



175 USt



217 ft



236 ft



302 ft

NEW

The jewel in your fleet

LTM 1150-5.4

Mobile crane
Grue mobile

LIEBHERR

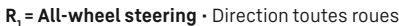
Mobile and crawler cranes



Technical data

Caractéristiques technique

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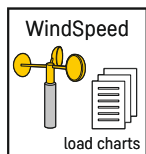
US3759.01

	A	A 5" *	B	C	D	E	F	G	H	K
445/95 R 25 (16.00 R 25)	13'1"	12'9"	9'	7'7"	6'9"	12'4"	20°	11°	20°	1'3"
525/80 R 25 (20.5 R 25)	13'1"	12'9"	9'4"	7'7"	6'9"	12'4"	20°	11°	20°	1'3"

* lowered · abaissé

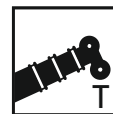
LTM 1150-5.4





Increased flexibility and safety by using lifting capacity tables with different maximum wind speeds.

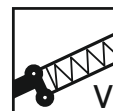
Une flexibilité et une sécurité accrues grâce aux tableaux de charge avec différentes vitesses de vent autorisées.



217 ft



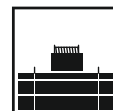
35 ft – 62 ft



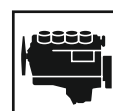
23 ft



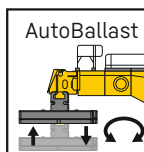
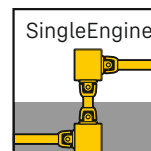
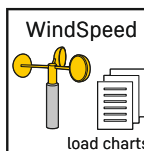
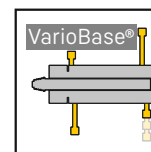
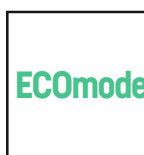
9 ft 6 in



99,200 lb



400 kW (544 h.p.)



New features

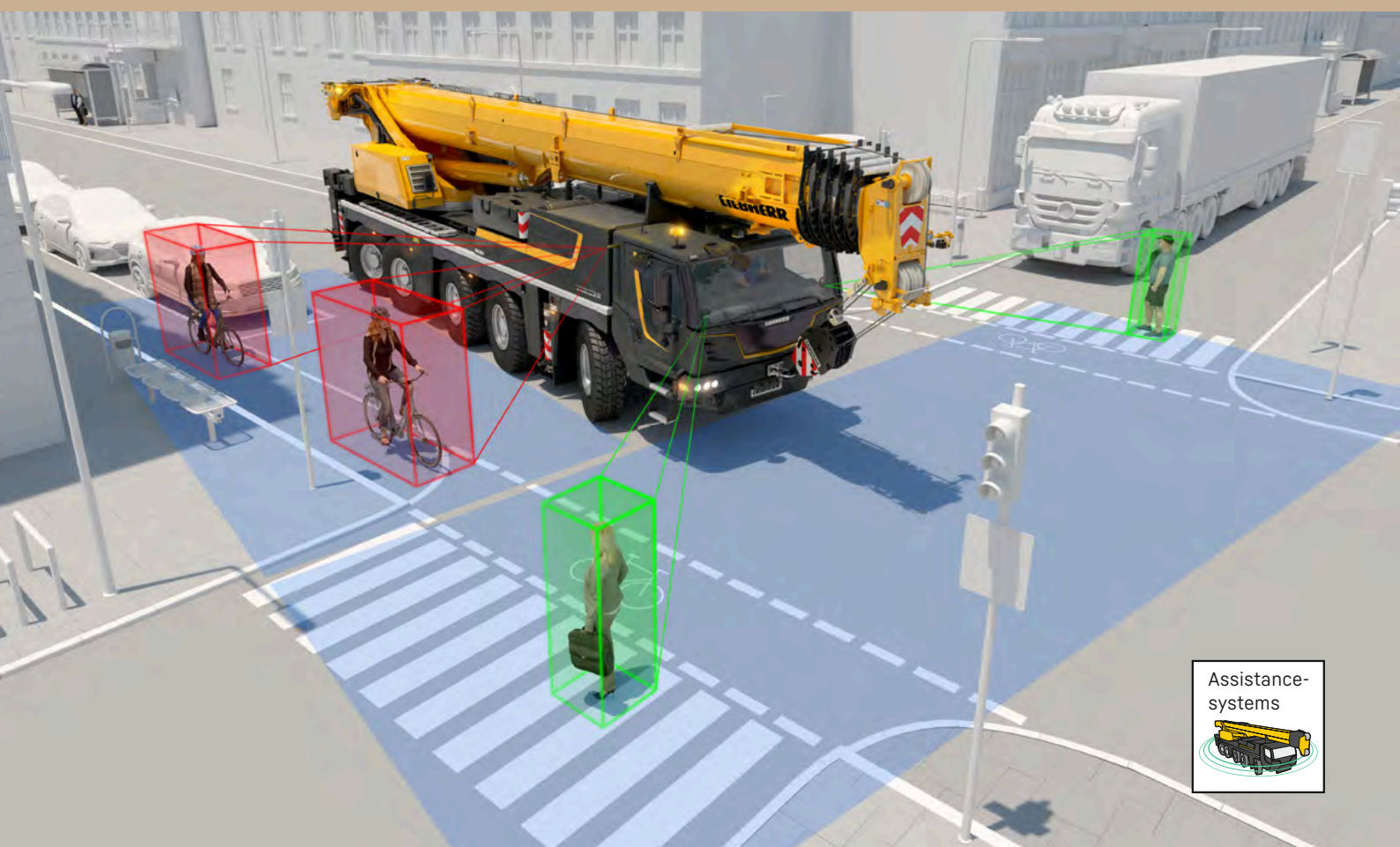
Nouveautés

Driver assistance systems for extra safety on the road

All new mobile crane models are equipped with driver assistance systems that support the crane driver with additional „eyes“. They scan the environment and warn the crane driver to prevent accidents.

Des systèmes d'assistance à la conduite pour une sécurité routière renforcée

Tous les nouveaux types de grues mobiles sont équipés de systèmes d'assistance à la conduite qui aident le grutier avec des « yeux » supplémentaires. Ils balayent l'environnement et avertissent le grutier afin d'éviter les accidents.



Blind Spot Information System

The Blind Spot Information System (BSIS) is also known as Blind Spot Assist or Turn Assist. The camera wing monitors the entire side area of the crane. A traffic light in the driver's cab emits a visual and acoustic warning signal in the event of danger. The crane operator can thus localise the hazardous situation immediately and assess it better. As an option, a monitor provides the driver with a better view and also visually displays the reason for the warning.

Assistant d'angle mort

Le « Blind Spot Information System » (BSIS) est également appelé assistant d'angle mort ou assistant virage. La « caméra-wing » surveille alors toute la zone latérale de la grue. Un feu de signalisation dans la cabine du grutier envoie un signal d'avertissement visuel et sonore en cas de danger. Ainsi, le grutier peut immédiatement localiser la situation dangereuse et mieux l'évaluer. En option, un moniteur offre une meilleure visibilité au conducteur et permet de transmettre visuellement l'origine de l'avertissement.

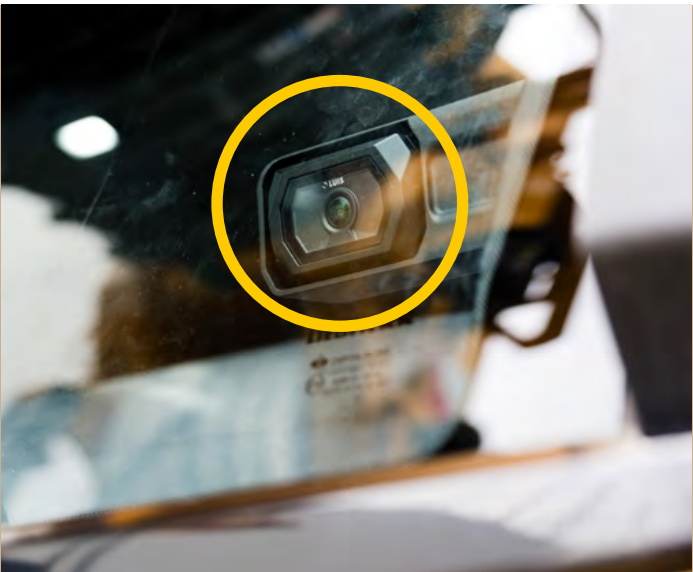


Moving Off Information System

If there is a person in front of the crane, the Moving Off Information System (MOIS) comes into play. Two digital cameras on the left and right of the front windshield scan the area and warn the crane driver both visually and acoustically.

Le système d'information d'approche

Si une personne se trouve devant la grue, le système d'information d'approche « Moving Off Information System » (MOIS) entre en jeu. Deux caméras numériques placées à gauche et à droite du pare-brise balayent la zone et avertissent également le conducteur par des signaux visuels et acoustiques.



Reversing Information System (REIS)

Système d'information sur la marche arrière (REIS)



Crane data

Dates de la grue

Hook block - Moufles à crochet

			
257,700 lb	7	14	2,750 lb
189,600 lb	5	10	2,100 / 1,650 lb
135,800 lb	3	7	1,550 / 1,100 lb
60,000 lb	1	3	1,000 lb
20,300 lb	-	1	770 lb

Crane carrier - Châssis porteur

	 min.	 max.	 %		
445/95 R 25 (16.00 R 25)	0.3	53	56.5 %		12 / R2
525/80 R 25 (20.5 R 25)	0.3	53	56.5 %		4 / R2

Theoretical gradeability - Aptitude théorique en pente

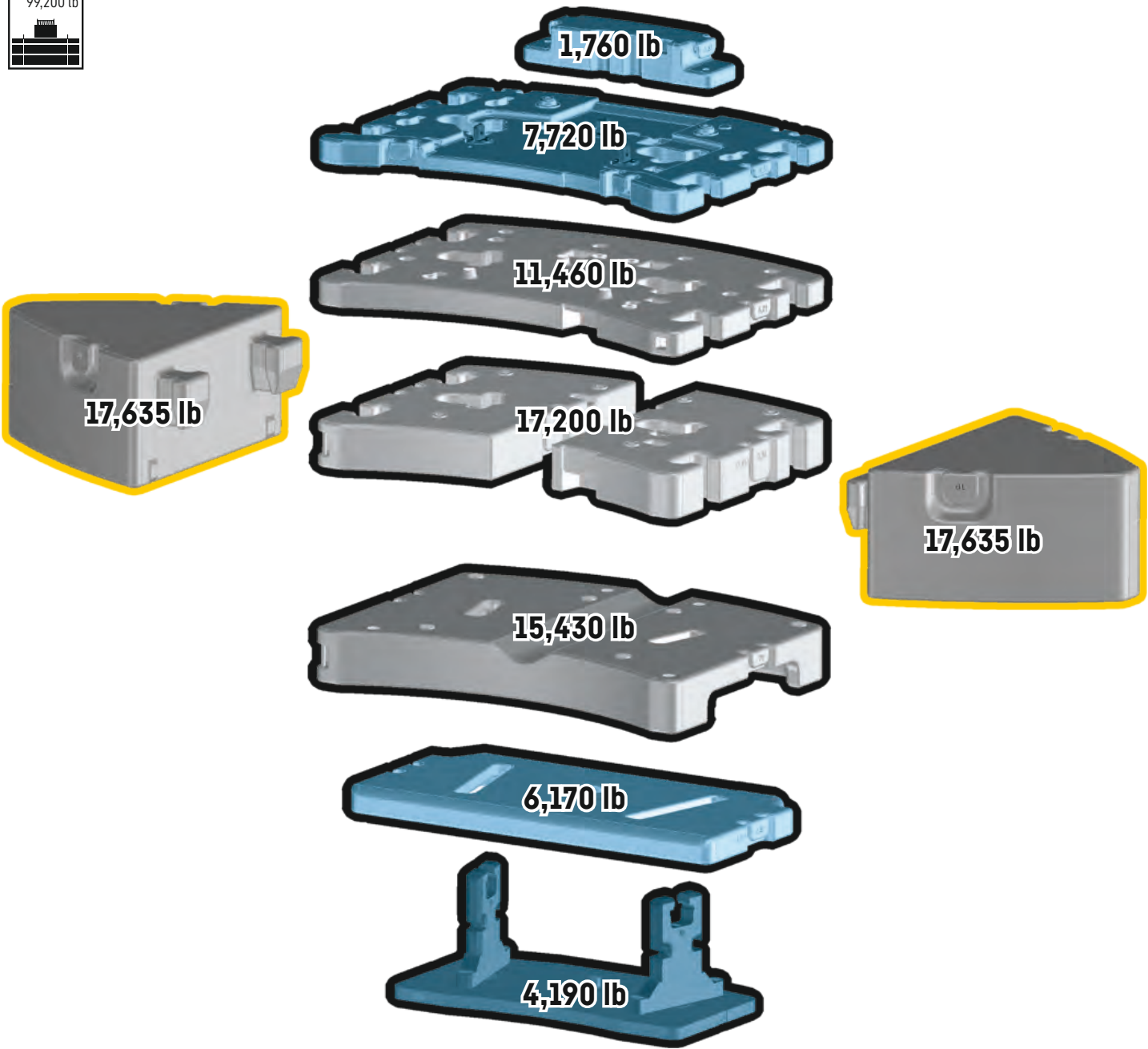
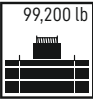
Max. supporting forces - Forces d'appui max.

