9			17.5			8.4			14.3				7.5		38	
40	16.7	15.2	14.2	17.1	14.9		9.1			8.9			17.2	15.3		8.3			14.2				7.5		40	
45	14.4	13.6	12.7	15.9	13.9		8.8	8.6		8.6	8.5		16.3	14.4		8.1	8		13.7	12.8			7.3		45	
50	12.7	12	11.5	14.8	13	11.8	8.4	8.1		8.2	8		15.3	13.5	12.3	7.8	7.7		13.2	12.2			7.2	7.1	50	
55	11.4	10.7	10.4	13.8	12.1	11.1	7.9	7.7	7.6	7.8	7.6	7.5	14.4	12.7	11.5	7.5	7.3	7.2	12.6	11.6	10.7		6.9	6.9	55	
60	10.1	9.7	9.4	13	11.4	10.5	7.4	7.2	7.1	7.3	7.2	7.1	13.4	11.9	10.9	7.2	7	6.9	12.1	11	10.2		6.7	6.7	6.6	60
65	9.2	8.9	8.7	12.2	10.7	9.9	7	6.8	6.8	6.9	6.8	6.7	12.7	11.2	10.3	6.8	6.6	6.6	11.5	10.4	9.7		6.5	6.4	6.3	65
70	8.5	8.2	8.1	11.4	10.2	9.5	6.6	6.4	6.4	6.6	6.4	6.3	12	10.5	9.8	6.4	6.3	6.2	10.9	9.9	9.3		6.2	6.1	6	70
75	7.8	7.6	7.5	10.6	9.7	9.1	6.3	6.1	6	6.2	6.1	6	11.3	10.1	9.4	6.1	6	5.9	10.5	9.5	9		5.9	5.8	5.7	75
80	7.2	7.1	7	9.9	9.2	8.7	5.9	5.8	5.7	5.9	5.8	5.7	10.5	9.6	9	5.8	5.7	5.6	10	9.1	8.6		5.7	5.5	5.5	80
85	6.8	6.6	6.6	9.3	8.7	8.4	5.5	5.5	5.4	5.5	5.5	5.4	9.9	9.2	8.7	5.5	5.4	5.4	9.6	8.8	8.3		5.4	5.3	5.2	85
90	6.3	6.2	6.2	8.9	8.3	8	5.2	5.2	5.2	5.2	5.1	5.1	9.3	8.8	8.3	5.2	5.1	5.1	9.1	8.5	8.1		5.2	5	5	90
95	5.8	5.8	5.8	8.5	8	7.7	4.9	4.9	4.9	4.9	4.8	4.9	8.9	8.4	8	4.9	4.9	4.9	8.7	8.1	7.8		4.9	4.8	4.8	95
100	5.5	5.5	5.5	8.1	7.6	7.4	4.6	4.6	4.6	4.6	4.6	4.6	8.5	8	7.7	4.7	4.6	4.7	8.3	7.8	7.5		4.7	4.6	4.6	100
105	5.2	5.1	5.2	7.8	7.4	7.1	4.4	4.3	4.4	4.4	4.4	4.4	8.2	7.7	7.4	4.5	4.4	4.4	8	7.5	7.3		4.4	4.4	4.4	105
110	4.9	4.9		7.4	7.1	6.9	4.2	4.1	4.2	4.2	4.1	4.1	7.8	7.4	7.1	4.3	4.2	4.2	7.7	7.2	7		4.2	4.2	4.2	110
115				7.1	6.8	6.6	3.9	3.9	3.9	4	3.9	3.9	7.4	7.1	6.9	4	4	4	7.2	7	6.8		4	4	4	115
120				6.8	6.5	6.4	3.7	3.7	3.8	3.7	3.7	3.7	7	6.9	6.7	3.8	3.8	3.8	6.9	6.8	6.6		3.9	3.8	3.8	120
125				6.5	6.3	6.2	3.5	3.5	3.6	3.5	3.5	3.5	6.6	6.5	6.5	3.6	3.6	3.7	6.4	6.4	6.4		3.7	3.6	3.7	125
130				6.3	6	5.9	3.3	3.3	3.4	3.3	3.3	3.4	6.2	6.2	6.2	3.4	3.5	3.5	5.7	6.1	6.1		3.5	3.5	3.5	130
135				6	5.9	5.8	3.2	3.1	3.2	3.2	3.2	3.2	5.7	5.9	5.9	3.3	3.3	3.3	5.3	5.7	5.8		3.4	3.4	3.4	135
140				5.5	5.7	5.6	3	3	3	3	3	3	5.2	5.6	5.6	3.1	3.1	3.2	5	5.1	5.4		3.2	3.2	3.2	140
145				5.1	5.4	5.5	2.8	2.9	2.9	2.8	2.8	2.9	4.7	5	5.3	3	3	3	4.6	4.9	4.9		3.1	3.1	3.1	145
150				4.6	5	5.1	2.7	2.7	2.7	2.6	2.7	2.7	4.4	4.6	4.7	2.8	2.8	2.9	4.2	4.5	4.7		2.9	2.9	3	150
155				4.1	4.5	4.6	2.6	2.6	2.6	2.5	2.5	2.5	4.2	4.3	4.3	2.7	2.7	2.7	3.7	4.1	4.3		2.8	2.8	2.8	155
160				3.6	4	4.1	2.4	2.5	2.5	2.3	2.4	2.4	3.8	4.1	4.1	2.5	2.6	2.6	3.5	3.6	3.8		2.7	2.7	2.7	160
165				3.2	3.5	3.6	2.3	2.3	2.3	2.2	2.2	2.2	3.4	3.7	3.8	2.4	2.4	2.5	3.3	3.4	3.5		2.5	2.6	2.6	165
170				2.8	3	3.1	2.2	2.2	2.2	2	2.1	2.1	2.9	3.2	3.3	2.3	2.3	2.3	3	3.2	3.3		2.4	2.4	2.5	170
175				2.4	2.6	2.6	2	2.1	2.1	1.9	1.9	1.9	2.7	2.8	2.9	2.1	2.2	2.2	2.6	2.9	3		2.2	2.3	2.3	175
180				2.1	2.2		1.9	2	2	1.8	1.8	1.8	2.6	2.6	2.6	2	2	2.1	2.3	2.5	2.6		2.1	2.2	2.2	180
185							1.8	1.8		1.7	1.7	1.7	2.4	2.5	2.5	1.9	1.9	1.9	2.2	2.3	2.3		2	2	2.1	185
190										1.6	1.6		2.1	2.2	2.1	1.8	1.8	1.8	2	2.1	2.2		1.8	1.9	1.9	190
195													2	2		1.7	1.7	1.7	1.8	1.9	1.9		1.7	1.7	1.8	195
200																1.6	1.7		1.5	1.6	1.6		1.5	1.6	1.6	200

