



110 USt



197 ft



204 ft



249 ft

NEW

Improved load capacity
Capacités de charge améliorées

All-Rounder – Ready for anything

LTM 1090-4.3

Mobile crane
Grue mobile

LIEBHERR

Mobile and crawler cranes



Preliminary
Préliminaire

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Mobile crane

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New features

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Everything on board + Flexible assembly jib

Tout ce qu'il faut à disposition + Fléchette de montage flexible	7
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Counterweight radius

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Counterweight

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Description of symbols

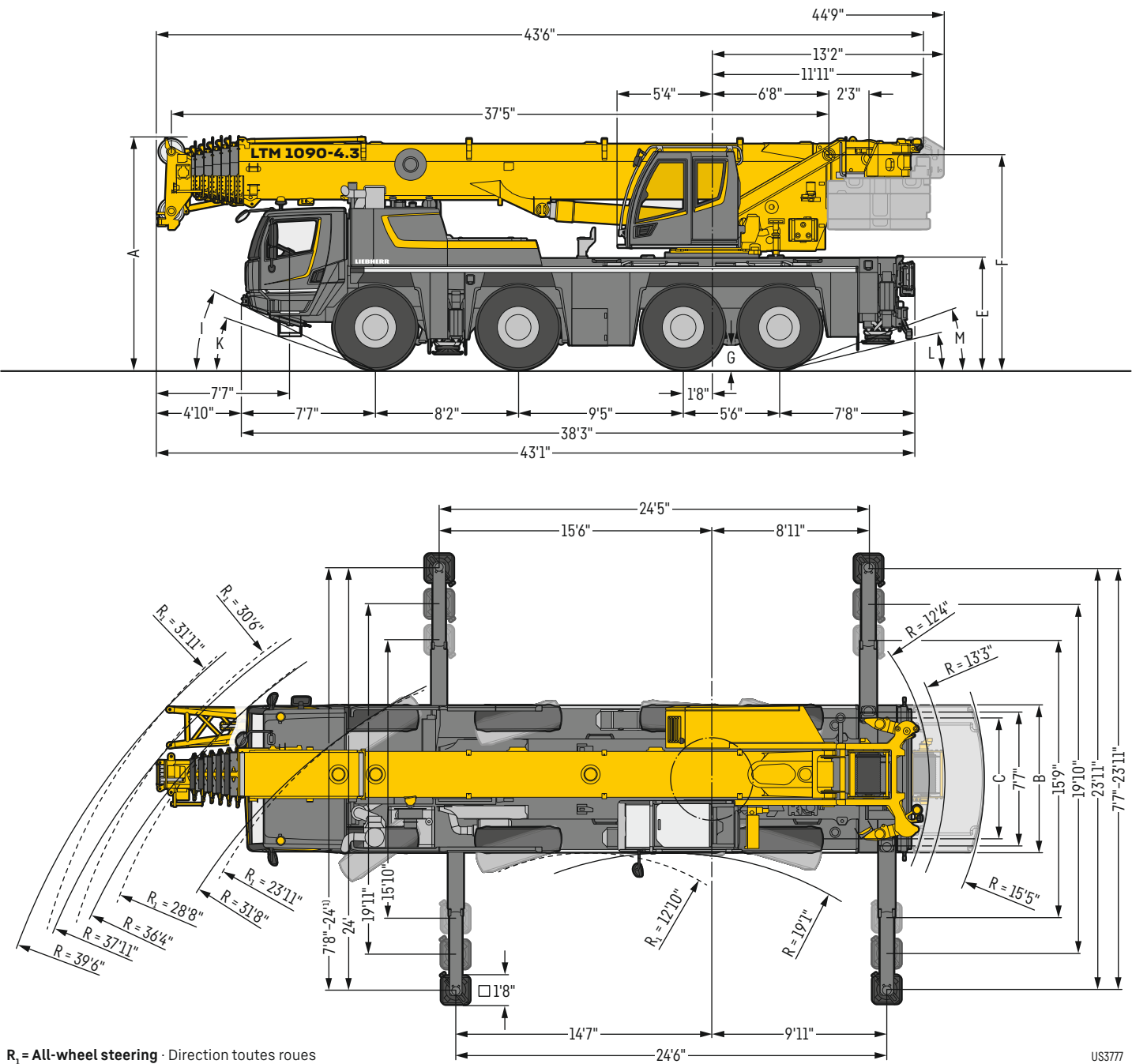
Explication des symboles	30
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Remarks

Remarques	31
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Dimensions

Encombrement



R₁ = All-wheel steering · Direction toutes roues

US3777

Dimensions · Encombrement

	A	A 4" *	B	C	E	F	G	I	K	L	M
445/95 R 25 (16.00 R 25)	13'1"	12'10"	8'4"	6'11"	6'3"	12'1"	1'4"	27°	20°	13°	19°
525/80 R 25 (20.5 R 25)	13'1"	12'10"	8'10"	7'1"	6'3"	12'1"	1'4"	27°	20°	13°	19°

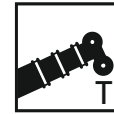
* lowered · abaissé

LTM 1090-4.3

RemoteDrive allows the sensitive manoeuvring of the crane from the outside via radio remote control.

RemoteDrive permet des manœuvres précises de la grue depuis l'extérieur au moyen d'une télécommande radio.

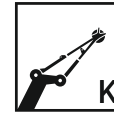




197 ft



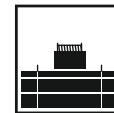
31 ft – 52 ft



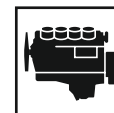
6 ft 7 in



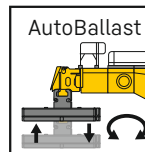
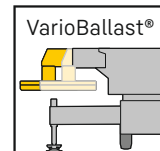
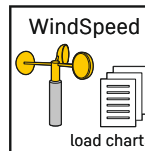
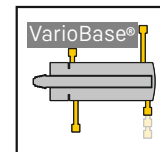
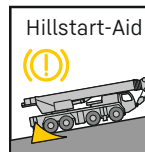
8 ft 4 in (445/95 R 25)



49,600 lb



330 kW (449 h.p.)



New features

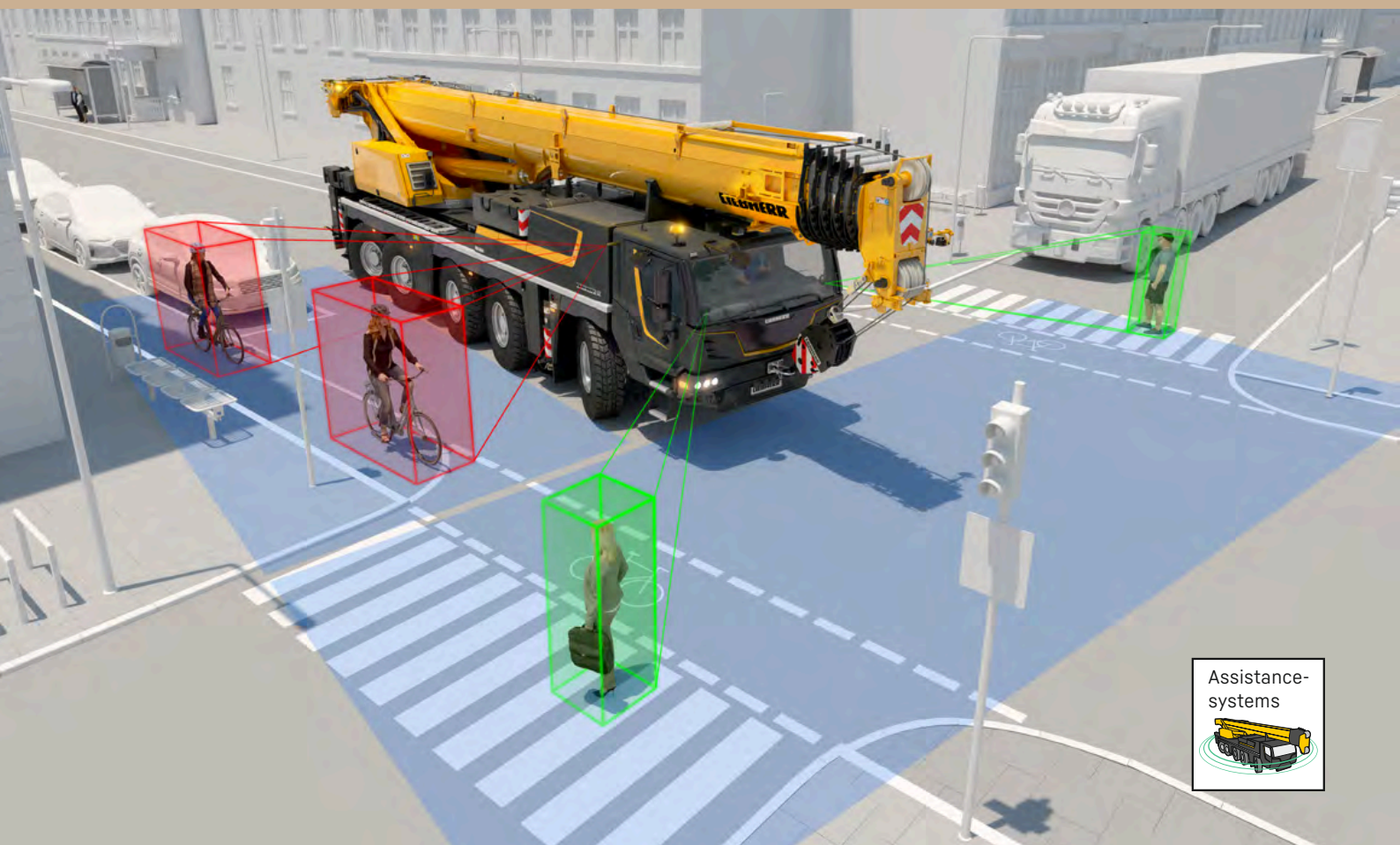
Nouveautés

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.



Everything on board

Tout ce qu'il faut à disposition

1

Fast changing ballast system for various driving situations

Système de changement rapide pour les configurations de conduite les plus diverses



2

Integrated storage areas for the daily operation

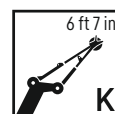
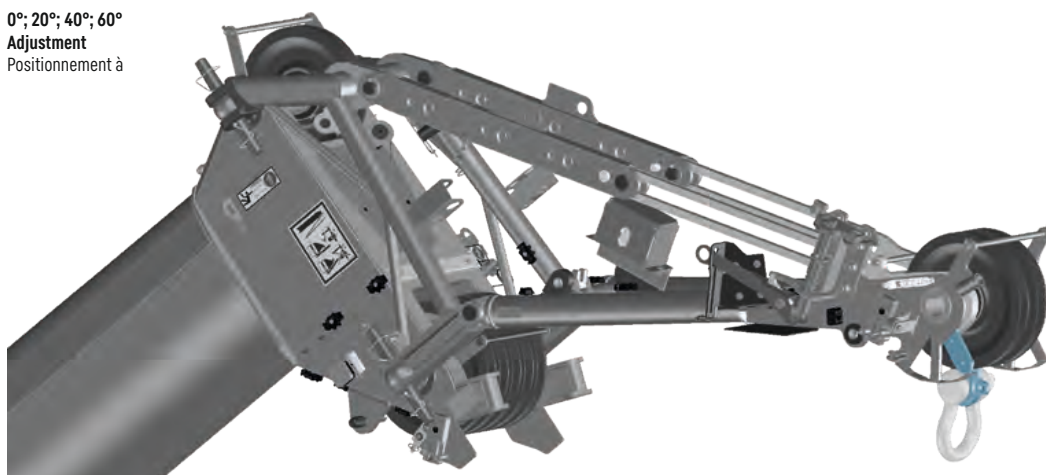
Rangements intégrés pour l'usage quotidien



Flexible assembly jib

Fléchette de montage flexible

0°; 20°; 40°; 60°
Adjustment
Positionnement à

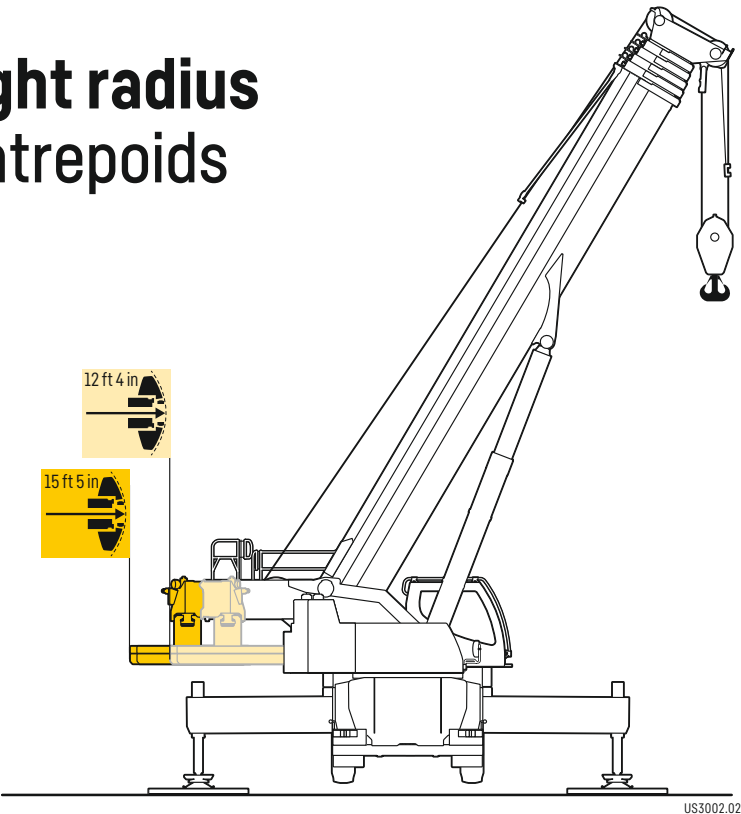
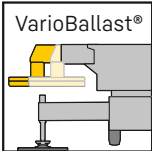


