



360 USt



256 ft



308 ft



374 ft

Powerful with an innovative drive concept

LTM 1300-6.2

Mobile crane

Grue mobile

LIEBHERR

Mobile and crawler cranes



Technical data

Caractéristiques technique

Dimensions

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Mobile crane

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Fuel saving and noise reduction

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Description of symbols

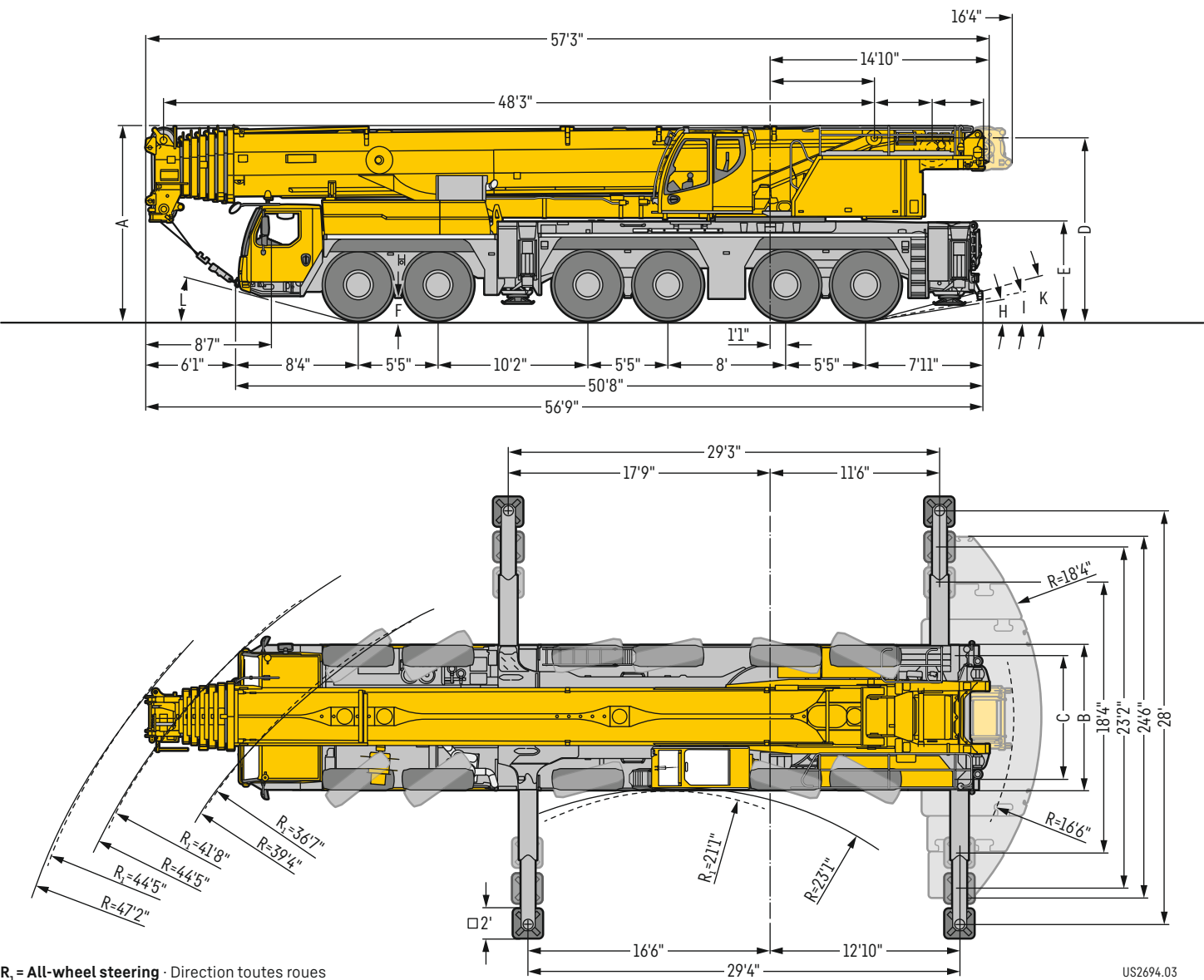
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Dimensions

Encombrement



R₁ = All-wheel steering · Direction toutes roues

US2694.03

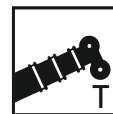
Dimensions · Encombrement

	A	A 5" *	B	C	D	E	F	H	I	K	L
445/95 R 25 (16.00 R 25)	13'1"	12'9"	9'10"	8'4"	12'3"	6'7"	1'4"	9°	10°	15°	14°
525/80 R 25 (20.5 R 25)	13'1"	12'9"	10'2"	8'5"	12'3"	6'7"	1'4"	9°	10°	15°	14°

* lowered · abaissé

LTM 1300-6.2





256 ft



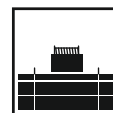
18 ft – 115 ft



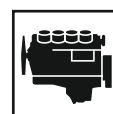
57 ft – 230 ft



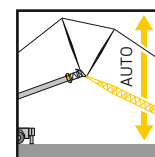
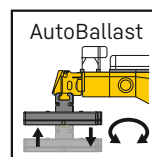
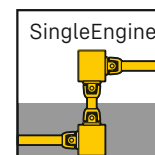
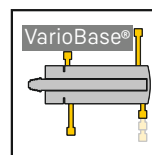
46 ft – 138 ft



211,600 lb



455 kW (619 h.p.)



Fuel saving and noise reduction

Economie de carburant et réduction du bruit

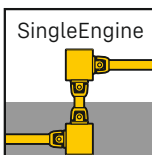


Driving strategy in the carrier with ECO- or Power-mode to reduce noise and fuel

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

Innovative One-Engine-Concept

Concept innovant à moteur unique

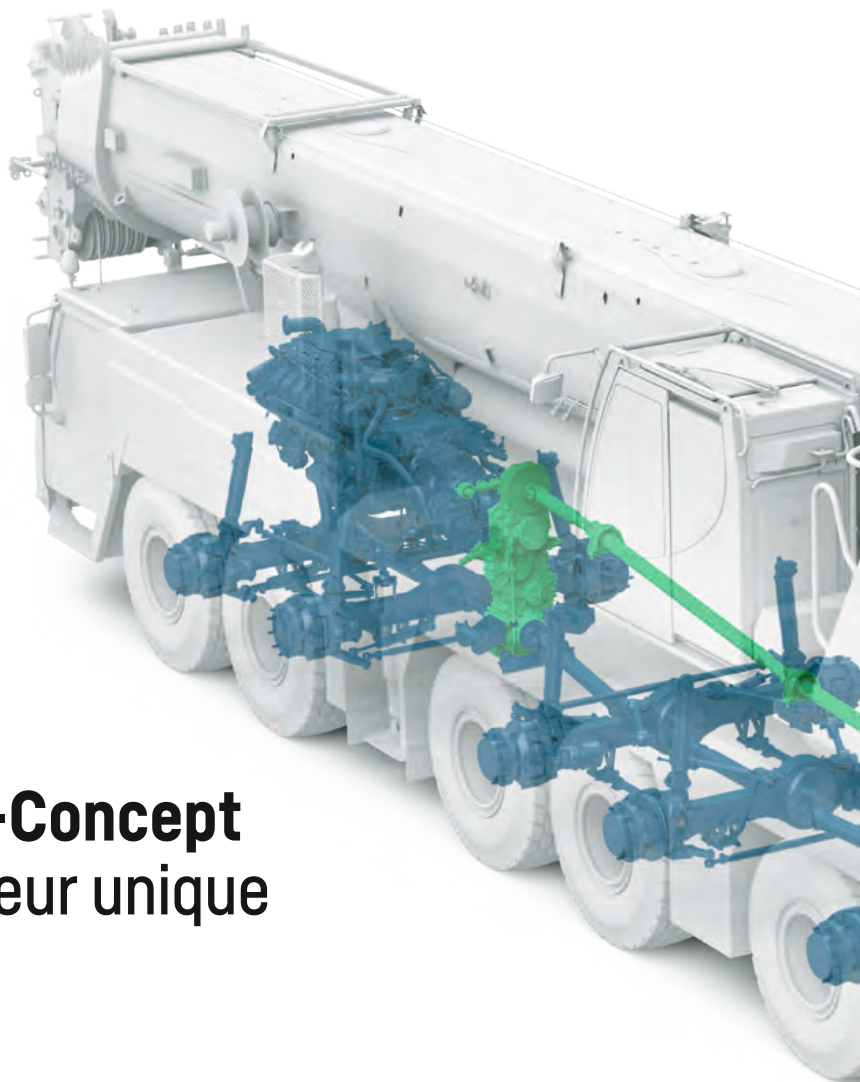


Drive from chassis engine via a mechanical shaft with special high efficiency factor

Increased effectiveness and reduced maintenance expenditure

Entraînement du moteur du châssis par le biais d'un arbre mécanique particulièrement performant

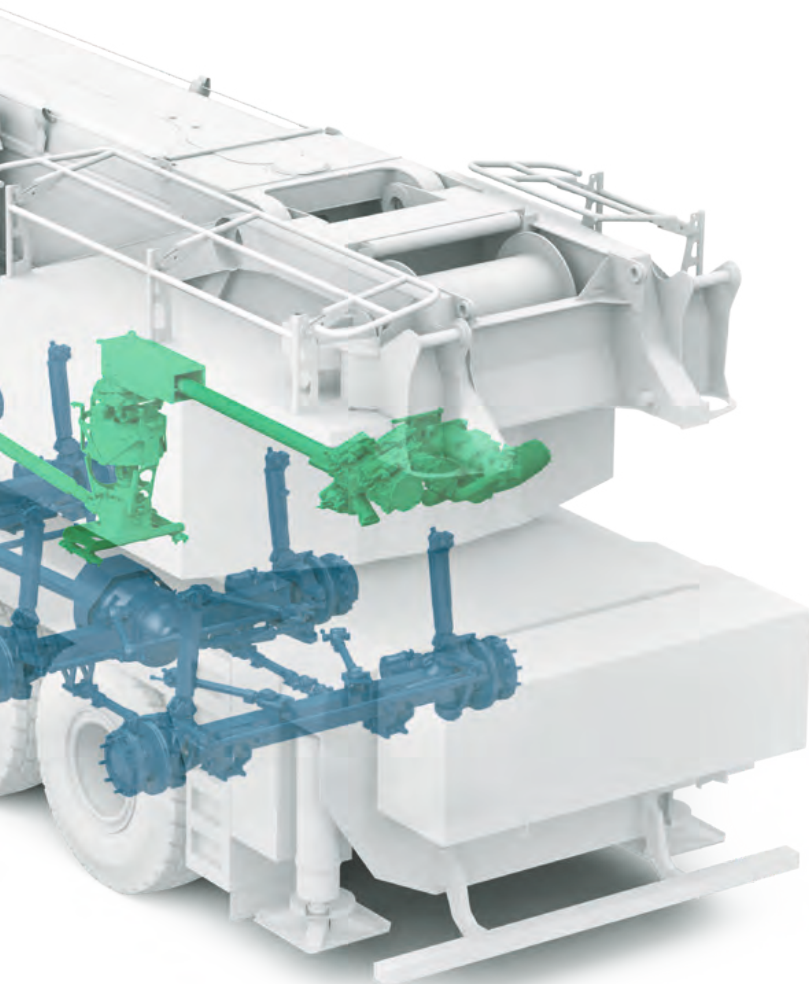
Rentabilité accrue et entretien nettement réduit



ECOmode

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

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



Crane data

Dates de la grue



Hook block • Moufles à crochet

			
403,450 lb	12	17	7,500 lb
298,700 lb	7	12	3,750 lb
275,600 lb	5	11	3,530 lb
180,800 lb	3	7	3,300 lb / 2,200 lb
79,800 lb	1	3	2,200 lb
26,900 lb	-	1	1,100 lb



Crane carrier • Châssis porteur

	 min.	 max.	 %		
445/95 R 25 (16.00 R 25)	2.13	53	50.7 %		12 / R2
525/80 R 25 (20.5 R 25)	2.13	53	50.7 %		

Theoretical gradeability • aptitude théorique en pente



Max. supporting forces • Forces d'appui max.