		
Fmax	159,000 lb	197,000 lb

Crane superstructure - Partie tournante

				
	0 - 367 ft/min single line - au brin simple	21 mm	820 ft	20,590 lb
	0 - 367 ft/min single line - au brin simple	21 mm	820 ft	20,590 lb
	0 - 1.5 rpm			
	approx. 57 seconds to reach 83° boom angle env. 57 s jusqu'à 83°			
	approx. 460 seconds for boom extension from 40 ft - 217 ft env. 460 s pour passer de 40 ft - 217 ft			

Counterweight Contrepoids



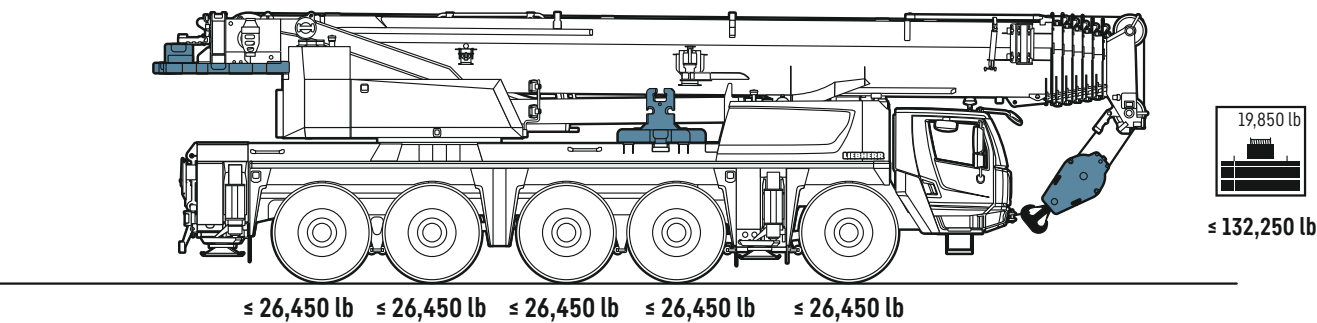
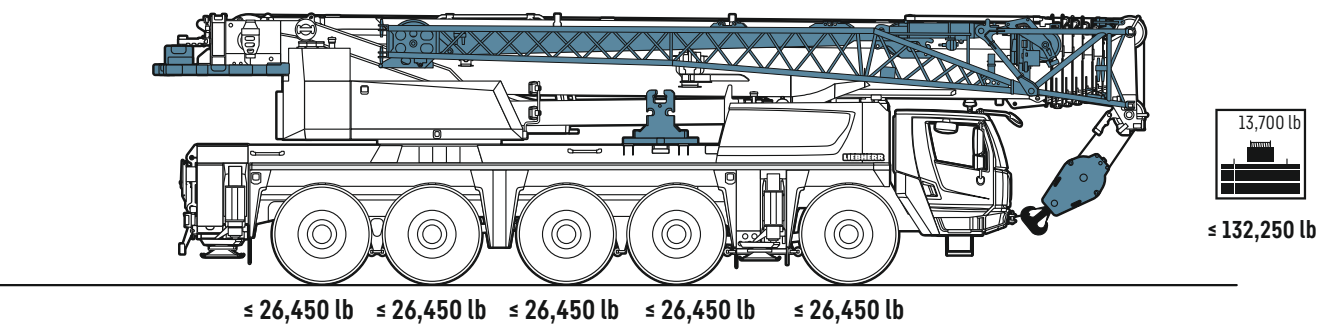
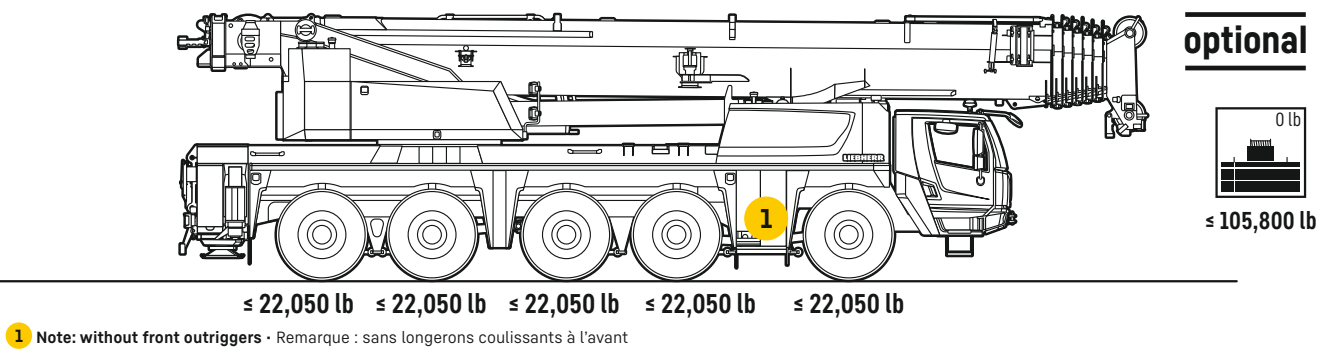
26,450 lb axle load
26,450 lb de charge
par essieu