L_197_004_02001_00_000

Lifting capacities

Forces de levage



	144 ft + 46 ft			148 ft + 46 ft			154 ft + 46 ft			156 ft + 46 ft			160 ft + 46 ft			166 ft + 46 ft			168 ft + 46 ft			170 ft + 46 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°	
	K 35 ft																								
34	7.3			11.5																					34
36	7.3			11.5			6.9			6.7			9.1												36
38	7.3			11.5			6.9			6.7			9.1			6.2									38
40	7.3			11.5			6.9			6.7			9.1			6.2			6			5.8			40
45	7.2			11.3			6.9			6.7			9.2			6.2			6			5.9			45
50	7	7		11	10.5		6.7	6.7		6.6			9.1	9		6.2			6			5.9			50
55	6.8	6.8		10.6	10.1		6.6	6.6		6.4	6.4		9.1	8.8		6.1	6.1		5.9	5.9		5.8	5.8		55
60	6.6	6.6	6.5	10.3	9.8	9.3	6.4	6.4		6.3	6.3		8.9	8.6	8.4	5.9	5.9		5.8	5.8		5.7	5.7		60
65	6.4	6.3	6.2	10	9.4	9	6.2	6.2	6.1	6.1	6.1	6.1	8.7	8.4	8.2	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.5	65
70	6.1	6	5.9	9.7	9.1	8.7	6	5.9	5.9	5.9	5.9	5.8	8.5	8.2	8	5.6	5.6	5.7	5.5	5.5	5.6	5.4	5.4	5.5	70
75	5.9	5.7	5.7	9.3	8.8	8.4	5.8	5.7	5.6	5.7	5.6	5.6	8.3	8	7.8	5.5	5.4	5.4	5.4	5.3	5.4	5.3	5.3	5.3	75
80	5.6	5.5	5.4	9.1	8.5	8.1	5.6	5.5	5.4	5.5	5.4	5.3	8.1	7.8	7.5	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.1	80
85	5.4	5.2	5.2	8.8	8.2	7.9	5.3	5.2	5.2	5.3	5.2	5.1	7.9	7.5	7.3	5.1	5.1	5.1	5	5	5	5	5	4.9	85
90	5.1	5	5	8.4	7.9	7.6	5.1	5	5	5.1	5	4.9	7.7	7.3	7.1	5	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	90
95	4.9	4.8	4.8	8.1	7.7	7.4	4.9	4.8	4.8	4.9	4.7	4.7	7.4	7.1	6.9	4.8	4.7	4.7	4.7	4.6	4.6	4.7	4.6	4.6	95
100	4.7	4.6	4.6	7.8	7.4	7.2	4.7	4.6	4.6	4.7	4.6	4.5	7.1	6.9	6.7	4.6	4.5	4.5	4.5	4.5	4.4	4.5	4.4	4.4	100
105	4.4	4.4	4.4	7.6	7.2	7	4.5	4.4	4.4	4.5	4.4	4.4	6.9	6.7	6.6	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.3	4.2	105
110	4.2	4.2	4.2	7.3	6.9	6.7	4.3	4.2	4.2	4.3	4.2	4.2	6.6	6.5	6.4	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1	110
115	4	4	4	7.1	6.7	6.5	4.1	4	4	4.1	4	4	6.3	6.3	6.2	4.1	4	4	4	4	4	4	4	3.9	115
120	3.9	3.8	3.8	6.4	6.5	6.3	3.9	3.9	3.9	3.9	3.8	3.9	6.1	6.1	6.1	3.9	3.9	3.8	3.9	3.8	3.8	3.9	3.8	3.8	120
125	3.7	3.6	3.7	5.9	6.2	6.2	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.9	5.9	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	125
130	3.5	3.5	3.5	5.6	5.7	5.9	3.6	3.6	3.6	3.6	3.5	3.5	5	5.6	5.7	3.6	3.6	3.6	3.6	3.5	3.5	3.6	3.5	3.5	130
135	3.4	3.3	3.4	5.1	5.5	5.5	3.5	3.4	3.4	3.4	3.4	3.4	4.7	5.1	5.4	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	135
140	3.2	3.2	3.2	4.6	5.1	5.3	3.3	3.3	3.3	3.3	3.3	3.3	4.5	4.6	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	140
145	3	3.1	3.1	4.2	4.6	4.9	3.2	3.1	3.2	3.2	3.1	3.2	4.2	4.4	4.4	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.2	145
150	2.9	2.9	2.9	4	4.1	4.4	3	3	3	3	3	3	3.7	4.1	4.2	3.1	3	3.1	3	3	3	3	3	3	150
155	2.7	2.8	2.8	3.7	3.9	4	2.9	2.9	2.9	2.9	2.9	2.9	3.2	3.7	4	3	2.9	3	2.9	2.9	2.9	2.9	2.9	2.9	155
160	2.5	2.6	2.7	3.3	3.7	3.8	2.8	2.8	2.8	2.7	2.8	2.8	2.9	3.2	3.5	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.8	2.8	160
165	2.4	2.5	2.5	2.8	3.2	3.5	2.6	2.6	2.7	2.5	2.6	2.7	2.8	2.8	3	2.7	2.7	2.8	2.6	2.7	2.7	2.6	2.7	2.7	165
170	2.2	2.3	2.4	2.6	2.8	3	2.5	2.5	2.6	2.4	2.5	2.5	2.5	2.7	2.7	2.5	2.6	2.6	2.4	2.6	2.6	2.4	2.5	2.6	170
175	2.1	2.1	2.2	2.5	2.5	2.5	2.4	2.4	2.5	2.2	2.3	2.4	2.1	2.5	2.6	2.1	2.4	2.5	2.1	2.4	2.5	2	2.4	2.4	175
180	1.9	2	2	2.4	2.4	2.4	2.3	2.3	2.4	2.1	2.2	2.2	1.7	2.1	2.3	1.7	2.1	2.3	1.7	2.1	2.2	1.6	2	2.2	180
185	1.8	1.8	1.9	2	2.3	2.3	2	2.2	2.2	1.9	2	2.1	1.3	1.7	1.9	1.3	1.7	1.9		1.7	1.9		1.6	1.8	185
190	1.6	1.7	1.7	1.7	1.9	2	1.6	1.9	2	1.6	1.8	1.9		1.3	1.5			1.5			1.5			1.4	190
195	1.5	1.6	1.6	1.4	1.6	1.6			1.6	1.6															195
200	1.4	1.4	1.4																						200