with sling bracket
avec attache d'arrimage

VarioBallast

Counterweight radius

Rayon de contrepoids



Counterweight

Contrepoids



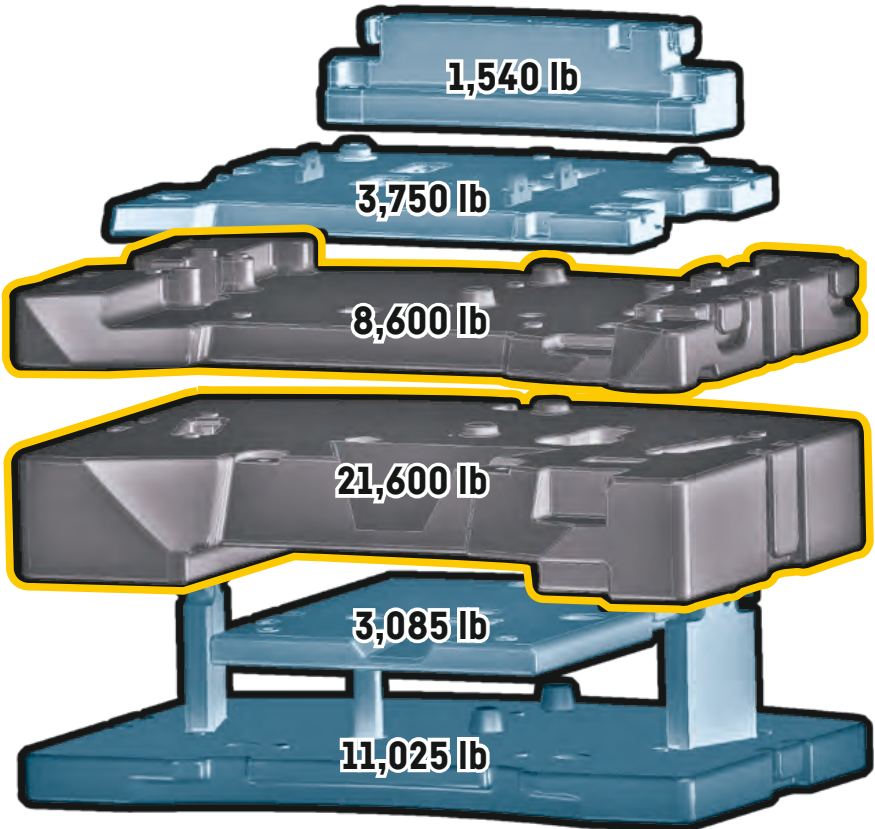
26,450 lb axle load
26,450 lb de charge par essieu



Technichally transportable
Transport techniquement simplifié



Additional counterweight
Contrepoids additionnel



Crane data

Dates de la grue



Hook block • Moufles à crochet

			
149,900 lb	7	12	1,675 lb
130,500 lb	5	10	1,170 lb
93,250 lb	3	7	990 lb
41,225 lb	1	3	660 lb
13,900 lb	–	1	310 lb



Crane carrier • Châssis porteur

	 min.	 max.	 %		
445/95 R 25 (16.00 R 25)	0.3	53	> 60 %		12 / R2
525/80 R 25 (20.5 R 25)	0.3	53	> 60 %		4 / R2

Theoretical gradeability • aptitude théorique en pente



Max. supporting forces • Forces d'appui max.

		
	90,000 lb	120,000 lb



Crane superstructure • Partie tournante

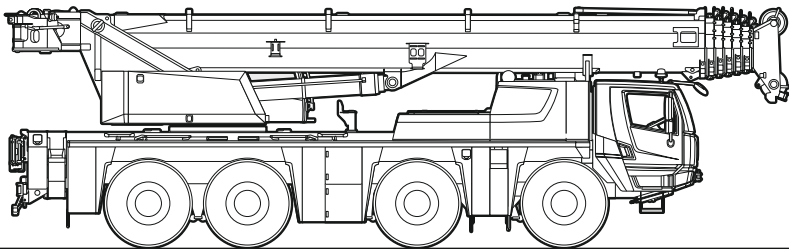
			
 0 – 443 ft/min single line • au brin simple	17 mm	787 ft	14.160 lb
 0 – 443 ft/min single line • au brin simple	17 mm	787 ft	14.160 lb
 0 – 1.5 rpm			
 approx. 57 seconds to reach 82° boom angle env. 57 s jusqu'à 82°			
 approx. 403 seconds for boom extension from 37 ft – 197 ft env. 403 s pour passer de 37 ft – 197 ft			

On-road driving

Déplacement sur route

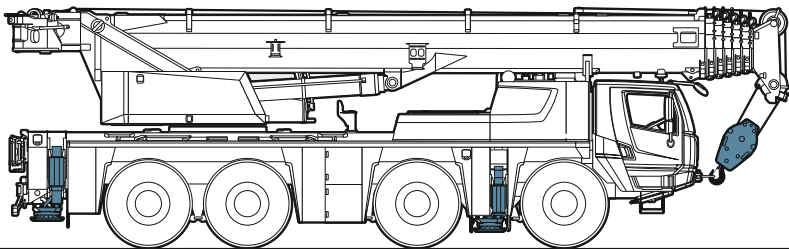
Option
option

Without outriggers
Sans poutres coulissantes



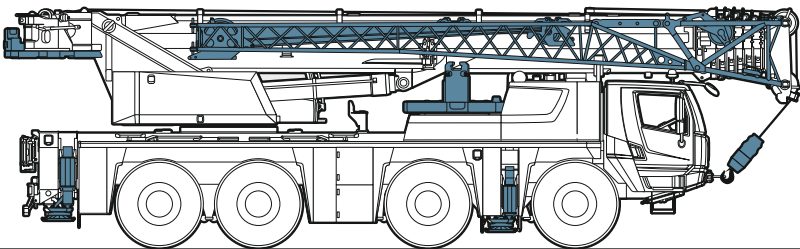
≤ 77,200 lb

≤ 18,750 lb ≤ 18,750 lb ≤ 20,950 lb ≤ 20,950 lb



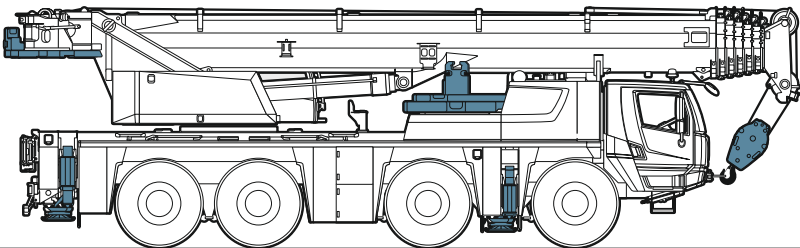
≤ 88,200 lb

≤ 22,050 lb ≤ 22,050 lb ≤ 22,050 lb ≤ 22,050 lb



≤ 105,800 lb

≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb



≤ 105,800 lb

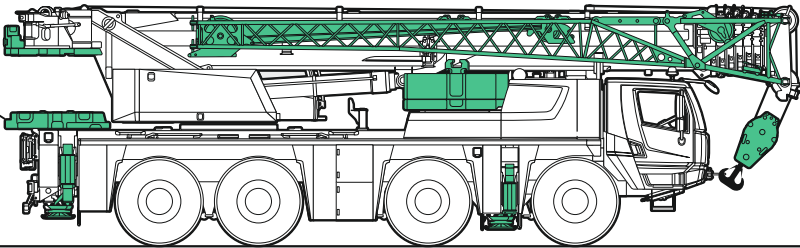
≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb ≤ 26,450 lb

Jobsite driving

Déplacement sur chantier

Option
option

8,600 lb



≤ 141,100 lb

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

US3782.01

Boom/jib combinations

Configurations de flèche

T	Telescopic boom • Flèche télescopique
K/NZK	Mechanically/hydraulically adjustable folding jib • Pointe pliante réglable mecaniquement/hydrauliquement
K	Mechanically adjustable assembly jib • Fléchette de montage réglable mécaniquement

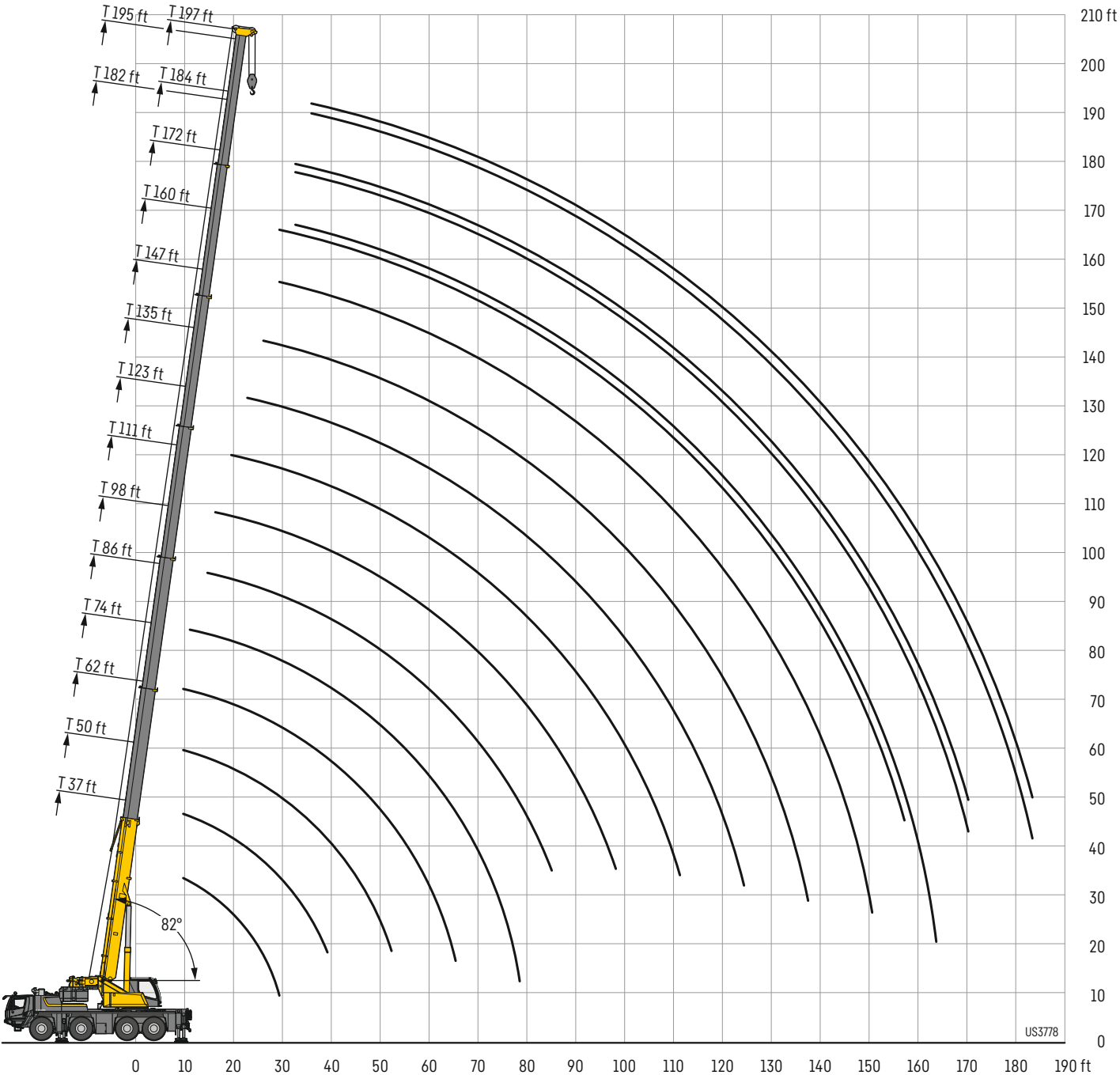


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Lifting heights

Hauteurs de levage

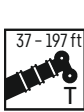
T



Lifting capacities

Forces de levage

T



85%

Preliminary
Préliminaire

Improved load capacity
Capacités de charge améliorées

	37 ft	50 ft	62 ft	74 ft	86 ft	98 ft	111 ft	123 ft	135 ft	147 ft	160 ft	172 ft	182 ft	184 ft	195 ft	197 ft	
	*																
10	220	130.4	130.4	130.4	105.9												10
11	141.2	130.4	130.1	126.8	105.9	80.6											11
12	132.4	127.4	125.6	120.7	105.8	80.6											12
13	123.9	121.8	118	113.4	104.8	80.6											13
14	116.1	115.7	112.4	107.8	102.7	80.6	67.4										14
15	111.1	110.1	106.8	101.7	98.4	80.6	67										15
16	106.6	104.9	101.6	96.7	93.5	80.4	66.4	54.2									16
17	102.5	100.1	97.8	92.8	89.5	79.7	65.7	53.7									17
18	98.7	95.7	94.1	89.5	86.2	79	64.8	53.3									18
19	94.9	91.5	90.9	86.4	82.7	78.2	64	52.8	42.5								19
20	91.5	87.8	87.6	83.6	79.9	77	63.2	52.2	42.5								20
22	84.6	81	82	78.2	76.4	73.5	61.6	51.2	42.2	33.6							22
24	77	74.5	75.8	73.4	71.7	68.7	60	50	41.9	33.5	24.1						24
26	70.5	68.7	70	69.1	67.8	64.8	58.4	48.9	41.7	33.4	25.7						26
28	65	63.4	64.5	64.5	63.9	61.4	56.7	47.8	41.3	33.2	25.5	20.3					28
30	56.9	56.9	59.7	60.5	60.3	58.1	54.7	46.7	40.9	32.8	25.2	20.1	13.9				30
32			55.4	56.2	56.3	55	52.7	45.6	40.2	32.2	24.8	19.9	16.1	10.9	11.7		32
34			51.5	52.2	52.2	52	50.6	44.5	39	31.3	24.3	19.6	15.9	12.1	13	9.3	34
36			47.9	48.7	48.8	48.3	48.7	43.5	37.7	30.6	23.8	19.4	15.8	12	12.9	10.4	36
38			45	45.3	45.5	45.1	45.9	42.5	36.3	29.8	23.3	19	15.6	12	12.9	10.4	38
40			42.1	42.4	42.5	42.5	43	41.4	35	29	22.8	18.7	15.4	11.8	12.7	10.3	40
45				36.2	36.5	37.3	36.9	36.2	32	27.3	21.1	17.7	14.8	11.5	12.4	10.1	45
50				32.1	32.5	32.3	31.9	31.3	29.2	25.7	19.5	16.6	13.9	11	12	9.9	50
55				26.6	28.5	28.4	28	27.4	26.6	24.2	17.9	15.5	12.5	10.4	11.4	9.6	55
60					25	24.9	24.4	23.9	23.1	22.7	16.5	14.5	11.7	9.8	10.8	9.3	60
65					22.1	22	21.5	20.9	21.4	20.9	15.3	13.5	11	9.2	10.2	8.9	65
70						19.5	19.1	19.1	19.2	18.4	14.1	12.6	10.4	8.8	9.6	8.5	70
75						17.5	16.9	17.7	17	16.3	13.4	11.7	9.8	8.3	9.2	8.1	75
80							15.9	15.9	15.2	14.5	12.8	10.8	9.3	7.9	8.8	7.8	80
85							14.8	14.3	13.6	12.9	12.2	10.1	8.9	7.5	8.4	7.5	85
90							13.4	12.9	12.2	11.4	11.7	9.5	8.4	7.1	8	7.1	90
95								11.6	10.9	10.8	10.7	8.9	8	6.8	7.6	6.8	95
100								10.5	9.8	10.2	9.6	8.6	7.6	6.5	7.3	6.5	100
105									9.4	9.3	8.7	8.3	7.3	6.2	7	6.2	105
110									9	8.5	8	8	6.9	5.9	6.7	6	110
115									8.4	7.9	7.4	7.4	6.6	5.6	6.3	5.7	115
120										7.2	7.2	6.8	6.4	5.3	6.1	5.5	120
125										6.7	6.8	6.3	6.1	5.1	5.8	5.2	125
130											6.3	5.9	5.8	4.9	5.5	5	130
135											5.8	5.7	5.3	4.7	5.1	4.8	135
140											5.4	5.3	5	4.5	4.7	4.6	140
145												4.9	4.7	4.3	4.3	4.3	145
150												4.5	4.4	4.1	3.9	4	150
155													4	4	3.6	3.7	155
160													3.7	3.7	3.3	3.3	160
165														3.4	2.9	3	165
170														3.2	2.6	2.7	170
175														2.9	2.3	2.4	175
180																2.1	180
185																1.8	185