Technically transportable
Transport techniquement simplifié

Additional counterweight
Contrepoids additionnel

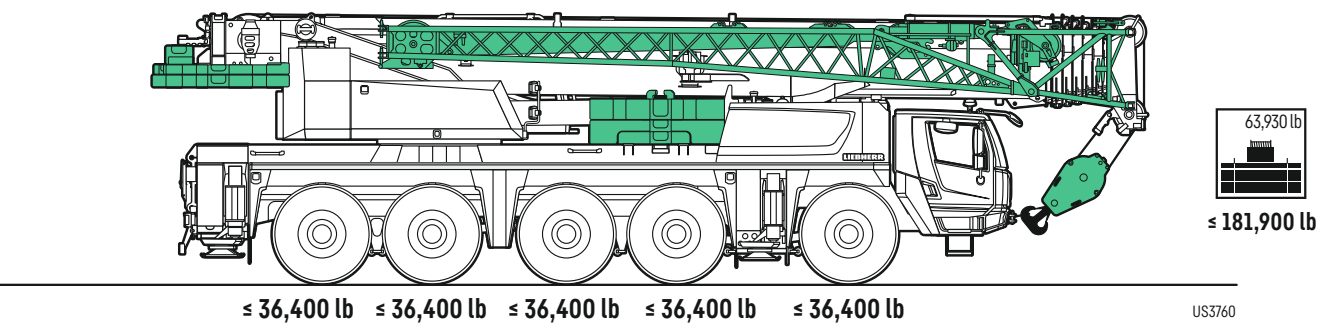
On-road driving

Déplacement sur route



Jobsite driving

Déplacement sur chantier



Boom/jib combinations

Configurations de flèche

- T

Telescopic boom

Flèche télescopique
- K/NZK

Mechanically/hydraulically adjustable folding jib

Pointe pliante réglable mécaniquement/hydrauliquement
- V

Telescopic boom extension

Rallonge de flèche télescopique
- K

Assembly jib

Fléchette de montage

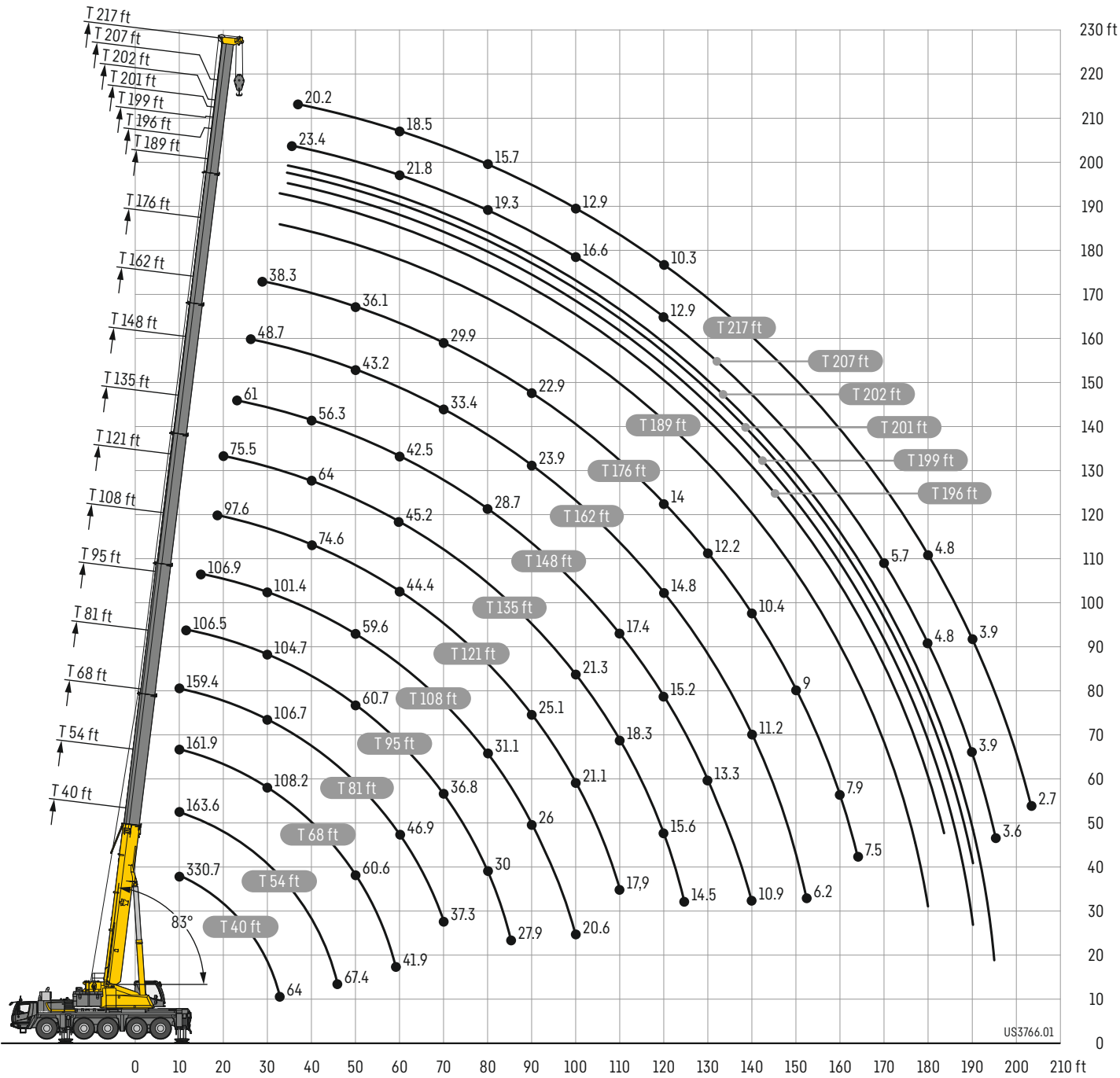


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Lifting heights

Hauteurs de levage

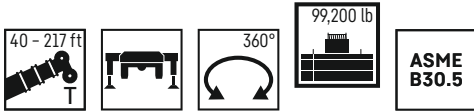
T



Lifting capacities

Forces de levage

T



	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
	*																		
10	330.7	189.6	163.6	161.9	159.4														10
11	252	189.6	163.6	161.9	159.4	106.5													11
12	238.7	189.6	163.6	161.9	159.4	144.7													12
13	225.6	189.6	163.6	161.9	159.4	144.3													13
14	213.5	189.6	163.6	161.9	159.4	144.3	106.9												14
15	201.9	187.7	163.6	161.9	159.4	144.3	114.9												15
16	191.9	182.3	163.6	161.9	159.4	144.3	114.9												16
17	184.3	174.8	163.6	161.5	158.1	144.3	114.9	97.6											17
18	177.8	167.9	162.9	159.4	154.7	144.3	114.9	97.6											18
19	171.4	161.3	161.2	156.1	149.3	142.1	114.9	97.6											19
20	165.5	155.3	155.2	150.8	144.7	138.7	114.8	97.6	75.5										20
22	154	143.9	144.1	141.8	137.5	130	113.5	97.6	75.5										22
24	140.3	134	134.7	133.9	128.7	122.4	110.2	97.6	75.5	61									24
26	127.9	125.1	126	126	121.5	116.2	106.9	97.6	75.4	61	48.7								26
28	117.2	115.7	116.7	117.2	114	110.1	105.8	97.6	74.8	61	48.7	38.3							28
30	108	106.6	107.7	108.2	106.7	104.7	101.4	96.8	73.3	61	48.7	38.3							30
32	97.2	97.4	100.7	101.1	100.7	98.5	96.4	92.9	71.6	60.4	48.7	38.3	31.2	27.7					32
34	63.9	64	93.8	94.4	94.5	92.6	91.4	87.9	69.8	59.6	48.7	38.3	31.2	27.6	26.5	25.8	25.3	23.4	34
36			87.5	88.4	89.2	86.6	86	83.1	67.9	58.6	48.6	38.3	31.2	27.5	26.4	25.7	25.3	23.4	36
38			82.2	83	83.7	81.8	81.3	78.6	65.9	57.5	48.3	38.3	31.2	27.3	26.2	25.5	25.2	23.3	38
40			77.2	78.1	78.8	77.9	76.8	74.6	64	56.3	47.6	38.2	31.2	27.1	26.1	25.3	25.1	23.2	40
45			67.4	67.8	68.7	68.9	67.4	65	59.3	53	45.6	37.3	30.8	26.6	25.6	24.7	24.8	23	45
50				60.6	60.4	60.7	59.6	56.9	53.7	49.6	43.2	36.1	30.1	25.9	25	23.8	24.4	22.7	50
55				53	53.4	53.1	52.2	50.4	49	46.3	40.8	34.6	29.2	25.2	24.4	22.9	23.9	22.3	55
60				41.9	46.9	46.5	45.7	44.4	45.2	42.5	38.4	33	28.2	24.3	23.6	22	23.3	21.8	60
65					41.6	41.3	40.3	41.2	40.4	38.6	36	31.4	27.2	23.3	22.8	21	22.7	21.2	65
70					37.3	36.8	36.6	37.1	36.1	34.9	33.4	29.9	26.1	22.3	21.7	20	21.9	20.6	70
75						33.2	34.2	33.4	32.2	31.9	30.6	28.3	25	21.4	20.8	19	21.1	20	75
80						30	31.1	30.2	29.1	28.7	27.6	27.1	23.9	20.5	19.8	18	20.3	19.3	80
85						27.9	28.4	27.5	26.6	26.2	26	25.4	22.8	19.7	18.8	17.1	19.5	18.6	85
90							26	25.1	24.3	24.5	23.9	22.9	21.8	18.9	17.9	16.2	18.8	17.9	90
95							23.9	23	22.7	22.4	21.7	20.9	20.4	18.1	17.1	15.5	18.1	17.2	95
100						20.6	21.1	21.3	20.6	20	19.7	18.6	17.4	16.3	14.7	17.4	16.6	12.9	100
105							19.4	19.9	18.9	18.3	18	17.2	16.7	15.5	14	16.6	16	12.2	105
110								17.9	18.3	17.4	16.8	16.6	16.1	15.5	14.8	13.3	15.4	15.2	110
115									16.9	16.4	15.9	15.3	15	14.2	13.9	12.5	14.1	14.2	115
120									15.6	15.2	14.8	14	13.8	13.6	12.8	11.9	12.8	12.9	120
125									14.5	14.1	13.6	13.2	12.6	12.8	11.9	11.2	11.7	11.8	125
130										13.3	12.6	12.2	11.5	11.7	11.1	10.6	10.6	10.7	130
135										12.4	12	11.3	10.5	10.7	10.2	10	9.7	9.8	135
140										10.9	11.2	10.4	9.7	9.8	9.4	9.6	9	9.1	140
145											10.4	9.6	9	9.2	8.8	9.1	8.3	8.4	145
150											9.7	9	8.4	8.5	8.1	8.4	7.7	7.8	150
155											6.2	8.5	7.9	8	7.6	7.9	7.1	7.2	155
160												7.9	7.3	7.4	7	7.3	6.6	6.7	160
165												7.5	6.8	6.9	6.5	6.8	6.1	6.2	165
170													6.4	6.5	6.1	6.4	5.6	5.7	170
175													6	6.1	5.7	5.9	5.2	5.3	175
180														5.3	5.7	5.2	4.7	4.8	180
185														5.3	4.8	5.2	4.2	4.4	185
190															3.7	4.7	3.8	3.9	190
195																	2	3.6	195
200																			200
205																			205

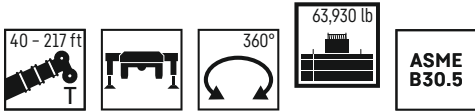
* ± 0° over rear · en arrière

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Lifting capacities

Forces de levage

T



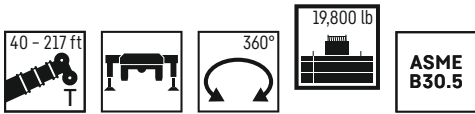
	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	159.4	144.3														13
14	189.6	163.6	161.9	159.4	144.3	106.9													14
15	187.0	163.6	161.9	159.4	144.3	114.9													15
16	180.3	163.6	161.9	159.4	144.3	114.9													16
17	172.6	163.6	161.5	158.1	144.3	114.9	97.6												17
18	165.8	161.8	159.4	154.7	144.3	114.9	97.6												18
19	159.3	159.1	156.1	149.3	142.1	114.9	97.6												19
20	153.2	153.1	150.8	144.7	138.7	114.8	97.6	75.5											20
22	138.2	138.9	137.1	135.9	126.9	113.5	97.6	75.5											22
24	124.6	125.6	125.3	121.5	112.9	108.1	97.6	75.5	61.0										24
26	113.2	114.4	114.6	109.7	104.9	100.9	95.0	75.4	61.0	48.7									26
28	103.7	105.0	105.2	102.0	99.5	94.0	88.2	74.8	61.0	48.7	38.3								28
30	95.3	97.3	98.0	94.9	91.4	85.8	81.0	73.2	61.0	48.7	38.3								30
32	88.1	90.2	89.7	87.3	83.8	79.3	74.7	70.4	60.4	48.7	38.3	31.2	27.7						32
34	64.0	82.9	83.4	81.1	77.9	73.7	69.2	65.3	59.6	48.7	38.3	31.2	27.6	26.5	25.8	25.3	23.4		34
36		75.9	77.9	75.6	72.1	68.6	64.5	62.3	58.4	48.6	38.3	31.2	27.5	26.4	25.7	25.3	23.4	20.2	36
38		69.6	71.5	70.4	67.5	64.1	60.2	59.4	56.3	48.3	38.3	31.2	27.3	26.2	25.5	25.2	23.3	20.1	38
40		63.9	65.9	65.8	63.2	60.0	57.8	56.0	52.9	47.6	38.2	31.2	27.1	26.1	25.3	25.1	23.2	20.0	40
45		52.8	54.6	55.2	54.3	51.4	51.3	48.7	46.7	44.0	37.3	30.8	26.6	25.6	24.7	24.8	23.0	19.7	45
50			46.2	46.6	46.5	46.9	44.9	42.6	40.8	39.2	36.1	30.1	25.9	25	23.8	24.4	22.7	19.5	50
55			39.8	40.3	40.3	41.2	39.6	38.1	36.6	35.0	33.3	29.2	25.2	24.4	22.9	23.9	22.3	19.0	55
60			34.7	35.1	36.3	35.9	35.0	34.2	33.1	31.7	30.1	28.2	24.3	23.6	22.0	23.3	21.8	18.5	60
65				30.9	32.1	31.7	30.8	31.1	30.0	28.7	27.8	26.0	23.3	22.8	21.0	22.7	21.2	17.8	65
70				28.5	28.6	28.2	27.6	28.0	27.2	26.1	25.0	23.5	22.3	21.7	20.0	21.8	20.6	17.1	70
75					25.7	25.2	25.4	24.8	24.4	23.4	22.8	21.8	20.6	20.3	19.0	20.4	19.9	16.4	75
80					23.2	22.6	23.0	22.4	21.8	21.3	21.0	19.9	18.7	18.5	17.9	18.4	18.3	15.7	80
85					21.1	20.5	20.7	20.1	19.9	19.6	18.8	18.0	17.5	16.9	16.9	16.6	16.6	15.0	85
90						19.3	18.7	18.3	17.9	17.7	16.8	16.0	16.2	15.6	15.8	15.0	15.1	14.3	90
95						17.6	17.0	17.0	16.3	15.9	15.1	14.3	14.4	13.9	14.3	13.3	13.4	13.1	95
100						16.2	15.4	15.4	14.7	14.3	13.6	12.7	12.9	12.4	12.8	11.8	11.9	11.9	100
105							14.1	14.0	13.4	12.9	12.2	11.4	11.5	11.0	11.4	10.4	10.6	10.5	105
110							13.1	12.8	12.1	11.7	10.9	10.2	10.3	9.9	10.2	9.3	9.5	9.5	110
115								11.7	11.0	10.6	9.9	9.2	9.4	8.9	9.2	8.5	8.6	8.6	115
120								10.7	10.0	9.7	9.0	8.4	8.5	8.2	8.4	7.7	7.8	7.8	120
125								9.9	9.3	8.9	8.3	7.7	7.8	7.4	7.7	7.0	7.0	7.0	125
130									8.6	8.2	7.6	7.0	7.1	6.7	7.0	6.3	6.3	6.4	130
135									8.0	7.6	7.0	6.4	6.5	6.1	6.4	5.6	5.8	5.7	135
140									7.5	7.1	6.4	5.8	5.9	5.5	5.8	5.1	5.2	5.2	140
145										6.5	5.9	5.3	5.4	5.0	5.3	4.5	4.6	4.6	145
150										6.1	5.4	4.8	4.9	4.5	4.8	4.0	4.2	4.1	150
155										5.7	4.9	4.3	4.4	4.0	4.4	3.4	3.6	3.6	155
160											4.5	3.8	4.0	3.5	3.9	2.9	3.1	3.1	160
165											4.0	3.3	3.5	3.0	3.4	2.5	2.6	2.6	165
170												2.9	3.1	2.5	3.0	2.0	2.2	2.2	170
175												2.5	2.6	2.1	2.5				175
180												2.1	2.3		2.2				180
185													1.9		1.8				185

t_314_001_00012_00_000

Lifting capacities

Forces de levage

T



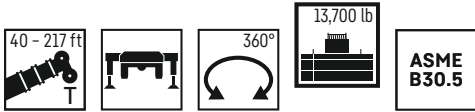
	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	159.4	144.3														13
14	189.2	163.6	161.9	159.4	141	106.9													14
15	184.3	163.6	159.4	147.2	137.3	114.9													15
16	173.1	159	150.8	136.2	128.1	114.9													16
17	160.9	150	139.3	128.1	118	106.5	97.6												17
18	150.6	137.7	127.8	119.2	108.1	102.3	94.4												18
19	138.6	127.3	117.8	109.8	101.9	96.4	90												19
20	127.3	117.4	109.2	102.6	98.7	91.4	84.2	75.1											20
22	108	102.7	97.6	93.3	86.7	80.8	76.8	70.6											22
24	93.6	90.6	86.9	82.2	77.1	74.2	69.8	65.3	58.9										24
26	81.1	80.3	77.6	74.1	69.9	67.9	63.7	60	55.7	48.4									26
28	70	71.8	70	66.6	65.4	61.8	58.4	55.1	51.7	47.1	38.3								28
30	61.1	64.7	63.4	60.7	59.8	56.2	53.5	50.5	47.7	44.3	38.3								30
32	54	58.2	57.6	56.6	54.6	51.8	49.2	47.6	44.7	42.2	37.4	31.2	27.7						32
34	48	52.1	52.8	52.6	50.6	47.9	46.4	44.3	42.2	39.6	36.6	31.2	27.6	26.5	25.8	25.3	23.4		34
36		46.8	48.8	48.5	46.7	44.4	43.5	41.3	39.3	36.9	34.6	31.2	27.5	26.4	25.7	25.3	23.4	20.2	36
38		42.6	44.7	44.9	43.5	42.3	40.6	38.5	37.1	34.6	32.5	29.8	27.3	26.2	25.5	25.2	23.3	20.1	38
40		38.8	40.9	41.9	40.6	39.8	38.1	36	34.8	32.8	30.8	28.5	26.8	26	25.3	25.1	23.2	20	40
45		31.3	33.3	34.9	34.8	34	32.4	31.6	29.9	28.5	26.8	24.9	24.7	23.5	23.1	23	22.4	19.7	45
50			27.6	29.1	29.7	29.1	28.1	27	25.6	24.4	22.7	21.2	21.1	20.4	20.8	19.6	19.4	18.6	50
55			23.2	24.6	24.9	25.2	24.4	23.5	22.2	21.2	19.6	18.1	18.2	17.4	17.8	16.6	16.6	16.1	55
60			19.6	20.8	21	21.3	21	20.5	19.3	18.4	17.1	15.6	15.7	15	15.4	14.2	14.2	13.7	60
65				17.7	18	18.2	17.9	17.6	16.8	16.1	14.8	13.6	13.6	12.9	13.3	12.1	12.1	11.8	65
70				15.2	15.4	15.7	15.3	15.1	14.3	13.9	12.8	11.7	11.7	11.1	11.6	10.4	10.4	10.1	70
75					13.3	13.5	13.2	12.9	12.3	11.8	10.9	10.1	10.1	9.5	9.9	8.7	8.9	8.7	75
80					11.5	11.7	11.4	11.1	10.5	10.1	9.3	8.7	8.8	8.1	8.5	7.4	7.5	7.4	80
85					10	10.2	9.9	9.7	9.1	8.8	8.1	7.4	7.6	6.9	7.3	6.2	6.3	6.2	85
90						9.1	8.8	8.6	8.1	7.8	7.1	6.3	6.4	5.8	6.2	5.1	5.2	5.2	90
95						8.1	7.9	7.6	7.1	6.8	6.1	5.3	5.4	4.8	5.3	4.2	4.3	4.2	95
100						7.4	7	6.8	6.3	6	5.3	4.4	4.6	4	4.4	3.1	3.3	3.3	100
105							6.3	6.1	5.6	5.2	4.6	3.7	3.8	3.1	3.6	2.1	2.3	2.2	105
110							5.7	5.4	4.9	4.5	3.9	2.8	2.9	2.1	2.8				110
115								4.8	4.3	3.9	3.2	1.9	2.1		1.9				115
120								4.3	3.7	3.4	2.4								120
125								3.8	3.1	2.7									125
130									2.6	2.1									130
135									2.1										135