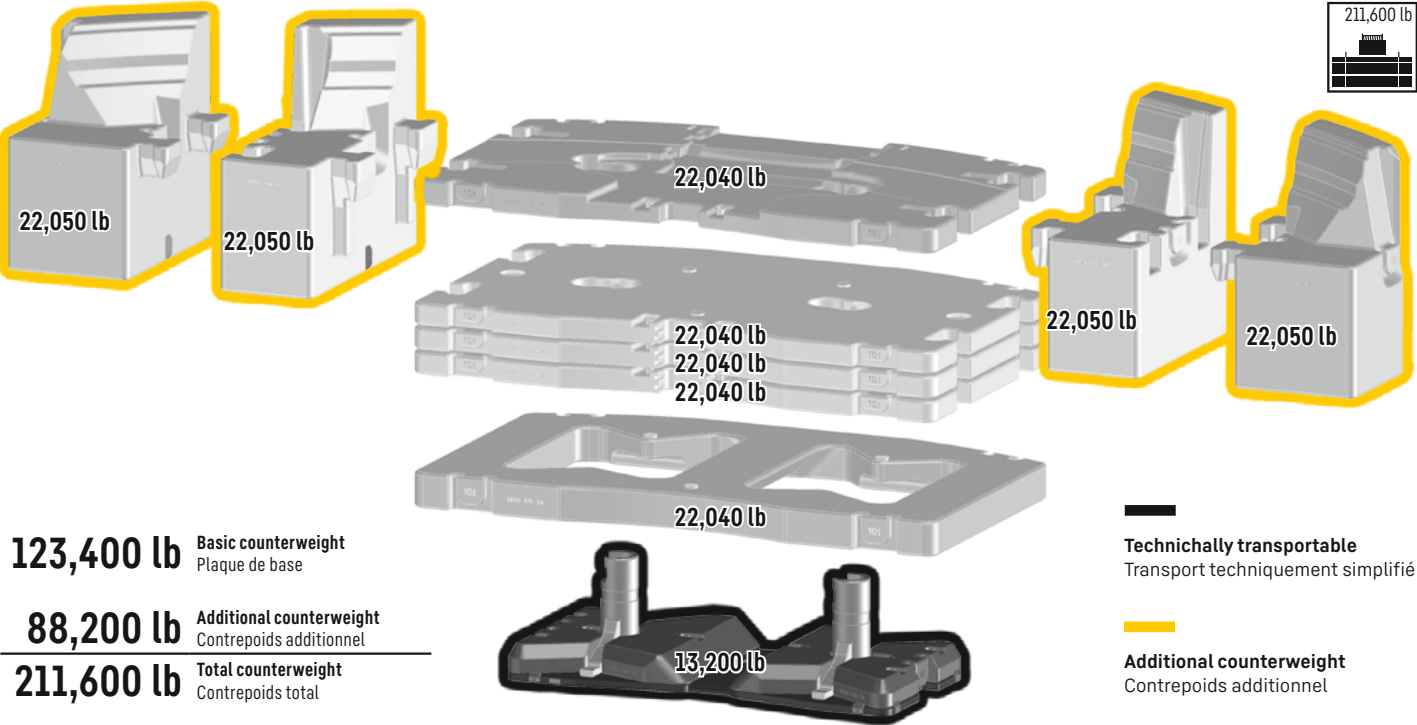
		
Fmax	246,000 lb	305,000 lb



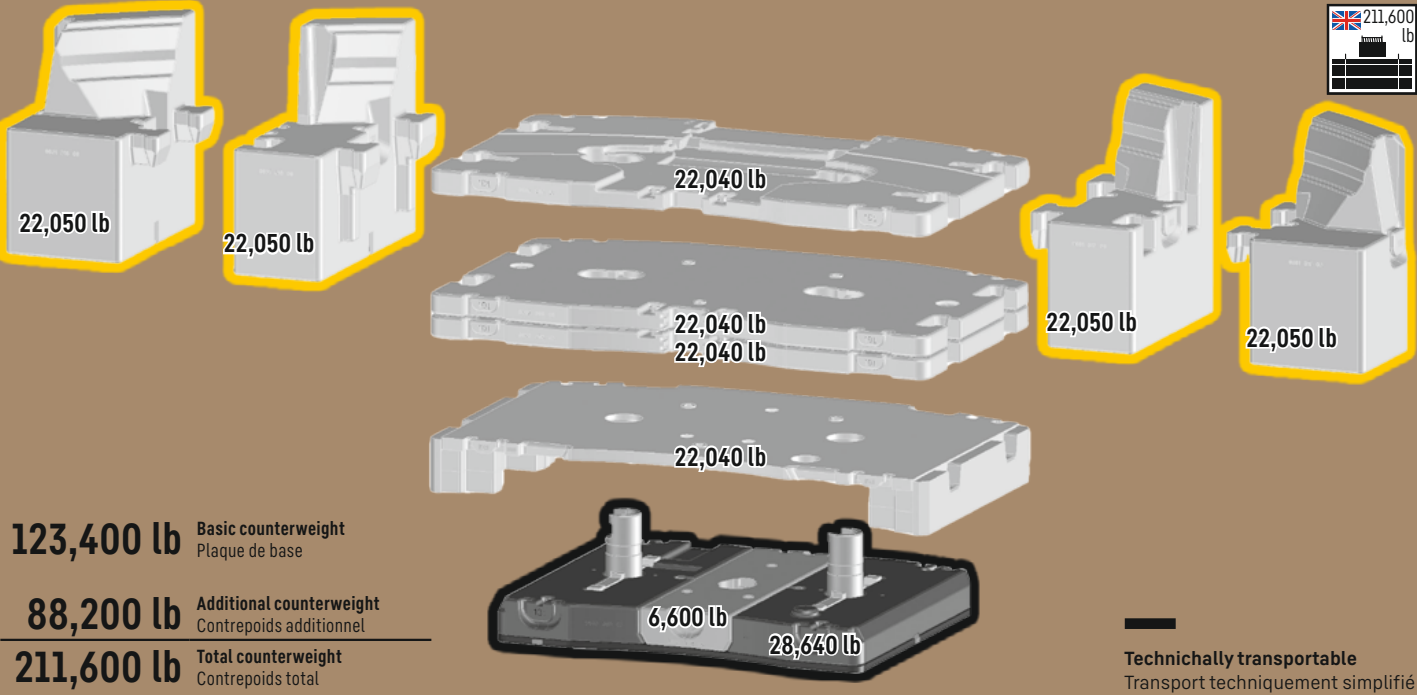
Crane superstructure • Partie tournante

			
 0 - 427 ft/min single line • au brin simple	23 mm	984 ft	27,420 lb
 0 - 417 ft/min single line • au brin simple	23 mm	1525 ft	27,420 lb
 0 - 1.6 rpm			
 approx. 80 seconds to reach 82° boom angle env. 80 s jusqu'à 82°			
 approx. 800 seconds for boom extension from 48 ft - 256 ft env. 800 s pour passer de 48 ft - 256 ft			

Counterweight Contrepoids



UK Counterweight – option UK Contrepoids – en option



Fast, efficient set-up process

Un montage d'équipement rapide et efficace



1



2



3



4

1 Winch 2 secured to the ballast plate
Treuil 2 fixé sur la plaque de lest

2 Winch 2 is moved hydraulically towards the turntable frame
Treuil 2 replié hydrauliquement vers le cadre de partie tournante

3 The pulley block is moved towards winch 2 using BTT
Palonnier de renvoi rabattu vers le treuil 2 avec le BTT

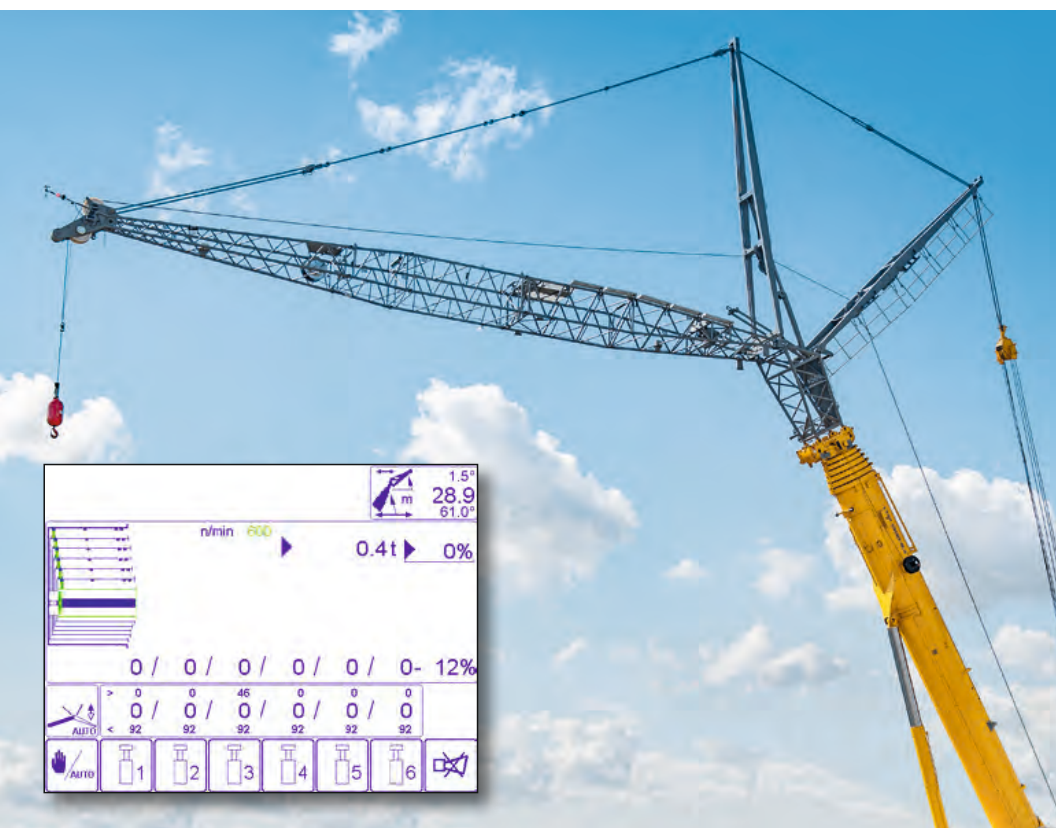
4 Winch 2 is installed
Treuil 2 monté

Self-assembly of winch 2

The self-installation device on winch 2 ensures high efficiency. The winch can be installed without an additional crane in a matter of minutes. The remote control using the BTT Bluetooth Terminal is extremely convenient and provides clear lines of sight for the installation process.

Treuil 2 à montage autonome

Le dispositif de montage autonome sur le treuil 2 assure un rentabilité élevée. Le treuil peut être monté sans grue externe et avec peu d'opérations manuelles. La commande à distance avec le terminal Bluetooth BTT est extrêmement confortable et garantit une vue dégagée sur la procédure de montage.

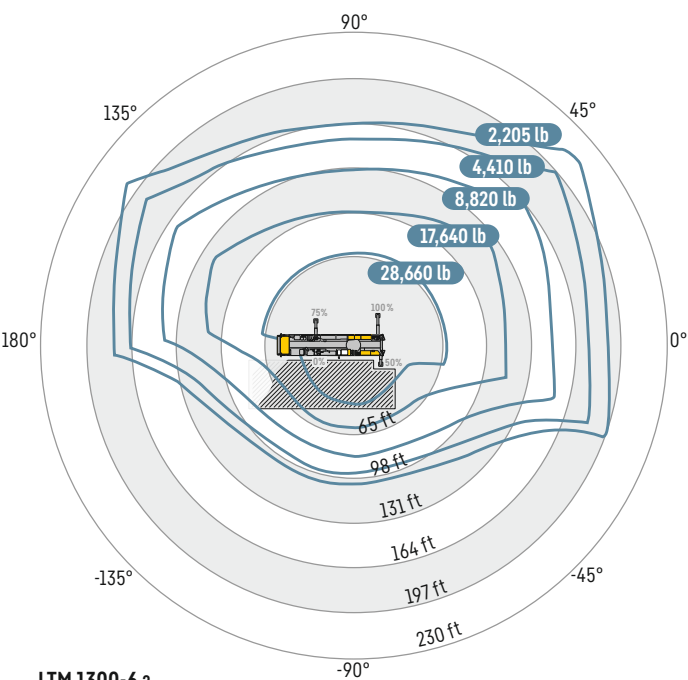
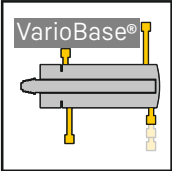


Automised erection of the luffing jib. Dead easy operation relieves the crane driver and caters for increased safety
 Relevage automatisé de la flèche à volée variable – un jeu d'enfant et une sécurité accrue pour le grutier



Automatic ballasting by pressing a button
 Lestage automatique par simple pression d'un bouton



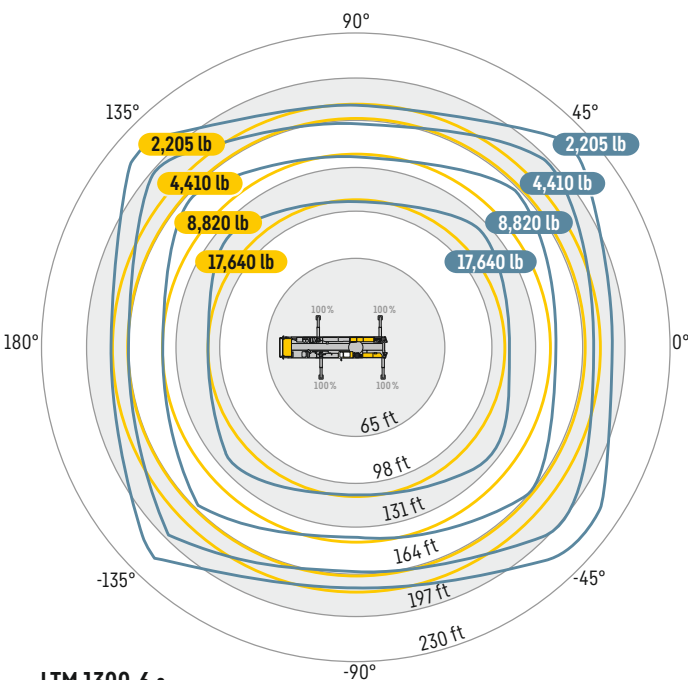


LTM 1300-6.2



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

US3144.01



LTM 1300-6.2

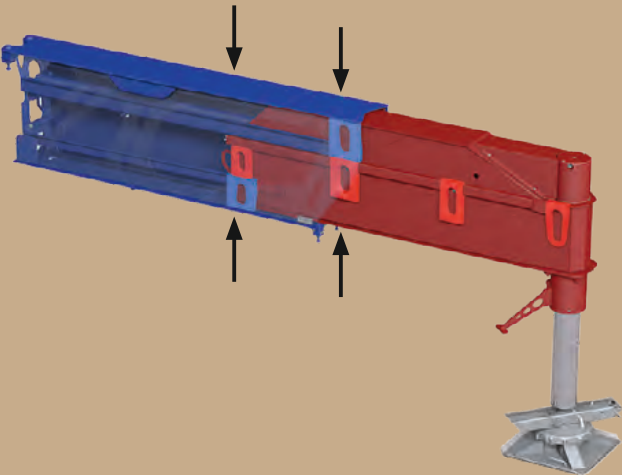


Higher lifting capacity and larger working range
Une capacité plus importante et une zone de travail plus large

US3143.01

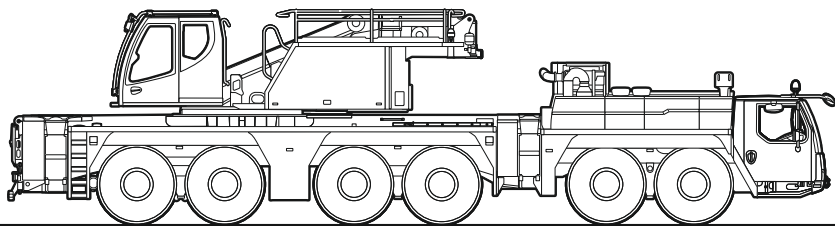
Greater safety
The maximum lifting capacities are calculated individually and precisely for every situation. This ensures safe working practice with any chosen support base. The LTM 1300-6.2 has securing positions at 0%, 50%, 75% and 100%.

Sécurité accrue
Les charges autorisées sont calculées individuellement et en fonction de la situation actuelle. Les opérations sont ainsi sécurisées avec chaque base de calage au choix. La LTM 1300-6.2 dispose de positions de verrouillage à 0%, 50%, 75% et 100%.