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Lifting capacities

Forces de levage

TVK



	172 ft + 46 ft			178 ft + 46 ft			182 ft + 46 ft			184 ft + 46 ft			186 ft + 46 ft			191 ft + 46 ft			195 ft + 46 ft			197 ft + 46 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°			
	K 35 ft																										
40	7.3																										
45	7.3			5.6			5.2			5.6			5.4			4.3			3.5			3.2					
50	7.3			5.6			5.3			5.6			5.5			4.6			3.8			3.4					
55	7.3	7.3		5.6			5.3			5.6			5.4			4.7			4			3.7					
60	7.2	7.2		5.5	5.5		5.2	5.2		5.5	5.5		5.4	5.4		4.7	5		4.2	4.5		3.9	4.2				
65	7.2	7.2	6.8	5.4	5.4		5.1	5.1		5.4	5.4		5.3	5.3		4.8	4.9		4.2	4.5		4	4.3				
70	7.1	7	6.8	5.3	5.3	5.3	5	5.1	5	5.3	5.3	5.3	5.2	5.2	5.2	4.8	4.8	4.8	4.3	4.5		4.1	4.3				
75	6.9	6.9	6.7	5.2	5.2	5.2	4.9	5	4.9	5.2	5.2	5.2	5.1	5.1	5.1	4.7	4.8	4.7	4.3	4.5	4.4	4.1	4.4	4.3			
80	6.8	6.8	6.7	5	5	5.1	4.8	4.8	4.9	5.1	5.1	5.1	5	5	5	4.7	4.6	4.6	4.4	4.5	4.4	4.1	4.4	4.3			
85	6.7	6.6	6.5	4.9	4.9	4.9	4.7	4.7	4.8	5	4.9	5	4.9	4.9	4.9	4.6	4.6	4.6	4.4	4.4	4.4	4.2	4.3	4.3			
90	6.5	6.4	6.4	4.8	4.7	4.8	4.6	4.6	4.6	4.9	4.8	4.8	4.8	4.7	4.7	4.4	4.5	4.5	4.3	4.3	4.3	4.1	4.2	4.2			
95	6.3	6.2	6.2	4.6	4.6	4.6	4.4	4.4	4.5	4.7	4.6	4.6	4.7	4.6	4.6	4.3	4.3	4.4	4.2	4.2	4.2	4.1	4.1	4.1			
100	6.1	6.1	6.1	4.5	4.4	4.4	4.3	4.3	4.3	4.6	4.5	4.5	4.5	4.4	4.4	4.2	4.2	4.3	4.1	4.1	4.1	4	4	4.1			
105	5.9	5.9	5.9	4.3	4.3	4.3	4.2	4.2	4.2	4.4	4.3	4.3	4.4	4.3	4.3	4.1	4.1	4.1	4	4	4	3.9	3.9	4			
110	5.7	5.7	5.7	4.2	4.2	4.1	4.1	4	4	4.3	4.2	4.2	4.2	4.2	4.1	4	4	4	3.8	3.9	3.9	3.8	3.8	3.9			
115	5.5	5.5	5.5	4	4	4	3.9	3.9	3.9	4.1	4.1	4	4.1	4	4	3.9	3.9	3.9	3.8	3.7	3.8	3.7	3.7	3.7			
120	5.2	5.3	5.3	3.9	3.9	3.8	3.8	3.8	3.8	4	3.9	3.9	4	3.9	3.9	3.7	3.7	3.8	3.6	3.6	3.7	3.6	3.6	3.6			
125	5.1	5.1	5.1	3.8	3.7	3.7	3.7	3.7	3.6	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.6	3.7	3.5	3.5	3.6	3.5	3.5	3.5			
130	4.8	4.9	5	3.6	3.6	3.6	3.6	3.5	3.5	3.7	3.6	3.6	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.4	3.4			
135	4.4	4.7	4.8	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.4	3.3	3.3	3.3			
140	3.8	4.4	4.6	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.3	3.2	3.2	3.2			
145	3.3	3.9	4.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.1	3.3	3.3	3.1	3.2	3.2	2.9	3.1	3.2	2.8	3.1	3.1			
150	3.2	3.4	3.8	3.1	3.1	3.1	3.1	3.1	3.1	2.8	3.2	3.2	2.7	3.1	3.2	2.7	3	3.1	2.6	3	3.1	2.4	3	3			
155	3.1	3.1	3.3	3	3	3	2.9	3	2.9	2.4	2.8	3.1	2.2	2.8	3	2.3	2.8	2.9	2.1	2.6	2.9	2	2.5	2.9			
160	2.8	2.9	3	2.7	2.9	2.9	2.5	2.8	2.8	1.9	2.4	2.7	1.8	2.3	2.7	1.9	2.4	2.7	1.6	2.2	2.6	1.5	2.1	2.5			
165	2.4	2.8	2.9	2.3	2.6	2.8	2.1	2.6	2.7	1.4	2	2.4		1.9	2.2	1.3	2	2.3		1.8	2.2		1.7	2			
170	1.9	2.4	2.7	1.9	2.3	2.5	1.7	2.2	2.5		1.5	1.9		1.3	1.8		1.5	1.9			1.7			1.6			
175	1.5	2	2.2	1.5	1.9	2.2		1.8	2.1			1.4						1.4									
180		1.6	1.8		1.5	1.8																					
185			1.4			1.4																					