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Lifting capacities

Forces de levage

T



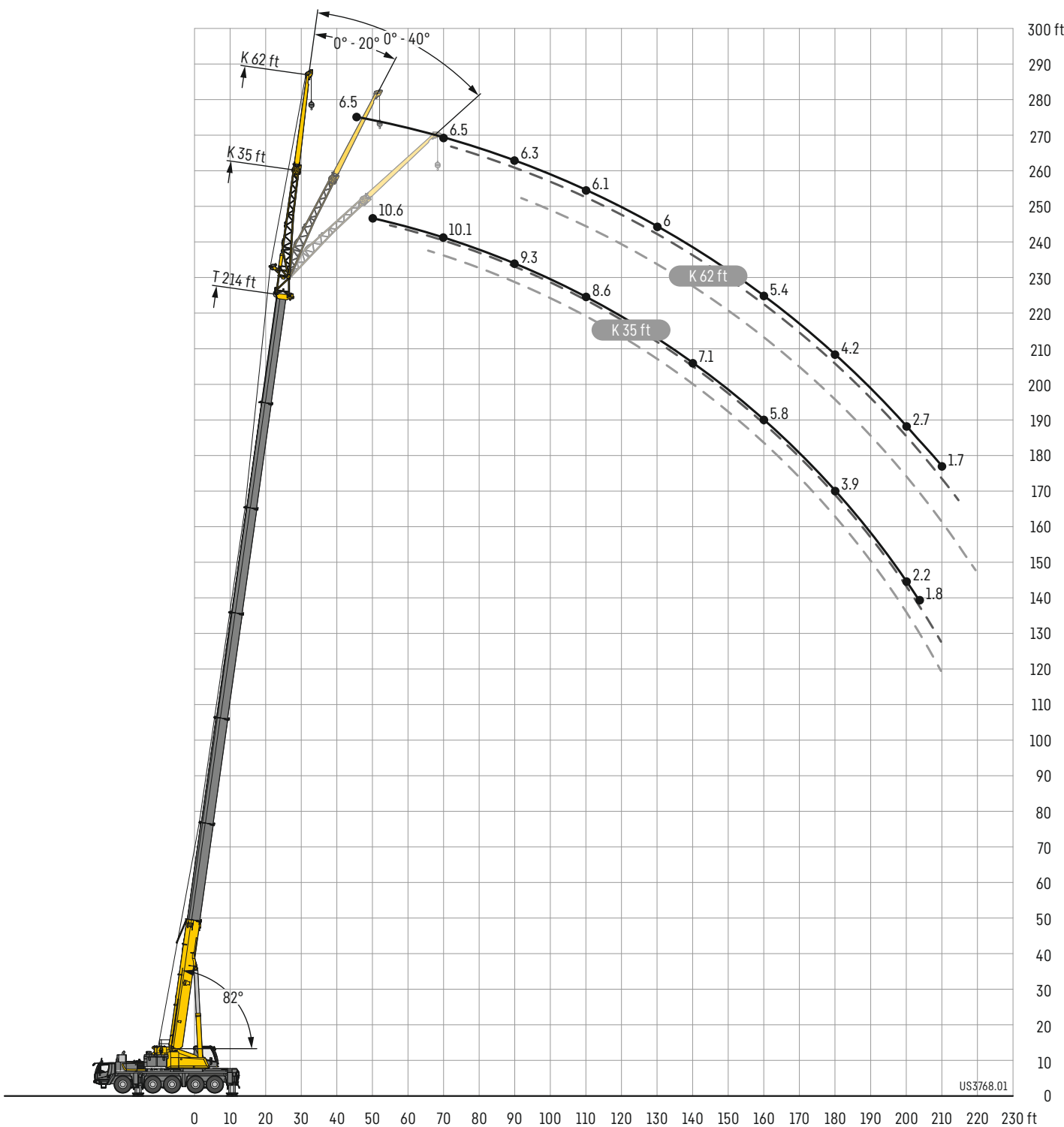
	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	176 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	217 ft	
10	189.6	163.6	161.9	159.4															10
11	189.6	163.6	161.9	159.4	106.5														11
12	189.6	163.6	161.9	159.4	144.7														12
13	189.6	163.6	161.9	156.8	144.3														13
14	189	163.6	161.9	151.6	137.9	106.9													14
15	182.6	163.6	154.6	138.1	128.4	114.9													15
16	169.1	155.6	139.8	129.5	118.6	107.4													16
17	156.4	139.8	129.4	119.5	108.9	100.1	93.7												17
18	141.2	129.1	118.3	110.2	102.2	96.8	87.5												18
19	128.2	117.5	108.8	102	97.7	89.7	82.9												19
20	117.3	108.3	102.5	98.5	91.2	84.3	79.6	73.2											20
22	99.3	95.6	91	86.2	80.1	77	71.9	66.7											22
24	85.9	83.5	80.2	75.9	72.5	69.4	64.3	60.5	56.4										24
26	74.4	73.9	71.5	68.3	66.6	62.6	59.2	55.7	52	47.5									26
28	64.1	65.9	64.4	61.9	60.3	56.9	53.7	51.2	48.3	44.7	38.2								28
30	55.8	59.4	58.3	57.3	55.1	51.7	49.9	47.6	44.7	41.6	37.7								30
32	49.2	53.4	52.9	52.5	50.2	47.6	46.5	44	41.7	39.2	35.4	31.2	27.7						32
34	43.6	47.7	48.6	48.3	46.5	45.4	43	40.7	38.7	36	33.9	30.7	27.6	26.5	25.8	25.3	23.4		34
36		42.8	44.8	44.5	42.8	42.1	39.9	38.1	36.2	34.4	31.6	28.9	27.1	26.2	25.6	25.3	23.4	20.2	36
38		38.8	40.9	41.2	40	39.2	37	35.7	33.8	32.3	30	27.6	26.5	25.8	25.2	25	23.3	20.1	38
40		35.3	37.4	38.2	37.3	36.4	34.7	33.2	31.5	29.9	28.2	26.2	25	24.2	24	24.2	23.2	20	40
45		28.1	30.3	31.9	31.4	30.6	29.4	28.3	26.7	25.4	23.7	21.9	21.9	20.9	21.3	20.1	20	18.8	45
50			24.7	26.2	26.6	26.1	25.1	24.1	22.8	21.6	20	18.5	18.4	17.7	18.1	16.9	16.9	16.3	50
55			20.4	21.7	22.1	22.3	21.7	20.8	19.6	18.6	17.1	15.7	15.7	15	15.4	14.2	14.3	13.8	55
60			17	18.2	18.5	18.7	18.5	18.1	16.9	16.1	14.8	13.4	13.5	12.7	13.1	11.9	12	11.7	60
65				15.4	15.6	15.9	15.6	15.3	14.5	13.9	12.7	11.5	11.5	10.8	11.2	10	10	9.9	65
70				13.1	13.3	13.5	13.2	13	12.2	11.8	10.9	9.8	9.8	9.1	9.6	8.4	8.5	8.3	70
75					11.3	11.6	11.2	11	10.3	10	9.2	8.3	8.3	7.7	8.1	6.9	7.1	7	75
80					9.8	10	9.7	9.5	8.9	8.6	7.9	6.9	7	6.4	6.8	5.7	5.8	5.7	80
85					8.7	8.8	8.5	8.3	7.8	7.5	6.8	5.8	5.9	5.2	5.6	4.5	4.6	4.6	85
90						7.8	7.5	7.3	6.8	6.5	5.8	4.7	4.9	4.2	4.6	3.3	3.5	3.4	90
95						7	6.7	6.5	5.9	5.6	4.8	3.8	3.9	3.1	3.7	2.2	2.3	2.3	95
100						6.3	5.9	5.7	5.1	4.8	3.9	2.7	2.9	2	2.7				100
105							5.2	5	4.5	4.1	3.1	1.8	1.9						105
110							4.6	4.4	3.8	3.5	2.1								110
115								3.8	3.2	2.8									115
120								3.2	2.5	1.9									120
125								2.7	1.8										125

t_314_001_00042_00_000

Lifting heights

Hauteurs de levage

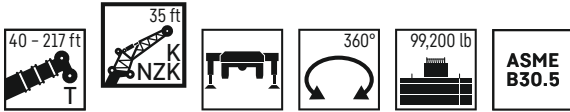
TK/TNZK



Lifting capacities

Forces de levage

TK/TNZK



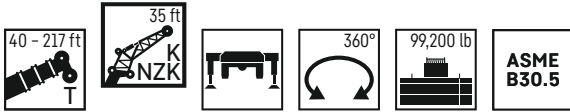
	40 ft			121 ft			135 ft			148 ft			162 ft			176 ft			
	K/NZK 35 ft																		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	40.3																		10
11	40.3																		11
12	40.3																		12
13	40.3																		13
14	40.3																		14
15	40.3																		15
16	40.3	35.9																	16
17	40.3	35.3																	17
18	40.1	34.7																	18
19	39.6	34.1																	19
20	38.9	33.4																	20
22	37.4	31.6																	22
24	35.3	29.9	22.4																24
26	33.1	28.4	21.6	40.3															26
28	30.9	27	20.9	40.3															28
30	28.9	25.8	20.3	40.3	35.4														30
32	27	24.7	19.6	40.3	34.8		38.9												32
34	25.4	23.6	19.1	40.3	34.3		38.6	32.3		24.6									34
36	23.9	22.7	18.6	40.3	33.6		38.3	31.8		24.4			19						36
38	22.5	21.9	18.1	40.3	32.9	21.9	37.9	31.4		32.4	28.5		27.7			18.5			38
40	21.3	21.1	17.7	40.3	32	21.6	37.5	30.9		32.2	28.1		27.5			18.4			40
45	18.7	19.4	16.8	39.8	30	20.7	36.3	29.7	20.7	31.6	27.3	20.3	27.2	24.8		22.3	20.7		45
50	16.6	18	16.1	38	28.2	20	35.1	28.2	20	30.8	26.5	19.6	26.8	24.3	19.4	21.9	20.5		50
55	14.9	16.9	15.7	36	26.6	19.3	33.9	26.7	19.4	30.1	25.7	19.1	26.4	23.7	18.9	21.5	20.4	18.4	55
60	13.5	16	15.6	33.3	25.2	18.8	32.6	25.4	18.8	29.3	24.7	18.6	25.8	23.2	18.4	21	20.2	18	60
65	12.3	15.5	11.4	30.5	24	18.2	30.8	24.3	18.3	28.6	23.6	18.1	25.2	22.7	17.9	20.6	20	17.6	65
70				28.1	22.9	17.7	28.7	23.2	17.9	27.6	22.7	17.7	24.4	22.1	17.6	20.1	19.7	17.2	70
75				26	21.9	17.3	26.7	22.3	17.4	26	21.9	17.3	23.3	21.5	17.2	19.6	19.1	16.9	75
80				24.1	21	16.9	25	21.4	17.1	24.5	21.1	17	22.3	20.8	16.9	18.9	18.5	16.7	80
85				22.4	20.1	16.6	23.2	20.6	16.7	23.2	20.4	16.7	21.3	20.2	16.6	18.2	17.8	16.4	85
90				21	19.4	16.3	20.9	19.9	16.4	21.4	19.7	16.4	20.2	19.6	16.3	17.4	17.1	16.2	90
95				19.4	18.7	16	18.7	19.2	16.2	19.3	19.1	16.2	18.9	19	16.1	16.7	16.4	16	95
100				17.4	18	15.8	16.8	17.9	15.9	17.4	18.4	15.9	17.1	18.1	15.9	16	15.7	15.6	100
105				15.7	16.6	15.6	15.1	16.2	15.8	15.7	16.7	15.8	15.4	16.4	15.8	15.2	15.1	15.1	105
110				14.9	15	15.5	13.6	14.5	15	14.1	15	15.6	13.8	14.8	15.2	13.9	14.4	14.6	110
115				14.3	13.5	14	12.2	13	13.6	12.7	13.5	14.2	12.4	13.4	14	12.4	13.4	13.9	115
120				13.7	13.1	13	11.1	11.7	12.2	11.4	12.2	12.8	11.6	12	12.6	11.5	12	12.7	120
125				13.2	12.7	12.7	10.7	10.4	10.9	10.9	11	11.5	11.1	10.8	11.3	11.1	10.8	11.4	125
130				12.7	12.3	12.5	10.3	10	10	10.4	10.2	10.3	10.5	10.4	10.3	10.7	10.3	10.2	130
135				11.8	12	11.3	9.9	9.7	9.8	9.9	9.9	9.9	10	10	10	9.8	10	10	135
140				11	11.2		9.6	9.5	9.6	9.5	9.6	9.7	9.5	9.7	9.8	9.1	9.5	9.8	140
145				10.2	10.3		9.4	9.3	9.4	9.2	9.2	9.4	8.9	9.2	9.5	8.4	8.9	9.1	145
150				4.6			9.1	9.1	8.8	8.8	8.9	9	8.3	8.7	8.9	8	8.2	8.5	150
155							8.9	8.9		8.5	8.6	8.7	7.7	8	8.2	7.7	7.8	7.9	155
160							8.5	8.5		7.9	8.1	8.2	7.2	7.5	7.6	7.2	7.5	7.6	160
165										7.5	7.6		6.9	7	7.1	6.7	7	7.2	165
170										7	7.2		6.7	6.8	6.9	6.3	6.5	6.6	170
175										5.5			6.5	6.5	6.6	5.8	6	6.1	175
180													6.1	6.2		5.4	5.6	5.7	180
185													5.7	5.8		5	5.2	5.2	185
190													2.6			4.6	4.7		190
195																4.1	4.3		195
200																3.8	3.8		200