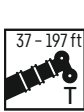
* ± 0° over rear - en arrière

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Lifting capacities

Forces de levage

T



85%

Preliminary
Préliminaire

Improved load capacity
Capacités de charge améliorées

	37 ft	50 ft	62 ft	74 ft	86 ft	98 ft	111 ft	123 ft	135 ft	147 ft	160 ft	172 ft	182 ft	184 ft	195 ft	197 ft	
10	130.4	130.4	130.4	105.9													10
11	130	130.1	126.8	105.9	80.6												11
12	126.2	125.6	120.7	105.8	80.6												12
13	119.8	118	113.4	104.8	80.6												13
14	113.3	112.4	107.8	102.7	80.6	67.4											14
15	107.8	106.8	101.7	98.4	80.6	67											15
16	102.7	101.6	96.7	93.5	80.4	66.4	54.2										16
17	98	97.8	92.8	89.5	79.7	65.7	53.7										17
18	93.7	94.1	89.5	86.2	79	64.8	53.3										18
19	89.6	90.3	86.4	82.7	78.2	64	52.8	42.5									19
20	85.5	86.7	83.6	79.9	77	63.2	52.2	42.5									20
22	78	79.2	77.9	76.4	73.5	61.6	51.2	42.2	33.6								22
24	70.9	72.3	72	71.7	68.7	60	50	41.9	33.5	24.1							24
26	64.6	66	66.8	66.7	64.7	58.4	48.9	41.7	33.4	25.7							26
28	59	60.3	61.2	61.1	60.5	56.7	47.8	41.3	33.2	25.5	20.3						28
30	53.9	55.4	56.2	56.4	55.9	54.7	46.7	40.9	32.8	25.2	20.1	13.9					30
32		51.5	51.9	52	51.5	51.8	45.6	40.2	32.2	24.8	19.9	16.1	10.9	11.7			32
34		47.6	48	48	48.7	48.6	44.5	39	31.3	24.3	19.6	15.9	12.1	13	9.3		34
36		44.2	44.5	44.6	45.4	45	43	37.7	30.6	23.8	19.4	15.8	12	12.9	10.4	10.1	36
38		41.1	41.5	42.2	42.5	42	41.3	36.3	29.8	23.3	19	15.6	12	12.9	10.4	10.1	38
40		38.4	39.4	39.8	39.7	39.2	38.8	35	29	22.8	18.7	15.4	11.8	12.7	10.3	10	40
45			33.4	33.7	33.6	33.2	32.5	31.4	27.3	21.1	17.7	14.8	11.5	12.4	10.1	9.9	45
50			28.5	28.9	28.7	28.3	27.7	26.9	25.7	19.5	16.6	13.9	11	12	9.9	9.6	50
55			24.6	24.9	24.9	24.4	23.8	24	23.6	17.9	15.5	12.5	10.4	11.4	9.6	9.4	55
60				21.8	21.6	21.1	21.6	21.3	20.5	16.5	14.5	11.7	9.8	10.8	9.3	9.1	60
65				19	18.9	18.8	19.3	18.5	17.8	15.3	13.5	11	9.2	10.2	8.9	8.8	65
70					16.6	17.4	16.9	16.2	15.4	14.1	12.6	10.4	8.8	9.6	8.5	8.4	70
75					15.3	15.4	14.9	14.2	13.5	13.4	11.7	9.8	8.3	9.2	8.1	8.1	75
80						13.7	13.2	12.5	12.5	12.4	10.8	9.3	7.9	8.8	7.8	7.7	80
85						12.3	11.8	11.2	11.5	10.8	9.9	8.9	7.5	8.4	7.5	7.4	85
90						11	10.5	10.7	10.2	9.6	9.3	8.4	7.1	8	7.1	7.1	90
95							9.5	9.7	9.2	8.7	8.8	8	6.8	7.6	6.8	6.8	95
100							9.2	8.9	8.4	8.3	7.9	7.4	6.5	7.3	6.5	6.5	100
105								8.1	7.6	7.7	7.2	7.1	6.2	6.9	6.2	6.2	105
110								7.5	7.3	7.1	6.9	6.5	5.9	6.3	6	5.9	110
115								6.9	6.9	6.5	6.4	6.2	5.6	5.7	5.6	5.5	115
120									6.4	6	5.8	5.6	5.3	5.1	5.2	5.1	120
125									5.9	5.8	5.3	5.1	5	4.6	4.7	4.6	125
130										5.3	5	4.7	4.7	4.2	4.2	4.1	130
135										4.9	4.6	4.2	4.3	3.7	3.8	3.7	135
140										4.5	4.2	3.8	3.9	3.3	3.4	3.3	140
145											3.8	3.5	3.5	3	3	3	145
150											3.5	3.1	3.2	2.5	2.6	2.5	150
155												2.7	2.8	2.2	2.3	2.2	155
160												2.4	2.4	1.8	1.9	1.8	160
165													2.1				165
170													1.8				170

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Lifting capacities
Forces de levage

T



37 - 197 ft

12 ft 4 in

15 ft 5 in

19,400 lb

85%

Preliminary
Préliminaire

Improved load capacity
Capacités de charge améliorées

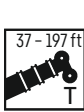
	37 ft	50 ft	62 ft	74 ft	86 ft	98 ft	103 ft	111 ft	117 ft	123 ft	129 ft	135 ft	142 ft	147 ft	156 ft	160 ft	168 ft	172 ft	182 ft	184 ft	195 ft	197 ft	
10	130.4	130.4	130.4	105.9																			10
11	127.9	129.6	126.8	105.9	80.6																		11
12	122.4	122.6	120.7	105.8	80.6																		12
13	116	115.8	113.4	104.8	80.6																		13
14	109.7	110.2	107.8	102.7	80.6	67.4																	14
15	104.3	105	101.7	98.4	80.6	67	27.7																15
16	98.6	99.4	96.7	93.5	80.4	66.4	27.7	54.2															16
17	93.4	94	92.8	89.5	79.7	65.7	27.7	53.7															17
18	88.1	88.8	88.7	86.2	79	64.8	27.6	53.3															18
19	82.9	84	84	82.5	78	64	27.1	52.8	23.4	42.5													19
20	78.2	79.6	79.5	78.9	75.9	63.2	26.6	52.2	22.9	42.5													20
22	69.5	70.9	71.8	72	67.8	61.6	25.3	51.2	21.9	42.2	21	33.6											22
24	62	63.7	64.5	64.3	61.6	59.1	24.2	50	20.9	41.9	20.3	33.5	18.6	24.1									24
26	55.8	58	58.4	57.9	56.4	53.2	23.1	48.6	20	41.7	19.6	33.4	18.2	25.7	14								26
28	50.2	52.4	52.9	53.2	51.5	48.6	22	45.6	19.1	41.3	18.9	33.2	17.6	25.5	14	20.3							28
30	45	47.3	48.7	49.2	47	44.3	21.1	41.7	18.2	39.2	18.2	32.8	17.1	25.2	14	20.1	12.7	13.9					30
32		43	44.3	44.8	43.1	41.1	20.2	38.4	17.5	36.6	17.5	32.2	16.6	24.8	13.9	19.9	12.6	16.1	10.9	11.7			32
34		39.2	40.5	40.8	40	37.9	19.4	35.5	16.8	34.2	16.8	31.3	16.1	24.3	13.9	19.6	12.5	15.9	12.1	13	9.3		34
36		35.7	37.1	37.6	37	35.1	18.7	33.1	16	31.6	16.2	30.6	15.6	23.8	13.6	19.4	12.4	15.8	12	12.9	10.4	10.1	36
38		32.6	33.9	34.5	34.2	32.6	18	30.9	15.4	30.4	15.6	28.6	15.1	23.3	13.3	19	12.2	15.6	12	12.9	10.4	10.1	38
40		29.9	31.2	31.7	31.5	30.4	17.3	28.8	14.8	28.6	15.1	26.6	14.6	22.8	13	18.7	12.1	15.4	11.8	12.7	10.3	10	40
45			25.7	26.1	26	25.5	15.8	25.9	13.4	24.2	13.8	22.5	13.5	20.8	12.2	17.7	11.5	14.8	11.5	12.4	10.1	9.9	45
50			21.5	21.9	21.7	22.6	14.5	22.1	12.2	20.6	12.7	19.1	12.5	17.8	11.5	16.6	10.9	13.9	11	12	9.9	9.6	50
55			18.2	18.5	19.4	19.3	13.3	18.6	11.1	17.6	11.7	16.6	11.6	16.3	10.8	14.8	10.4	12.5	10.4	11.4	9.6	9.4	55
60				16.1	16.6	16.3	12.3	15.7	10.3	15	10.8	15.1	10.7	14.2	10.2	12.9	9.8	11.7	9.8	10.8	9.3	9.1	60
65				14.2	14.2	13.9	11.4	13.3	9.5	13.7	10.1	12.9	10	12.1	9.6	11.8	9.3	10.8	9.2	10.2	8.9	8.8	65
70				12.3	12	10.7	12.3	8.8	11.8	9.4	11	9.2	10.9	9.1	10.3	8.8	9.7	8.8	8.8	8.5	8.5	8.4	70
75				10.6	10.7	10	10.7	8.3	10.1	8.8	10	8.7	9.4	8.7	9.2	8.3	8.8	8.3	8.4	8.1	8.1	8.1	75
80					9.6	9.5	9.3	7.8	9	8.4	8.9	8.2	8.7	8.2	8.3	7.9	7.9	7.7	7.4	7.2	7.2	7.2	80
85					8.6	8.7	8.3	7.4	8.3	7.9	7.9	7.7	7.7	7.8	7.3	7.4	7	7	6.4	6.5	6.4	6.4	85
90					7.8	7.9	7.5	7	7.5	7.5	7.1	7.2	6.9	7	6.5	6.5	6.1	6.1	5.5	5.6	5.5	5.5	90
95						7.1	6.8	6.6	6.7	6.8	6.3	6.4	6.1	6.2	5.7	5.8	5.3	5.4	4.8	4.9	4.8	4.8	95
100							6.1	6.2	6	6.1	5.7	5.7	5.4	5.5	5	5.1	4.7	4.7	4.1	4.2	4.1	4.1	100
105								5.5	5.4	5.5	5	5.1	4.8	4.9	4.5	4.5	4.1	4.1	3.6	3.6	3.5	3.5	105
110								5	4.9	5	4.5	4.6	4.3	4.4	3.9	4	3.5	3.6	3	3	2.9	2.9	110
115									4.4	4.5	4	4.1	3.8	3.9	3.4	3.5	3.1	3.1	2.5	2.5	2.4	2.4	115
120										4	3.6	3.7	3.4	3.5	3	3.1	2.6	2.7	2	2	1.9	1.9	120
125											3.2	3.3	3	3.1	2.5	2.7	2.2	2.3					125
130													2.9	2.5	2.7	2.1	2.2		1.8				130
135														2.1	2.3								135
140														1.8	1.9								140