L_197_004_02001_00_000

Lifting capacities

Forces de levage



	38 ft + 46 ft			111 ft + 46 ft			115 ft + 46 ft			117 ft + 46 ft			123 ft + 46 ft			130 ft + 46 ft			135 ft + 46 ft			142 ft + 46 ft					
	K 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°			
15	15.7																							15			
16	15.6																								16		
17	15.5																								17		
18	15.5																								18		
19	15.4																								19		
20	15.4																								20		
22	15.2																								22		
24	15.1																								24		
26	15																								26		
28	14.9																								28		
30	14.7			10.7																					30		
32	14.4			10.6									10.5												32		
34	14.2			10.5			6.7			6.4			10.4						9.2						34		
36	14			10.5			6.7			6.5			10.4			5.8			9.2						36		
38	13.7	10.6		10.4			6.8			6.5			10.3			5.9			9.2						38		
40	13.2	10.4		10.4			6.8			6.5			10.2			6			9.2				5		40		
45	12	9.9		10.2			6.6			6.4			10.1			6			9.1				5.3		45		
50	10.8	9.6		9.9			6.4			6.2			10			5.8			9				5.2		50		
55	9.7	9	7.8	9.6	8.6		6.2			6			9.7	8.8		5.6			8.8				5		55		
60	8.8	8.4	7.6	9.2	8.2		5.9	5.7		5.8	5.5		9.4	8.5		5.4			8.5	7.9			4.9		60		
65	8.1	7.8	7.4	8.8	7.9		5.7	5.6		5.6	5.5		9	8.1		5.3	5		8.3	7.6			4.8	4.5	65		
70	7.5	7.2	7	8.4	7.5	6.9	5.4	5.4		5.4	5.3		8.6	7.7		5.1	5		8	7.3			4.6	4.5	70		
75	6.9	6.7	6.6	8	7.2	6.7	5.2	5.1	5	5.1	5		8.3	7.4	6.8	5	4.9		7.7	7	6.5		4.6	4.4	75		
80	6.4	6.2	6.2	7.6	6.9	6.4	4.9	4.8	4.8	4.8	4.8	4.8	7.9	7.1	6.6	4.8	4.7	4.6	7.4	6.8	6.3		4.5	4.4	80		
85	5.9	5.8	5.8	7.3	6.6	6.1	4.6	4.6	4.6	4.6	4.5	4.6	7.6	6.8	6.3	4.5	4.4	4.5	7.2	6.5	6.1		4.3	4.3	4.1	85	
90	5.5	5.5	5.4	6.9	6.3	5.9	4.4	4.3	4.4	4.3	4.3	4.3	7.3	6.5	6.1	4.3	4.2	4.3	6.9	6.2	5.9		4.2	4.1	4.1	90	
95	5.2	5.1	5.1	6.6	6	5.7	4.1	4.1	4.1	4.1	4	4.1	6.9	6.3	5.9	4.1	4	4	6.6	6	5.7		4	3.9	3.9	95	
100	4.8	4.8	4.8	6.3	5.8	5.5	3.9	3.9	3.9	3.8	3.8	3.9	6.6	6	5.6	3.9	3.8	3.9	6.4	5.8	5.5		3.8	3.7	3.8	100	
105	4.5	4.5	4.5	6	5.6	5.3	3.7	3.7	3.7	3.6	3.7	3.7	6.3	5.8	5.4	3.7	3.7	3.7	6.1	5.6	5.3		3.6	3.5	3.6	105	
110	4.2	4.2	4.3	5.7	5.3	5.1	3.4	3.5	3.5	3.4	3.5	3.5	6	5.5	5.3	3.5	3.5	3.5	5.9	5.4	5.1		3.5	3.4	3.4	110	
115	4	4	4	5.5	5.1	4.9	3.2	3.3	3.3	3.2	3.3	3.3	5.8	5.3	5.1	3.3	3.3	3.3	5.6	5.2	5		3.3	3.3	3.3	115	
120	3.8	3.7	3.8	5.3	4.9	4.7	3.1	3.1	3.2	3.1	3.1	3.2	5.5	5.1	4.9	3.1	3.1	3.2	5.4	5	4.8		3.1	3.1	3.1	120	
125	3.5	3.5	3.6	5.1	4.7	4.6	2.9	2.9	3	2.9	2.9	3	5.3	4.9	4.7	3	3	3	5.2	4.8	4.7		3	3	3	125	
130	3.3	3.3	3.4	4.8	4.6	4.4	2.7	2.8	2.8	2.7	2.8	2.8	5.1	4.8	4.6	2.8	2.8	2.9	5	4.7	4.5		2.8	2.8	2.9	130	
135	3.2	3.2		4.6	4.4	4.3	2.6	2.6	2.7	2.6	2.6	2.7	4.9	4.6	4.4	2.7	2.7	2.7	4.9	4.5	4.4		2.7	2.7	2.7	135	
140				4.4	4.2	4.1	2.4	2.5	2.5	2.4	2.5	2.5	4.7	4.4	4.3	2.5	2.5	2.6	4.6	4.4	4.2		2.6	2.6	2.6	140	
145				4.3	4.1	4	2.3	2.3	2.4	2.3	2.3	2.4	4.5	4.3	4.2	2.4	2.4	2.5	4.4	4.2	4.1		2.4	2.4	2.5	145	
150				4.1	3.9	3.9	2.1	2.2	2.3	2.2	2.2	2.3	4.2	4.1	4	2.3	2.3	2.3	4	4.1	4		2.3	2.3	2.4	150	
155				4	3.8	3.8	2	2.1	2.1	2	2.1	2.1	4	4	3.9	2.1	2.2	2.2	3.8	3.9	3.9		2.2	2.2	2.2	155	
160				3.8	3.7	3.6	1.9	2	2	1.9	2	2	3.7	3.8	3.8	2	2.1	2.1	3.5	3.7	3.8		2.1	2.1	2.1	160	
165				3.7	3.6	3.5	1.8	1.8	1.9	1.8	1.9	1.9	3.4	3.6	3.6	1.9	1.9	2	3.2	3.5	3.6		2	2	2.1	165	
170				3.4	3.5	3.4	1.7	1.7	1.8	1.7	1.8	1.8	3.2	3.4	3.5	1.8	1.8	1.9	2.8	3.4	3.4		1.9	1.9	2	170	
175				3	3.4	3.4	1.6	1.6	1.7	1.5	1.6	1.7	3	3.1	3.3	1.7	1.7	1.8	2.6	3	3.3		1.8	1.8	1.8	175	
180				2.6	3.1	3.3	1.5	1.5	1.5	1.4	1.5	1.6	2.6	3	3.1	1.6	1.6	1.7	2.5	2.6	3		1.6	1.7	1.8	180	
185				2.3	2.7	2.8	1.3	1.4	1.4				2.3	2.7	2.9	1.5	1.5	1.6	2.3	2.4	2.6		1.5	1.6	1.7	185	
190				1.9	2.3	2.4			1.3				2	2.4	2.6	1.4	1.4	1.5	2	2.3	2.4		1.4	1.5	1.6	190	
195				1.6	1.9	2							1.8	2	2.2			1.4	1.6	2.1	2.2			1.4	1.5	1.95	195
200				1.3	1.6	1.5							1.7	1.8	1.8				1.4	1.8	2				1.3	200	
205													1.5	1.7	1.7					1.5	1.6					205	
210														1.5	1.5											210	