t.314.003.00001.00.000

Lifting capacities

Forces de levage

TK/TNZK



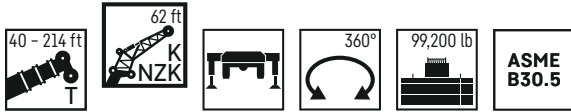
	189 ft			201 ft			202 ft			214 ft			217 ft				
	K/NZK 35 ft																
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
45	16.6			12.1												45	
50	16.5	16.6		12	12.1		13.1	13.3		10.6			10.3			50	
55	16.4	16.3		11.9	11.9		13.1	13		10.5	10.6		10.2	10.3		55	
60	16.2	16	15.8	11.6	11.7	11.7	12.9	12.7	12.6	10.4	10.4		10.1	10.2		60	
65	16	15.7	15.6	11.4	11.4	11.5	12.8	12.5	12.5	10.2	10.3	10.3	10	10.1	10.1	65	
70	15.7	15.4	15.3	11.1	11.1	11.2	12.6	12.4	12.4	10.1	10.1	10.2	9.9	9.9	10	70	
75	15.3	15	14.8	10.8	10.7	10.9	12.3	12.1	12.2	9.9	9.9	10	9.7	9.8	9.9	75	
80	15	14.6	14.4	10.5	10.4	10.5	12.1	11.9	11.8	9.7	9.7	9.9	9.6	9.6	9.7	80	
85	14.5	14.1	13.9	10.2	10.1	10.2	11.8	11.5	11.5	9.6	9.5	9.6	9.4	9.4	9.5	85	
90	14	13.7	13.5	9.9	9.8	9.9	11.5	11.2	11.2	9.3	9.3	9.4	9.2	9.2	9.3	90	
95	13.6	13.3	13.1	9.7	9.6	9.6	11.2	10.9	10.8	9.2	9.1	9.2	9	9	9.1	95	
100	13.1	12.8	12.7	9.4	9.3	9.4	10.8	10.5	10.5	9	8.9	9	8.8	8.8	8.9	100	
105	12.6	12.4	12.4	9.1	9.1	9.1	10.5	10.2	10.2	8.8	8.7	8.8	8.6	8.6	8.7	105	
110	12.1	12	12	8.9	8.8	8.9	10.2	9.9	9.9	8.6	8.5	8.6	8.3	8.4	8.5	110	
115	11.7	11.5	11.6	8.6	8.6	8.7	9.9	9.7	9.7	8.3	8.3	8.4	8	8.2	8.3	115	
120	11.2	11.1	11.2	8.3	8.3	8.4	9.6	9.5	9.5	8.1	8.1	8.2	7.6	7.9	8.1	120	
125	10.4	10.7	10.8	8.1	8.1	8.2	9.4	9.2	9.2	7.9	7.9	8	7.4	7.6	7.8	125	
130	9.5	10.1	10.4	7.8	7.8	7.9	9.1	9	9	7.6	7.7	7.8	7.1	7.3	7.5	130	
135	9	9.3	9.7	7.5	7.6	7.7	8.8	8.8	8.8	7.4	7.4	7.6	6.8	7	7.2	135	
140	8.7	8.6	8.9	7.2	7.3	7.5	8.3	8.6	8.6	7.1	7.2	7.3	6.5	6.7	6.9	140	
145	8.3	8.4	8.5	7	7.1	7.2	7.6	8.1	8.4	6.9	7	7.1	6.2	6.4	6.6	145	
150	7.7	8.1	8.3	6.7	6.8	7	7	7.5	7.8	6.7	6.8	6.9	5.9	6.1	6.3	150	
155	7.2	7.6	7.8	6.4	6.5	6.7	6.4	6.9	7.2	6.4	6.5	6.7	5.6	5.8	6	155	
160	6.6	7	7.2	6.1	6.3	6.4	5.9	6.3	6.6	5.8	6.2	6.4	5.4	5.6	5.7	160	
165	6.1	6.5	6.7	5.9	6	6.1	5.4	5.8	6	5.4	5.8	6	5.1	5.3	5.5	165	
170	5.7	6	6.1	5.6	5.8	5.9	4.9	5.3	5.5	4.9	5.3	5.5	4.8	5	5.2	170	
175	5.2	5.5	5.7	5.1	5.4	5.6	4.4	4.8	5	4.4	4.8	5	4.3	4.7	4.9	175	
180	4.8	5.1	5.2	4.7	5	5.2	3.9	4.3	4.5	3.9	4.4	4.6	3.8	4.2	4.4	180	
185	4.3	4.6	4.7	4.3	4.6	4.7	3.4	3.8	4	3.5	3.9	4.1	3.3	3.8	4	185	
190	3.9	4.1	4.2	3.8	4.1	4.3	3	3.4	3.5	3	3.4	3.6	2.9	3.3	3.5	190	
195	3.5	3.7	3.7	3.4	3.7	3.8	2.6	2.9	3	2.6	3	3.1	2.5	2.8	3	195	
200	3.1	3.3	3.3	3	3.3	3.3	2.2	2.5	2.6	2.2	2.5	2.7	2.1	2.4	2.6	200	
205	2.7	2.8		2.6	2.9	2.9	1.8	2.1	2.1	1.8	2.1	2.2	1.5	2	2.1	205	
210	2.4	2.5		2.3	2.5	2.5	1.5	1.7	1.7		1.7	1.8			1.6	210	
215	1.7			2	2.1			1.3								215	
220				1.7	1.8											220	

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Lifting capacities

Forces de levage

TK/TNZK



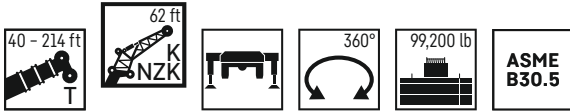
	40 ft			121 ft			135 ft			148 ft			162 ft			176 ft			
	K/NZK 62 ft																		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16	15.7																		16
17	15.6																		17
18	15.4																		18
19	15.2																		19
20	15																		20
22	14.6																		22
24	14.1																		24
26	13.7			16.3															26
28	13.3			16.2															28
30	12.8	10.6		16.1			15.3												30
32	12.4	10.3		15.9			15.2												32
34	12	10		15.7			15			13.8									34
36	11.6	9.7		15.5			14.9			13.7									36
38	11.2	9.4		15.2			14.7			13.6			12.5						38
40	10.9	9.2		15			14.5			13.4			12.4			11.1			40
45	10.1	8.8	7.8	14.4	10.4		14	10.3		13.1			12.2			10.9			45
50	9.4	8.4	7.5	13.7	10		13.5	9.9		12.8	9.7		12			10.8			50
55	8.9	8	7.3	13.1	9.7		13	9.6		12.4	9.5		11.7	9.3		10.7			55
60	8.5	7.7	7.1	12.5	9.4	7.7	12.4	9.3		12	9.2		11.4	9.1		10.5	8.9		60
65	7.8	7.5	6.9	12	9.1	7.6	11.9	9.1	7.6	11.5	9	7.5	11.1	8.9		10.3	8.7		65
70	7.2	7.2	6.8	11.4	8.8	7.4	11.4	8.9	7.4	11.1	8.8	7.4	10.8	8.7	7.3	10.1	8.5		70
75	6.7	7	6.8	10.9	8.6	7.3	11	8.6	7.3	10.7	8.6	7.3	10.4	8.5	7.2	9.9	8.3	7.2	75
80	6.2	6.9	6.8	10.4	8.4	7.2	10.5	8.4	7.2	10.4	8.4	7.2	10.2	8.3	7.1	9.7	8.2	7.1	80
85	5.8	6.9	6.8	10	8.2	7.1	10.2	8.3	7.1	10	8.2	7.1	9.9	8.2	7.1	9.5	8	7	85
90	5.5	6.8	6.8	9.7	8	7	9.8	8.1	7.1	9.7	8	7	9.6	8	7	9.3	7.9	6.9	90
95	5.2	6.7		9.4	7.9	7	9.5	7.9	7	9.5	7.9	7	9.4	7.9	6.9	9.1	7.8	6.9	95
100				9.1	7.7	6.9	9.3	7.8	6.9	9.2	7.8	6.9	9.2	7.7	6.9	8.9	7.6	6.9	100
105				8.8	7.6	6.9	9	7.6	6.9	9	7.6	6.9	9	7.6	6.8	8.7	7.5	6.8	105
110				8.6	7.4	6.8	8.7	7.5	6.8	8.8	7.5	6.8	8.8	7.5	6.8	8.6	7.4	6.8	110
115				8.3	7.3	6.8	8.5	7.4	6.8	8.6	7.4	6.8	8.6	7.4	6.8	8.4	7.3	6.7	115
120				7.9	7.2	6.8	8.3	7.3	6.8	8.4	7.3	6.7	8.4	7.3	6.7	8.3	7.2	6.7	120
125				7.6	7.1	6.8	8	7.2	6.7	8.1	7.2	6.7	8.2	7.2	6.7	8.1	7.2	6.7	125
130				7.3	7	6.8	7.7	7.1	6.7	7.9	7.1	6.7	8	7.1	6.7	7.9	7.1	6.7	130
135				7	7	6.8	7.4	7	6.7	7.6	7.1	6.7	7.8	7.1	6.7	7.8	7	6.7	135
140				6.8	6.9	6.8	7.1	7	6.7	7.3	7	6.7	7.5	7	6.7	7.5	7	6.6	140
145				6.5	6.9	6.8	6.9	6.9	6.7	7.1	6.9	6.7	7.3	6.9	6.7	7.3	6.9	6.6	145
150				6.3	6.8	6.8	6.6	6.9	6.7	6.9	6.9	6.7	7.1	6.9	6.7	7	6.8	6.6	150
155				6.1	6.8	6.8	6.4	6.8	6.7	6.7	6.8	6.7	6.6	6.8	6.7	6.7	6.8	6.6	155
160				5.9	6.8	6.8	6.1	6.7	6.7	6.3	6.8	6.7	6.4	6.7	6.7	6.6	6.8	6.6	160
165				5.7	6.8	6.8	5.8	6.4	6.6	6	6.5	6.6	6.2	6.6	6.7	6.4	6.6	6.6	165
170				5.5	6.8		5.7	6.3	6.6	5.9	6.4	6.6	6.1	6.5	6.6	6.1	6.5	6.6	170
175				5.4			5.6	6.2	6.5	5.8	6.3	6.5	6	6.3	6.5	5.8	6.2	6.5	175
180							5.5	6.1		5.7	6.2	6.4	5.8	6.2	6.4	5.7	5.8	6.1	180
185							5.4	6.1		5.6	6.1	6.4	5.5	5.9	6.1	5.3	5.6	5.8	185
190							3.5			5.5	6	6.1	5.2	5.5	5.6	5	5.4	5.6	190
195										5.4	5.7		5	5.1	5.2	4.6	5	5.2	195
200										5.1	2.7		4.8	4.9	5.1	4.2	4.6	4.8	200
205													4.6	4.8		3.8	4.2	4.3	205
210													4.3	4.4		3.5	3.8	3.9	210
215													3.3			3.2	3.4	3.4	215
220																2.8	3.1		220
225																2.6	2.7		225