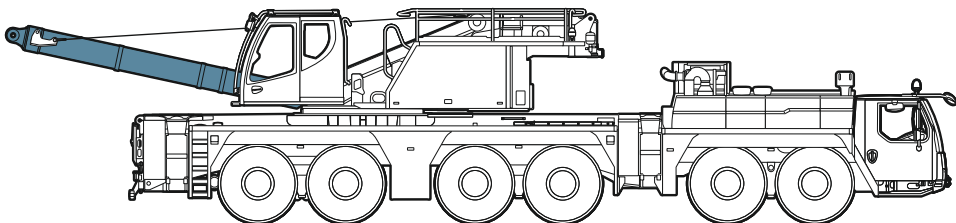
On-road driving

Déplacement sur route



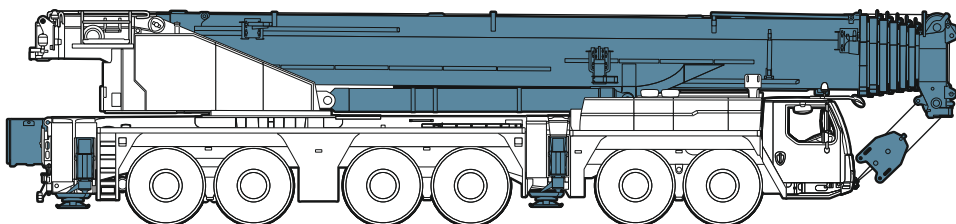
≤ 83,800 lb

≤ 14,350 lb ≤ 14,350 lb ≤ 14,350 lb ≤ 14,350 lb



≤ 88,200 lb

≤ 16,550 lb ≤ 16,550 lb ≤ 13,250 lb ≤ 13,250 lb

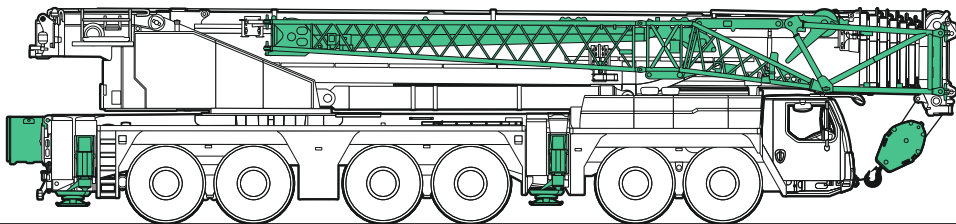


≤ 158,750 lb

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

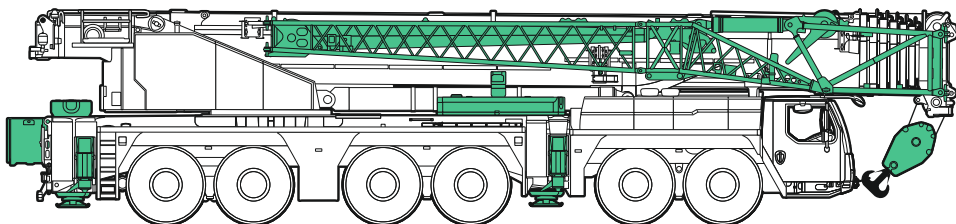
Jobsite driving

Déplacement sur chantier



≤ 167,600 lb

≤ 27,600 lb ≤ 27,600 lb ≤ 29,750 lb ≤ 29,750 lb



≤ 211,650 lb

≤ 36,400 lb ≤ 36,400 lb ≤ 34,200 lb ≤ 34,200 lb



US3677

Variable boom systems

Systèmes de flèche variables

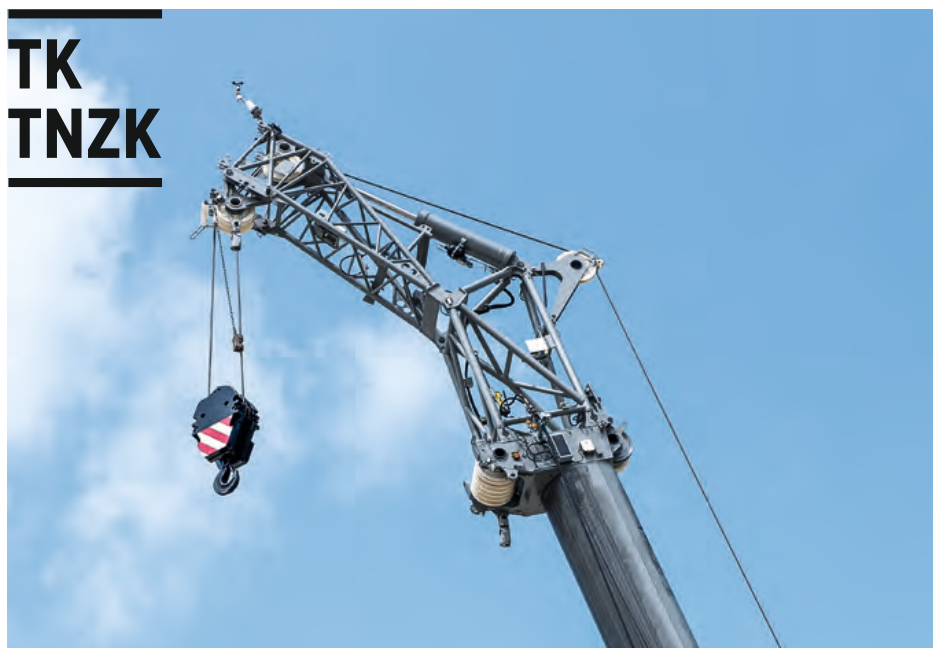
Hose reel for hydraulic adjustment of the folding jib

Tambour à flexible pour le réglage hydraulique de la pointe repliable



18 ft 1 in integral erection jib, hydraulically adjustable

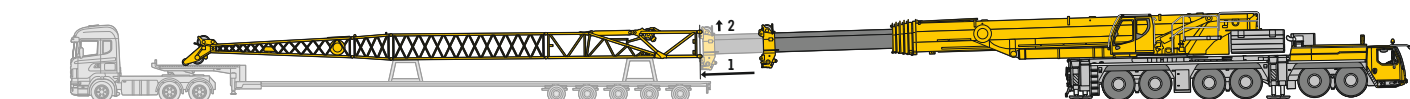
Fléchette de montage intégrée de 18 ft 1 in de long, à réglage hydraulique



Self-assembly of the fixed jib

Montage autonome de la fléchette fixe

TF

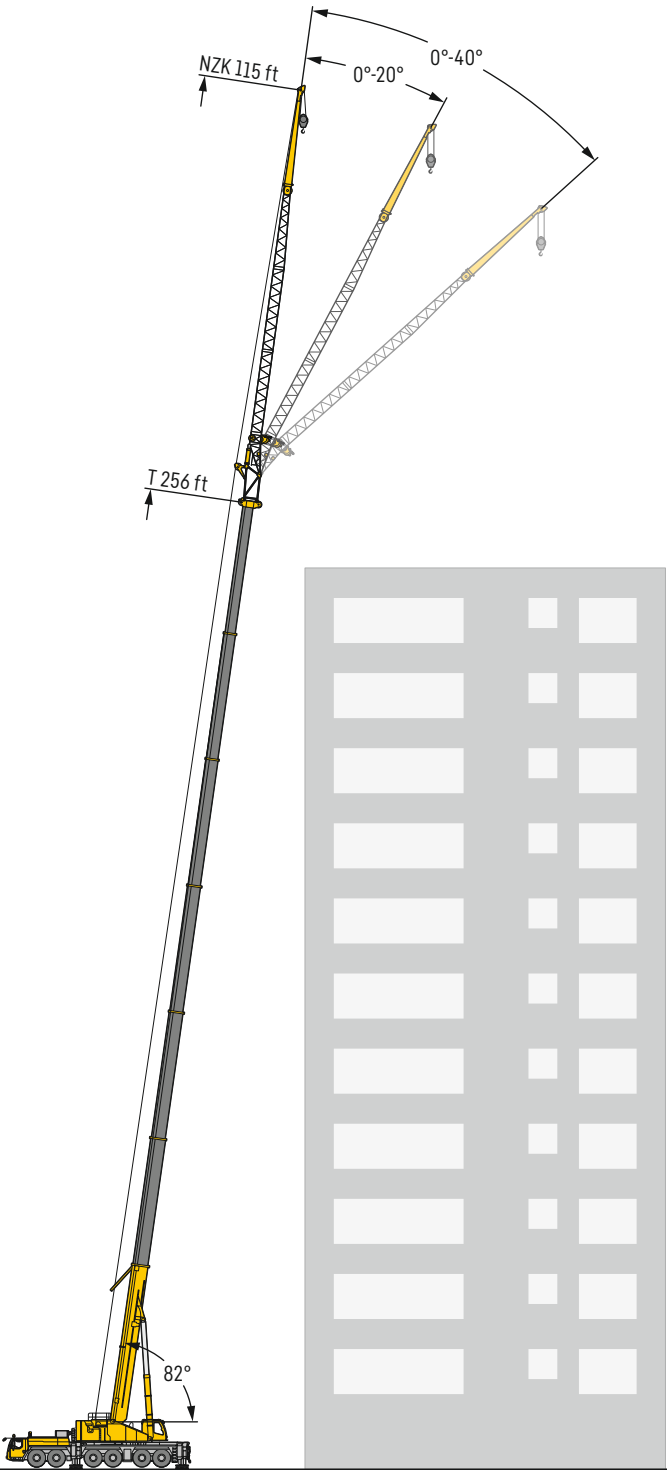


S2945.01

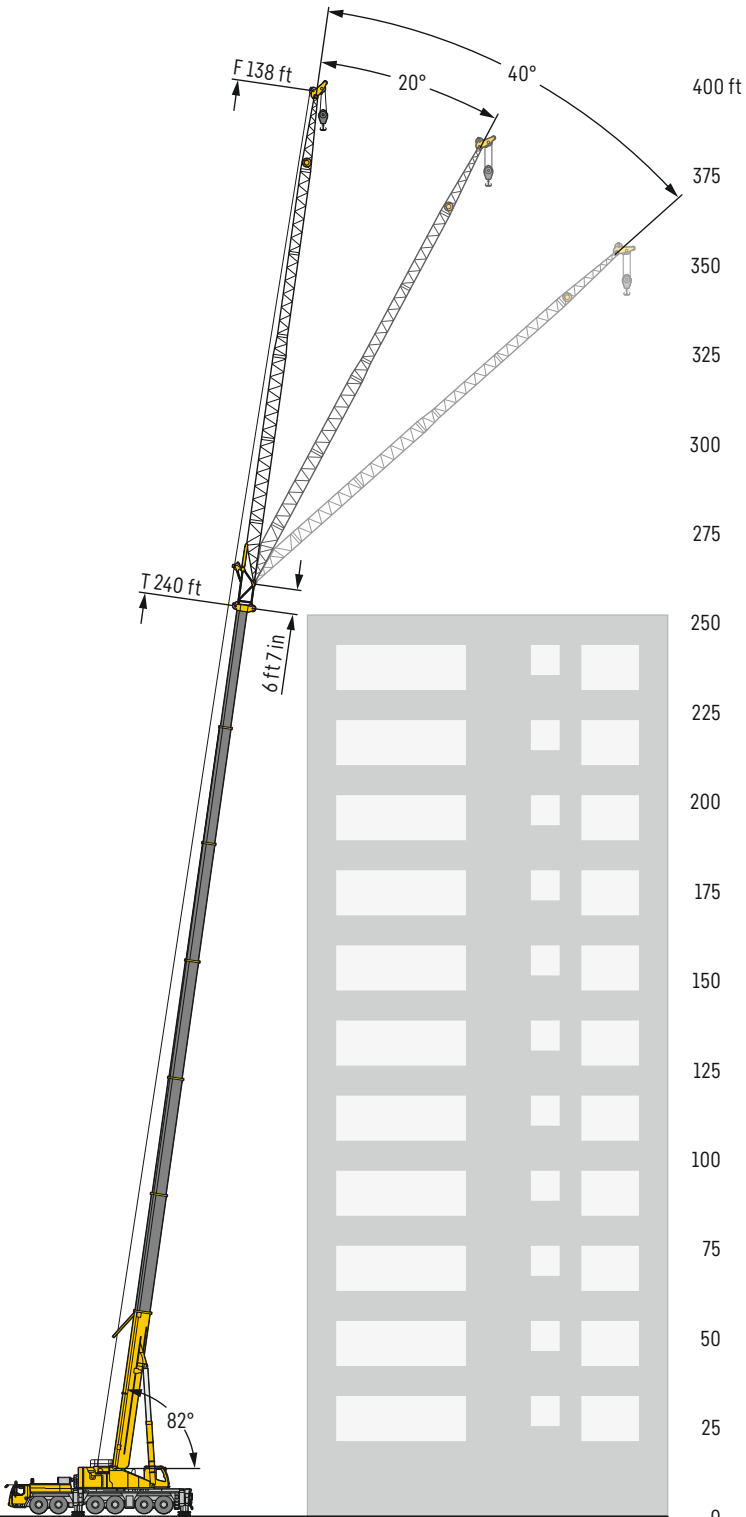
Variable boom systems

Systèmes de flèche variables

TK
TN
ZK



TF



US3142.01

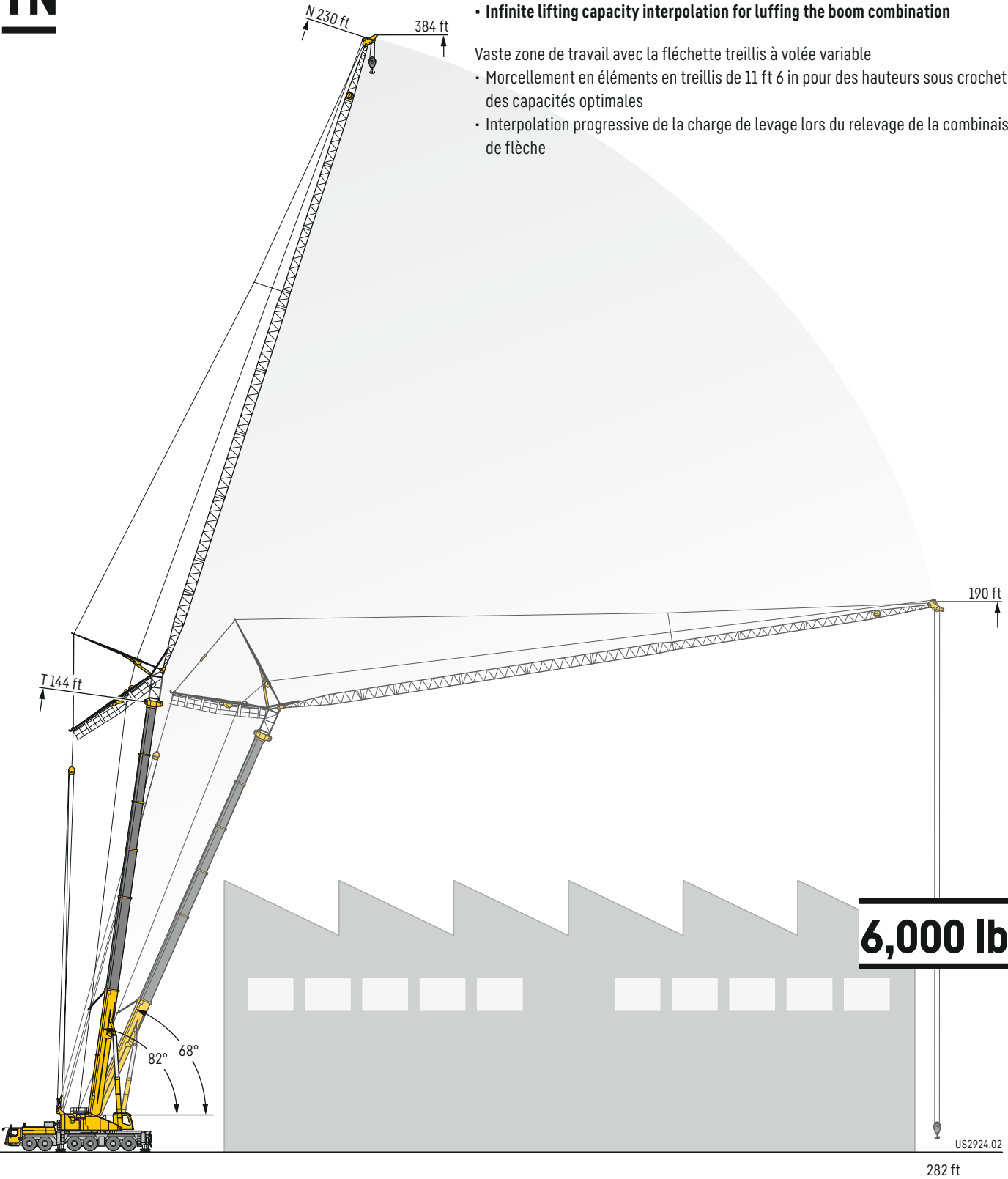
Variable boom systems

Systèmes de flèche variables

TN

- Enormous working range with luffing lattice jib
- Divided into 11 ft 6 in lattice sections for improved hoist heights and load capacities
 - Infinite lifting capacity interpolation for luffing the boom combination