t_197_004_03001_00_000

Lifting capacities

Forces de levage



	144 ft + 46 ft			148 ft + 46 ft			154 ft + 46 ft			156 ft + 46 ft			160 ft + 46 ft			166 ft + 46 ft			168 ft + 46 ft			170 ft + 46 ft			
	K 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°	
38				7.9																					38
40	4.8			7.9																					40
45	5			7.9			4.5			4.1			6.3			3.2			2.9			2.7			45
50	5			7.8			4.7			4.4			6.4			3.5			3.1			2.9			50
55	4.9			7.7			4.7			4.5			6.4			3.7			3.4			3.1			55
60	4.8			7.5			4.6			4.5			6.4			3.9			3.6			3.3			60
65	4.7	4.4		7.3	6.7		4.5			4.4			6.2	5.7		4			3.8			3.5			65
70	4.6	4.4		7.2	6.7		4.4	4.2		4.3	4.1		6.1	5.7		4	3.8		3.8			3.7			70
75	4.5	4.3		7	6.5		4.3	4.1		4.2	4		6	5.6		3.9	3.7		3.8	3.6		3.7	3.6		75
80	4.4	4.3		6.8	6.3	5.9	4.2	4		4.1	4		5.9	5.6		3.9	3.7		3.7	3.6		3.6	3.5		80
85	4.3	4.2	4.1	6.6	6.1	5.7	4.2	4	3.8	4	3.9		5.8	5.5	5.1	3.8	3.7		3.7	3.6		3.6	3.5		85
90	4.1	4.1	4	6.4	5.9	5.6	4	4	3.8	3.9	3.9	3.8	5.7	5.4	5	3.7	3.6	3.5	3.6	3.6	3.4	3.5	3.5	3.3	90
95	3.9	3.9	3.9	6.2	5.7	5.4	3.9	3.9	3.8	3.8	3.8	3.7	5.6	5.3	5	3.7	3.6	3.4	3.5	3.5	3.4	3.5	3.4	3.3	95
100	3.8	3.7	3.7	6	5.5	5.2	3.8	3.7	3.7	3.7	3.7	3.7	5.5	5.1	4.9	3.6	3.6	3.4	3.5	3.5	3.3	3.4	3.4	3.3	100
105	3.6	3.5	3.6	5.8	5.3	5	3.6	3.5	3.6	3.6	3.5	3.5	5.3	5	4.8	3.5	3.5	3.4	3.4	3.4	3.3	3.4	3.3	3.3	105
110	3.4	3.4	3.4	5.5	5.1	4.9	3.4	3.4	3.4	3.4	3.4	3.4	5.2	4.8	4.6	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	110
115	3.3	3.2	3.3	5.3	5	4.8	3.3	3.2	3.3	3.3	3.2	3.2	5	4.7	4.5	3.2	3.2	3.2	3.2	3.1	3.2	3.1	3.1	3.2	115
120	3.1	3.1	3.1	5.2	4.8	4.6	3.1	3.1	3.1	3.1	3.1	3.1	4.9	4.6	4.4	3.1	3.1	3.1	3	3	3	3	3	3	120
125	2.9	3	3	5	4.7	4.5	3	3	3	3	3	3	4.7	4.4	4.3	3	2.9	3	2.9	2.9	2.9	2.9	2.9	2.9	125
130	2.8	2.8	2.9	4.8	4.5	4.4	2.9	2.9	2.9	2.8	2.8	2.9	4.6	4.3	4.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	130
135	2.7	2.7	2.7	4.6	4.4	4.2	2.7	2.7	2.7	2.7	2.7	2.7	4.4	4.2	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	135
140	2.5	2.6	2.6	4.3	4.2	4.1	2.6	2.6	2.6	2.6	2.6	2.6	4	4.1	4	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	140
145	2.4	2.4	2.5	4.2	4.1	4	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.9	3.9	2.5	2.5	2.5	2.5	2.4	2.5	2.4	2.4	2.5	145
150	2.3	2.3	2.4	3.9	4	3.9	2.4	2.4	2.4	2.3	2.3	2.4	3.5	3.8	3.8	2.3	2.4	2.4	2.4	2.3	2.4	2.4	2.3	2.4	150
155	2.2	2.2	2.2	3.4	3.8	3.8	2.3	2.3	2.3	2.2	2.2	2.3	3.2	3.5	3.7	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.3	155
160	2.1	2.1	2.1	3.2	3.6	3.7	2.1	2.1	2.2	2.1	2.1	2.2	2.9	3.3	3.6	2.2	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.2	160
165	2	2	2	3	3.4	3.6	2	2	2.1	2	2	2.1	2.5	3.2	3.3	2.1	2.1	2.1	2	2	2.1	2	2	2.1	165
170	1.8	1.9	1.9	2.7	3	3.4	1.9	2	2	1.9	1.9	2	2.1	2.9	3.2	2	2	2	1.9	2	2	1.9	2	2	170
175	1.7	1.8	1.8	2.4	2.8	3.1	1.8	1.9	1.9	1.8	1.9	1.9	1.9	2.5	3	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.9	1.9	175
180	1.5	1.7	1.7	2	2.6	2.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	2.1	2.7	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.8	180
185	1.4	1.6	1.6	1.7	2.3	2.6	1.7	1.7	1.7	1.5	1.7	1.7	1.7	1.8	2.3	1.6	1.7	1.8	1.5	1.7	1.7	1.6	1.7	1.7	185
190		1.4	1.5	1.6	1.9	2.3	1.6	1.6	1.6	1.3	1.6	1.6		1.7	1.8		1.6	1.7		1.6	1.7		1.6	1.7	190
195			1.4	1.5	1.6	1.9	1.4	1.5	1.6		1.4	1.5		1.5	1.6		1.5	1.6		1.4	1.6		1.4	1.6	195
200				1.5	1.5	1.5		1.4	1.5			1.4			1.5			1.5			1.5			1.5	200
205				1.4	1.5				1.4																205
210				1.3																					210

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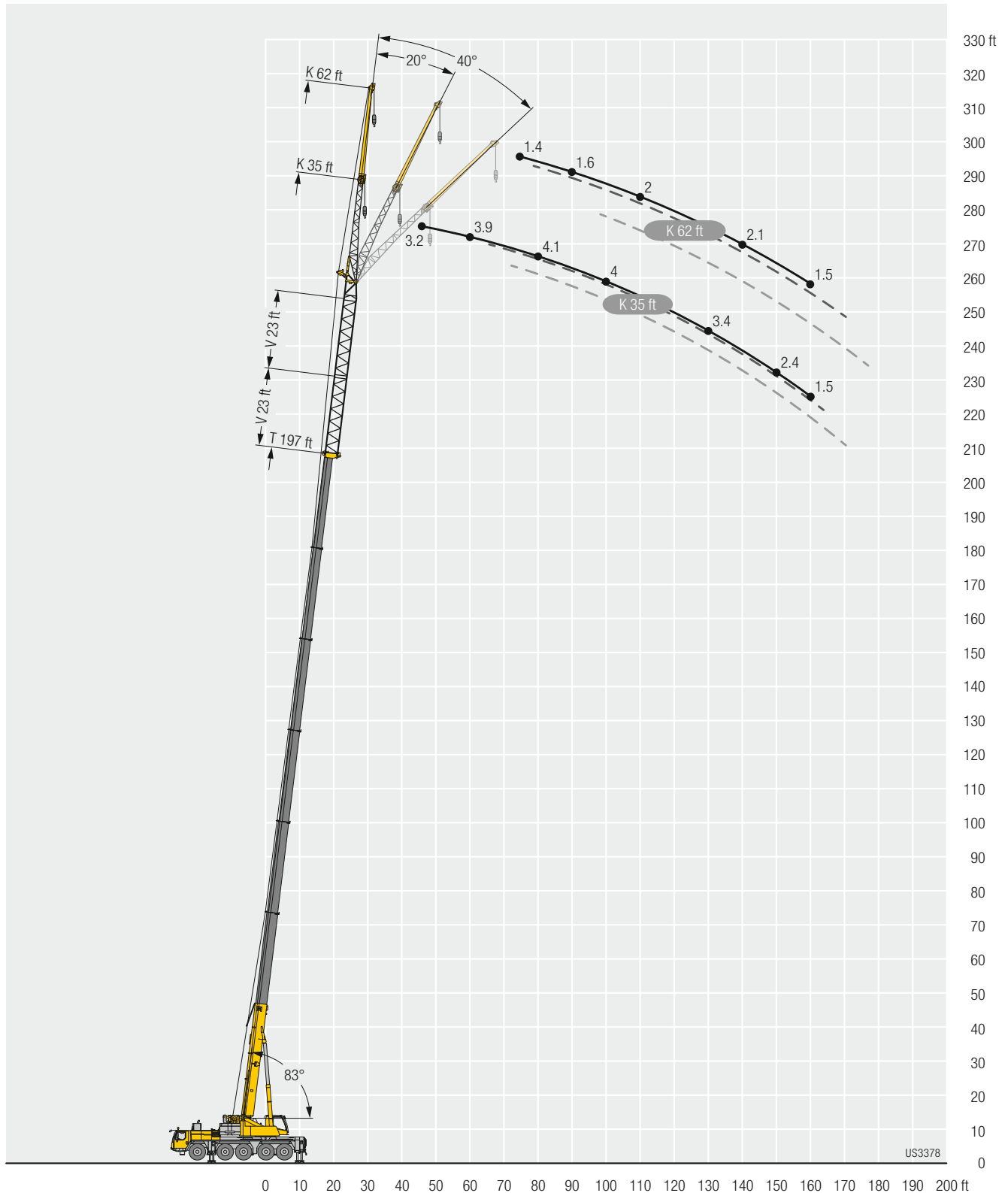
Lifting capacities Forces de levage