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Lifting capacities

Forces de levage

T



85%

Preliminary
Préliminaire

Improved load capacity
Capacités de charge améliorées

	37 ft	50 ft	62 ft	74 ft	86 ft	98 ft	103 ft	111 ft	117 ft	123 ft	129 ft	135 ft	142 ft	147 ft	156 ft	160 ft	168 ft	172 ft	182 ft	184 ft	195 ft	197 ft	
10	130.4	130.4	130.4	105.9																			10
11	127.5	128.9	126.8	105.9	80.6																		11
12	121.7	121.9	120.7	105.8	80.6																		12
13	115.4	115.1	113.4	104.8	80.6																		13
14	109	109.4	107.8	102.7	80.6	67.4																	14
15	103.2	104	101.7	98.4	80.6	67	27.7																15
16	97.4	98.3	96.7	93.5	80.4	66.4	27.7	54.2															16
17	92.1	92.8	92.3	89.5	79.7	65.7	27.7	53.7															17
18	86.5	87.3	87.5	85.9	79	64.8	27.6	53.3															18
19	81.2	82.8	82.5	80.6	77.6	64	27.1	52.8	23.4	42.5													19
20	76.4	77.9	77.9	77.3	72.9	63.2	26.6	52.2	22.9	42.5													20
22	67.7	69.2	70	68.7	64.4	61.6	25.3	51.2	21.9	42.2	21	33.6											22
24	60.3	62.2	62.8	61	59.2	56.1	24.2	50	20.9	41.9	20.3	33.5	18.6	24.1									24
26	54	56.3	56.7	56	53.5	50.5	23.1	47.3	20	41.7	19.6	33.4	18.2	25.7	14								26
28	48.1	50.4	51.9	51.1	48.9	46.1	22	43.1	19.1	40.1	18.9	33.2	17.6	25.5	14	20.3							28
30	43.1	45.4	46.8	46.8	44.6	42	21.1	39.5	18.2	37.6	18.2	32.8	17.1	25.2	14	20.1	12.7	13.9					30
32		41.2	42.6	42.9	40.9	38.9	20.2	36.3	17.5	34.8	17.5	32.2	16.6	24.8	13.9	19.9	12.6	16.1	10.9	11.7			32
34		37.3	38.7	39.1	37.8	35.7	19.4	33.6	16.8	32.4	16.8	31.2	16.1	24.3	13.9	19.6	12.5	15.9	12.1	13	9.3		34
36		33.9	35.3	35.7	34.9	32.9	18.7	31.1	16	30.6	16.2	28.7	15.6	23.8	13.6	19.4	12.4	15.8	12	12.9	10.4	10.1	36
38		30.9	32.2	32.7	32.4	30.5	18	29.5	15.4	28.5	15.6	26.6	15.1	23.3	13.3	19	12.2	15.6	12	12.9	10.4	10.1	38
40		28.3	29.6	30	29.9	28.3	17.3	28.1	14.8	26.6	15.1	24.7	14.6	22.6	13	18.7	12.1	15.4	11.8	12.7	10.3	10	40
45			24.3	24.6	24.6	25.1	15.8	24.1	13.4	22.4	13.8	20.7	13.5	19.1	12.2	17.7	11.5	14.8	11.5	12.4	10.1	9.9	45
50			20.2	20.6	21.2	21.3	14.5	20.4	12.2	19.1	12.7	17.7	12.5	17.3	11.5	16	10.9	13.9	11	12	9.9	9.6	50
55			17	17.4	18.1	17.8	13.3	17.1	11.1	16.4	11.7	16.4	11.6	15.1	10.8	13.8	10.4	12.5	10.4	11.4	9.6	9.4	55
60				15.2	15.2	15	12.3	14.4	10.3	14.6	10.8	13.8	10.7	12.9	10.2	12.7	9.8	11.5	9.8	10.8	9.3	9.1	60
65				13	13	12.7	11.4	13	9.5	12.5	10.1	11.9	10	11.6	9.6	11	9.3	10.2	9.2	10.2	8.9	8.8	65
70					11.2	11.4	10.7	11.2	8.8	10.7	9.4	10.5	9.2	10	9.1	9.7	8.8	9.3	8.8	8.7	8.5	8.4	70
75					9.6	9.9	10	9.6	8.3	9.6	8.8	9.2	8.7	9	8.7	8.6	8.3	8.2	8	7.6	7.5	7.3	75
80						8.8	8.9	8.5	7.8	8.5	8.4	8.1	8.2	7.9	8	7.5	7.5	7.1	7.1	6.5	6.5	6.4	80
85						7.8	7.9	7.6	7.4	7.5	7.6	7.2	7.3	6.9	7.1	6.5	6.6	6.2	6.2	5.6	5.6	5.5	85
90						7	7.1	6.8	6.8	6.7	6.8	6.3	6.4	6.1	6.2	5.7	5.8	5.4	5.3	4.8	4.8	4.7	90
95							6.4	6	6.1	6	6	5.6	5.7	5.4	5.5	5	5.1	4.6	4.7	4.1	4.1	4	95
100								5.4	5.4	5.3	5.4	5	5	4.7	4.9	4.3	4.4	4	4	3.4	3.4	3.3	100
105									4.9	4.7	4.8	4.4	4.5	4.1	4.3	3.8	3.9	3.4	3.5	2.8	2.8	2.7	105
110									4.4	4.3	4.3	3.9	4	3.7	3.8	3.3	3.4	2.9	3	2.2	2.3	2.1	110
115										3.8	3.9	3.5	3.5	3.2	3.3	2.8	2.9	2.5	2.5				115
120											3.5	3	3.1	2.8	2.9	2.4	2.5	2	2				120
125												2.6	2.7	2.3	2.5	1.9	2.1						125
130													2.3	1.9	2.1								130
135																							135

maxt_312_001_00321_00_000_t_312_001_00361_00_000

Lifting capacities

Forces de levage

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85%

Preliminary
Préliminaire

Improved load capacity
Capacités de charge améliorées

	37 ft	50 ft	62 ft	74 ft	86 ft	98 ft	103 ft	111 ft	117 ft	123 ft	129 ft	135 ft	142 ft	147 ft	156 ft	160 ft	168 ft	172 ft	182 ft	184 ft	195 ft	197 ft	
10	101.8	101.8	102.4	100.2																			10
11	96.2	96.5	96.6	95.1	80.6																		11
12	90.9	91.6	91.9	90.4	80.6																		12
13	86.3	86.6	87	86.2	80.6																		13
14	81.8	82.6	82.6	82.2	79.3	67.4																	14
15	77.9	78.8	78.8	78.4	76.8	67	27.7																15
16	74.2	75.2	75.7	75.8	72.1	64.5	27.7	54.2															16
17	70.8	71.8	72.3	72.1	66.4	63.9	27.7	53.7															17
18	66.9	68.5	68.6	67	62.6	59.6	27.6	52.6															18
19	62.1	64.1	64.6	62.9	59.9	55.5	27.1	50.5	23.4	42.5													19
20	57.9	60.3	61.6	59.5	56	52	26.6	47.3	22.9	42.5													20
22	50.4	52.8	54.1	52.4	49	45.2	25.3	41.8	21.9	39	21	33.6											22
24	43.9	46.4	47.7	45.7	42.6	40	24.2	37.8	20.9	35.7	20.3	32.2	18.6	24.1									24
26	38.7	41.1	42.3	40.4	37.7	36	23.1	34.6	20	31.8	19.6	29.2	18.2	25.2	14								26
28	34.3	36.6	37.4	35.8	33.9	33.4	22	31	19.1	28.4	18.9	25.8	17.6	23.5	14	20.3							28
30	30.6	32.8	33.3	32.2	31.1	30	21.1	27.9	18.2	25.8	18.2	23.8	17.1	22.6	14	19.9	12.7	13.9					30
32		29.5	30	28.9	28.8	27.3	20.2	25	17.5	23.1	17.5	22.6	16.6	20.5	13.9	18.4	12.6	16.1	10.9	11.7			32
34		26	26.9	26.2	26.1	24.6	19.4	22.7	16.8	22.1	16.8	20.6	16.1	18.8	13.9	17.4	12.5	15.5	12.1	13	9.3		34
36		23	24.2	24.6	23.6	22.2	18.7	21	16	20.3	16.2	18.8	15.6	17.7	13.6	16.3	12.4	14.5	12	12.9	10.4	10.1	36
38		20	21.6	22.3	21.5	20.3	18	19.9	15.4	18.6	15.6	17.6	15.1	16.4	13.3	15.6	12.2	13.4	12	12.9	10.4	10.1	38
40		17.6	19.2	20.3	19.6	18.6	17.3	18.5	14.8	17.1	15.1	16.5	14.6	15.7	13	14.4	12.1	12.8	11.8	11.9	10.3	10	40
45			14.3	15.6	15.7	16	15.6	15.1	13.4	14.6	13.8	13.7	13.5	12.8	12.2	11.9	11.5	10.9	10.6	9.8	9.5	9.2	45
50			10.9	12.1	12.3	12.7	12.9	12.4	12.1	12.1	12.1	11.3	11.2	10.6	10.6	9.7	9.6	8.8	8.6	7.8	7.6	7.5	50
55			8.6	9.5	9.7	10.1	10.3	9.8	9.9	9.7	9.9	9.2	9.3	8.7	8.8	7.9	7.9	7.2	7.1	6.1	6.1	5.9	55
60				7.8	8	8.3	8.4	8.1	8.2	8	8.1	7.6	7.7	7.2	7.3	6.5	6.5	5.8	5.7	4.8	4.8	4.6	60
65				6.5	6.7	7	7.1	6.8	6.8	6.7	6.8	6.3	6.4	6	6.1	5.3	5.3	4.6	4.6	3.7	3.7	3.6	65
70					5.6	5.9	6	5.7	5.7	5.6	5.7	5.2	5.3	4.9	5	4.3	4.3	3.6	3.6	2.8	2.7	2.6	70
75					4.7	4.9	5.1	4.8	4.8	4.7	4.8	4.3	4.4	4	4.1	3.4	3.4	2.8	2.7				75
80						4.2	4.3	4	4.1	3.9	4	3.6	3.7	3.2	3.3	2.6	2.7	1.9	1.9				80
85						3.6	3.7	3.4	3.4	3.3	3.4	2.9	3	2.5	2.7	1.8	1.9						85
90						3	3.1	2.8	2.9	2.7	2.8	2.3	2.4	1.8	2								90
95							2.5	2.2	2.3	2.2	2.3		1.8										95
100									1.8		1.8												100

maxt_312_001_00368_00_000

Lifting capacities – on tyres
Forces de levage – sur pneus

T

37 – 62 ft
T

15 ft 5 in

85%

Preliminary
Préliminaire

	37 ft	50 ft	62 ft	
10	35.5	35	32.4	10
11	31.6	32.3	30.4	11
12	28.1	30	28.4	12
13	25.4	27.5	26.5	13
14	22.8	25.3	24.7	14
15	20.6	22.9	23.2	15
16	18.6	21	21.7	16
17	17	19.3	20.4	17
18	15.4	17.7	19	18
19	14	16.4	17.6	19
20	12.8	15.1	16.4	20
22	10.6	12.8	14.1	22
24	8.8	11	12.3	24
26	7.2	9.4	10.7	26
28	5.8	8	9.3	28
30	4.5	6.8	8.1	30
32		5.8	7	32
34		4.8	6.1	34
36		3.7	5.3	36
38		2.7	4.4	38
40		2	3.6	40
45			1.8	45

0° = over rear · en arrière

maxt_312_001_60121_00_000_t_312_001_70121_00_000

37 – 62 ft
T

12 ft 4 in

85%

Preliminary
Préliminaire

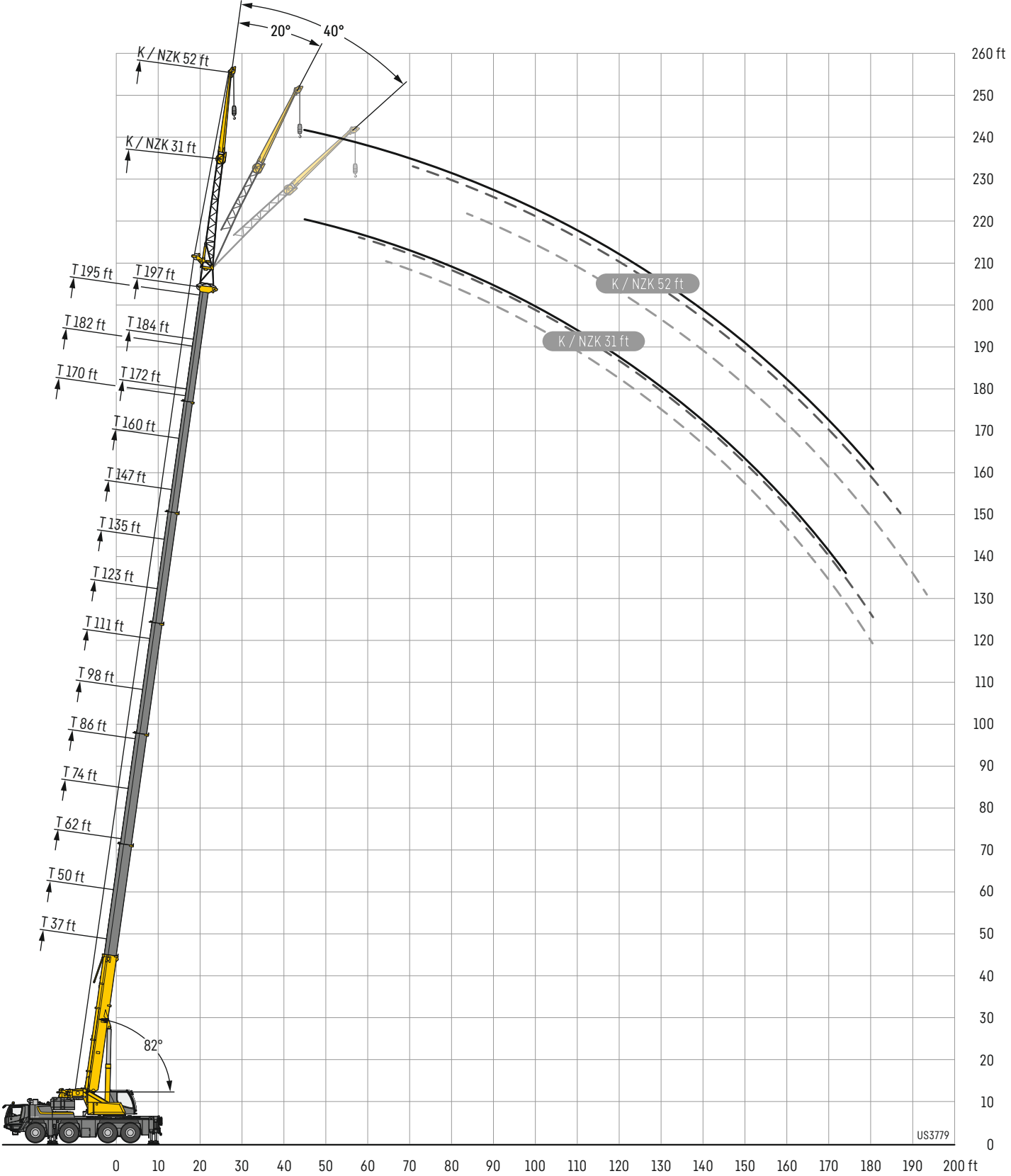
	37 ft	50 ft	62 ft	
10	32.4	32.6	30.7	10
11	28.7	30.1	28.4	11
12	25.5	27.8	26.5	12
13	22.9	25.1	24.7	13
14	20.5	23	23	14
15	18.5	20.8	21.5	15
16	16.6	19	20.1	16
17	15.1	17.4	18.6	17
18	13.6	15.9	17.2	18
19	12.3	14.6	15.9	19
20	11.1	13.4	14.7	20
22	9.1	11.3	12.6	22
24	7.4	9.6	10.9	24
26	5.8	8.1	9.4	26
28	4.1	6.8	8.1	28
30	2.8	5.7	6.9	30
32		4.5	6	32
34		3.3	5.1	34
36		2.4	4.1	36
38			3.2	38
40			2.3	40