- Vaste zone de travail avec la fléchette treillis à volée variable
- Morcellement en éléments en treillis de 11 ft 6 in pour des hauteurs sous crochet et des capacités optimales
 - Interpolation progressive de la charge de levage lors du relevage de la combinaison de flèche

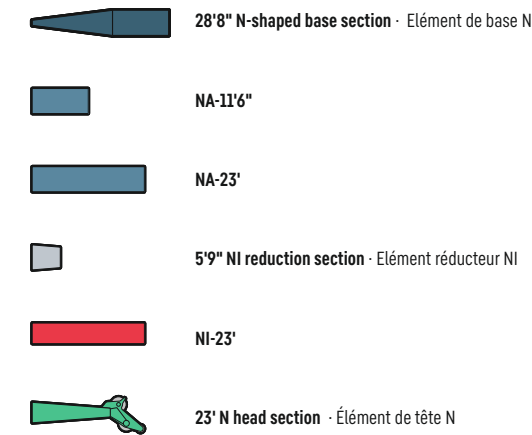
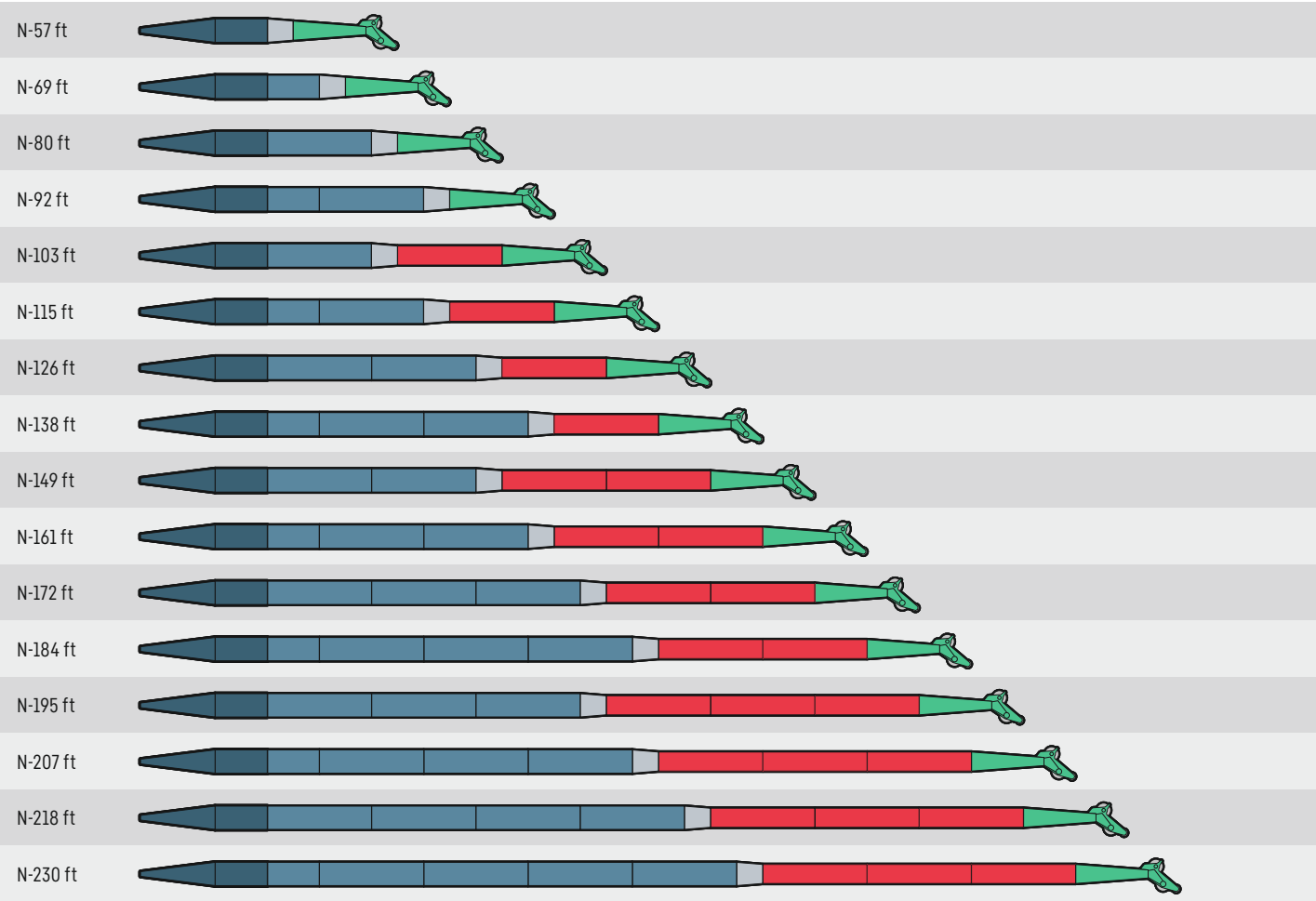


Infinite lifting capacity interpolation · Interpolation progressive de la charge de levage

Boom/jib combinations – Luffing fly jib

Configurations de flèche – Fléchette à volée variable

TN

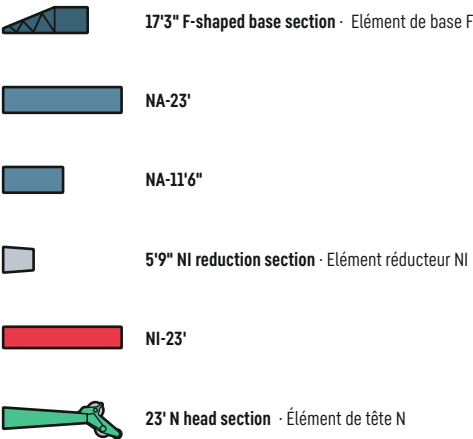
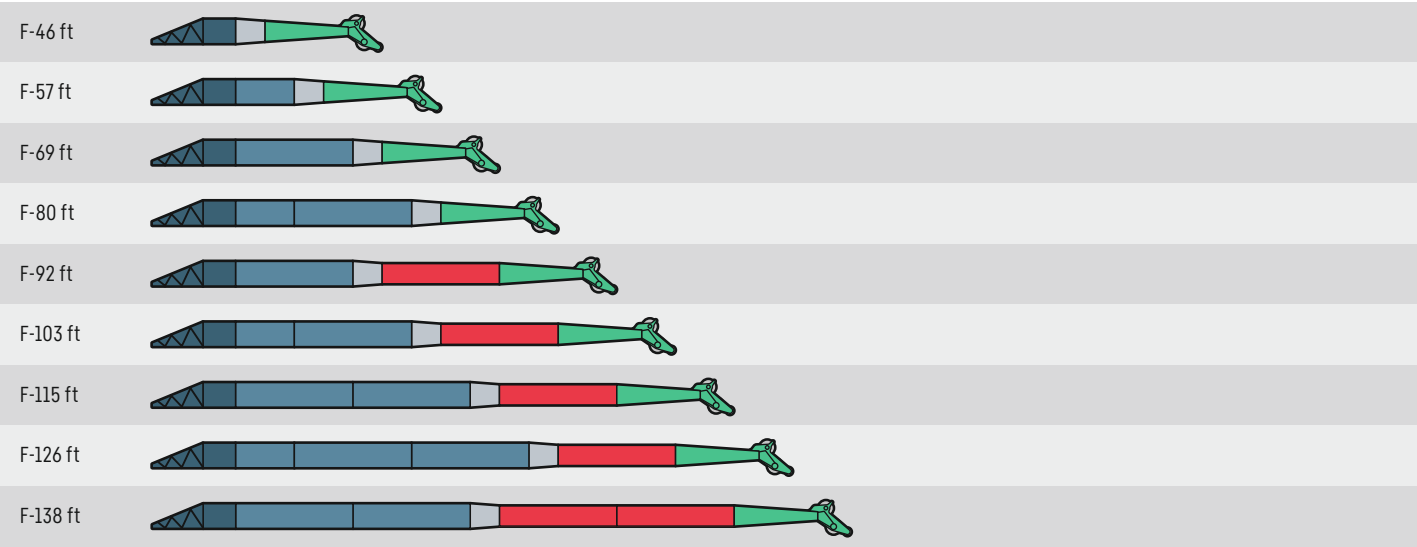


US2750.01

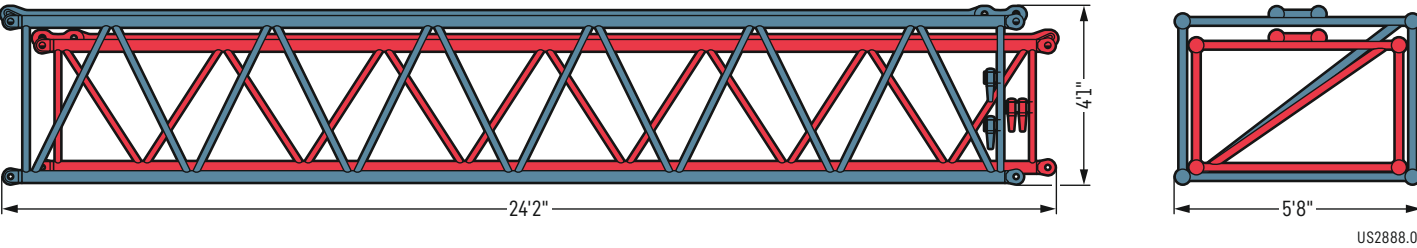
Boom/jib combinations – Luffing fly jib

Configurations de flèche – Fléchette à volée variable

TF



US2749.01



Boom/jib combinations

Configurations de flèche

T Telescopic boom - Flèche télescopique

K/NZK Mechanically/hydraulically adjustable folding jib
Pointe pliante réglable mécaniquement/hydrauliquement