Lifting height (ft)	172 ft + 46 ft			178 ft + 46 ft			182 ft + 46 ft			184 ft + 46 ft			186 ft + 46 ft			191 ft + 46 ft			195 ft + 46 ft			197 ft + 46 ft			Lifting height (ft)	
	K 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°		
45	4.2			2.3																					45	
50	4.5			2.4			2			2.3			2.1			1.6									50	
55	4.6			2.5			2.1			2.4			2.2			1.7									55	
60	4.7			2.7			2.2			2.6			2.3			1.7			1.4						60	
65	4.7			2.9			2.3			2.7			2.5			1.8			1.4						65	
70	4.7	4.5		3.1			2.5			2.9			2.6			1.9			1.5						70	
75	4.7	4.5		3.2	3.4		2.6	3.1		3.1	3.5		2.8	3.3		2	2.5		1.5	1.9		1.4	1.7		75	
80	4.7	4.4		3.3	3.3		2.8	3.1		3.2	3.4		2.9	3.3		2.1	2.7		1.6	2		1.4	1.7		80	
85	4.6	4.4		3.4	3.3		2.9	3.2		3.3	3.4		3.1	3.3		2.2	2.8		1.7	2.2		1.5	1.9		85	
90	4.5	4.4	4.1	3.4	3.3		3.1	3.1		3.3	3.4		3.1	3.3		2.4	2.9		1.8	2.3		1.6	2.1		90	
95	4.4	4.3	4.1	3.3	3.3	3.1	3.1	3.1	3	3.4	3.4	3.2	3.2	3.3	3.2	2.5	2.9	2.8	1.9	2.5		1.7	2.2		95	
100	4.4	4.3	4.1	3.3	3.3	3.1	3.1	3.1	3	3.4	3.3	3.2	3.2	3.2	3.2	2.6	2.9	2.8	2	2.6	2.6	1.8	2.4	2.6	100	
105	4.3	4.3	4.1	3.2	3.2	3.1	3.1	3.1	3	3.3	3.3	3.2	3.2	3.2	3.2	2.7	2.9	2.8	2.2	2.7	2.6	1.9	2.5	2.5	105	
110	4.2	4.3	4.1	3.1	3.2	3.1	3	3	3	3.3	3.2	3.2	3.1	3.2	3.1	2.7	2.9	2.8	2.3	2.7	2.6	2	2.6	2.5	110	
115	4.1	4.2	4.1	3	3.1	3.1	3	3	3	3.2	3.1	3.1	3.1	3.1	3.1	2.8	2.9	2.8	2.4	2.7	2.6	2.1	2.6	2.5	115	
120	4.1	4.1	4	2.9	3	3	2.9	3	3	3.1	3	3.1	3	3	3	2.7	2.8	2.8	2.4	2.6	2.6	2.2	2.6	2.5	120	
125	4	4.1	4	2.9	2.9	2.9	2.8	2.8	2.9	3	2.9	3	2.9	2.9	2.9	2.6	2.8	2.8	2.4	2.6	2.6	2.2	2.5	2.5	125	
130	3.9	4	3.9	2.8	2.8	2.8	2.7	2.7	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.6	2.7	2.7	2.3	2.6	2.6	2.2	2.5	2.5	130	
135	3.8	3.8	3.8	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.5	2.6	2.6	2.3	2.5	2.5	2.2	2.5	2.5	135	
140	3.7	3.7	3.7	2.6	2.6	2.6	2.5	2.5	2.6	2.7	2.6	2.6	2.6	2.6	2.6	2.4	2.5	2.5	2.2	2.5	2.5	2.1	2.4	2.5	140	
145	3.4	3.6	3.6	2.5	2.5	2.5	2.4	2.4	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.2	2.4	2.4	2.1	2.3	2.4	145	
150	2.9	3.5	3.5	2.4	2.4	2.4	2.3	2.3	2.4	2.4	2.4	2.5	2.4	2.4	2.5	2.3	2.3	2.4	2.2	2.3	2.3	2.1	2.3	2.3	150	
155	2.5	3.3	3.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.2	2.3	2.4	2.1	2.3	2.3	2.1	2.2	2.3	2	2.2	2.2	155	
160	2.3	3	3.4	2.2	2.2	2.2	2.2	2.2	2.2	2	2.2	2.3	1.8	2.2	2.3	1.9	2.2	2.2	1.7	2.1	2.2	1.5	2.1	2.2	160	
165	2.2	2.6	3.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	2.1	2.2	1.3	2.1	2.2	1.4	2.1	2.1		2	2.1		2	2.1	165	
170	2	2.2	2.8	1.9	2	2	1.7	2	2		2	2.1		1.9	2.1		1.9	2		1.9	2		1.7	2	170	
175	1.7	2	2.4	1.6	1.9	2	1.4	1.9	1.9		1.7	2		1.6	2		1.7	1.9		1.4	1.9			1.9	175	
180		1.9	2		1.8	1.9		1.8	1.9			1.9			1.8			1.8			1.8			1.6		180
185		1.7	1.8		1.7	1.8		1.4	1.8			1.5			1.4			1.5								185
190		1.3	1.7			1.7			1.6																	190
195			1.5			1.4																				195

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Lifting heights Hauteurs de levage