0° = over rear · en arrière

maxt_312_001_60161_00_000_t_312_001_70161_00_000

Lifting heights

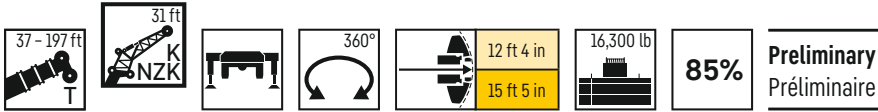
Hauteurs de levage



Lifting capacities

Forces de levage

TK/TNZK



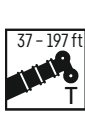
	37 ft			50 ft			62 ft			74 ft			86 ft			98 ft			111 ft			123 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	27.7			27.7			27.7			27.7															12
13	27.7			27.7			27.7			27.7															13
14	27.7	23.1		27.7			27.7			27.7			26.3												14
15	27.7	22.6		27.7			27.7			27.7			26.3			24.5									15
16	27.7	22.1		27.7			27.7			27.7			26.3			24.7									16
17	27.7	21.6		27.7			27.7			27.6			26.3			24.7									17
18	27.7	21.1		27.7	21.1		27.7			27.5			26.2			24.8			22.5						18
19	27.7	20.6		27.7	20.7		27.7	20.7		27.2			26			24.8			22.6						19
20	27.5	20		27.7	20.3		27.7	20.4		27			25.9			24.7			22.6						20
22	26.3	18.8	12.8	27.4	19.5		27.2	19.8		26.5	19.8		25.5			24.5			22.7			19.9			22
24	24.3	17.7	12.3	26.3	18.5	12.4	26.5	19.2		26	19.4		25.1	19.3		24.2			22.6			19.9			24
26	22.2	16.7	11.8	25	17.6	12	25.7	18.4		25.4	18.9		24.7	18.9		23.9			22.4			19.9			26
28	20.5	15.8	11.4	23.6	16.8	11.7	24.8	17.6	11.9	24.9	18.2	12.1	24.3	18.5		23.6	18.5		22.2	18.1		19.9			28
30	18.9	15	11	21.9	16	11.3	23.9	16.9	11.6	24.3	17.5	11.8	23.8	18	11.9	23.2	18.1		21.9	17.9		19.8			30
32	17.3	14.2	10.6	20.3	15.3	11	22.8	16.2	11.3	23.5	16.9	11.5	23.3	17.4	11.7	22.7	17.7		21.6	17.5		19.6	16.8		32
34	16	13.5	10.3	19	14.7	10.7	21.6	15.6	11	22.7	16.3	11.2	22.8	16.8	11.4	22.3	17.3	11.6	21.3	17.2		19.3	16.6		34
36	14.9	13	10	17.8	14.1	10.4	20.3	15	10.8	21.9	15.7	11	22.2	16.3	11.2	21.9	16.8	11.3	21	16.9	11.5	19.1	16.3		36
38	13.9	12.4	9.8	16.7	13.5	10.2	19.1	14.5	10.5	21	15.2	10.8	21.6	15.8	11	21.5	16.3	11.1	20.6	16.6	11.3	18.9	16.1	11.2	38
40	12.9	11.9	9.5	15.6	13	9.9	18	14	10.3	20	14.8	10.6	21	15.4	10.8	21	15.8	11	20.3	16.2	11.1	18.7	15.8	11.1	40
45	11.1	10.8	9.1	13.5	11.9	9.4	15.8	12.9	9.8	17.7	13.7	10.1	19.3	14.3	10.3	19.9	14.8	10.5	19.5	15.2	10.6	18.1	15.2	10.7	45
50	9.7	9.9	8.8	11.8	10.9	9.1	13.8	11.9	9.4	15.8	12.7	9.7	17.3	13.4	9.9	18.6	13.9	10.1	18.7	14.3	10.3	17.5	14.5	10.3	50
55	8.6	9.2	8.7	10.4	10.2	8.9	12.3	11.1	9.1	14.1	11.9	9.3	15.6	12.6	9.6	17	13.1	9.8	17.8	13.5	9.9	17	13.7	10	55
60	7.7	8.9		9.4	9.6	8.7	11.1	10.4	8.9	12.7	11.2	9.1	14.2	11.8	9.3	15.5	12.4	9.5	16.5	12.9	9.6	16.4	13	9.7	60
65				8.5	9.2	8.7	10	9.8	8.7	11.5	10.6	8.9	12.9	11.2	9.1	14.3	11.8	9.2	15.1	12.2	9.4	15.5	12.4	9.5	65
70				7.9	8.9		9.2	9.4	8.7	10.5	10	8.8	11.9	10.7	8.9	13.1	11.2	9.1	14.1	11.7	9.2	14.5	11.9	9.3	70
75							8.5	9.1	8.7	9.7	9.6	8.7	10.9	10.2	8.8	12.1	10.7	8.9	13.1	11.2	9	13.6	11.4	9.1	75
80							8	8.9		9	9.3	8.7	10.1	9.8	8.7	11.2	10.3	8.8	12.1	10.7	8.9	12.7	11	9	80
85							7.5	8.9		8.5	9	8.7	9.5	9.4	8.7	10.4	9.9	8.7	11.4	10.3	8.8	12	10.6	8.9	85
90										8	8.9	4.5	8.9	9.2	8.7	9.8	9.6	8.7	10.7	9.9	8.7	11.1	10.2	8.8	90
95										7.6	8.9		8.4	9	8.7	9.2	9.3	8.6	10	9.6	8.7	10.3	9.9	8.7	95
100													8	8.9	5	8.8	9.1	8.6	9.5	9.4	8.6	9.3	9.5	8.6	100
105													7.7	8.8		8.4	8.9	8.6	8.8	9.1	8.6	8.5	8.9	8.6	105
110													7.4			8	8.8	5.5	8.1	8.4	8.5	7.8	8.1	8.3	110
115																7.7	8.2		7.4	7.7	7.8	7.5	7.4	7.6	115
120																7.5	7.5		6.8	7	5.9	7	7.1	7.1	120
125																			6.3	6.4		6.5	6.7	6.8	125
130																			5.8	5.9		6	6.2	6	130
135																			5			5.5	5.7		135
140																						5.1	5.2		140
145																						4.7	4.8		145

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Lifting capacities

Forces de levage

TK/TNZK



85%

Preliminary
Préliminaire

	135 ft			147 ft			160 ft			170 ft			172 ft			182 ft			184 ft			195 ft			197 ft			
	K/NZK 31 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°*	
24	16.9																											24
26	17																											26
28	17				12.9																							28
30	17				13			10.2																				30
32	17				13			10.3																				32
34	16.9	11.3		13.1				10.3			7.1			8.3														34
36	16.7	15.2		13.1				10.4			7.1			8.3														36
38	16.6	15.1		13.1	12.8			10.4			7.1			8.4			6.4		6.8									38
40	16.4	14.9		13.1	12.7			10.4			7.1			8.4			6.4		6.9			5.7						40
45	16.1	14.4	10.6	13.1	12.5			10.4	10.5		7.1			8.5	8.4		6.4		6.9			5.7				5.6		45
50	15.7	14	10.3	12.8	12.3	11.7	10.2	10.3	7.9	7	6.9		8.4	8.3		6.4	6.2		6.9	6.7		5.7			5.6			50
55	15.3	13.4	10	12.4	12.1	11.4	9.9	9.9	9.9	6.8	6.7	6.6	8.2	8.2	8.2	6.4	6.2		6.8	6.7		5.7	5.7		5.6	5.5		55
60	14.6	12.9	9.7	11.8	11.6	11.1	9.6	9.6	9.5	6.6	6.5	6.4	8	8	8	6.3	6.2	6.2	6.7	6.7	6.6	5.7	5.6		5.5	5.5		60
65	13.6	12.4	9.5	11.1	10.9	10.8	9.2	9.1	9.1	6.4	6.2	6.2	7.8	7.7	7.7	6.1	6	6	6.6	6.5	6.4	5.6	5.6	5.7	5.5	5.5	5.6	65
70	12.6	11.9	9.3	10.5	10.3	10.3	8.8	8.7	8.7	6.1	6	5.9	7.6	7.5	7.4	5.9	5.8	5.8	6.4	6.3	6.2	5.5	5.5	5.6	5.4	5.4	5.5	70
75	11.7	11.3	9.1	9.9	9.7	9.7	8.4	8.3	8.4	5.9	5.8	5.7	7.3	7.2	7.2	5.8	5.6	5.6	6.2	6.1	6.1	5.4	5.4	5.4	5.3	5.3	5.3	75
80	10.8	10.7	9	9.3	9.1	9.2	8	8	8	5.7	5.5	5.5	7	6.9	6.9	5.6	5.4	5.4	6	5.9	5.9	5.3	5.2	5.2	5.2	5.2	5.2	80
85	10.1	10.1	8.9	8.8	8.7	8.8	7.6	7.6	7.6	5.4	5.3	5.3	6.7	6.6	6.6	5.3	5.2	5.2	5.8	5.7	5.7	5.1	5.1	5.1	5.1	5	5	85
90	9.5	9.5	8.8	8.3	8.3	8.4	7.3	7.3	7.3	5.2	5.1	5.1	6.4	6.4	6.4	5.1	5	5	5.6	5.5	5.5	4.9	4.9	4.9	4.9	4.9	4.9	90
95	9	8.9	8.7	7.9	7.9	8	6.9	6.9	7	4.9	4.9	4.9	6.1	6.1	6.1	4.9	4.9	4.9	5.4	5.3	5.3	4.7	4.8	4.8	4.7	4.7	4.7	95
100	8.6	8.4	8.5	7.4	7.5	7.6	6.6	6.6	6.7	4.7	4.7	4.8	5.8	5.8	5.9	4.7	4.7	4.7	5.2	5.2	5.2	4.6	4.6	4.6	4.5	4.6	4.6	100
105	8.3	8	8.1	7	7.1	7.2	6.3	6.3	6.4	4.4	4.5	4.6	5.6	5.6	5.7	4.5	4.5	4.5	5	5	5	4.4	4.4	4.5	4.3	4.4	4.4	105
110	7.7	7.7	7.6	6.6	6.7	6.8	6	6	6.1	4.2	4.3	4.3	5.3	5.4	5.4	4.2	4.3	4.4	4.8	4.8	4.8	4.2	4.2	4.3	4.2	4.2	4.3	110
115	7.1	7.4	7.4	6.3	6.4	6.5	5.7	5.7	5.8	4	4.1	4.1	5.1	5.1	5.2	4	4.1	4.2	4.6	4.6	4.7	4	4.1	4.1	4	4	4.1	115
120	6.5	6.7	6.9	5.9	6	6.1	5.4	5.5	5.5	3.7	3.8	3.9	4.9	4.9	5	3.8	3.9	4	4.4	4.4	4.5	3.8	3.9	3.9	3.8	3.9	3.9	120
125	5.9	6.2	6.3	5.4	5.7	5.8	5.1	5.2	5.3	3.5	3.6	3.7	4.6	4.7	4.8	3.6	3.7	3.8	4.2	4.3	4.3	3.6	3.7	3.8	3.6	3.7	3.8	125
130	5.4	5.6	5.8	4.9	5.2	5.3	4.8	4.9	5	3.3	3.4	3.5	4.4	4.5	4.5	3.5	3.5	3.6	4	4.1	4.1	3.5	3.5	3.6	3.5	3.5	3.6	130
135	4.9	5.1	5.2	4.8	4.7	4.8	4.5	4.7	4.7	3.2	3.2	3.3	4.2	4.3	4.3	3.3	3.4	3.4	3.8	3.9	3.9	3.3	3.4	3.4	3.3	3.4	3.4	135
140	4.5	4.7	4.7	4.6	4.5	4.6	4.1	4.3	4.5	3	3.1	3.1	4	4.1	4.1	3.1	3.2	3.3	3.7	3.7	3.8	3.2	3.2	3.3	3.2	3.2	3.3	140
145	4.3	4.3		4.3	4.4	4.5	4	3.9	4	2.8	2.9	2.9	3.8	3.9	3.9	3	3	3.1	3.5	3.6	3.6	3	3.1	3.1	3	3.1	3.1	145
150	4.2	4.2		3.9	4.1	4.1	3.9	3.8	3.9	2.6	2.7	2.7	3.6	3.6	3.7	2.8	2.9	2.9	3.4	3.4	3.5	2.9	2.9	3	2.9	2.9	3	150
155	4.1	4.2		3.6	3.7	3.7	3.6	3.7	3.7	2.5	2.5	2.6	3.4	3.4	3.5	2.7	2.7	2.8	3.2	3.3	3.3	2.8	2.8	2.8	2.7	2.8	2.9	155
160				3.5	3.5		3.2	3.4	3.5	2.3	2.4	2.4	3.2	3.3	3.3	2.5	2.6	2.6	2.9	3.1	3.2	2.6	2.7	2.7	2.6	2.7	2.7	160
165				3.4	3.4		3	3.1	3.1	2.2	2.2	2.3	2.8	3	3.1	2.4	2.4	2.5	2.5	2.8	2.9	2.5	2.5	2.6	2.4	2.5	2.6	165
170				3.2	3.2		2.9	2.9		2.1	2.1	2.1	2.7	2.7	2.8	2.3	2.3	2.3	2.2	2.4	2.5	2.2	2.4	2.5	2.1	2.4	2.4	170
175							2.8	2.8		1.9	2	2	2.4	2.6	2.6	2.1	2.2	2.2	1.9	2.1	2.2	1.9	2.1	2.2	1.8	2	2.1	175
180							2.5	2.5		1.8	1.9		2.1	2.3		2	2.1	2.1	1.6	1.7	1.8	1.6	1.8	1.9	1.5	1.7	1.8	180
185										1.7	1.7		1.8	2		1.8	1.9	1.9		1.4	1.5		1.5	1.6		1.4	1.5	185
190										1.7	1.7		1.6	1.6		1.6	1.7											190
195													1.3					1.4										195