F Fixed lattice jib
Fléchette treillis fixe

N Luffing fly jib
Fléchette treillis à volée variable

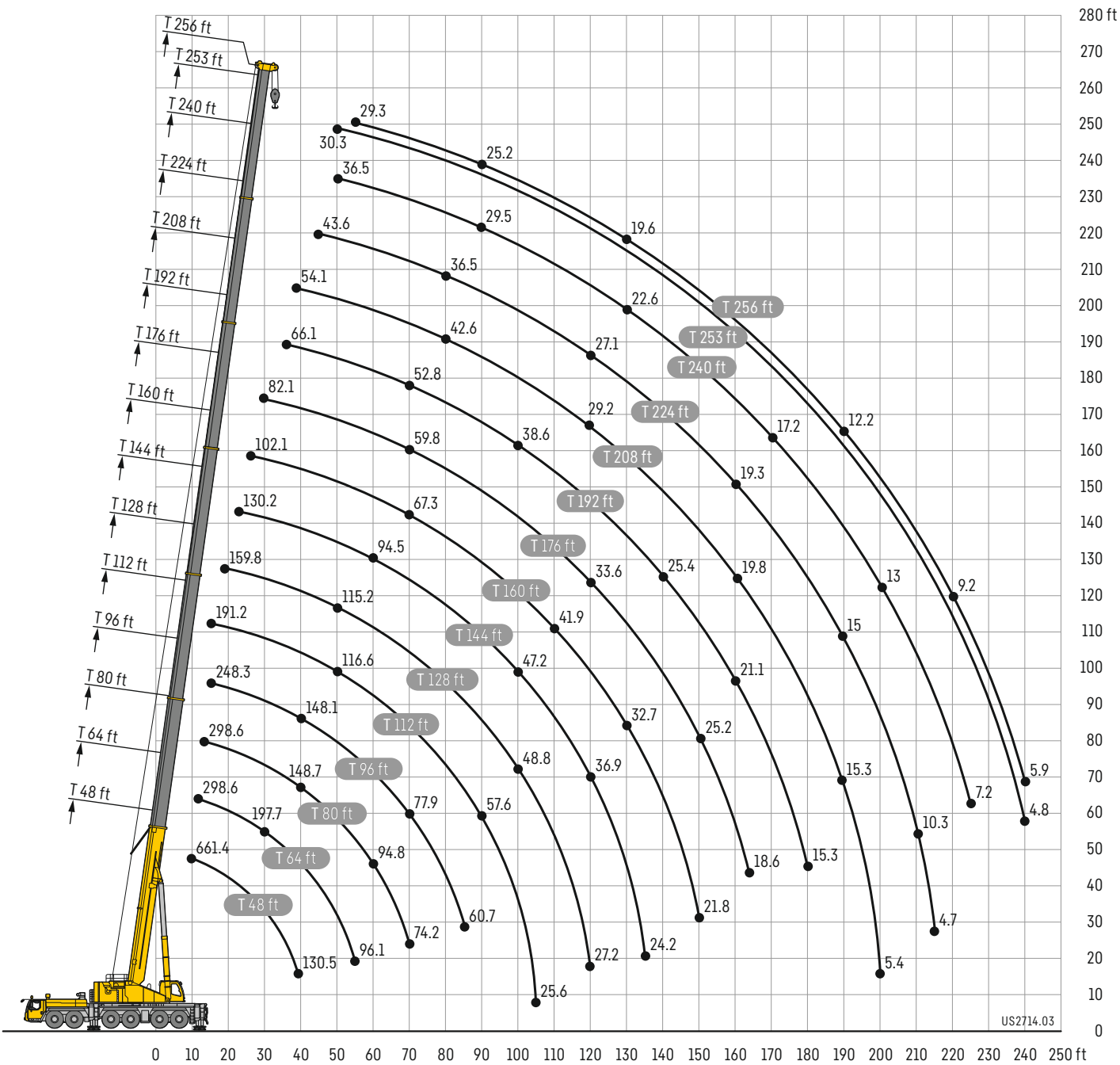


S2729.02

Lifting heights

Hauteurs de levage

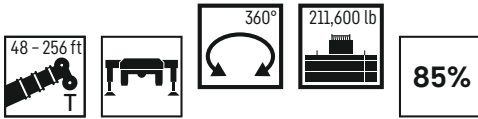
T



Lifting capacities

Forces de levage

T



	48 ft		64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
	*																
10	661.4	298.6															10
11	504.2	298.6	298.6														11
12	403.4	298.6	298.6	298.6													12
13	385.2	298.6	298.6	298.6													13
14	365.9	298.6	298.6	298.6													14
15	349.7	298.6	298.6	298.6	248.3	191.2											15
16	332.8	298.6	298.6	290.6	247.8	198.4											16
17	318	297.3	296.2	279.6	246.7	198											17
18	307.3	293.5	287.2	272.7	245.5	197.6											18
19	297.7	284.4	278.8	264.2	244.2	197.1	159.8										19
20	288.4	274.8	270.9	256.3	241.9	196.2	159.3										20
22	271.3	256.4	257.1	241.9	230.3	194.3	158.3	130.2									22
24	255	239.4	241.2	229.6	217.8	192.3	157.4	129.7									24
26	235.7	223	225	218.6	206.8	190.4	156.4	129.2	102.1								26
28	218.2	208.6	210.6	208	197	186.8	155.4	128.6	101.9								28
30	202.9	195.8	197.7	197.6	188.3	182.4	154.4	128	101.6	82.1							30
32	189.4	184.2	186.1	186.5	180.4	174.6	153.2	127.4	101.2	82							32
34	177.5	173.3	175.3	175.9	172.7	167.5	151.9	126.8	100.9	81.8	66.1						34
36	166.8	163.6	165.4	166.1	165.2	161.1	150.5	126.1	100.5	81.5	65.8						36
38	156	154.6	156.5	157.2	156.6	155.1	147.1	125.1	99.1	81.1	65.6	54.1					38
40	130.5	130.5	148	148.7	148.1	148.7	142.2	123.9	97.6	80.6	65.4	53.9					40
45			130	130.1	132.1	131.7	129.4	120.6	92.3	78.6	64.6	53.4	43.6				45
50			115.9	117.4	117.5	116.6	115.2	114.3	86.4	75.4	63.3	52.9	43.3	36.5	30.3		50
55			96.1	105.1	105.2	104.3	104.9	104.3	81.2	71.2	61.2	52.1	42.5	36.1	30.1	29.3	55
60				94.8	94.8	93.9	96.1	94.5	76.2	67.3	58.4	50.5	41.5	35.4	29.9	29.2	60
65				85.7	85.7	84.7	86.9	85.4	71.5	63.5	55.5	48.5	40.4	34.6	29.4	28.8	65
70				74.2	77.9	78.8	79.1	77.6	67.3	59.8	52.8	46.5	39.1	33.7	28.8	28.4	70
75					71.1	73.3	72.3	70.8	63.3	56.2	50.1	44.5	37.8	32.7	28	27.7	75
80					65.3	67.4	66.4	64.8	59.6	53.1	47.5	42.6	36.5	31.6	27.1	26.8	80
85					60.7	62.2	61.2	59.6	56.2	50.1	45.1	40.6	35.3	30.5	26.3	26	85
90						57.6	56.6	55	52.8	47.3	42.9	38.7	34	29.5	25.4	25.2	90
95						53.6	52.5	50.9	49.3	44.9	40.7	36.9	32.8	28.6	24.6	24.4	95
100						49.3	48.8	47.2	45.7	42.5	38.6	35.2	31.6	27.6	23.8	23.6	100
105						25.6	45.5	43.9	43.4	40.1	36.8	33.6	30.5	26.7	23	22.9	105
110							42.5	40.9	41.9	38.1	34.9	32.1	29.3	25.7	22.3	22.2	110
115							39.5	38.1	39.7	36	33.1	30.6	28.2	25	21.5	21.5	115
120							27.2	36.9	37.2	33.6	31.5	29.2	27.1	24.2	20.9	20.8	120
125								35.9	34.9	32.1	30.1	27.9	26	23.4	20.2	20.2	125
130								34.3	32.7	30.7	28.6	26.5	25	22.6	19.6	19.6	130
135								24.2	30.7	28.7	27.1	25.4	23.9	22	19	19	135
140									28.9	26.9	25.4	24.2	22.9	21.3	18.4	18.4	140
145									27	25.9	24.3	23.1	22	20.6	17.8	17.7	145
150									21.8	25.2	23.3	22.1	21.1	20	17.3	17.1	150
155										24.7	22.4	21.1	20.2	19.3	16.7	16.5	155
160										23.4	21.1	19.8	19.3	18.6	16.2	15.8	160
165										18.6	19.8	19.1	18.5	17.9	15.6	15.2	165
170											19.1	18.4	17.8	17.2	15.1	14.6	170
175											18.7	17.8	16.9	16.5	14.6	14	175
180											15.3	17.1	16	15.9	14.2	13.3	180
185												16.2	15.5	15.3	13.7	12.7	185
190												15.3	15	14.6	13.2	12.2	190
195												13.2	14.6	13.9	12.8	11.6	195
200												5.4	14.2	13	12.3	11.1	200
205													13.5	12.2	11.9	10.6	205
210													10.3	11.4	11.4	10.1	210
215													4.7	10.7	10.9	9.6	215
220														9.9	10.2	9.2	220
225														7.2	9.5	8.7	225
230															8.8	8.3	230
235															7.6	7.9	235
240															4.8	5.9	240

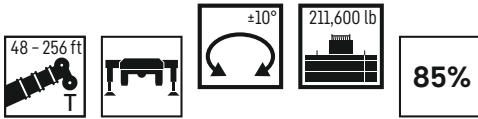
* over rear / en arrière

† 240_001_50001_00_000 / 001_50301_00_000

Lifting capacities

Forces de levage

T



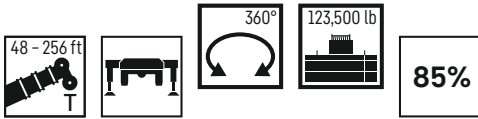
	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
10	298.6															10
11	298.6	298.6														11
12	298.6	298.6	298.6													12
13	298.6	298.6	298.6													13
14	298.6	298.6	298.6													14
15	298.6	298.6	298.6	248.3	191.2											15
16	298.6	298.6	290.6	247.8	198.4											16
17	298.6	296.2	279.6	246.7	198											17
18	298.6	287.2	272.7	245.5	197.6											18
19	294.9	278.8	264.2	244.2	197.1	159.8										19
20	288.4	270.9	256.3	241.9	196.2	159.3										20
22	271.3	257.2	241.9	230.3	194.3	158.3	130.2									22
24	255	242.8	229.6	217.8	192.3	157.4	129.7									24
26	235.7	230.1	218.6	206.8	190.4	156.4	129.2	102.1								26
28	218.2	218.3	208	197	186.8	155.4	128.6	101.9								28
30	202.9	205.1	198	188.3	182.4	154.4	128	101.6	82.1							30
32	189.4	191.5	188.9	180.4	174.6	153.2	127.4	101.2	82							32
34	177.5	179.5	179.5	172.7	167.5	151.9	126.8	100.9	81.8	66.1						34
36	166.8	168.7	169.5	165.2	161.1	150.5	126.1	100.5	81.5	65.8						36
38	156	159.1	159.8	158.1	155.1	147.1	125.1	99.1	81.1	65.6	54.1					38
40	130.5	150.5	151.1	150.6	149.2	142.2	123.9	97.6	80.6	65.4	53.9					40
45		131.9	132.6	132.2	133.9	130.1	120.6	92.3	78.6	64.6	53.4	43.6				45
50		118.4	117.6	119.9	119	117.7	115.2	86.4	75.4	63.3	52.9	43.3	36.5	30.3		50
55		96.1	107.6	107.6	106.8	105.5	106.9	81.2	71.2	61.2	52.1	42.5	36.1	30.1	29.3	55
60			97.3	97.4	96.5	98	97.1	76.2	67.3	58.4	50.5	41.5	35.4	29.9	29.2	60
65			88.4	88.4	87.4	89.6	88.1	71.5	63.5	55.5	48.5	40.4	34.6	29.4	28.8	65
70			74.2	80.6	79.6	81.8	80.3	67.3	59.8	52.8	46.5	39.1	33.7	28.8	28.4	70
75				73.8	74	74.9	73.5	63.3	56.2	50.1	44.5	37.8	32.7	28	27.7	75
80				68	69.8	69	67.5	59.6	53.1	47.5	42.6	36.5	31.6	27.1	26.8	80
85				60.7	64.8	63.8	62.2	56.2	50.1	45.1	40.6	35.3	30.5	26.3	26	85
90					60.2	59.1	57.6	52.8	47.3	42.9	38.7	34	29.5	25.4	25.2	90
95					56.1	55	53.4	49.5	44.9	40.7	36.9	32.8	28.6	24.6	24.4	95
100					49.3	51.3	49.7	46.9	42.5	38.6	35.2	31.6	27.6	23.8	23.6	100
105					25.6	47.9	46.3	44.3	40.1	36.8	33.6	30.5	26.7	23	22.9	105
110						44.9	43.2	41.9	38.1	34.9	32.1	29.3	25.7	22.3	22.2	110
115						39.6	40.4	40.6	36.2	33.1	30.6	28.2	25	21.5	21.5	115
120						27.2	37.9	39.2	34.4	31.5	29.2	27.1	24.2	20.9	20.8	120
125							35.9	37	32.7	30.1	27.9	26	23.4	20.2	20.2	125
130							34.7	34.9	31.1	28.6	26.5	25	22.6	19.6	19.6	130
135							24.2	32.9	29.3	27.2	25.4	23.9	22	19	19	135
140								31	27.9	26	24.2	22.9	21.3	18.4	18.4	140
145								27.5	26.8	24.8	23.1	22	20.6	17.8	17.7	145
150								21.8	25.6	23.6	22.1	21.1	20	17.3	17.1	150
155									24.7	22.6	21.1	20.2	19.3	16.7	16.5	155
160									24	21.6	20.2	19.3	18.6	16.2	15.8	160
165									18.6	20.8	19.3	18.5	17.9	15.6	15.2	165
170										20	18.5	17.8	17.2	15.1	14.6	170
175										18.7	17.8	17	16.5	14.6	14	175
180										15.3	17.2	16.3	15.9	14.2	13.3	180
185											16.6	15.6	15.3	13.7	12.7	185
190											15.7	15	14.6	13.2	12.2	190
195											13.2	14.6	14	12.8	11.6	195
200											5.4	14.2	13.5	12.3	11.1	200
205												13.7	13	11.9	10.6	205
210												10.3	12.5	11.4	10.1	210
215												4.7	11.8	11	9.6	215
220													10.3	10.6	9.2	220
225													7.2	10.2	8.7	225
230														9.6	8.3	230
235														7.6	7.9	235
240														4.8	5.9	240

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Lifting capacities

Forces de levage

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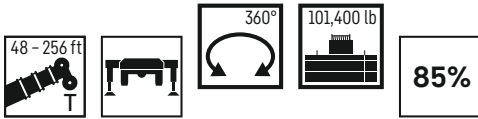
	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
10	298.6															10
11	298.6	298.6														11
12	298.6	298.6	298.6													12
13	298.6	298.6	298.6													13
14	298.6	298.6	298.6													14
15	298.6	298.6	298.6	248.3	191.2											15
16	298.6	298.6	290.6	247.8	198.4											16
17	294.7	296.2	279.6	246.7	198											17
18	283.8	284.5	272.7	245.5	197.6											18
19	272.1	272.9	264.2	244.2	197.1	159.8										19
20	260.7	262.7	256.3	241.9	196.2	159.3										20
22	239.6	241.8	241.8	230.3	194.3	158.3	130.2									22
24	220.5	222.6	223.1	217.7	192.3	157.4	129.7									24
26	202.5	204.9	205.8	204.4	190.4	156.4	129.2	102.1								26
28	187	189.3	190.1	189.2	186	155.4	128.6	101.9								28
30	173.4	176.4	176.2	178.5	173.9	154.4	128	101.6	82.1							30
32	160.9	164.8	166.5	166.7	162.4	152.7	127.4	101.2	82							32
34	149.3	153.3	155.1	155.4	152.1	145.3	126.8	100.9	81.8	66.1						34
36	139.1	142.9	144.9	144.8	143	136.7	126.1	100.5	81.5	65.8						36
38	130	133.8	135.7	135.9	134.6	131.9	124.2	99.1	81.1	65.6	54.1					38
40	121.9	125.7	127.4	127.6	126.6	126	120.3	97.6	80.6	65.4	53.9					40
45		108.4	110.2	110.2	111.7	110.3	104.3	92.3	78.6	64.6	53.4	43.6				45
50		93.2	95.2	96.8	98.1	96.2	90.7	85.3	75.4	63.3	52.9	43.3	36.5	30.3		50
55		79.9	81.9	85.1	84.8	83.7	79.6	75.8	70.9	61.2	52.1	42.5	36.1	30.1	29.3	55
60			73	74.1	73.8	72.7	70.9	67.8	63.7	58.4	50.5	41.5	35.4	29.9	29.2	60
65			64.4	65.2	64.9	63.7	62.5	61.4	58	54.3	48.5	40.4	34.6	29.4	28.8	65
70			57.2	57.9	57.6	56.5	56.5	56.5	52.6	48.8	46	39.1	33.7	28.8	28.4	70
75				51.8	51.5	50.3	52	50.6	47.3	45.9	42.7	37.8	32.7	28	27.7	75
80				46.7	46.3	46.8	47.2	45.4	42.7	41.8	38.6	36.5	31.6	27.1	26.8	80
85				42.4	41.9	43.9	42.7	40.9	39.9	37.9	36	34.3	30.5	26.3	26	85
90					38.6	40	38.8	37.5	37.7	34.5	34.1	31.7	29.5	25.4	25.2	90
95					36.9	36.6	35.4	34.3	34.7	32.7	31.6	29.1	28.5	24.6	24.4	95
100					34.2	33.7	32.4	32.8	31.7	30.9	28.9	28	27	23.8	23.6	100
105					25.6	31	30.1	30.7	29.1	29.4	27.1	26.5	25.1	23	22.9	105
110						28.6	28.3	28.3	27.2	27	25.9	24.7	23	22	22	110
115						26.5	27.2	26.2	26	24.8	24.4	22.8	21.1	20.6	20.3	115
120						24.7	25.4	24.2	24.4	22.9	22.9	21.1	19.4	19	18.7	120
125							23.6	22.3	22.6	22	21.2	19.5	17.8	17.4	17.1	125
130							22	21.5	20.8	20.6	19.4	18	16.3	16	15.7	130
135							20.5	20.5	19.2	19.1	17.8	16.6	14.9	14.7	14.4	135
140								19	18	17.6	16.4	15.3	13.6	13.4	13.1	140
145								17.7	16.7	16.2	15	14	12.4	12.3	12	145
150								16.6	15.5	15	13.8	12.8	11.3	11.2	10.9	150
155									14.4	13.9	12.6	11.6	10.1	10.2	9.9	155
160									13.4	12.8	11.5	10.5	9.1	9.2	8.9	160
165									12.4	11.8	10.6	9.5	8.1	8.3	8	165
170										10.9	9.6	8.6	7.1	7.4	7.2	170
175										10	8.8	7.7	6.2	6.5	6.3	175
180										9.2	7.9	6.9	5.4	5.7	5.4	180
185											7.2	6.1	4.7	4.9	4.7	185
190											6.5	5.4	3.9	4.2	4	190
195											5.8	4.7		3.5		195
200											5.2	4.1				200
205												3.5				205