t_314_003_01001_00_000

Lifting capacities

Forces de levage

TK/TNZK



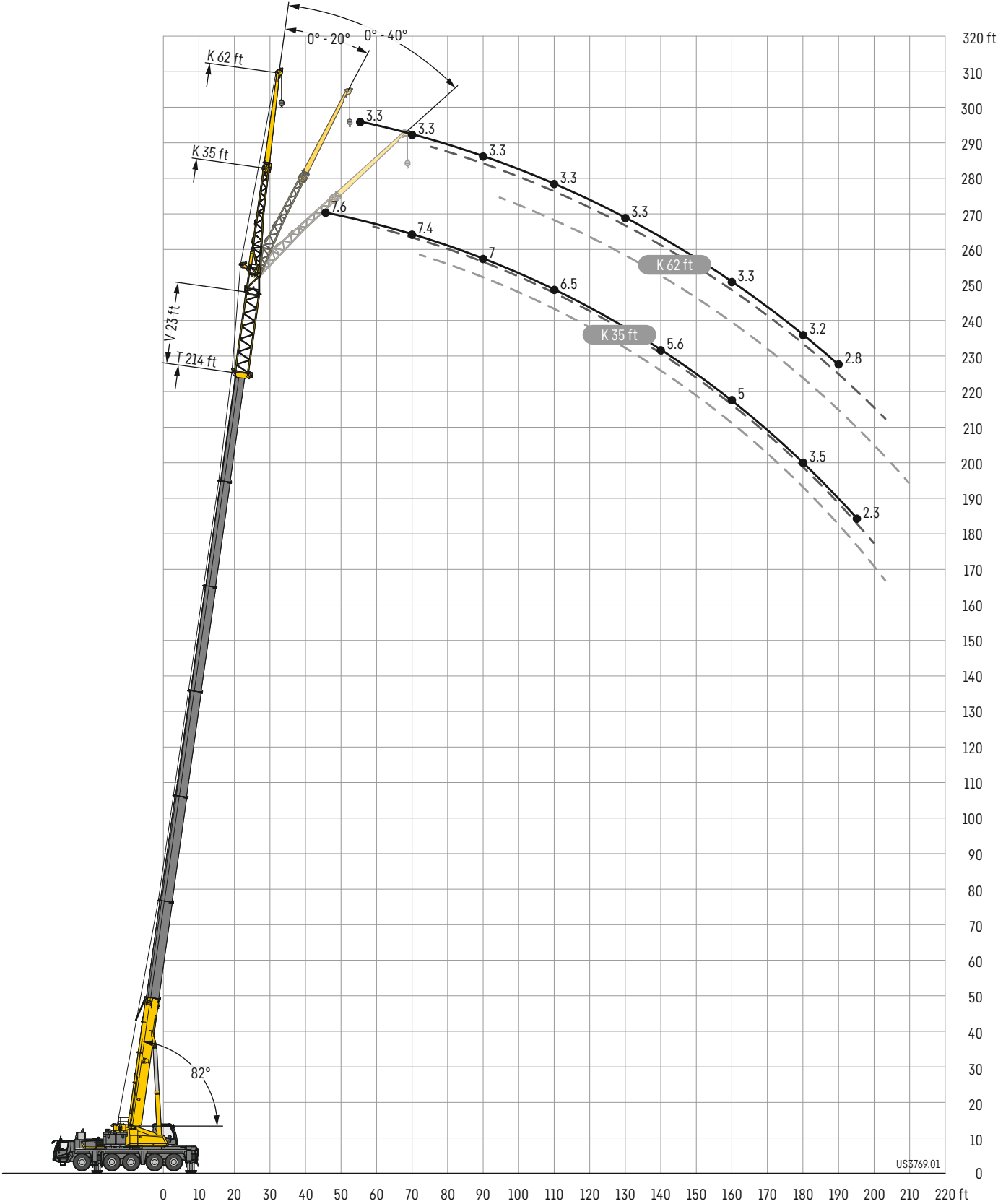
	189 ft			201 ft			202 ft			214 ft			
	K/NZK 62 ft												
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	9.6									6.5			45
50	9.5			7.9			8.4			6.5			50
55	9.5			7.8			8.3			6.5			55
60	9.4	8.5		7.6			8.1			6.5			60
65	9.4	8.3		7.4	7		8	7.5		6.5			65
70	9.3	8.2		7.3	7		7.8	7.4		6.5	6.4		70
75	9.2	8.1		7.1	7		7.7	7.4		6.5	6.3		75
80	9.1	7.9	7	7.1	6.9		7.6	7.3		6.5	6.3		80
85	8.9	7.8	6.9	7	6.9	6.7	7.5	7.3	6.8	6.4	6.3		85
90	8.8	7.7	6.9	6.9	6.9	6.7	7.4	7.3	6.7	6.3	6.3	6.2	90
95	8.7	7.6	6.8	6.8	6.9	6.6	7.3	7.3	6.7	6.2	6.3	6.2	95
100	8.5	7.5	6.8	6.8	6.8	6.6	7.3	7.2	6.6	6.2	6.3	6.2	100
105	8.4	7.4	6.7	6.7	6.8	6.6	7.2	7.1	6.6	6.1	6.3	6.2	105
110	8.3	7.3	6.7	6.7	6.8	6.5	7.1	7.1	6.6	6.1	6.3	6.2	110
115	8.1	7.2	6.7	6.7	6.8	6.5	7.1	7	6.5	6	6.2	6.2	115
120	8	7.1	6.6	6.6	6.7	6.5	7	6.9	6.5	6	6.2	6.2	120
125	7.9	7.1	6.6	6.6	6.6	6.5	7	6.9	6.5	6	6.2	6.2	125
130	7.8	7	6.6	6.4	6.5	6.5	7	6.8	6.5	6	6.2	6.2	130
135	7.6	6.9	6.6	6.3	6.3	6.4	6.9	6.8	6.5	5.9	6.1	6.2	135
140	7.4	6.9	6.6	6.1	6.1	6.3	6.9	6.7	6.5	5.8	6	6.1	140
145	7.2	6.8	6.6	6	6	6.1	6.8	6.6	6.5	5.7	5.8	6	145
150	7	6.8	6.6	5.8	5.8	6	6.6	6.5	6.5	5.6	5.7	5.9	150
155	6.6	6.8	6.6	5.6	5.7	5.8	6.5	6.4	6.5	5.5	5.6	5.7	155
160	6.4	6.7	6.6	5.5	5.5	5.7	6.2	6.3	6.4	5.4	5.4	5.6	160
165	6.3	6.4	6.6	5.3	5.4	5.6	5.8	6.1	6.3	5.2	5.3	5.5	165
170	6	6.1	6.3	5.1	5.3	5.4	5.3	6	6.1	5	5.2	5.4	170
175	5.6	5.9	6	4.9	5.1	5.3	4.9	5.5	5.9	4.7	5	5.2	175
180	5.1	5.7	5.9	4.7	4.9	5.1	4.4	5.1	5.5	4.2	4.8	5.1	180
185	4.8	5.3	5.6	4.5	4.7	4.9	4	4.6	5	3.8	4.6	4.9	185
190	4.3	4.9	5.2	4.2	4.5	4.7	3.5	4.2	4.6	3.4	4.2	4.6	190
195	3.9	4.5	4.7	3.8	4.3	4.5	3.1	3.8	4.2	3	3.7	4.2	195
200	3.6	4.1	4.3	3.4	4	4.3	2.7	3.4	3.7	2.7	3.3	3.8	200
205	3.2	3.7	3.9	3.1	3.6	3.9	2.3	2.9	3.3	2.3	2.9	3.3	205
210	2.8	3.3	3.4	2.7	3.2	3.5	2	2.5	2.8	1.7	2.5	2.9	210
215	2.5	2.9	3	2.4	2.9	3.1	1.6	2.2	2.4		2.2	2.4	215
220	2.1	2.5	2.6	2.1	2.5	2.6		1.8	2			2	220
225	1.9	2.1	2.1	1.5	2.1	2.3		1.4	1.6				225
230	1.6	1.8			1.7	1.8							230
235	1.3	1.5											235

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Lifting heights

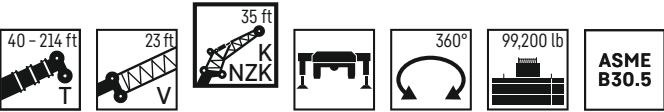
Hauteurs de levage

TVK/TVNZK



Lifting capacities
Forces de levage

TVK/TVNZK

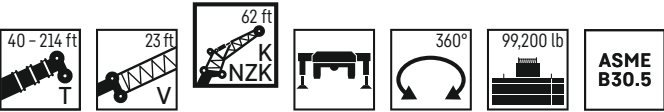


	40 ft + V 23 ft			121 ft + V 23 ft			135 ft + V 23 ft			148 ft + V 23 ft			162 ft + V 23 ft			176 ft + V 23 ft			189 ft + V 23 ft			202 ft + V 23 ft			214 ft + V 23 ft					
	K/NZK 35 ft																													
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
10	33.3																											10		
11	32.8																											11		
12	32.4																											12		
13	32																											13		
14	31.5																											14		
15	31																											15		
16	30.4																											16		
17	29.9																											17		
18	29.3																											18		
19	28.7																											19		
20	28.1	25.8																										20		
22	27	24.7		33.5																								22		
24	25.9	23.7		33																								24		
26	24.7	22.8		32.5			28.6																					26		
28	23.8	21.8	20.4	32			28.3			17																		28		
30	22.8	21	19.7	31.4			27.9			23.9			18.7															30		
32	21.9	20.2	19	30.9			27.6			23.7			18.6															32		
34	21	19.5	18.3	30.3	25.4		27.3			23.4			18.5			14.8												34		
36	20.2	18.8	17.7	29.7	24.9		26.8			23.2			18.3			14.8			11.6									36		
38	19.5	18.1	17.1	29.1	24.3		26.4	22.9		22.9			18.2			14.8			11.6									38		
40	18.8	17.4	16.6	28.3	23.8		25.9	22.5		22.7			18.1			14.8			11.6			9.1						40		
45	17.2	16.1	15.4	26.8	22.4	19.4	24.8	21.3		22	19.6		17.8	16.7		14.7			11.6			9.1			7.6			45		
50	15.8	14.9	14.3	25.2	21.2	18.5	23.7	20.3	18	21.3	18.8		17.4	16.3		14.5	14		11.5	11.5		9.1			7.6			50		
55	14.5	13.8	13.4	23.8	20.1	17.7	22.6	19.4	17.2	20.5	18.1	16.4	17	15.8	14.8	14.3	13.7		11.5	11.3		9.1	9.2		7.6			55		
60	13.3	12.8	12.5	22.5	19.1	16.9	21.5	18.5	16.5	19.8	17.4	15.8	16.6	15.3	14.4	14	13.4	12.9	11.4	11.1		9.1	9.1		7.6	7.6		60		
65	12.3	11.8	11.7	21.3	18.2	16.2	20.5	17.8	15.9	19	16.8	15.2	16.2	14.9	14	13.8	13.1	12.6	11.3	11	10.7	9	8.9	8.6	7.5	7.5		65		
70	11.4	11	11	20.2	17.4	15.6	19.6	17	15.3	18.3	16.1	14.7	15.8	14.5	13.6	13.5	12.9	12.3	11.1	10.8	10.6	8.9	8.8	8.6	7.4	7.5	7.3	70		
75	10.6	10.4	10.4	19.2	16.6	15	18.7	16.3	14.8	17.6	15.5	14.2	15.3	14.1	13.2	13.3	12.6	12.1	10.9	10.6	10.5	8.8	8.7	8.6	7.3	7.4	7.3	75		
80	9.9	9.8	9.9	18.3	15.9	14.4	17.9	15.7	14.3	16.9	15	13.8	14.9	13.6	12.8	13	12.3	11.8	10.6	10.4	10.3	8.7	8.6	8.5	7.2	7.3	7.3	80		
85	9.4	9.3	9.7	17.3	15.2	13.9	17.1	15	13.8	16.2	14.5	13.4	14.5	13.3	12.5	12.7	12	11.5	10.4	10.2	10.1	8.6	8.5	8.5	7.1	7.2	7.2	85		
90	9	9.1		16.6	14.6	13.5	16.4	14.5	13.4	15.6	14	13	14	12.9	12.2	12.4	11.7	11.3	10.2	10	9.9	8.4	8.4	8.3	7	7	7.1	90		
95				15.8	14	13	15.7	13.9	13	15	13.5	12.6	13.7	12.5	11.9	12.1	11.4	11.1	9.9	9.7	9.7	8.3	8.2	8.1	6.9	6.9	7	95		
100				15.1	13.4	12.6	15	13.4	12.5	14.4	13	12.2	13.3	12.2	11.6	11.8	11.2	10.8	9.7	9.5	9.5	8.1	8	8	6.7	6.8	6.9	100		
105				14.4	12.9	12.2	14.4	12.9	12.1	13.9	12.6	11.8	12.9	11.9	11.3	11.4	10.9	10.6	9.4	9.2	9.2	7.9	7.8	7.8	6.6	6.6	6.7	105		
110				13.7	12.4	11.8	13.6	12.4	11.8	13.3	12.1	11.5	12.5	11.6	11.1	10.9	10.6	10.4	9.2	9	9	7.7	7.6	7.6	6.5	6.5	6.6	110		
115				13	11.9	11.4	12.6	12	11.4	12.1	11.7	11.2	12	11.3	10.8	10.5	10.4	10.2	8.9	8.8	8.8	7.5	7.4	7.5	6.3	6.3	6.4	115		
120				11.9	11.5	11.1	12.1	11.6	11.1	10.9	11.3	10.9	11	11	10.6	10.1	10.1	10	8.7	8.6	8.5	7.3	7.2	7.3	6.2	6.2	6.3	120		
125				11.3	11.1	10.8	11.5	10.8	10.8	10.1	10.6	10.6	9.9	10.7	10.4	9.7	9.7	9.8	8.5	8.3	8.3	7.1	7.1	7.1	6	6	6.1	125		
130				10.8	10.3	10.4	10.8	10.4	10.2	9.6	9.6	10	9.1	9.8	10.1	9.1	9.4	9.5	8.2	8.1	8.1	6.9	6.9	6.9	5.9	5.9	6	130		
135				10.3	9.9	9.9	9.9	10.1	10	9.2	9.3	9.4	8.3	8.9	9.3	8.4	9	9.2	8	7.9	7.9	6.8	6.7	6.7	5.7	5.7	5.8	135		
140				9.9	9.7	9.8	9.1	9.5	9.7	8.8	8.9	9	8	8.1	8.5	7.7	8.2	8.6	7.8	7.7	7.7	6.6	6.6	6.6	5.6	5.6	5.7	140		
145				9.4	9.5	9.6	8.4	8.8	9	8.1	8.5	8.6	7.7	7.7	7.8	7	7.5	7.9	7.2	7.5	7.6	6.5	6.4	6.4	5.4	5.4	5.5	145		
150				8.8	9	9.1	7.8	8.2	8.4	7.5	7.9	8.1	7.4	7.4	7.5	6.4	6.9	7.2	6.6	7.1	7.3	6.3	6.2	6.3	5.3	5.3	5.4	150		
155				8.2	8.4	8.5	7.2	7.6	7.7	6.9	7.3	7.5	7.1	7.2	7.2	6.1	6.3	6.6	6.2	6.5	6.9	6.1	6.1	6.1	5.1	5.2	5.3	155		
160				7.7	7.8	7.9	6.7	7	7.1	6.5	6.7	6.9	6.7	6.9	7	6	5.9	6	6	6	6.3	5.6	5.9	6	5	5	5.1	160		
165				7.2	7.3		6.2	6.4	6.5	6.3	6.3	6.4	6.2	6.5	6.7	5.8	5.8	5.8	5.8	5.8	5.9	5.2	5.6	5.8	4.7	4.9	5	165		
170				6.3			5.9	6	6	6.2	6.1	6.2	5.7	6	6.2	5.6	5.6	5.7	5.4	5.6	5.7	4.7	5.1	5.4	4.4	4.7	4.8	170		
175							5.8	5.8		5.9	5.9	6.1	5.3	5.6	5.7	5.4	5.5	5.5	5	5.3	5.5	4.2	4.6	4.9	4	4.4	4.6	175		
180							5.6	5.7		5.5	5.7	5.7	5.1	5.2	5.2	5.2	5.3	5.4	4.5	4.9	5	3.7	4.2	4.4	3.5	4	4.3	180		
185							4.4			5.1	5.3	5.3	4.9	5	5	4.7	5	5.1	4.1	4.4	4.6	3.2	3.7	4	3.1	3.5	3.8	185		
190										4.7	4.8		4.7	4.8	4.8	4.3	4.6	4.7	3.6	4	4.2	2.8	3.2	3.4	2.7	3.1	3.4	190		
195										4.3	4.4		4.5	4.6	4.6	3.9	4.2	4.2	3.2	3.6	3.7	2.4	2.8	3	2.3	2.7	2.9	195		
200													4.2	4.4		3.5	3.7	3.8	2.8	3.1	3.2	2	2.3	2.5		2.3	2.6	200		
205													3.9	4		3.1	3.3	3.3	2.4	2.7	2.8		1.9	2.1			2.1	205		
210																														