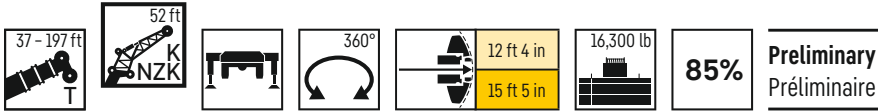
* only possible in TNZK mode - uniquement possible en cas de fonctionnement de la pointe pliante hydraulique de la flèche télescopique (TNZK)

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Lifting capacities

Forces de levage

TK/TNZK



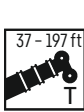
	37 ft			50 ft			62 ft			74 ft			86 ft			98 ft			111 ft			123 ft			
	K/NZK 52 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	13.6			12.8			12.2																		12
13	13.4			12.7			12.2																		13
14	13.2			12.6			12.2			11.7															14
15	13			12.4			12.1			11.7															15
16	12.9			12.3			12			11.7			11.2												16
17	12.7			12.2			11.9			11.6			11.3												17
18	12.5			12			11.8			11.5			11.3			10.9									18
19	12.3			11.9			11.7			11.4			11.2			10.9									19
20	12.1			11.8			11.6			11.4			11.1			10.9			10.3						20
22	11.7			11.5			11.4			11.2			11			10.8			10.4						22
24	11.2			11.2			11.1			11			10.8			10.7			10.3			9.5			24
26	10.8	8.4		10.8			10.8			10.8			10.7			10.5			10.1			9.5			26
28	10.3	8.1		10.5	8.1		10.6			10.5			10.4			10.3			10			9.4			28
30	9.9	7.8		10.1	7.9		10.3	7.9		10.3			10.3			10.2			9.9			9.3			30
32	9.5	7.6		9.8	7.7		10	7.7		10.1	7.8		10			10			9.7			9.3			32
34	9.1	7.4		9.4	7.5		9.7	7.6		9.8	7.6		9.8	7.6		9.8			9.6			9.2			34
36	8.8	7.2		9.1	7.3		9.4	7.4		9.6	7.5		9.6	7.5		9.6			9.4			9.1			36
38	8.5	7	5.9	8.9	7.1		9.2	7.2		9.4	7.3		9.4	7.3		9.4	7.4		9.3	7.4		9			38
40	8.2	6.8	5.8	8.6	6.9	5.8	8.9	7.1		9.2	7.2		9.3	7.2		9.3	7.3		9.2	7.3		8.9			40
45	7.5	6.4	5.6	8	6.6	5.6	8.4	6.7	5.6	8.6	6.8	5.6	8.8	6.9		8.9	7		8.9	7		8.6	6.9		45
50	6.7	6.1	5.3	7.4	6.2	5.4	7.8	6.4	5.4	8.1	6.5	5.5	8.4	6.6	5.5	8.5	6.7	5.5	8.5	6.7		8.3	6.7		50
55	6	5.8	5	6.8	6	5.2	7.3	6.1	5.3	7.7	6.3	5.3	7.9	6.4	5.4	8.1	6.5	5.4	8.2	6.5	5.4	8.1	6.5	5.4	55
60	5.5	5.5	4.9	6.2	5.7	5	6.9	5.9	5.1	7.3	6	5.2	7.6	6.2	5.2	7.8	6.2	5.3	7.9	6.3	5.3	7.8	6.3	5.3	60
65	5	5.2	4.7	5.7	5.5	4.8	6.4	5.7	4.9	6.8	5.8	5.1	7.2	5.9	5.1	7.4	6	5.2	7.6	6.1	5.2	7.5	6.1	5.2	65
70	4.6	5	4.6	5.3	5.3	4.7	5.9	5.5	4.8	6.4	5.6	4.9	6.8	5.7	5	7.1	5.9	5	7.3	5.9	5.1	7.3	5.9	5.1	70
75	4.3	4.8	4.5	4.9	5.1	4.6	5.5	5.3	4.7	6	5.5	4.8	6.5	5.6	4.9	6.8	5.7	4.9	7	5.7	5	7	5.8	5	75
80	3.9	4.6		4.5	4.9	4.5	5.1	5.1	4.6	5.6	5.3	4.7	6.1	5.4	4.8	6.5	5.5	4.8	6.7	5.6	4.9	6.8	5.6	4.9	80
85				4.2	4.7	4.5	4.8	5	4.5	5.3	5.2	4.6	5.8	5.3	4.7	6.2	5.4	4.8	6.4	5.5	4.8	6.5	5.5	4.8	85
90				4	4.6		4.5	4.8	4.5	5	5	4.6	5.4	5.1	4.6	5.9	5.2	4.7	6.2	5.3	4.7	6.3	5.4	4.8	90
95				3.8			4.3	4.7	4.5	4.7	4.9	4.5	5.2	5	4.6	5.6	5.1	4.6	5.9	5.2	4.7	6.1	5.3	4.7	95
100							4	4.6	4.2	4.5	4.8	4.5	4.9	4.9	4.5	5.3	5	4.6	5.6	5.1	4.6	5.9	5.1	4.6	100
105							3.8	4.6		4.2	4.7	4.5	4.6	4.9	4.5	5	4.9	4.5	5.4	5	4.5	5.6	5.1	4.6	105
110										4.1	4.6	4.5	4.4	4.8	4.5	4.8	4.9	4.5	5.1	4.9	4.5	5.4	5	4.5	110
115										3.9	4.6		4.2	4.7	4.5	4.6	4.8	4.5	4.9	4.9	4.5	5.2	4.9	4.5	115
120													4.1	4.6	4.5	4.4	4.7	4.5	4.7	4.8	4.5	5	4.8	4.5	120
125													3.9	4.6		4.2	4.7	4.5	4.5	4.8	4.5	4.8	4.8	4.5	125
130													3.8			4.1	4.6	4.5	4.4	4.7	4.5	4.6	4.7	4.5	130
135																3.9	4.6		4.2	4.6	4.5	4.4	4.7	4.5	135
140																3.8	4.6		4.1	4.6	4.5	4.3	4.7	4.5	140
145																			3.9	4.6		4.2	4.6	4.5	145
150																			3.8	4.6		4	4.5	4.5	150
155																			3.8			3.9	4.5		155
160																						3.8	4.2		160
165																						3.8	3.8		165

maxt_312_003_02801_00_000_t_312_003_02841_00_000

Lifting capacities

Forces de levage

TK/TNZK



85%

Preliminary
Préliminaire

	135 ft			147 ft			160 ft			170 ft			172 ft			182 ft			184 ft			195 ft			197 ft				
	K/NZK 52 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°*		
26	8.7																										26		
28	8.7																										28		
30	8.7				7.7																						30		
32	8.6				7.7																						32		
34	8.6				7.7		6.7																				34		
36	8.5				7.7		6.7																				36		
38	8.4				7.7		6.7		4.9			5.6															38		
40	8.4				7.6		6.7		4.9			5.7		4.5		4.7											40		
45	8.1	6.7			7.5		6.7		4.9			5.7		4.5		4.7			3.9			3.8					45		
50	8	6.5			7.4	6.3	6.6		4.9			5.7		4.5		4.7			3.9			3.7					50		
55	7.7	6.3			7.2	6.1	6.5	5.8	4.9			5.8		4.5		4.7			3.8			3.6					55		
60	7.5	6.2	5.2		7.1	6	6.4	5.7	4.8	4.7		5.7	5.2	4.4		4.7			3.8			3.6					60		
65	7.3	6	5.1	6.9	5.8	5	6.3	5.5	4.7	4.7		5.6	5.2	4.3	4.3		4.6	4.5	3.7			3.5					65		
70	7.1	5.8	5	6.7	5.7	5	6.2	5.4	4.8	4.7	4.7		5.6	5.1	4.3	4.3		4.6	4.5	3.7	3.9		3.5	3.7			70		
75	6.9	5.7	5	6.5	5.6	4.9	6.1	5.3	4.8	4.6	4.6	4.4	5.5	5	4.6	4.3	4.3		4.5	4.5		3.6	3.8		3.4	3.7	75		
80	6.7	5.6	4.9	6.4	5.4	4.8	6	5.2	4.7	4.6	4.5	4.4	5.4	4.9	4.6	4.2	4.3	4.2	4.5	4.5	4.3	3.5	3.8		3.4	3.6	80		
85	6.5	5.4	4.8	6.2	5.3	4.8	5.9	5.1	4.7	4.5	4.3	4.2	5.4	4.9	4.5	4.2	4.2	4.1	4.5	4.5	4.3	3.5	3.8	4	3.3	3.6	4	85	
90	6.3	5.3	4.8	6.1	5.2	4.7	5.7	5	4.6	4.3	4.2	4.1	5.2	4.8	4.5	4.2	4.1	4	4.5	4.4	4.2	3.4	3.7	3.9	3.3	3.5	3.9	90	
95	6.1	5.2	4.7	5.9	5.1	4.7	5.6	5	4.6	4.1	4.1	4	5.1	4.7	4.5	4	4	3.9	4.4	4.2	4.2	3.4	3.7	3.8	3.2	3.5	3.8	95	
100	5.9	5.1	4.7	5.8	5.1	4.6	5.5	4.9	4.5	4	3.9	3.9	5	4.7	4.4	3.9	3.9	3.8	4.3	4.1	4	3.4	3.6	3.7	3.2	3.4	3.7	100	
105	5.7	5	4.6	5.6	5	4.6	5.4	4.8	4.5	3.8	3.8	3.8	4.8	4.6	4.4	3.8	3.7	3.7	4.2	4	3.9	3.3	3.6	3.6	3.1	3.4	3.6	105	
110	5.5	5	4.6	5.5	4.9	4.5	5.2	4.8	4.5	3.7	3.7	3.6	4.7	4.5	4.4	3.7	3.6	3.6	4	3.9	3.8	3.3	3.5	3.6	3.1	3.3	3.5	110	
115	5.3	4.9	4.5	5.3	4.8	4.5	5.1	4.7	4.5	3.5	3.5	3.5	4.5	4.4	4.4	3.5	3.5	3.5	3.9	3.8	3.8	3.3	3.4	3.5	3.1	3.3	3.4	115	
120	5.1	4.8	4.5	5.2	4.8	4.5	4.9	4.6	4.5	3.4	3.4	3.4	4.3	4.3	4.3	3.4	3.4	3.4	3.8	3.7	3.7	3.2	3.3	3.4	3	3.3	3.3	120	
125	5	4.8	4.5	5	4.7	4.5	4.7	4.5	4.4	3.2	3.3	3.3	4.1	4.2	4.2	3.2	3.3	3.3	3.6	3.6	3.6	3.1	3.2	3.3	2.9	3.2	3.2	125	
130	4.8	4.7	4.5	4.8	4.7	4.5	4.5	4.4	4.4	3	3.1	3.2	3.9	4	4.1	3.1	3.2	3.2	3.5	3.5	3.5	3	3.1	3.2	2.9	3.1	3.2	130	
135	4.6	4.7	4.5	4.7	4.6	4.5	4.3	4.3	4.4	2.9	3	3.1	3.8	3.8	4	2.9	3.1	3.1	3.4	3.4	3.4	2.9	3	3.1	2.8	3	3.1	135	
140	4.4	4.6	4.5	4.4	4.6	4.4	4	4.1	4.3	2.7	2.8	3	3.6	3.7	3.8	2.8	2.9	3	3.2	3.3	3.3	2.8	2.9	3	2.7	2.9	3	140	
145	4.3	4.6	4.5	4	4.4	4.4	3.8	4	4.1	2.5	2.7	2.8	3.4	3.5	3.6	2.6	2.8	2.9	3.1	3.2	3.2	2.7	2.8	2.9	2.6	2.8	2.8	145	
150	4.1	4.5	4.5	3.6	4	4.2	3.6	3.8	3.9	2.4	2.5	2.6	3.3	3.4	3.5	2.5	2.6	2.7	3	3.1	3.1	2.5	2.6	2.7	2.5	2.6	2.7	150	
155	3.8	4.1	4.2	3.5	3.6	3.8	3.2	3.6	3.7	2.3	2.4	2.5	3.1	3.2	3.3	2.4	2.5	2.6	2.9	2.9	3	2.4	2.5	2.6	2.4	2.5	2.6	155	
160	3.5	3.7	3.8	3.3	3.4	3.5	2.9	3.3	3.5	2.1	2.2	2.3	3	3.1	3.2	2.2	2.4	2.5	2.5	2.7	2.8	2.9	2.3	2.4	2.5	2.3	2.4	2.5	160
165	3.2	3.4	3.4	3.1	3.2	3.3	2.8	3	3.1	2	2.1	2.2	2.7	2.9	3	2.1	2.2	2.3	2.6	2.7	2.8	2.2	2.3	2.4	2.2	2.3	2.4	165	
170	2.9	3.1		3	3	3.1	2.8	2.8	2.8	1.9	2	2	2.6	2.7	2.9	2	2.1	2.2	2.5	2.6	2.6	2.1	2.2	2.2	2.1	2.2	2.2	170	
175	2.9	2.9		2.7	2.9	2.9	2.6	2.7	2.8	1.8	1.8	1.9	2.4	2.5	2.6	1.9	2	2.1	2.2	2.4	2.5	2	2	2.1	1.9	2.1	2.1	175	
180	2.8			2.5	2.6		2.3	2.6	2.7	1.6	1.7	1.8	2.2	2.4	2.5	1.8	1.9	1.9	1.9	2.3	2.4	1.8	1.9	2	1.7	1.9	2	180	
185				2.4	2.5		2.2	2.3	2.3	1.5	1.6	1.6	2	2.2	2.3	1.7	1.8	1.8	1.6	1.9	2.1	1.5	1.8	1.9	1.4	1.8	1.9	185	
190				2.4			2.1	2.1		1.4	1.5	1.5	1.8	2	2	1.6	1.7	1.7		1.6	1.8		1.6	1.8		1.6	1.7	190	
195							2	2.1			1.4	1.4		1.6	1.8	1.9	1.5	1.6	1.6		1.4	1.5						195	
200							1.7	1.8					1.4	1.5				1.4	1.5									200	