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Lifting capacities

Forces de levage

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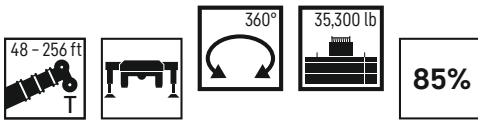
	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
10	298.6															10
11	298.6	298.6														11
12	298.6	298.6	298.6													12
13	298.6	298.6	298.6													13
14	298.6	298.6	298.6													14
15	298.6	298.6	298.6	248.3	191.2											15
16	297.4	298.5	290.6	247.8	198.4											16
17	291.7	291.9	279.6	246.7	198											17
18	278.6	279.1	272.7	245.5	197.6											18
19	266.3	267.7	264.2	244.2	197.1	159.8										19
20	254.5	256.7	255.4	241.9	196.2	159.3										20
22	232	234.6	234.7	229.8	194.3	158.3	130.2									22
24	211.7	214.2	214.6	212.1	192.3	157.4	129.7									24
26	194.3	196.7	197.6	196	189.4	156.4	129.2	102.1								26
28	178.8	182.7	182	184.5	176.8	155.4	128.6	101.9								28
30	164.3	168.5	170.2	170.1	164.3	153.3	128	101.6	82.1							30
32	151.7	155.8	157.4	157.9	152.9	144.8	127.4	101.2	82							32
34	140.6	144.6	146.5	146.7	141.3	137.9	126.8	100.9	81.8	66.1						34
36	130.9	134.8	136.7	136.6	131.1	129	120.6	100.5	81.5	65.8						36
38	122.1	126	128	128.1	125.3	120.1	112.7	99.1	81.1	65.6	54.1					38
40	113.4	117.7	119.7	119.7	118.7	112.1	105.2	96.5	80.6	65.4	53.9					40
45		97.1	99.5	102.8	101.1	95.5	89.7	85.8	78.6	64.6	53.4	43.6				45
50		82.2	85.2	86.5	86.1	82.8	78.3	74.2	70	63.3	52.9	43.3	36.5	30.3		50
55		69.8	72.9	73.9	73.6	72.1	69.7	67.1	63.2	58.9	52.1	42.5	36.1	30.1	29.3	55
60			63.1	64	63.7	62.6	62	60.4	55.9	53.4	49.4	41.5	35.4	29.9	29.2	60
65			55.2	56.1	55.7	55.5	56.7	53.8	50.3	48.2	44.2	40.4	34.6	29.4	28.8	65
70			48.8	49.6	49.2	51.2	50.2	48.1	45.9	42.9	40.7	38.9	33.7	28.8	28.4	70
75				44.2	44.9	45.9	44.8	43.5	42.5	39.7	38.1	35	32.7	28	27.7	75
80				39.6	41.8	41.3	40.1	39.2	39	36.6	34.5	32.7	31.4	27.1	26.8	80
85				35.8	37.8	37.3	36.8	36.9	35.3	34.2	32.3	30.7	29	26.2	26	85
90					34.4	33.9	33.6	33.7	32.4	31.4	30.3	28.4	26.5	25.2	24.7	90
95					31.4	30.9	31.7	30.6	30.8	28.7	28	25.8	24	23.5	23.1	95
100					28.8	28.2	29.1	28	28.1	27.2	25.6	23.6	21.8	21.3	20.9	100
105					25.6	26.9	26.7	26.5	25.8	25.6	23.5	21.5	19.8	19.4	19	105
110						25.2	24.6	24.7	23.6	23.5	21.6	19.7	18	17.6	17.2	110
115						23.3	22.7	22.8	21.9	21.4	19.8	17.9	16.3	16	15.6	115
120						21.6	21	21	20	19.6	18.2	16.4	14.8	14.5	14.2	120
125							19.4	19.3	18.4	17.9	16.6	15	13.3	13.1	12.7	125
130							17.9	17.8	16.8	16.3	15.1	13.6	12	11.8	11.5	130
135							16.6	16.4	15.4	14.9	13.7	12.4	10.8	10.6	10.3	135
140								15.1	14.1	13.7	12.4	11.3	9.7	9.5	9.2	140
145								13.9	12.9	12.5	11.2	10.2	8.6	8.5	8.2	145
150								12.9	11.9	11.3	10.1	9.1	7.6	7.5	7.2	150
155									10.9	10.3	9.1	8.1	6.6	6.6	6.3	155
160									10	9.4	8.1	7.1	5.7	5.8	5.5	160
165									9.1	8.5	7.3	6.2	4.8	5	4.7	165
170										7.7	6.4	5.4	3.9	4.2	3.8	170
175										6.9	5.7	4.6				175
180										6.2	5	3.9				180
185											4.3					185
190											3.7					190

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Lifting capacities

Forces de levage

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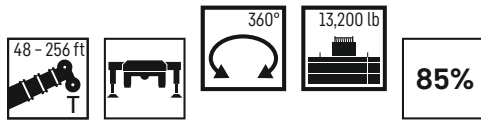
	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
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11	298.6	298.6														11
12	298.6	298.6	298.6													12
13	298.6	298.6	298.6													13
14	298.5	298.6	298.4													14
15	298.1	297.5	292.7	248.3	191.2											15
16	282.9	283.2	280.1	245.7	198.4											16
17	266.1	267.9	266.3	238.9	198											17
18	250.9	253	248.3	223.7	197.4											18
19	236.9	239.5	228.1	205.5	192.6	159.8										19
20	223.4	225.6	210.3	194.2	178.2	155.7										20
22	198.6	196.3	184.6	168.9	160.3	146.5	130									22
24	177.7	171.1	159.4	152.6	141	129.2	118.1									24
26	154.6	148.2	140	134.8	125.2	115.2	107.2	98								26
28	134	130	127.6	120.3	112.1	104.6	97.9	92.6								28
30	114.8	117.5	114	108.1	101.2	96.1	92.1	84.5	75.5							30
32	99.3	105.3	102.7	98.4	92	88.6	84.2	77.6	72.2							32
34	87	94.5	93.5	89.6	84.8	83.1	77.4	71.8	67	59.2						34
36	76.8	84.2	85.4	81.8	78.3	76.8	71.4	66.2	63.3	58.4						36
38	68.4	75.6	78.3	75.5	74.3	71.1	67.2	63	59.8	56.2	50.1					38
40	61.4	68.3	71.8	69.7	69.8	66	62.8	60	56.1	53.3	47.9					40
45		54	57.5	60.6	58.6	55.5	54.8	51.5	49.5	46.9	43.4	39.3				45
50		43.8	47.2	50.2	49.8	49.2	47.1	45.5	42.8	40.7	37.1	33.4	31.1	29.4		50
55		36.1	39.4	42.2	42.6	43	41	39.4	36.8	34.9	31.7	28.3	26.2	25	24.4	55
60			33.2	35.9	36.7	37.3	35.4	34.1	31.9	30.1	27.2	24.2	22.2	21.2	20.7	60
65			28.1	30.9	31.6	32.5	30.9	29.7	27.6	26.1	23.4	20.7	18.7	18	17.6	65
70			23.6	26.5	27.3	28.2	27	26	24	22.6	20.3	17.7	15.7	15.3	14.8	70
75				22.9	23.6	24.6	23.8	22.8	20.9	19.6	17.4	15.2	13	12.9	12.5	75
80				19.7	20.4	21.4	20.9	20	18.2	17.1	15	12.9	10.7	10.6	10.3	80
85				17	17.6	18.6	18.2	17.6	15.9	14.9	12.9	10.9	8.7	8.6	8.3	85
90					15.3	16.2	15.8	15.5	13.8	12.9	10.9	9.1	6.7	6.8	6.3	90
95					13.2	14.2	13.8	13.6	12	11.1	9.2	7.4	4.8	4.9	4.4	95
100					11.5	12.3	11.9	11.8	10.4	9.5	7.6	5.7				100
105					10	10.7	10.3	10.2	9	8	6.2	4				105
110						9.3	8.9	8.7	7.6	6.7	4.6					110
115						8.1	7.6	7.4	6.4	5.5						115
120						7	6.4	6.3	5.3	4.1						120
125							5.4	5.2	4							125
130							4.5	4.2								130
135							3.7									135

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Lifting capacities

Forces de levage

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	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	240 ft	253 ft	256 ft	
10	298.6															10
11	298.6	298.6														11
12	298.6	298.6	298.6													12
13	298.6	298.6	298.6													13
14	295.3	297.5	297.6													14
15	286.2	288.4	267.6	233.8	191											15
16	270.2	271.7	246.9	216.2	195.4											16
17	253.2	248.9	221.5	197.5	177.9											17
18	236.5	224.3	204.9	183.2	166.9											18
19	220.5	203.2	185.6	172.5	155.6	139.4										19
20	201.6	186.2	168.8	158.6	143.8	129.3										20
22	163	153.7	146.1	135.1	123.7	113.4	100.4									22
24	135.6	132.5	125.8	117.3	108	102.8	95.4									24
26	115	114.1	110.2	103.1	96.2	92.8	85.2	76.9								26
28	99.1	99.6	97	91.5	89.2	83.4	78.2	72.4								28
30	85.6	87.9	86.2	83.1	80.6	75.4	70.8	66.9	60.6							30
32	73.3	78.2	77.2	76.5	73.1	68.5	66.4	61.4	58.3							32
34	63.6	70	70	70.1	66.6	64	60.7	57.9	53.6	47.5						34
36	55.6	62.9	63.5	63.8	60.9	59.5	56	52.8	49.1	45.9						36
38	49	56.1	57.4	58.2	55.5	54.4	51.3	48.5	45	42.1	37.8					38
40	42.7	50.3	52	53	51.3	50	47.1	44.7	41.3	38.7	35.3					40
45		37.9	41.2	42.6	41.6	40.9	38.6	36.7	33.9	31.7	28.7	25.2				45
50		29.1	33	35	34.3	34	32.1	30.5	28	26.1	23.5	20.5	17.9	17.4		50
55		22.2	26.3	29	28.6	28.5	26.8	25.6	23.3	21.7	19.2	16.6	14.1	13.8	13.4	55
60			20.8	24.1	23.9	24.1	22.6	21.5	19.5	18	15.7	13.5	10.9	10.7	10.3	60
65			16.6	19.8	20.1	20.4	19.1	18.2	16.3	15	12.7	10.7	8	7.8	7.3	65
70			13.1	16.2	17	17.4	16.1	15.3	13.5	12.3	10.3	8.3	4.9	4.8	4.4	70
75				13.3	14.1	14.8	13.6	12.9	11.2	10.1	8.1	5.6				75
80				10.9	11.6	12.5	11.5	10.8	9.1	8.1	5.6	3.4				80
85				8.9	9.5	10.5	9.5	8.9	7.3	6	3.6					85
90					7.7	8.7	7.9	7.3	5.3	4.1						90
95					6.1	7.1	6.4	5.6	3.4							95
100					4.7	5.6	4.7	3.8								100
105					3.7	3.9										105