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Lifting capacities
Forces de levage

TVK/TVNZK



	40 ft + V 23 ft			121 ft + V 23 ft			135 ft + V 23 ft			148 ft + V 23 ft			162 ft + V 23 ft			176 ft + V 23 ft			189 ft + V 23 ft			202 ft + V 23 ft			214 ft + V 23 ft				
	K/NZK 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°	0°	20°*	40°*		
15	12.7																											15	
16	12.7																											16	
17	12.7																											17	
18	12.7																											18	
19	12.7																											19	
20	12.7																											20	
22	12.7																											22	
24	12.7																											24	
26	12.7																											26	
28	12.7																											28	
30	12.7																											30	
32	12.6					14.3																						32	
34	12.4	10.2				14.2																						34	
36	12.1	9.9				14.1																						36	
38	11.8	9.7				14																						38	
40	11.6	9.5				13.9						11.9																40	
45	10.9	9.1				13.5						11.7				10.3												45	
50	10.3	8.7	7.6			13.2	9.9					11.5				10.2						5						50	
55	9.7	8.4	7.4			12.7	9.6					11.3	9.4			10.1			9			7.6				3.3		55	
60	9.2	8.1	7.2			12.3	9.4					11.1	9.1			10	8.8		9			7.6				3.3		60	
65	8.8	7.8	7.1			11.8	9.2	7.6				10.9	8.9			9.9	8.7		8.9	8.3		7.5	6.9			3.3		65	
70	8.5	7.6	7			11.4	8.9	7.4				10.6	8.8	7.4		9.7	8.5		8.8	8.2		7.4	6.8		5	5.6	3.3	70	
75	8.1	7.4	6.9			11	8.7	7.3				10.3	8.6	7.3		9.6	8.3	7.2	8.7	8		7.3	6.8		5	5.5		75	
80	7.6	7.2	6.8			10.6	8.5	7.2				10.1	8.4	7.2		9.4	8.2	7.1	8.5	7.9	7	7.2	6.8		5	5.5		80	
85	7.2	7.1	6.8			10.2	8.3	7.2				9.9	8.2	7.1		9.2	8.1	7	8.4	7.8	6.9	7.1	6.8	6.3		5	5.5		85
90	6.8	6.8	6.7			9.9	8.2	7.1				9.6	8.1	7		9	7.9	7	8.2	7.7	6.9	7	6.8	6.3		5	5.5	5.2	90
95	6.5	6.5	6.6			9.6	8	7				9.4	7.9	7		8.8	7.8	6.9	8.1	7.6	6.8	6.9	6.7	6.3		5	5.4	5.2	95
100	6.2	6.3	6.4			9.4	7.9	7				9.2	7.8	6.9		8.6	7.7	6.9	7.9	7.4	6.8	6.8	6.7	6.3		5	5.4	5.2	100
105	5.9	6	6.2			9.1	7.7	6.9				9	7.7	6.9		8.4	7.6	6.8	7.7	7.3	6.7	6.7	6.6	6.3		5	5.4	5.2	105
110	5.7	5.8	6.1			8.9	7.6	6.9				8.9	7.6	6.9		8.7	7.6	6.8	7.6	7.1	6.7	6.7	6.5	6.3		5	5.4	5.2	110
115	5.5	5.7				8.7	7.5	6.8				8.7	7.5	6.8		8	7.4	6.7	7.5	7	6.6	6.6	6.4	6.3		5	5.4	5.2	115
120						8.4	7.4	6.8				8.5	7.4	6.8		8.3	7.4	6.7	7.8	7.2	6.7	7.3	6.9	6.6		5	5.4	5.2	120
125						8.2	7.3	6.8				8.2	7.3	6.7		8	7.3	6.7	7.6	7.1	6.7	7.2	6.7	6.5		5	5.4	5.2	125
130						7.9	7.2	6.7				8	7.2	6.7		7.8	7.2	6.7	7.4	6.9	6.6	7	6.6	6.4		5	5.4	5.2	130
135						7.7	7.1	6.7				7.8	7.1	6.7		7.6	7	6.7	7.3	6.8	6.6	6.9	6.5	6.3		5	5.3	5.2	135
140						7.4	6.9	6.7				7.4	6.9	6.6		7.1	6.6	6.5	6.7	6.3	6.2	6.2	5.9	5.9		5	5.2	5.2	140
145						7.2	6.8	6.6				7.2	6.7	6.5		6.9	6.5	6.4	6.6	6.2	6.1	6.1	5.8	5.8		5	5.1	5.1	145
150						6.9	6.6	6.5				6.9	6.6	6.4		6.7	6.4	6.3	6.5	6.1	6.1	6	5.7	5.8		5	5	5	150
155						6.7	6.5	6.4				6.6	6.4	6.3		6.2	6.3	6.2	6.3	6	6	5.8	5.7	5.7		4.9	4.9	4.9	155
160						6.5	6.3	6.3				6.4	6.3	6.3		5.9	6.1	6.1	5.7	5.9	5.9	5.6	5.6	5.6		4.8	4.8	4.9	160
165						6.2	6.2	6.3				6.3	6.2	6.2		5.7	5.9	6	5.2	5.8	5.8	5.3	5.5	5.6		4.7	4.7	4.8	165
170						6	6	6.2				6.2	6	6.1		6	5.9	6	5.5	5.5	5.8	4.7	5.5	5.8		4.6	4.6	4.7	170
175						5.8	5.8	6				5.9	5.9	6		5.6	5.8	5.9	5.3	5.3	5.4	4.5	5	5.5		4.2	4.5	4.6	175
180						5.7	5.7	6				5.5	5.8	6		5.2	5.6	5.8	5.1	5.2	5.3	4.4	4.6	5		3.9	4.4	4.5	180
185						5.6	5.6	6				5	5.5	5.6		4.7	5.2	5.5	4.9	5.1	5.2	4.3	4.3	4.6		3.5	4.2	4.4	185
190						5.5	5.6					4.6	5.1	5.2		4.4	4.8	5	4.4	4.9	5	4.1	4.1	4.3		2	3.8	4.2	190
195						5.3	5.4					4.2	4.6	4.6		4.3	4.3	4.6	4	4.6	4.8	4	4	4.1		2.7	3.4	3.9	195
200												4	4.1			4.1	4.1	4.3	3.8	4.1	4.4	3.8	3.9	4		2.4	3	3.5	200
205												3.9	4			4	4.1	4.2	3.7	3.7	3.9	3.5	3.8	3.9		2	2.7	3.1	205
210												3.9				3.6	3.9	3.9	3.5	3.6	3.7	3.2	3.6	3.8			2.3	2.7	210
215												3.3	3.5			3.3	3.5		2.8	3.3	3.5	2.1	2.7	3			2	2.3	215
220												3	3.1			3.2	3.4	3.4	2.5	2.9	3	1.8	2.3	2.6				1.9	220
225																2.9	3.2		2.2	2.5	2.6		2	2.2					225
230																2.6	2.8		1.9	2.2	2.2			1.8					230
235																2.4	2.5			1.9	1.9								235

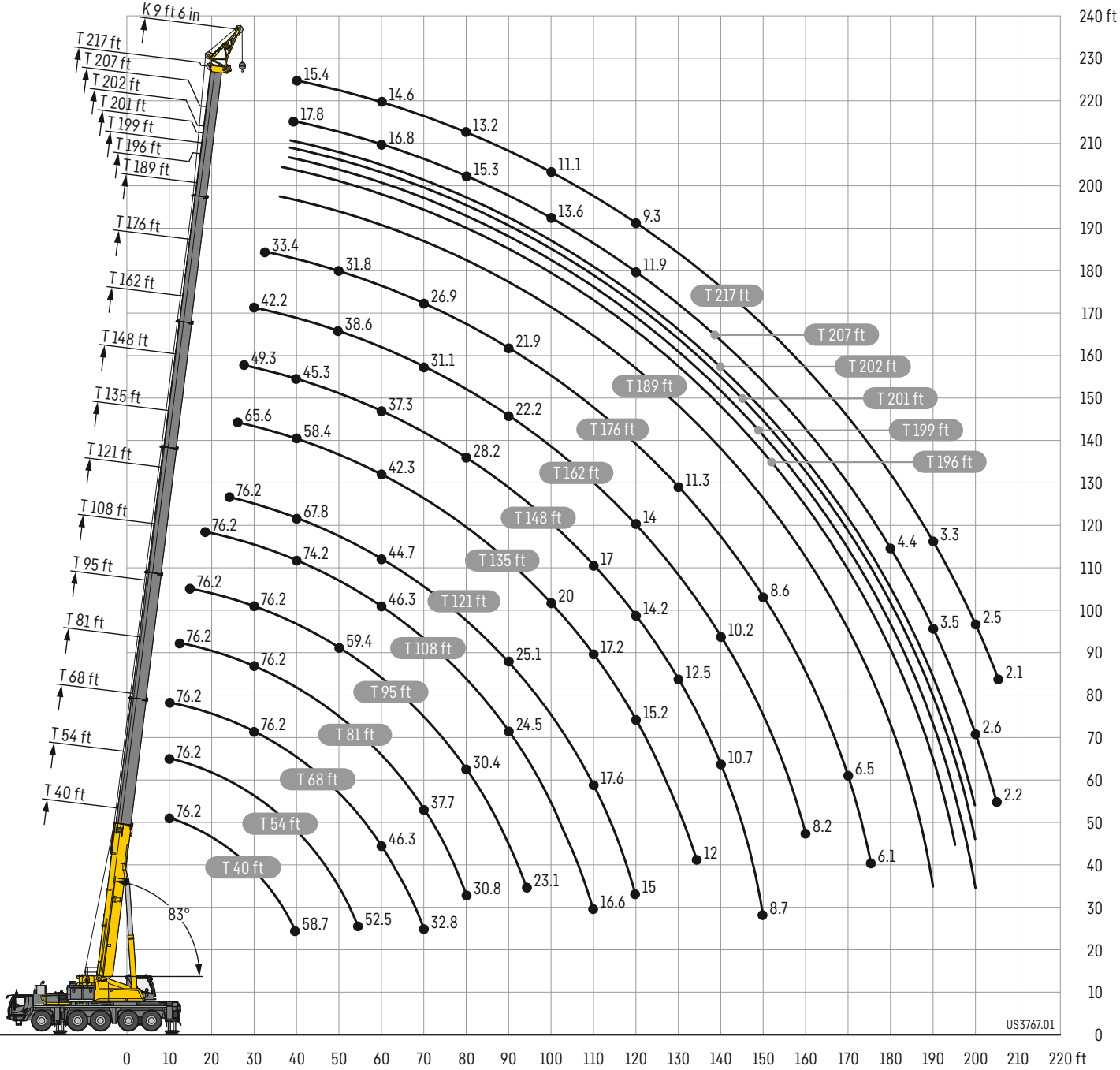
* only possible in TVNZK mode - uniquement possible en cas de fonctionnement de la pointe pliante hydraulique de la flèche télescopique (TVNZK)