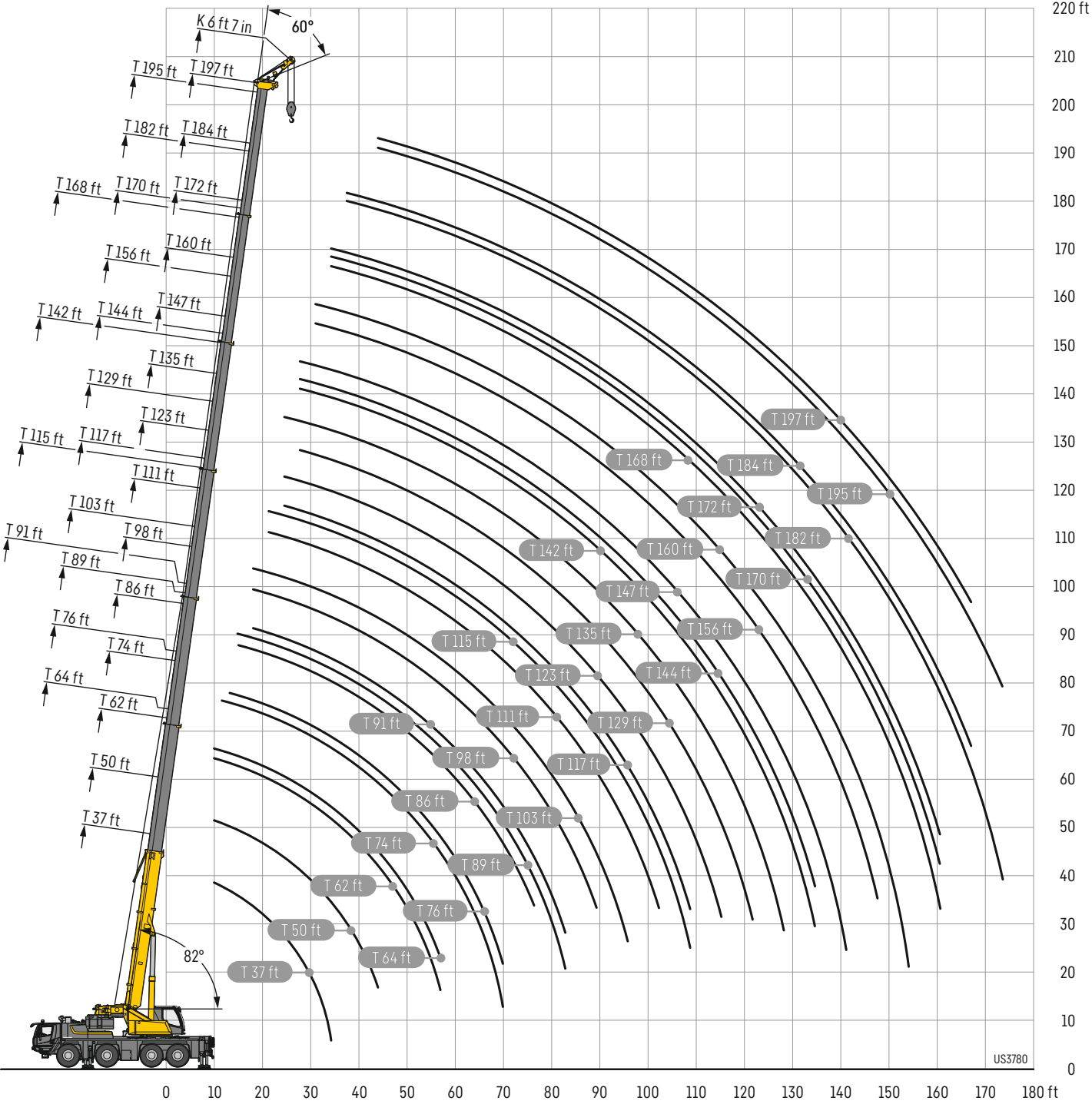
* only possible in TNZK mode - uniquement possible en cas de fonctionnement de la pointe pliante hydraulique de la flèche télescopique (TNZK)

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Lifting heights

Hauteurs de levage

TK



Lifting capacities

Forces de levage

TK



85%

Preliminary
Préliminaire

	37 ft				50 ft				62 ft				64 ft				74 ft				76 ft				
	K 6 ft 7 in																								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
12			54.5	43.6			54.5	43.6			54.5	43.6			40.3	38.3			54.5	43.6					12
13			54.5	43.6			54.5	43.6			54.5	43.6			39.1	37			54.5	43.6			38.4		13
14			54.5	43.6			54.5	43.6			54.5	43.6			37.6	35.7			54.5	43.6			37.3	35.2	14
15			54.5	43.6			54.5	43.6			54.5	43.6			36.3	34.5			54.5	43.6			36.2	34.3	15
16			54.5	43.1			54.5	43.6			54.5	43.6			34.9	33.4			54.5	43.6			35.1	33.3	16
17			54.5	42.6			54.5	43.6			54.5	43.6			33.8	32.2			54.5	43.6			34.1	32.5	17
18		54.5	54.5	42			54.5	43.6			54.5	43.6			32.6	31.3			54.5	43.6			33.2	31.6	18
19		54.5	54.5	41.4			54.5	43.6			54.5	43.6			31.5	30.3			54.5	43.6			32.3	30.7	19
20		54.5	54.5	40.8			54.5	43.5			54.5	43.6			30.5	29.3			54.5	43.6			31.3	30	20
22		54.5	54.5	39.7			54.5	42.6			54.5	43.6			28.6	27.6			54.5	43.6			29.8	28.5	22
24		54.5	54.5	38.7			54.5	41.7			54.5	43.6			27	26.1			54.5	43.6			28.2	27.2	24
26		54.5	54.5	37.9		54.5	54.5	40.8			54.5	43			25.5	24.7			54.5	43.6			26.8	25.9	26
28	54.5	54.5	54.5	37.4		54.5	54.5	40			54.5	42.3			24.1	23.5			54.5	43.6			25.5	24.8	28
30	54.5	54.5	54.5	37.2		54.5	54.5	39.2			54.5	41.5			22.9	22.3			54.5	43.3			24.1	23.6	30
32	54.5	54.5	54.5	37.2		54.4	54.5	38.5		54.3	54.1	40.8			21.7	21.2			54.3	42.7			23	22.5	32
34	50.9	51.3	51.5	37.2		52	52.3	37.9		51.6	52	40.1		21.5	20.7	20.3			51.7	42			22	21.6	34
36	44.4	47.7	47.8	37		48.5	48.7	37.5		48.1	48.4	39.5		20.5	19.8	19.4			48.5	41.4			21	20.6	36
38					44.8	45.1	45.4	37.2		45.6	45.1	38.8		19.5	18.8	18.5		41.2	45.9	40.8			20.1	19.8	38
40					41.8	42.2	42.4	37.2		42.6	42.8	38.3		18.6	18	17.7		42.5	42.8	40.2		19.6	19.3	18.9	40
45					35.8	36	36.1	36.2		36.4	36.6	36.8		16.7	16.2	16		36.4	36.7	36.8		17.8	17.4	17.2	45
50									31.3	31.5	31.7	31.8	15.4	15	14.7	14.6		31.5	31.7	31.8		16.1	15.8	15.7	50
55									27.4	27.5	27.7	27.7	14	13.7	13.4	13.4		28.1	27.9	27.8		14.7	14.4	14.4	55
60									24.8	24.9	24.9	24.9	12.7	12.5	12.4	12.5	24.9	25	25.1	25.2	13.7	13.5	13.3	13.3	60
65																	22	22.1	22.2	22.2	12.7	12.4	12.3	12.3	65
70																	19.6	19.7	19.7	19.7	11.7	11.6	11.5	11.5	70
75																					11	10.9	10.9	11.1	75

	86 ft				89 ft				91 ft				98 ft				103 ft				111 ft				
	K 6 ft 7 in																								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
13			54.5																						13
14			54.5																						14
15			54.5	43.6			27.2																		15
16			54.5	43.6			26.5				25.9				54.5										16
17			54.5	43.6			25.8	24.8				25.2	24		54.5										17
18			54.5	43.6			25	24.1				24.3	23.5		54.5	43.6			23.5						18
19			54.5	43.6			24.2	23.4				23.6	22.9		54.5	43.6			23.2				45.6		19
20			54.5	43.6			23.6	22.8				23	22.2		54.5	43.6			22.5	21.8			46.8		20
22			54.5	43.6			22.3	21.5				21.8	21.1		54.5	43.6			21.6	20.9			46	43.6	22
24			54.5	43.6			21.1	20.4				20.6	20		54	43.6			20.6	19.9			45	43.6	24
26			54.5	43.6			20	19.4				19.5	19		53	43.6			19.6	19			44.1	43.6	26
28			54.5	43.6			18.9	18.4				18.5	18.1		51.7	43.6			18.8	18.2			43.3	43.5	28
30			54.3	43.6			18	17.6				17.7	17.2		50.3	43.6			18	17.5			42.4	42.9	30
32			53.8	43.6			17.2	16.8				16.8	16.4		49.1	43.6			17.2	16.8			41.5	42	32
34			51.6	43.5			16.4	16				16.1	15.7		47.8	43.6			16.5	16.1			40.6	41.1	34
36			48.7	43			15.6	15.3				15.3	15		46.5	43.6			15.9	15.5			39.8	40.2	36
38			45.3	42.4			15	14.6				14.7	14.4		44.4	43.6			15.2	14.9			38.9	39.3	38
40			42.5	41.6			14.3	14.1				14	13.8		41.8	41.7			14.7	14.4			38.1	38.5	40
45			36.3	36.5			12.9	12.7				12.6	12.4		36.9	36.8			13.4	13.2			36.1	35.9	45
50		32.2	32.5	32.5		11.8	11.7	11.5		11.6	11.5	11.3			31.9	32.1			12.2	12.1			31.3	31.5	50
55		28.2	28.4	28.5		10.7	10.6	10.5		10.5	10.3	10.2		27.3	27.9	28.1			11.2	11.1			27.3	27.4	55
60		24.9	25	25		9.8	9.7	9.7		9.6	9.5	9.5		24.4	24.5	24.6		10.4	10.4	10.3		19.4	23.8	24	60
65		21.9	22	22.1		9.1	9	9		8.9	8.8	8.8		21.5	21.5	21.7		9.6	9.6	9.5		20.8	20.8	21	65
70	19.3	19.4	19.5	19.6	8.6	8.5	8.4	8.4		8.3	8.3	8.2		19	19	19.2		9	9	9		18.4	18.4	18.4	70
75	17.2	17.3	17.4	17.4	8.1	7.9	7.9	7.9	7.9	7.8	7.8	7.8		16.9	16.9	17		8.5	8.5	8.5		16.3	16.2	16.3	75
80	15.5	15.5	15.5	15.6	7.6	7.5	7.5	7.5	7.4	7.3	7.3	7.3	14.9	15.1	15.1	15.1		8	8.1	8.1		14.4	14.4	14.5	80
85			14		7.2	7.1	7.2	7.2	7	6.9	7	7	13.4	13.5	13.5	13.5	7.7	7.6	7.7	7.7		13.7	13.6	13.5	85
90										6.7	6.8		12.1	12.1	12.1	12.1	7.4	7.3	7.3	7.4	12.6	12.6	12.7	12.7	90
95													11.5	11.6	11.6	11.8		7.1	7	7.1	7.1	11.3	11.4	11.4	95
100																	6.8	6.7	6.9	6.9	10.2	10.2	10.2	10.3	100
105																					9.3	9.3	9.3	9.3	105
110																					7.6	8.6	8.6		110

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Lifting capacities

Forces de levage

TK



85%

Preliminary
Préliminaire

	115 ft				117 ft				123 ft				129 ft				135 ft				142 ft				
	K 6 ft 7 in																								
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
22			19.9				19.3				37.7													22	
24			19	18.8			18.4	18.2			37.5	30.6			17.8			21.9						24	
26			18.1	18			17.7	17.4			37.3	37.7			17.2	16.9		29.8	20.6					26	
28			17.4	17.1			16.9	16.7			37.1	37.5			16.6	16.4		29.5	29.6			15.4	13.9	28	
30			16.6	16.4			16.1	16			36.8	37.2			15.9	15.8		29	29.1			15	13.7	30	
32			15.9	15.7			15.5	15.3			36.3	36.8			15.4	15.1		28.4	28.3			14.5	13.3	32	
34			15.2	15.1			14.8	14.7			35.7	36			14.8	14.6		27.5	27.6			14	13	34	
36			14.6	14.4			14.2	14.1			34.9	34.8			14.2	14.1		26.7	26.6			13.6	12.6	36	
38			14	13.9			13.6	13.5			33.7	33.7			13.7	13.6		25.8	25.8			13.2	12.2	38	
40			13.4	13.3			13.1	13			32.6	32.5			13.2	13.1		24.9	24.8			12.8	11.9	40	
45			12.2	12			11.8	11.8			29.8	29.8			12.1	12		22.7	22.6			11.8	11	45	
50			11	11			10.8	10.7			27.3	27.4			11.1	11		21.1	20.8			10.9	10.2	50	
55			10	10			9.9	9.8			25.2	25.2			10.2	10.1		19.9	19.5			10.1	9.6	55	
60			9.2	9.2			9.1	9			22.9	23.1			9.5	9.4		18.9	18.5			9.5	9	60	
65		8.5	8.6	8.6		8.3	8.4	8.4			20.2	20.4			8.9	8.8		17.9	17.6			8.9	8.5	65	
70		8	8	8		7.8	7.9	7.9		17.8	17.9	17.9			8.3	8.3		17	16.8			8.4	8.1	70	
75		7.5	7.5	7.5		7.3	7.4	7.4		16.2	16.1	16.2		7.7	7.9	7.9	13.5	16	15.9			7.9	7.7	75	
80		7	7.1	7		6.9	6.9	6.9		15	15	15		7.3	7.4	7.4	14.3	14.4	14.5		7.2	7.4	7.3	80	
85		6.6	6.6	6.6		6.5	6.5	6.5		13.3	13.4	13.5		6.9	7	7	12.7	12.8	12.9		6.9	7	6.9	85	
90		6.2	6.3	6.3		6.1	6.2	6.2		11.9	12	12		6.6	6.7	6.7	11.2	11.4	11.4		6.5	6.6	6.5	90	
95	5.9	5.9	5.9	6	5.8	5.8	5.8	5.8		10.7	10.7	10.7		6.3	6.3	6.3	10	10.1	10.1		6.2	6.2	6.2	95	
100	5.6	5.6	5.6	5.7	5.5	5.5	5.5	5.5	9.5	9.5	9.6	9.6		6	6	6	9	9	9.1		5.8	5.9	5.9	100	
105	5.3	5.3	5.3	5.4	5.2	5.2	5.3	5.3	8.7	8.7	8.7	8.8	5.7	5.7	5.7	5.8	8.2	8.3	8.3		5.5	5.6	5.6	105	
110	5.1	5.1	5.1	5.2	5	5	5	5	7.9	8	8	8	5.5	5.4	5.5	5.5	7.9	8	8	8	5.3	5.3	5.3	110	
115					4.8	4.8	4.9	4.9	7.4	7.3	7.5	7.5	5.2	5.2	5.3	5.3	7.6	7.6	7.6	7.5	5	5	5	115	
120									7.3	7.1	7.3	7.5	5	5	5.1	5.1	7	7	7	6.9	4.8	4.8	4.8	120	
125													4.9	4.9	4.9	5	6.4	6.4	6.4	6.4	4.5	4.5	4.6	4.5	125
130																	5.9	5.9	5.9	5.9	4.3	4.3	4.4	4.3	130
135																					4.1	4.1	4.2	4.2	135
140																					4	4	4.1	4.1	140