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Lifting capacities

Forces de levage

T

48 - 224 ft

360°

0 lb

85%

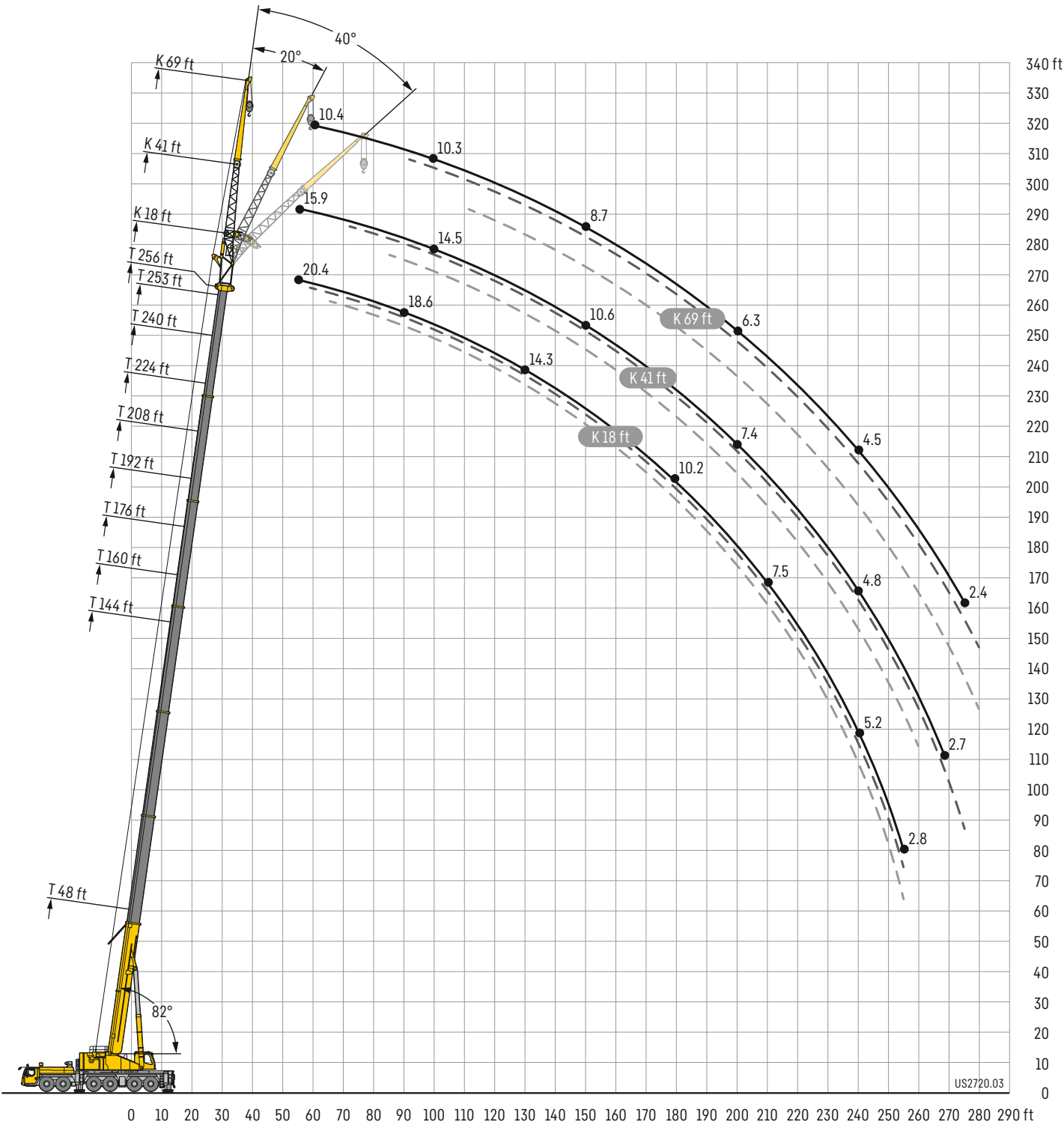
	48 ft	64 ft	80 ft	96 ft	112 ft	128 ft	144 ft	160 ft	176 ft	192 ft	208 ft	224 ft	
10	298.6												10
11	298.6	298.6											11
12	298.6	298.6	298.6										12
13	298.6	298.6	288.7										13
14	293.3	295.3	270.6										14
15	279	273.2	239.5	204.3	171								15
16	261.1	241.7	210.3	188.3	162.3								16
17	239.2	211.8	191.5	171.4	154.9								17
18	211.4	189.7	175.5	158.5	141.4								18
19	186.3	169.2	158.7	143.4	129	114.8							19
20	164.5	154.4	144.1	131.6	118.9	110							20
22	132	128.4	120.6	111.6	104.6	97.8	81.2						22
24	108.9	108.1	103.4	96.4	93.3	85.8	79.4						24
26	91.5	92.6	90.1	87.9	82.3	76	71.9	65.4					26
28	78	80.2	79.1	77.7	72.7	69.5	65	60.2					28
30	65.7	69.3	69.1	68.3	64.9	62.2	57.8	54	45.2				30
32	55.7	59.8	60.4	60.9	57.8	55.7	51.8	48.6	44.6				32
34	47.6	52	53.4	54.1	51.8	50.1	46.8	43.8	40.1	34.5			34
36	40.6	45.6	47.4	48.3	46.7	45.3	42.4	39.7	36.4	33.7			36
38	34.3	40.3	42.3	43.7	42.3	41.1	38.5	36.2	33.1	30.6	26.6		38
40	28.8	35.7	37.8	39.5	38.3	37.5	35.1	33	30.1	27.8	24.7		40
45		26.6	29	31	30.4	30	28.1	26.5	24	22.1	19.3	16.7	45
50		19.1	22.5	24.8	24.4	24.4	22.8	21.4	19.2	17.5	15.1	12.7	50
55		13.6	17.6	19.9	19.7	19.9	18.5	17.4	15.3	13.9	11.6	9	55
60			13.2	16	15.9	16.3	15	14.1	12.3	10.9	8.4	5.5	60
65			9.7	12.8	12.8	13.3	12.1	11.3	9.5	8.1	5.1		65
70			6.9	10.1	10.3	10.8	9.7	8.9	6.8	5.3			70
75				7.7	8	8.6	7.4	6.5	4.3				75
80				5.2	5.7	6.5	5	4.3					80
85					3.6	4.3							85

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Lifting heights

Hauteurs de levage

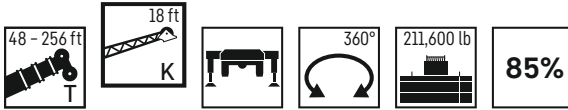
TK



Lifting capacities

Forces de levage

TK



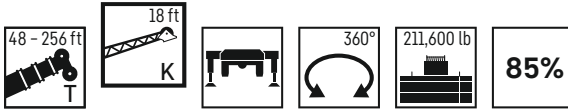
	48 ft			64 ft			80 ft			96 ft			112 ft			128 ft			144 ft			160 ft			
	K 18 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	128.3	101.2																							12
13	125.9	99.2	84.3	130.9	103																				13
14	122.7	97.2	82.9	130.3	101.1		130.4																		14
15	119.5	95.3	81.7	127.6	99.4	83.9	129.2	100.7																	15
16	116.3	93.5	80.5	124.9	97.8	82.8	127.4	99.6		126.8															16
17	113.7	91.8	79.3	122.4	96.2	81.8	125.2	98.2		125.1															17
18	111.2	90.1	78.2	120	94.7	80.8	123.1	96.8	81.8	123.4	97.5		121.2												18
19	108.6	88.4	77.1	117.6	93.3	79.9	121	95.5	81	121.7	96.4		119.9												19
20	106	86.9	76.1	115.2	91.9	78.9	119	94.2	80.2	120	95.3		118.6												20
22	101.2	84	74	110.7	89.2	77.1	115.1	91.7	78.5	116.6	93	79.4	115.9	93.5		105.6									22
24	96.9	81.1	72.2	106.7	86.4	75.3	111.2	89.2	77	113.1	90.8	77.9	113.1	91.5	78.3	105.6	91.1								24
26	92.9	78.6	70.4	102.6	84.1	73.6	107.5	87	75.4	109.9	88.7	76.5	110.2	89.5	77	105.3	89.6		95.2						26
28	89.1	76.1	68.8	98.8	81.8	72.2	104.2	84.8	74.1	106.9	86.7	75.2	107.5	87.6	75.8	104.7	88.2	76.8	94.7	83.6					28
30	86	73.8	67.3	95.4	79.5	70.8	101.1	82.8	72.7	103.9	84.8	73.9	104.8	85.8	74.6	103.9	86.9	75.8	94.2	82.7		79.4			30
32	82.8	71.9	65.9	92.3	77.5	69.4	98	81	71.4	100.9	83	72.8	102.4	84.2	73.5	102.4	85.6	74.8	93.4	81.7	73	79.4			32
34	79.9	70.1	64.7	89.2	75.6	68.2	95.1	79.2	70.2	98.5	81.2	71.6	100.1	82.6	72.4	100.8	84.3	73.9	92.4	80.7	72.2	79.3	73.9		34
36	77.4	68.3	63.6	86.5	73.8	67	92.4	77.5	69.1	96.1	79.6	70.5	97.8	81.1	71.4	99.1	83.1	73	91.5	79.8	71.4	79	73.3	67.7	36
38	74.9	66.7	62.6	84.1	72.1	65.9	89.9	75.9	68	93.7	78.2	69.5	95.6	79.7	70.5	97.4	81.8	72.2	90.4	78.8	70.7	78.6	72.7	67.2	38
40	72.6	65.2	61.7	81.7	70.7	64.9	87.6	74.3	67	91.4	76.8	68.5	93.6	78.2	69.5	95.7	80.6	71.3	89.3	77.9	69.9	78.2	72	66.6	40
45	67.9	62.2	60.1	76.3	67.2	62.7	82.3	70.8	64.8	86.3	73.3	66.3	88.9	75.2	67.4	91.6	77.6	69.4	86.3	75.4	68.2	76.5	70.2	65.2	45
50	64.1	59.9	59.4	71.7	64.3	60.9	77.7	67.9	62.9	81.8	70.4	64.3	84.4	72.3	65.5	88	75	67.5	83.1	73.2	66.6	73.6	67.9	63.7	50
55	60.5	58.2	9.1	68	61.9	59.7	73.7	65.2	61.2	78	67.8	62.6	80.7	69.7	63.7	84.3	72.5	66	78.7	71	65.1	69.8	65.1	61.7	55
60				64.7	59.9	32.6	70.2	63	59.9	74.4	65.6	61.2	77.2	67.3	62.2	81.2	70.2	64.4	73.8	69	63.8	66.1	62.3	59.3	60
65				62.2	58.8	16	67.2	61.1	58.9	71.2	63.4	59.9	74.2	65.3	60.9	78.2	68.3	63.1	69.1	66.9	62.6	62.5	59.9	57.1	65
70				59.3	57.5	9.5	64.5	59.6	47.6	68.4	61.7	59	71.4	63.5	59.8	74.8	66.5	61.9	64.9	64.3	61	59	57.5	55.1	70
75				41.9			62.3	58.4	22.2	65.9	60.1	58.1	68.9	61.7	58.8	68.5	64.9	60.9	60.9	60.6	58.8	55.6	55.1	53.1	75
80							60.5	57.8	13.8	63.9	58.9	57.8	64.2	60.4	58	62.6	63	60.1	57.1	56.9	56.4	52.7	52.5	51.1	80
85							58.2	55.9	9.2	60.2	57.8	29	59	59	57.4	57.3	57.9	58	53.7	53.6	53.6	49.8	49.8	49	85
90							40.8	13.5		55.6	55.9	18.1	54.4	54.8	55	52.7	53.3	53.5	51.4	50.4	50.5	47.2	47.2	46.9	90
95										51.5	51.8	12.5	50.2	50.6	37.1	48.6	49.1	49.3	49.3	47.1	47.4	44.9	44.8	44.8	95
100										47.9	44.9	9	46.6	46.9	22.6	44.9	45.3	45.5	46.2	45.1	44.3	42.6	42.6	42.6	100
105										35.8	15.6	5.7	43.3	43.5	15.8	43.1	41.9	40.7	42.9	43.1	42.9	40.3	40.4	40.5	105
110													40.3	40.5	11.7	41.4	40.2	27.7	39.9	40.2	40.4	38.2	38.2	38.3	110
115													37.6	37.7	8.9	38.9	39	19.2	37.1	37.4	37.6	35.5	35.9	36.1	115
120													31	17	6.3	36.4	36.6	14.4	34.6	34.9	32.4	33	33.3	33.5	120
125																34.1	34.3	11.2	32.3	32.5	22.8	31.3	31.4	31.5	125
130																32	32.1	8.8	30.2	30.4	17.2	29.5	29.8	29.9	130
135																25	18.2	6.6	28.2	28.3	13.5	27.5	27.7	26.7	135
140																			26.3	26.4	10.8	25.6	25.8	20.1	140
145																			24.6	24.7	8.7	23.8	24	15.8	145
150																			20.7	19	6.9	22.2	22.4	12.7	150
155																						20.7	20.9	10.5	155
160																						19.4	19.4	8.6	160
165																						16.4	16.4	7	165
170																						10.5	9.4		170