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Lifting heights

Hauteurs de levage

TK



Lifting capacities

Forces de levage

TK



	40 ft	54 ft	68 ft	81 ft	95 ft	108 ft	121 ft	135 ft	148 ft	162 ft	169 ft	176 ft	182 ft	185 ft	187 ft	189 ft	196 ft	199 ft	201 ft	202 ft	207 ft	210 ft	214 ft	217 ft	
	K 9 ft 6 in																								
10	76.2	76.2	76.2																						10
11	76.2	76.2	76.2																						11
12	76.2	76.2	76.2	76.2																					12
13	76.2	76.2	76.2	76.2																					13
14	76.2	76.2	76.2	76.2																					14
15	76.2	76.2	76.2	76.2	76.2																				15
16	76.2	76.2	76.2	76.2	76.2																				16
17	76.2	76.2	76.2	76.2	76.2	76.2																			17
18	76.2	76.2	76.2	76.2	76.2	76.2																			18
19	76.2	76.2	76.2	76.2	76.2	76.2																			19
20	76.2	76.2	76.2	76.2	76.2	76.2																			20
22	76.2	76.2	76.2	76.2	76.2	76.2	76.2																		22
24	75.5	76.2	76.2	76.2	76.2	76.2	76.2	65.6																	24
26	74.5	76.2	76.2	76.2	76.2	76.2	76.2	65.6																	26
28	72.8	76.2	76.2	76.2	76.2	76.2	76.2	65.3	49.3																28
30	70.7	76.2	76.2	76.2	76.2	76.2	76.2	64.7	48.8	42.2															30
32	68.5	75.1	76.2	76.2	76.2	76.2	74.4	63.7	48.2	42.1	30.3	33.4													32
34	66.3	74.3	76.2	76.2	76.2	76.2	72.7	62.6	47.6	42	30	33.4	27	25.3											34
36	64.3	73	76.1	76.2	76.2	76.2	71.1	61.3	46.9	41.8	29.7	33.4	26.8	25.2	22.1	26.8	23								36
38	62.2	71.4	75.5	76.2	76	76.2	69.3	59.8	46	41.5	29.3	33.4	26.6	24.9	21.9	26.7	23.5	22.2	21.7	21.5	17.8	17.3			38
40	58.7	69.7	74.8	76.2	75.4	74.2	67.8	58.4	45.3	41.2	28.9	33.2	26.4	24.6	21.7	26.6	23.4	22.1	21.5	21.4	17.7	17.2	15.8	15.4	40
45		65.5	67.8	68.6	67.2	65.1	63.1	54.4	43.1	40.1	27.6	32.6	25.7	23.9	21	26.2	23	21.7	21.2	21.2	17.6	17.1	15.6	15.2	45
50		60.1	60.5	60.4	59.4	59.2	56.5	50.5	41	38.6	26.3	31.8	24.8	23.2	20.3	25.7	22.5	21.2	20.8	20.9	17.4	16.9	15.4	15	50
55		52.2	52.9	52.6	52.9	52.7	50.1	46.8	39.1	36.8	24.9	30.8	23.8	22.4	19.5	25.2	21.9	20.7	20.2	20.5	17.1	16.7	15.2	14.8	55
60			46.3	46.9	47.2	46.3	44.7	42.3	37.3	34.9	23.6	29.5	22.9	21.6	18.7	24.6	21.2	20.2	19.5	20.1	16.8	16.5	14.9	14.6	60
65			40.9	42.1	41.8	41	39.7	37.8	35.7	33.1	22.4	28.2	21.8	20.8	18	23.8	20.6	19.6	18.8	19.7	16.5	16.2	14.6	14.3	65
70			32.8	37.7	37.3	36.5	35.3	33.9	33.8	31.1	21.1	26.9	20.9	20.1	17.2	22.9	19.8	19.1	17.9	19	16.2	15.8	14.2	14	70
75				34	33.6	32.8	31.4	32.1	31.1	29.2	19.8	25.7	19.8	19.2	16.5	22	19	18.4	17.1	18.4	15.7	15.4	13.9	13.6	75
80				30.8	30.4	29.5	28.9	29.3	28.2	27.2	18.7	24.4	18.7	18.3	15.7	21.1	18.1	17.7	16.3	17.8	15.3	15	13.5	13.2	80
85					27.6	26.7	27.5	26.5	25.8	24.7	17.7	23.2	17.8	17.4	14.9	20.3	17.3	16.9	15.5	17.1	14.9	14.4	13.1	12.7	85
90					25.2	24.5	25.1	24	23.3	22.2	16.8	21.9	17	16.4	14.2	19.5	16.6	16.1	14.7	16.5	14.4	13.8	12.6	12.2	90
95					23.1	23.5	22.9	22	21.1	20.9	16	20.3	16.2	15.5	13.4	18.7	15.9	15.3	13.8	15.9	14	13.2	12.2	11.7	95
100						22	20.9	20	19.6	19.6	15.2	18.5	15.4	14.7	12.7	17.8	15.3	14.6	13	15.2	13.6	12.6	11.8	11.1	100
105						20.2	19.2	18.5	18.3	17.9	14.5	17.1	14.8	13.9	11.9	16.6	14.7	13.9	12.5	14.6	13.2	12.1	11.3	10.6	105
110						16.6	17.6	17.2	17	16.4	13.7	16	14.1	13.2	11.2	15	14.1	13.2	11.9	14.1	12.7	11.6	10.9	10.1	110
115							16.2	16.1	15.5	15.1	13.1	14.5	13.5	12.5	10.6	13.8	13.4	12.6	11.3	13.4	12.3	11.2	10.5	9.7	115
120							15	15.2	14.2	14	12.5	13.5	12.9	11.8	10	13.1	12.3	11.9	10.6	12.3	11.9	10.8	10.1	9.3	120
125								14	13.4	12.9	11.9	12.4	12.1	11.2	9.5	12.1	11.2	11.1	10.1	11.1	11.4	10.5	9.7	8.9	125
130								13	12.5	12.1	11.4	11.3	11.1	10.6	9	11	10.8	10.1	9.6	10.1	10.4	10.1	9.3	8.5	130
135								12	11.5	11	10.8	10.7	10.3	10	8.6	10	10.1	9.6	9.2	9.3	9.6	9.6	9.6	8.1	135
140									10.7	10.2	10	9.9	9.8	9.3	8.2	9.3	9.4	9	8.7	8.6	8.8	8.8	8.6	7.7	140
145									10.2	9.7	9.3	9.2	9.3	8.7	7.8	8.6	8.7	8.3	8.3	7.9	8.1	8.2	8.1	7.4	145
150									8.7	9.2	8.9	8.6	8.7	8.4	7.5	8	8.1	7.7	7.9	7.2	7.5	7.5	7.4	7	150
155										8.7	8.6	8	8.1	8	7.1	7.4	7.5	7.1	7.4	6.7	6.9	6.9	6.9	6.7	155
160										8.2	7.5	7.5	7.5	6.8	6.9	6.9	6.6	6.8	6.1	6.4	6.4	6.3	6.2	6.2	160
165											7.7	7	7	7	6.5	6.4	6.4	6	6.3	5.6	5.9	5.9	5.8	5.6	165
170											6.8	6.5	6.6	6.5	6.2	5.9	6	5.6	5.9	5.1	5.4	5.4	5.3	5.2	170
175												6.1	6.1	6.1	6	5.5	5.5	5.1	5.4	4.6	4.9	4.9	4.9	4.7	175
180													5.7	5.7	5.6	5	5.1	4.6	5	4.1	4.4	4.4	4.3	4.2	180
185														5.2	5.1	4.5	4.6	4.2	4.5	3.6	3.9	3.9	3.9	3.7	185
190																3.8	4.2	3.7	4.1	3.2	3.5	3.5	3.4	3.3	190
195																	3.8	3.3	3.7	2.8	3	3.1	3	2.8	195
200																		2.2	3.3	2.4	2.6	2.6	2.6	2.5	200
205																					2.2	2.3	2.2	2.1	205
210																							1.9	1.8	210

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Equipment



Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopable 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 to (EU 2016/1628 and EPA/CARB or ECE-R96, spark arrestor. Fuel reservoir: 148 gallons.
Transmission	Automated 12-speed manual gearbox with oil-cooled multi-disk clutch 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.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
Tyres	10 tyres. Size of tyres: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2nd to 5th axle. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), interarder 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.



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 standard feature.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tiltable 20° to rear.
Safety devices	LICCON3 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 extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 40 ft to 217 ft.
Counterweight	63,930 lb
Electrical system	Modern data bus technique, 24 Volt DC.

Additional equipment

K	Assembly jib 9 ft 6 in.
K	Single folding jib, 35 ft. Double swing-away jib 35 ft – 62 ft. Mechanical adjustment 0°; 20°; 40°.
NZK	Single folding jib, 35 ft. Double swing-away jib 35 ft – 62 ft. Hydraulic adjustment 0° – 40°.
V	Telescopic boom extension 23 ft.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	10 tyres, size 525/80 R 25 (20.5 R 25).
Drive 10 x 8	Additional drive of the 1st axle.
Additional counterweight	35,270 lb for a total counterweight of 99,200 lb.

Other items of equipment available on request.

Equipment



Châssis porteur

Cadre	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. 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 aux directives (EU) 2016/1628 et EPA/CARB ou ECE-R.96, pare-étincelles. Capacité du réservoir à carburant: 148 gallons.
Boîte de vitesse	Boîte de vitesses 12 rapports automatisée avec embrayage multidisque sous bain d'huile, 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.
Suspension	Suspension hydropneumatique «Niveumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus. Taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique.Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service : servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main : ressort accumulé agissant sur les roues des essieux 2 à 5. Freins auxiliaire : par clapet sur échappement, frein Telma (option), 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.



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, réducteur planétaire, frein d'arrêt commandé par ressort. Commutation en série du mécanisme d'orientation: ouvert et en orientation freinée automatiquement.
Cabine de grue	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge, «LICCON3», système test, limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	Un élément de base et de 6 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 40 ft - 217 ft.
Contrepoids	63,930 lb
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts.

Equipment supplémentaire

K	Flechette de montage 9 ft 6 in.
K	Flechette pliante simple, longueur 35 ft. Double flechette pliante 35 ft - 62 ft. Reglage mecanique 0° ; 20° ; 40°.
NZK	Flechette pliante simple, longueur 35 ft. Double flechette pliante 35 ft - 62 ft. Reglage hydraulique 0° - 40°.
V	Rallonge flèche télescopique 23 ft.
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Pneumatiques	10 pneus. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	35,270 lb pour un contrepoids total de 99,200 lb.

Autres équipements supplémentaires sur demande.

Description of symbols

Explication des symboles

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

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 189,600 lb/257,700 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.
12.	The illustrations in this brochure may feature accessories and special equipment not included in the standard scope of delivery.

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 charges sont indiquées 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 189,600 lb/257,700 lb seulement avec moufle additionnel/equipement 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.
12.	Les figures contiennent également des accessoires et des équipements spéciaux non inclus de série dans la livraison.

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Crane Finder



Operations

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Planning

Crane Planner 2.0



Operations

Documents



Maintenance

Spare Parts Catalogue



Planning

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Training

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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.
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Liebherr-Werk Ehingen GmbH · Postfach 1361 · 89582 Ehingen, Germany
+49 73 91 5 02-0 · www.liebherr.com

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