Lifting capacities

Forces de levage

TK



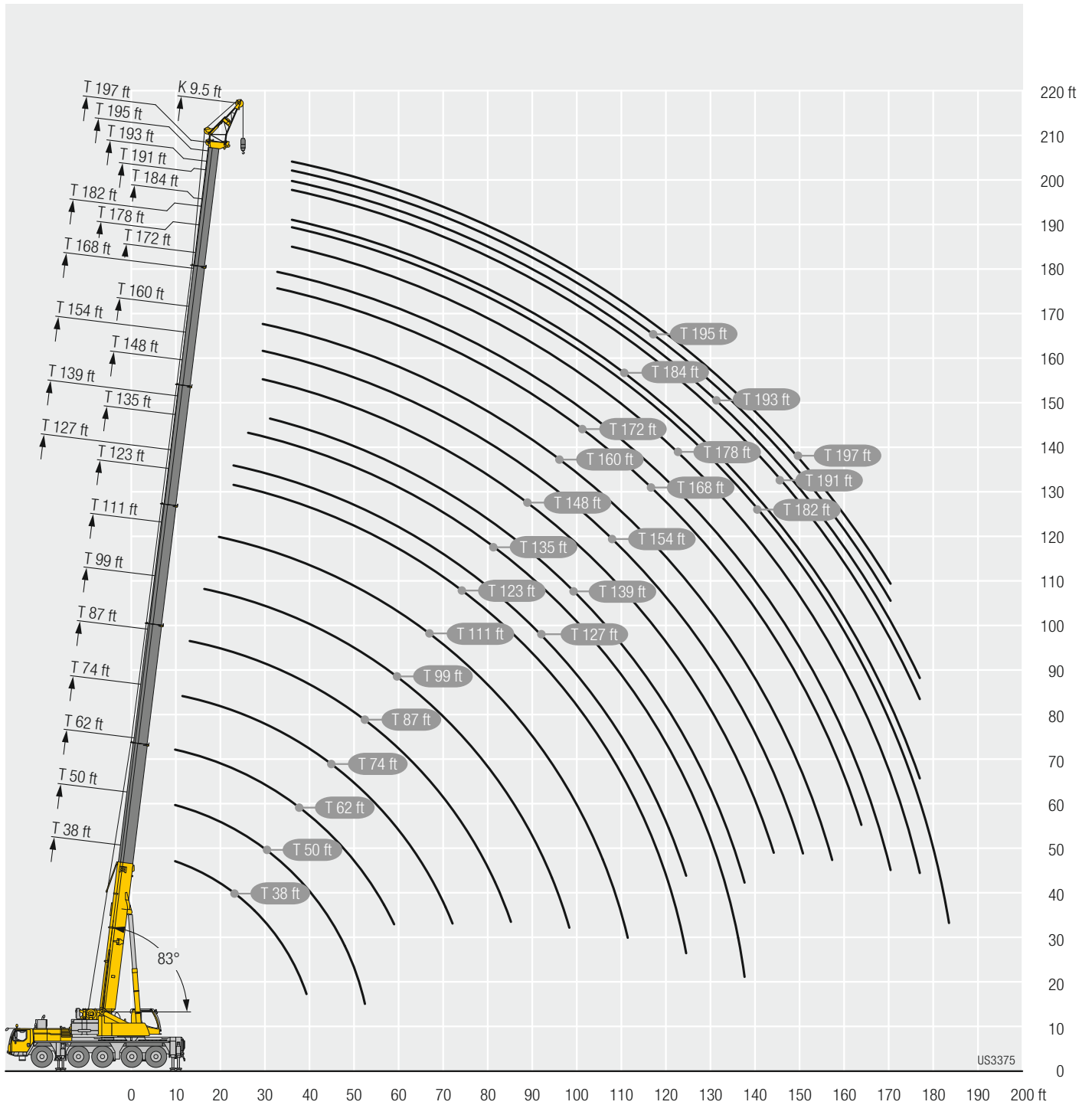
85%

	38	50	62	74	87	99	111	123	127	135	139	148	154	160	168	172	178	182	184	191	193	195	197		
	ft																								
	K 9.5 ft																								
10	64.1	64.1	64.1																					10	
11	64.1	64.1	64.1	64.1																					11
12	64.1	64.1	64.1	64.1																					12
13	64.1	64.1	64.1	64.1																					13
14	64.1	64.1	64.1	64.1	64.1																				14
15	64.1	64.1	64.1	64.1	64.1	64.1																			15
16	64.1	64.1	64.1	64.1	64.1	64.1	64.1																		16
17	64.1	64.1	64.1	64.1	64.1	64.1	64.1																		17
18	64.1	64.1	64.1	64.1	64.1	64.1	64.1																		18
19	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1																	19
20	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1																	20
22	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	58.6																22
24	64.1	64.1	64.1	64.1	64.1	64.1	64.1	57.4	44.7	34.9															24
26	64.1	64.1	64.1	64.1	64.1	64.1	64.1	56.1	43.5	42.7	40.1														26
28	64.1	64.1	64.1	64.1	64.1	64.1	64.1	54.8	42.3	41.8	39.3	37.1													28
30	64.1	64.1	64.1	64.1	64.1	64.1	63.9	53.4	41.2	40.9	38.5	36.6	33.9	30.2											30
32	64.1	64.1	64.1	64.1	64.1	64.1	62.4	51.9	40.1	40	37.8	36.1	33.7	30	21.3	24.4									32
34	64.1	64.1	64.1	64.1	64.1	64.1	60.8	50.5	39.1	39.1	37	35.6	33.4	29.8	21.1	24.2	19.9								34
36	62.8	63.6	63.6	63.1	62.3	61.7	59.2	48.9	38.1	38.1	36.2	35	33	29.6	20.9	24	19.7	18.6	19.8	17.6	16.9	14.9	14.4		36
38	58.6	59.5	60	59.8	59.3	57.8	56.9	47.4	37.1	37.1	35.5	34.4	32.5	29.2	20.6	23.8	19.5	18.5	19.7	17.5	16.8	14.8	14.4		38
40	54.6	55.6	56.1	56	55.5	55.7	53.5	45.9	36.2	36.2	34.7	33.8	32	28.9	20.2	23.6	19.3	18.3	19.5	17.4	16.7	14.7	14.4		40
45		47	47.6	48	48.4	47.8	46.2	42.4	34.2	34	32.8	32.1	30.2	27.8	19.3	22.9	18.6	17.8	19.1	17.1	16.5	14.5	14.2		45
50		40.3	40.9	41.9	41.7	41.1	40.1	38.1	32.4	32.2	30.7	30.2	28.2	26.6	18.4	22.1	18	17.3	18.6	16.6	16.2	14.3	14		50
55			36.3	36.6	36.3	35.7	34.8	34.1	30.6	30.5	28.9	28.3	26.3	25.4	17.4	21.2	17.2	16.6	18	16.1	15.7	14.1	13.8		55
60			32	32.2	31.9	31.3	30.5	30	28.8	28.8	27.2	26.5	24.6	24	16.4	20.2	16.5	15.9	17.2	15.6	15.3	13.7	13.5		60
65			28.1	28.5	28.3	27.7	26.8	26.8	26.6	26.2	25.2	24.7	23	22.6	15.5	19.2	15.7	15.2	16.5	15	14.7	13.3	13.1		65
70				25.4	25.2	24.6	24.2	24.1	23.6	23.1	22.6	22.4	21.4	21.2	14.7	18.3	15	14.4	15.8	14.5	14.1	12.9	12.7		70
75				22.8	22.5	21.9	22.4	21.3	20.8	20.9	19.9	20.4	19.5	19.6	13.8	17.5	14.3	13.8	15.1	13.9	13.5	12.4	12.3		75
80					20.2	20.3	20	18.9	18.4	19	17.5	18.4	17.2	17.6	13	16.7	13.7	13.1	14.4	13.3	12.9	11.9	11.8		80
85					18.3	18.7	17.9	17.7	16.4	17	15.5	16.4	15.2	16.1	12.2	15.6	13	12.4	13.7	12.8	12.3	11.5	11.2		85
90						16.9	16.1	16.1	14.6	15.2	13.7	15.2	13.4	14.7	11.6	13.8	12.4	11.7	13	12.2	11.8	11	10.7		90
95						15.4	14.5	14.5	13	13.8	12.1	13.8	11.9	13.2	11	12.4	11.7	11.2	12.2	11.7	11.2	10.5	10.2		95
100						14	13.1	13.1	11.6	12.9	10.7	12.5	10.6	11.7	10.5	11.7	11.2	10.6	10.9	11	10.6	10.1	9.7		100
105							11.9	11.9	10.3	11.9	9.6	11.2	10.1	10.9	10	10.5	10.5	10.2	9.8	9.8	9.8	9.7	9.3		105
110							11.6	10.7	9.8	11	9	10.1	9.6	10	9.5	9.5	9.5	9.4	8.8	8.9	8.9	9	8.7		110
115								10.1	9.4	10	8.6	9.5	9.2	9.2	9.1	8.7	8.7	8.6	8	8.1	8.1	8.2	8.1		115
120								9.7	9.1	9.2	8.2	8.9	8.8	8.4	8.4	7.9	8	7.9	7.3	7.4	7.3	7.4	7.3		120
125								9.1	8.9	8.5	7.9	8.3	8.3	7.7	7.8	7.3	7.3	7.2	6.6	6.7	6.7	6.7	6.6		125
130									6.6	7.9	7.5	7.7	7.7	7.1	7.1	6.6	6.7	6.6	6	6.1	6.1	6.1	6		130
135										7.4	7.3	7.1	7.1	6.5	6.6	6.1	6.1	6	5.4	5.5	5.5	5.6	5.5		135
140											7	6.6	6.6	6	6	5.6	5.6	5.5	4.9	5	5	5	4.9		140
145												6.1	6.1	5.5	5.6	5.1	5.1	5	4.4	4.5	4.5	4.6	4.5		145
150												5.7	5.7	5.1	5.1	4.6	4.7	4.6	4	4.1	4	4.1	4		150
155													5.4	4.7	4.7	4.2	4.3	4.2	3.6	3.6	3.6	3.7	3.6		155
160														4.3	4.3	3.8	3.9	3.8	3.1	3.3	3.2	3.3	3.2		160
165															4	3.4	3.5	3.4	2.7	2.8	2.8	2.9	2.8		165
170															3.6	3	3.1	3	2.3	2.4	2.4	2.5	2.3		170
175																	2.7	2.6	1.9	2	2	1.6			175
180																		2.4	2.3	1.5					180