	144 ft				147 ft				156 ft				160 ft				168 ft				170 ft					
	K 6 ft 7 in																									
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
28			15				22.8																		28	
30			14.7	13.4			22.6	22.6			12.6				13.4										30	
32			14.3	13.1			22.3	22.3			12.4	12.3			17.8	13.7			11.1						32	
34			13.8	12.8			21.9	21.9			12.2	12.1			17.6	17.6			11				10.7		34	
36			13.4	12.4			21.5	21.5			11.9	11.8			17.3	17.4			10.9	10.9			10.6	10.6	36	
38			13	12			21	21			11.6	11.5			17.1	17.1			10.7	10.7			10.5	10.5	38	
40			12.6	11.7			20.6	20.5			11.4	11.2			16.7	16.8			10.5	10.5			10.3	10.3	40	
45			11.7	10.9			19.3	19.1			10.6	10.6			15.9	16			10	10			9.9	9.8	45	
50			10.8	10.1			17.9	17.8			10	9.9			15	15			9.5	9.5			9.4	9.4	50	
55			10.1	9.5			16.6	16.6			9.4	9.4			14.1	14			9.1	9			9	9	55	
60			9.4	9			15.3	15.3			9	8.9			13.1	13.1			8.7	8.6			8.6	8.6	60	
65			8.9	8.5			14.1	14.1			8.5	8.5			12.2	12.2			8.3	8.3			8.2	8.2	65	
70			8.4	8.1			13	13.1			8.1	8.1			11.5	11.4			7.9	7.9			7.7	7.8	70	
75			7.9	7.7			12	12.1			7.8	7.8			10.7	10.7			7.6	7.6			7.3	7.3	75	
80			7.5	7.3			11.1	11.1			7.4	7.4			10	10			7.2	7.2			6.9	6.9	80	
85		6.9	7	6.9		10.1	10.4	10.4			7.1	7.1			9.3	9.3			6.8	6.8			6.6	6.6	85	
90		6.5	6.6	6.5		9.4	9.6	9.7		6.7	6.8	6.8			8.7	8.7			6.5	6.5			6.2	6.2	90	
95		6.2	6.3	6.2		9	9.1	9.1		6.4	6.4	6.5		7.6	8.2	8.2			6.1	6.1			5.9	5.9	95	
100		5.9	5.9	5.9		8.7	8.8	8.8		6.1	6.1	6.1		7.3	7.7	7.7		5.7	5.8	5.8			5.6	5.6	100	
105		5.6	5.6	5.5		8.4	8.4	8.4		5.9	5.8	5.9		7	7.3	7.3		5.4	5.5	5.5			5.3	5.3	105	
110		5.3	5.3	5.3		7.7	7.7	7.8		5.6	5.6	5.6		6.8	6.9	6.9		5.2	5.2	5.2			5	5	110	
115		5	5.1	5		7.1	7	7.1		5.3	5.3	5.3		6.5	6.7	6.7		4.9	4.9	4.9			4.7	4.7	115	
120		4.8	4.8	4.8		6.4	6.4	6.5	6.4	5.1	5.1	5.1		6.3	6.5	6.5		4.6	4.7	4.7			4.5	4.5	120	
125		4.5	4.6	4.6		5.9	6	6	5.9	4.9	4.9	4.9		6	6	6		4.4	4.4	4.4			4.2	4.2	125	
130		4.3	4.4	4.4		5.7	5.8	5.9	5.7	4.7	4.6	4.7	5.1	5.5	5.5	5.5		4.2	4.2	4.2			4	4	130	
135		4.2	4.2	4.2		5.5	5.5	5.5	5.5	4.5	4.5	4.5		4.9	5	5	5		4	4	4			3.8	3.8	135
140		4	4	4		5.1	5	5.1	5	4.3	4.3	4.3	4.7	4.7	4.8	4.7		3.8	3.8	3.8			3.6	3.6	140	
145						4.7	4.7	4.6	4.6	4.1	4.2	4.2	4.5	4.5	4.6	4.5		3.6	3.6	3.6			3.4	3.4	145	
150										4	4	4		4.2	4.2	4.2	4.2		3.4	3.4	3.4			3.2	3.2	150
155										3.9	4			3.8	3.9	3.9	3.9		3.2	3.2	3.3			3.1	3.1	155
160																			3.1	3.1	3.1			2.9	2.9	160
165																			3	3	3			2.8	2.8	165

Lifting capacities
Forces de levage

TK

37 - 197 ft

6 ft 7 in

360°

12 ft 4 in
15 ft 5 in

49,600 lb

85%

Preliminary
Préliminaire

	172 ft				182 ft				184 ft				195 ft				197 ft				
	K 6 ft 7 in																				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
34			12.9																		34
36			12.8	12.9			9.4				10.2										36
38			12.7	12.7			9.4	9.5			10.1	10.2			8.3						38
40			12.5	12.6			9.4	9.4			10	10.1			8.3				8.1		40
45			12.1	12.2			9.2	9.2			9.8	9.9			8.2	8.3			8.1	8.1	45
50			11.7	11.7			9	9			9.5	9.5			8.1	8.2			7.9	8	50
55			11.1	11.2			8.7	8.7			9.2	9.2			8	8			7.8	7.9	55
60			10.5	10.5			8.4	8.4			8.9	8.9			7.8	7.8			7.6	7.7	60
65			9.9	9.9			8	8			8.6	8.6			7.6	7.6			7.4	7.5	65
70			9.3	9.4			7.6	7.6			8.3	8.3			7.3	7.3			7.2	7.2	70
75			8.9	8.9			7.3	7.3			7.9	7.9			7	7			6.9	6.9	75
80			8.5	8.5			6.9	6.9			7.6	7.6			6.7	6.7			6.6	6.7	80
85			8.1	8.1			6.6	6.6			7.3	7.3			6.4	6.4			6.4	6.4	85
90			7.7	7.7			6.3	6.3			7	7			6.1	6.2			6.1	6.1	90
95			7.3	7.3			6	6			6.7	6.7			5.9	5.9			5.8	5.9	95
100			7	7		6.4	5.7	5.7			6.4	6.4			5.6	5.6			5.6	5.6	100
105			6.7	6.7		6.1	5.4	5.4			6.1	6.1			5.4	5.4			5.4	5.4	105
110			6.3	6.3		5.8	5.1	5.2			5.8	5.9			5.1	5.1			5.1	5.1	110
115			6	6		5.5	4.9	4.9			5.6	5.6			4.9	4.9			4.9	4.9	115
120			5.7	5.7		5.2	4.6	4.7			5.3	5.3			4.7	4.7			4.7	4.7	120
125			5.5	5.4		5	4.4	4.4			5.1	5.1			4.5	4.5			4.5	4.5	125
130			5.2	5.2		4.8	4.2	4.2			4.9	4.9			4.3	4.3			4.3	4.3	130
135			5	5		4.5	4	4			4.6	4.6			4.1	4.1			4.1	4.1	135
140			4.6	4.6		4.3	3.8	3.8			4.4	4.4			3.9	4			3.9	3.9	140
145			4.2	4.2		4.1	3.7	3.7			4	4			3.8	3.8			3.7	3.7	145
150			4	4		4	3.5	3.5			3.6	3.6			3.6	3.6			3.5	3.5	150
155			3.7	3.7		3.7	3.3	3.3			3.2	3.3			3.3	3.3			3.3	3.3	155
160			3.3	3.3		3.3	3.2	3.2			2.9	2.9			3	3			2.9	2.9	160
165			3	3		3	3	3			2.5	2.5			2.6	2.6			2.5	2.5	165
170			2.7	2.7		2.7	2.8	2.7			2.2	2.2			2.2	2.2			2.2	2.2	170
175							2.4	2.4			1.8	1.8			1.9	1.9			1.8	1.8	175
180							2.1	2.1													180

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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 330 kW (449 h.p.), max. torque 1722 lb-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 145 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 4 axles steered. Axle 2, 3 and 4 are equipped with planetary gears, all driven axles with transverse differential locks.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
Tyres	8 tyres, size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering. Active speed depending rear axle steering, special steering programs for various driving situations.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2nd to 4th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Interarder in gearbox.
Driver's cab	Spacious, corrosion-resistant driver's cab which is disconnected from the vehicle frame using spring and damper systems.
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. Slewing ring.
Crane drive	Diesel-hydraulic with axial variable displacement pumps with automatic capacity control, 1 double gear pump, driven by the carrier Diesel engine, open regulated oil circuits.
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, planetary gear, 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 tilttable 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 hydraulically extendable independent of one another. Rapid-cycle telescoping system TELEMATIK. Boom length: 37 ft – 197 ft.
Counterweight	19,400 lb
Electrical system	Modern data bus technique, 24 Volt DC.

Additional equipment

K	Assembly jib 6 ft 7 in. Mechanical Adjustment 0°, 20°, 40°, 60°
K	Single folding jib, 31 ft. Double swing-away jib 31 ft – 52 ft. Mechanical adjustment 0°; 20°; 40°.
NZK	Single folding jib, 31 ft. Double swing-away jib 31 ft – 52 ft. Hydraulic adjustment 0° – 40°.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	30,200 lb for a total counterweight of 49,600 lb.
Tyres	8 tyres, size 525/80 R 25 (20.5 R 25).

Other items of equipment available on request.

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 330 kW (449 ch), couple max. 1722 lb-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 145 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 4 essieux sont directeurs. Les essieux 2, 3 et 4 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal.
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	8 pneus de taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service: servofrein à air comprime, tous les essieux sont munis de freins à disque, a 2 circuits. Frein à main: ressort accumule agissant sur les roues des essieux 2 a 4. Freins continus: frein moteur par clapet sur echappement avec systeme de ralentissement Liebherr ZBS. Ralentisseur monte sur boîte de vitesse.
Cabine	Cabine du grutier spacieuse, résistant à la corrosion, découplée du châssis de l'engin grâce à des systèmes à ressorts amortisseurs.
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 pivotante à billes.
Entraînement	Diesel hydraulique avec pompes à débit variable et régulation de puissance automatique, 1 pompe à engrenages double, entraînés par le moteur Diesel du porteur, circuits hydrauliques ouverts.
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 à pistons axiaux, engrenage planétaire, 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 «LICCON3», 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 télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide, TELEMATIK. Longueur de flèche: 37 ft – 197 ft.
Contrepoids	19,400 lb
Installation électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts.

Equipment supplémentaire

K	Flechette de montage 6 ft 7 in. Reglage mecanique 0°, 20°, 40°, 60°
K	Flechette pliante simple, longueur 31 ft. Double flechette pliante 31 ft – 52 ft. Reglage mecanique 0° ; 20° ; 40°.
NZK	Flechette pliante simple, longueur 31 ft. Double flechette pliante 31 ft – 52 ft. Reglage hydraulique 0° – 40°.
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Contrepoids additionnel	30,200 lb pour un contrepoids total de 49,600 lb.
Pneumatiques	8 pneus. Taille: 525/80 R 25 (20.5 R 25).

Autres équipements supplémentaires sur demande.

Description of symbols

Explication des symboles

	Max. capacity Capacité max.		Outriggers front Calage avant		Standard Norme
	Max. hoist height Hauteur de levage max.		Outriggers rear Calage arrière		Radius Portée
	Max. radius Portée max.		Crane superstructure Partie tournante de la grue		Telescopic boom Flèche télescopique
	Tyres Pneumatiques		infinitely variable en continu		Mechanically/hydraulically adjustable folding jib Pointe pliante réglable mecaniquement/ hydrauliquement
	Hookblock/Capacity Moufle à crochet/Capacité de charge		Rope diameter Diamètre		Assembly jib Flechette de montage
	No. of sheaves Poules		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		Counterweight radius Rayon de contrepoids		
	Driving speed - Onroad gear Vitesse de translation - Vitesse de route		Outriggers Calage		
	Driving speed - Crawl speed Vitesse de translation - Marche lente		Outriggers - free on tyres Calage - libre sur pneus		
	Max. supporting forces Forces d'appui max.		Slewing gear / Working area Mécanisme d'orientation / Plage de travail		

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 center.
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 130,400 lb /149,900 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 130,400 lb /149,900 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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Printed in Germany (2)
lwe-td-312-00-us12-2025