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Lifting heights Hauteurs de levage

TK



Equipment Equipment

Crane carrier

Frame	Liebherr designed and manufactured, box-type, torsion resistant design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 400 kW (544 h.p.), max. torque 1856 lb-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 148 gallons.
Transmission	Automated 12-speed manual gearbox including interarder. Distributor gear, two-stage, with locking differential.
Axles	Low maintenance carrier axles, all 5 axles steered. Axle 2, 4 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 4 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are mounted on hydropneumatic suspension – "Niveumatik suspension" and are lockable hydraulically.
Tyres	10 tyres, size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2nd to 5th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder in gearbox.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 180 Ah each.

Crane superstructure

Frame	Liebherr-manufactured, torsionally rigid steel construction made from high-tensile fine-grain steel. Triple-roller slewing rim.
Crane drive	Mechanical drive of the crane hydraulic from the chassis. Variable axial piston pumps with servo control and power regulation.
Control	Electric "Load Sensing" control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as a standard feature.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system hoist limit switch, safety valves to prevent pipe and hose ruptures.

Telescopic boom	1 base section and 6 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom length: 38 ft – 197 ft.
Counterweight	29,500 lb
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 180 Ah each.

Additional equipment

K	Assembly jib 9.5 ft
K	Double swing-away jib 35 ft – 62 ft Adjustment 0°, 20°, 40°
NZK	Hydraulically adjustable swing-away jib 35 ft – 62 ft Hydraulically adjustment 0° – 40°
V	Telescopic boom extension 2 x 23 ft
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	34,400 lb for a total counterweight of 63,900 lb.
Tyres	10 tyres, size and 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1st axle.

Other items of equipment available on request.

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

Equipment Equipment

Châssis porteur

Cadre	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 400 kW (544 ch), couple max. 1856 lb-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 148 gallons.
Boîte de vitesse	Boîte de vitesses 12 rapports automatisée incl. ralentisseur. Mécanisme de distribution deux étages avec blocage du différentiel de distribution.
Essieux	Essieux nécessitant peu d'entretien, les 5 essieux sont directeurs. Les essieux 2, 4 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 4 avec différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Suspension hydropneumatique «Niveumatik» – sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus de taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus: frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur monté sur boîte de vitesse.
Cabine	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 180 Ah chacune.

Partie tournante

Cadre	Fabrication Liebherr, construction soudée indéformable, en acier à grain fin haute résistance. Couronne d'orientation à triple rangée de rouleaux.
Entraînement	Entraînement mécanique de l'hydraulique de la grue par le châssis de la grue. Pompes réglables à pistons axiaux avec servocommande et réglage de puissance.
Commande	Direction électrique «Load Sensing», 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Mécanisme de levage	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.

Mécanisme de relevage	1 vérin différentiel avec clapet de frein commandé.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort. Orientation de série commutable en circuit hydraulique ouvert ou fermé (freinage automatique ou au pied).
Cabine de grue	Large champ de vision, vitrage de sécurité, équipement pour un confort idéal, cabine inclinable de 20° vers l'arrière.
Dispositif de sécurité	Contrôleur de charge «LICCON2», système test limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	1 élément de base et 6 éléments télescopiques. Tous les éléments télescopiques indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 38 ft – 197 ft.
Contrepoids	29,500 lb
Installation électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts, 2 batteries de 180 Ah chacune.

Équipement supplémentaire



































K	Flechette de montage 9.5 ft
K	Double flechette pliante 35 ft – 62 ft Positionnement à 0°, 20°, 40°
NZK	Flechette pliante à positionnement hydraulique 35 ft – 62 ft Positionnement hydraulique à 0° – 40°
V	Rallonge flèche télescopique 2 x 23 ft
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec flechette pliante lorsque le câble de levage principal rest mouflé.
Contrepoids additionnel	34,400 lb pour un contrepoids total de 63,900 lb.
Pneumatiques	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.

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

	Max. capacity Capacité max.		Rope diameter Diamètre
	Max. hoist height Hauteur de levage max.		Rope length Longueur du câble
	Max. radius Portée max.		Max. single line pull Effort au brin maxi.
	Tyres Pneumatiques		Hoist gear Treuil de levage
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Slewing speeds Vitesses d'orientation
	No. of sheaves Poulies		Boom length Longueur de la flèche
	No. of lines Brins		Boom position Position de la flèche
	Weight Poids		Counterweight Contrepoids
	Crane carrier Châssis porteur		Page Page
	Driving speed Vitesse de translation		Outriggers Calage
	Gradability Aptitude à gravir les pentes		Slewing gear / Working area Mécanisme d'orientation / Plage de travail
	Transmission Boîte de vitesse		Standard Norme
	Gear Vitesse		Radius Portée
	Driving speed – Onroad gear Vitesse de translation – Vitesse de route		Telescopic boom Flèche télescopique
	Driving speed – Crawl speed Vitesse de translation – Marche lente		Mechanical/hydraulic swing away jib Fléchette pliante mécanique/hydraulique
	Crane superstructure Partie tournante de la grue		Telescopic boom extension Rallonge flèche télescopique
	infinitely variable en continu		Assembly jib Fléchette de montage

Remarks

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 30 ft/s (9 m/s, 20 mph) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. The lifting capacities stated are valid for lifting operation only (corresponding with crane classification according to ISO 4301-1, crane group A1).
4. Lifting capacities are given in kip.
5. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centre.
7. The stated lengths of the telescopic boom are maximum values and may deviate slightly.
8. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
9. Subject to modification of lifting capacities.
10. Lifting capacities above 153,200 lb / 181,200 lb only with additional pulley block / special equipment.
11. 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

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4. Les forces de levage sont données en kip.
5. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les longueurs indiquées pour la flèche télescopique sont des valeurs maximales et peuvent légèrement varier dans la réalité.
8. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
9. Charges données sous réserve de modification.
10. Forces de levage plus de 153,200 lb / 181,200 lb seulement avec moufle additionnel/équipement supplémentaire.
11. 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.

Proposition 65



WARNING: This product can expose you to chemicals, including exhaust emissions, including lead and lead compounds, which are known to the State of California to cause cancer, birth defects or other reproductive harm.
For more information see: www.P65warnings.ca.gov/diesel

Subject to modification / Sous réserve de modifications

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