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Lifting capacities

Forces de levage

TK



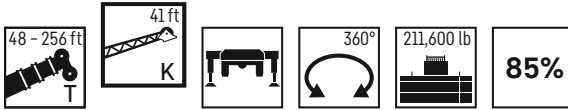
	176 ft			192 ft			208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
34	64.7																					34
36	64.5																					36
38	64.2	64.7		51.5																		38
40	64	64.5		51.3																		40
45	63.2	63.7	61	50.8	51.2	51.4	41.6															45
50	62.2	62.8	60	50.3	50.7	51.2	41.2	41.5	42.2	34			25.4									50
55	60.7	60.6	58.7	49.7	50	50.5	40.9	41.2	41.3	33.8	33.8	34.1	25.3	25.4		21			20.4			55
60	57.9	57.8	56.7	48.7	48.8	49	40.3	40.1	40.2	33.2	33.2	33.5	25.1	25.2	25.1	21	21		20.4	20.4		60
65	55	54.9	54.4	46.9	47	47.2	39.1	38.9	39	32.5	32.4	32.6	24.9	24.9	25	20.9	20.9	20.9	20.3	20.4	20.3	65
70	52.2	52.2	52.1	44.9	45	45.3	37.9	37.7	37.7	31.6	31.4	31.5	24.6	24.5	24.6	20.7	20.7	20.8	20.2	20.3	20.3	70
75	49.6	49.5	49.7	43	43.1	43.3	36.6	36.4	36.3	30.6	30.3	30.4	24.1	24	24.1	20.4	20.3	20.4	20	20	20.1	75
80	46.9	47	47.1	41.1	41.1	41.4	35.3	35	34.9	29.5	29.3	29.3	23.5	23.4	23.5	19.9	19.9	19.9	19.6	19.6	19.6	80
85	44.4	44.4	44.6	39.2	39.2	39.5	34	33.7	33.6	28.5	28.3	28.3	22.8	22.8	22.8	19.4	19.3	19.4	19.1	19.1	19.1	85
90	42.1	42.1	42.3	37.3	37.4	37.6	32.7	32.4	32.3	27.5	27.3	27.3	22.2	22.1	22.2	18.8	18.7	18.8	18.6	18.5	18.5	90
95	39.8	40	40.1	35.5	35.6	35.8	31.4	31.2	31.1	26.6	26.3	26.3	21.5	21.4	21.5	18.2	18.1	18.2	18	17.9	18	95
100	37.7	37.8	38	33.8	33.9	34.1	30.1	30	29.9	25.6	25.4	25.4	20.9	20.7	20.8	17.6	17.5	17.6	17.4	17.4	17.4	100
105	35.9	35.9	36	32.1	32.2	32.5	28.9	28.8	28.8	24.7	24.5	24.5	20.2	20.1	20.1	17	16.9	17	16.8	16.8	16.8	105
110	34	34.2	34.3	30.6	30.6	30.9	27.6	27.6	27.6	23.7	23.6	23.6	19.5	19.4	19.5	16.5	16.4	16.4	16.3	16.2	16.3	110
115	32.2	32.4	32.5	29.1	29.2	29.4	26.3	26.4	26.5	22.9	22.7	22.7	18.9	18.8	18.8	15.9	15.8	15.9	15.8	15.7	15.7	115
120	30.6	30.7	30.8	27.7	27.8	28	25.1	25.2	25.3	22.1	21.9	21.9	18.2	18.1	18.2	15.4	15.3	15.4	15.3	15.2	15.2	120
125	29.1	29.2	29.3	26.3	26.5	26.6	24	24	24.2	21.3	21.2	21.2	17.6	17.5	17.6	14.8	14.8	14.8	14.7	14.7	14.7	125
130	27.7	27.7	27.9	25	25.2	25.3	22.9	23	23.1	20.5	20.4	20.4	17.1	17	17	14.3	14.3	14.3	14.3	14.2	14.2	130
135	25.8	26.1	26.3	23.8	23.9	24	21.8	22	22.1	19.7	19.6	19.7	16.5	16.4	16.5	13.8	13.8	13.8	13.8	13.7	13.8	135
140	23.9	24.2	24.4	22.7	22.8	22.9	20.8	20.9	21	19	18.9	19	15.9	15.9	15.9	13.4	13.4	13.4	13.3	13.3	13.3	140
145	22.9	22.9	23	21.5	21.7	21.8	19.8	19.9	20	18.2	18.2	18.3	15.4	15.4	15.4	12.9	12.9	12.9	12.9	12.8	12.9	145
150	21.9	21.9	22	20.5	20.6	20.7	18.9	19	19.1	17.5	17.5	17.6	15	14.9	14.9	12.5	12.5	12.5	12.4	12.4	12.4	150
155	20.6	20.8	18.2	19.2	19.5	19.6	17.9	18.1	18.2	16.7	16.8	16.9	14.5	14.4	14.5	12.1	12.1	12.1	12	12	12	155
160	19.2	19.3	14.7	17.8	18.1	18.1	17.1	17.2	17.3	16	16.1	16.2	14	14	14	11.7	11.7	11.7	11.7	11.6	11.7	160
165	17.8	18	12.2	17	17.1	17.1	16.2	16.3	16.4	15.3	15.4	15.4	13.6	13.5	13.6	11.3	11.3	11.3	11.3	11.3	11.3	165
170	16.6	16.7	10.2	16.3	16.3	16.4	15.4	15.6	15.6	14.6	14.6	14.7	13.1	13.1	13.1	10.9	10.9	11	10.9	10.9	10.9	170
175	15.5	15.6	8.6	15.7	15.7	13.9	14.5	14.7	14.7	13.8	13.9	14	12.7	12.7	12.7	10.6	10.6	10.6	10.6	10.6	10.6	175
180	13.1	13.2	7.1	14.8	14.9	11.8	13.5	13.5	13.6	13.2	13.3	13.3	12.3	12.3	12.3	10.2	10.2	10.2	10.2	10.2	10.2	180
185	9.3	9.1		13.8	13.9	10	12.9	12.9	13	12.6	12.7	12.7	11.9	11.9	11.9	9.8	9.8	9.9	9.7	9.8	9.8	185
190				12.8	12.9	8.6	12.4	12.5	12.5	11.4	11.4	11.5	11.5	11.5	11.6	9.5	9.5	9.5	9.2	9.3	9.3	190
195				10.7	10.7	7.2	11.9	12	11.4	10.9	11	11	11	11	11.1	9.1	9.1	9.2	8.8	8.8	8.9	195
200				7.7	7.7	5.1	11.4	11.4	9.9	9.4	9.7	9.8	10.5	10.6	10.6	8.8	8.8	8.9	8.3	8.4	8.4	200
205							9.8	9.9	8.5	7.5	7.9	7.8	10	10.1	10.1	8.5	8.5	8.5	7.9	7.9	8	205
210							8.8	8.8	7.3	5.7	6	6	9.5	9.6	9.6	8.1	8.2	8.2	7.5	7.5	7.5	210
215							5.7	5.8	4.2	4	4.3	4.2	8.8	8.9	8.9	7.8	7.9	7.9	7.1	7.1	7.1	215
220										2.4	2.6	2.3	8.1	8.2	8.2	7.5	7.6	7.6	6.7	6.7	6.7	220
225													7.4	7.5	7.5	7.2	7.2	7.3	6.3	6.3	6.3	225
230													6.9	6.9	6.9	6.9	7	7	5.9	5.9	6	230
235													6.4	6.4	6.4	6.5	6.5	6.5	5.6	5.6	5.6	235
240													4.6	4.8	4.3	5.9	6	6	5.2	5.2	5.2	240
245																5.3	5.3	5.3	4.9	4.8	4.8	245
250																4.4	4.6	4.3	4.4	4.4	4.4	250
255																	2.1		2.8	3	2.6	255

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Lifting capacities

Forces de levage

TK



	48 ft			144 ft			160 ft K 41 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	52.4															12
13	52.1															13
14	51.7															14
15	51.2															15
16	50.7															16
17	50.1															17
18	49.5															18
19	48.9	39.2														19
20	48.3	39														20
22	47.1	37.2														22
24	45.8	35.3		52.7												24
26	44.3	33.6		52.8												26
28	42.9	32.1	23.1	52.8			47.4									28
30	41.4	30.8	22.8	52.6			47.4									30
32	40.1	29.5	22.1	52.4			47.4			41.7						32
34	38.8	28.5	21.6	52			47.3			41.6						34
36	37.5	27.4	21.1	51.6			47.1			41.6			35.6			36
38	36.3	26.4	20.6	51.2	38.4		46.7			41.5			35.7			38
40	34.9	25.6	20.2	50.7	37.5		46.3			41.3			35.5			40
45	31.2	23.6	19.2	49.3	35.2	23.1	45.4	36.1		40.7			35.2			45
50	28	22.1	18.4	47.8	33.3	22.3	44.5	34.1	22.5	40.1	34.5		35.2			50
55	25.4	20.8	17.8	46.3	31.6	21.7	43.5	32.3	21.9	39.5	32.9	22	34.8	31.8		55
60	23.4	19.6	17.4	44.6	30	21.1	42.6	30.8	21.3	38.8	31.3	21.4	34.4	31	21.5	60
65	21.6	18.7	17.1	42.8	28.7	20.6	41.4	29.5	20.8	38.2	29.9	20.9	34	30.1	20.9	65
70	20.1	18	17.1	41.1	27.5	20.1	40.1	28.3	20.3	37.5	28.7	20.5	33.6	28.8	20.5	70
75	18.8	17.6	16.3	39.5	26.4	19.6	38.8	27.2	19.9	36.7	27.5	20	33.1	27.7	20.1	75
80	17.8	17.5		38	25.4	19.2	37.6	26.2	19.5	35.8	26.6	19.7	32.7	26.7	19.7	80
85				36.5	24.5	18.9	36.4	25.2	19.1	34.9	25.7	19.3	32	25.8	19.4	85
90				34.8	23.6	18.6	35.2	24.4	18.8	34	24.8	19	31.4	25	19.1	90
95				33	22.9	18.3	34.1	23.6	18.5	33.1	24	18.7	30.7	24.3	18.8	95
100				31.3	22.2	18	32.9	22.9	18.2	32.3	23.3	18.4	29.9	23.5	18.5	100
105				29.6	21.5	17.8	31.4	22.3	18	31.5	22.7	18.1	29	22.9	18.2	105
110				28.2	20.9	17.6	30	21.6	17.8	30.5	22.1	17.9	27.8	22.3	18	110
115				26.9	20.4	17.4	28.6	21	17.6	29.4	21.5	17.7	26.5	21.7	17.8	115
120				25.7	19.9	17.3	27.3	20.6	17.4	28.2	21	17.5	25.4	21.1	17.6	120
125				24.6	19.4	17.2	26.3	20.1	17.3	27	20.5	17.4	24.3	20.7	17.4	125
130				23.7	19	17.1	25.2	19.6	17.1	25.9	20.1	17.2	23.2	20.3	17.3	130
135				22.8	18.6	17.1	24.2	19.2	17.1	24.7	19.7	17.2	22.2	19.9	17.2	135
140				21.9	18.3	17.1	23.3	18.9	17	23.6	19.3	17.1	21.2	19.5	17.1	140
145				21.1	18	15.7	22.6	18.6	17	22.6	18.9	17	20.2	19.1	17.1	145
150				20.4	17.8	10.1	21.8	18.2	17	21.5	18.6	17	19.3	18.7	17	150
155				19.7	17.6	7.2	21	18	16.5	20.4	18.4	17	18.4	18.3	17	155
160				19.1	17.5	5.4	20.4	17.8	12.4	19	18.1	17	17.5	17.8	16.8	160
165				18.6	17.5		19.4	17.6	8.7	17.7	17.8	17	16.7	17.1	16.6	165
170				17.2	16		18.1	17.5	6.6	17	17.1	15.1	16	16.4	16.4	170
175				10.2	6.9		17	17.4	5.1	16.3	16.5	10.5	15	15.6	15.8	175
180							15.9	16.3		15.5	15.8	7.8	14	14.7	15	180
185							13.3	15.2		14.5	15	6.1	13.1	13.6	12.2	185
190							7.7	7.5		13.6	14	4.9	12.6	12.7	9.1	190
195										12.7	13		12.1	12.2	7.2	195
200										10.4	12.1		11.6	11.7	5.8	200
205										6.1	7.8		11	11.3		205
210													10.3	10.6		210
215													8.3	9.8		215
220													7.1	7.2		220

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Lifting capacities

Forces de levage

TK



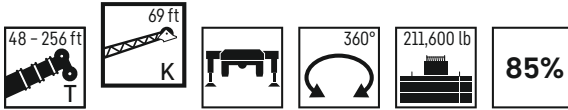
	208 ft			224 ft			240 ft K 41 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	30			23.3												45
50	30.1			23.5			19.4									50
55	29.9			23.6			19.4			16.4			15.9			55
60	29.7	28.3		23.8			19.4			16.4			15.9			60
65	29.5	27.8	20.9	23.9	23.9		19.3			16.4			16			65
70	29.3	27.3	22.6	23.8	23.7		19.2	19.2		16.3			15.9			70
75	28.9	26.9	22	23.6	23.3	22.5	19.1	18.8		16.1	16		15.8	15.7		75
80	28.5	26.4	21.5	23.2	22.8	22.1	18.9	18.4	17.8	15.9	15.8		15.6	15.5		80
85	28.1	25.6	21.1	22.6	22.3	21.6	18.7	17.9	17.4	15.7	15.5	15.1	15.4	15.2	15	85
90	27.4	24.8	20.8	22.1	21.7	21.2	18.2	17.5	16.9	15.5	15.1	14.7	15.2	15	14.6	90
95	26.7	24.1	20.5	21.5	21.1	20.7	17.9	17	16.4	15.1	14.8	14.4	14.9	14.6	14.2	95
100	25.8	23.4	20.2	20.8	20.4	20.3	17.4	16.6	16	14.7	14.4	14	14.5	14.3	13.9	100
105	24.9	22.8	19.9	20.2	19.8	19.7	17	16.1	15.6	14.3	14.1	13.7	14.1	13.9	13.6	105
110	24	22.2	19.4	19.5	19.1	19.1	16.5	15.7	15.2	13.9	13.7	13.4	13.8	13.6	13.3	110
115	23.2	21.7	18.8	18.9	18.5	18.5	16.1	15.3	14.9	13.5	13.3	13	13.4	13.2	12.9	115
120	22.4	21.1	18.2	18.2	17.9	17.9	15.6	14.9	14.5	13.1	12.9	12.7	12.9	12.8	12.6	120
125	21.5	20.7	17.6	17.6	17.3	17.3	15.1	14.6	14.2	12.6	12.5	12.4	12.5	12.4	12.3	125
130	20.7	20.1	17.3	17	16.8	16.7	14.6	4.2	13.9	12.2	12.1	12.1	12.1	12	12.1	130
135	19.9	19.6	17.2	16.4	16.2	16.2	14.1	13.8	13.5	11.8	11.7	11.8	11.7	11.6	11.7	135
140	19.1	19	17.1	15.9	15.7	15.7	13.7	13.4	13.2	11.4	11.3	11.4	11.3	11.2	11.4	140
145	18.3	18.3	17.1	15.4	15.2	15.2	13.2	13	12.9	11	10.9	11	10.9	10.9	11	145
150	17.5	17.7	17	14.9	14.7	14.7	12.8	12.7	12.6	10.6	10.6	10.7	10.6	10.5	10.6	150
155	16.7	17.1	16.8	14.4	14.3	14.3	12.4	12.3	12.3	10.3	10.2	10.3	10.2	10.2	10.3	155
160	16	16.4	16.3	13.9	13.8	13.8	12	11.9	12	9.9	9.9	10	9.8	9.8	9.9	160
165	15.3	15.6	15.7	13.5	13.3	13.4	11.6	11.6	11.6	9.6	9.5	9.6	9.5	9.5	9.6	165
170	14.6	14.9	15.2	13	12.9	13	11.2	11.2	11.3	9.2	9.2	9.3	9.2	9.2	9.3	170
175	13.9	14.2	14.5	12.5	12.5	12.6	10.9	10.8	10.9	8.9	8.9	9	8.9	8.9	9	175
180	13.2	13.6	13.9	12.1	12.1	12.2	10.5	10.5	10.6	8.6	8.6	8.7	8.6	8.6	8.7	180
185	12.6	13	13.2	11.6	11.7	11.8	10.2	10.2	10.3	8.3	8.3	8.4	8.3	8.3	8.4	185
190	12	12.3	12.6	11.1	11.3	11.5	9.8	9.8	9.9	8	8	8.1	8	8	8.1	190
195	11.2	11.7	11.9	10.7	10.9	11.1	9.5	9.5	9.6	7.8	7.8	7.9	7.7	7.8	7.9	195
200	10.3	11	10.7	10.2	10.4	10.7	9.2	9.2	9.3	7.5	7.5	7.6	7.4	7.5	7.6	200
205	9.8	10.1	8.3	9.7	10	10.2	8.9	8.9	9	7.3	7.3	7.4	7.1	7.3	7.4	205
210	9.5	9.5	6.7	9.2	9.5	9.7	8.6	8.7	8.8	7.1	7	7.1	6.8	7.1	7.1	210
215	9.1	9.2	5.5	8.7	9	9.2	8.3	8.4	8.5	6.8	6.8	6.9	6.5	6.8	6.8	215
220	8.7	8.8		7.9	8.4	7.6	7.9	8.1	8.2	6.6	6.6	6.7	6.2	6.4	6.5	220
225	8.4	8.5		7.6	7.7	6.3	7.6	7.8	7.9	6.4	6.4	6.5	5.9	6.1	6.2	225
230	7	8.2		7.4	7.4	5.3	7.2	7.5	7.6	6.2	6.2	6.3	5.5	5.7	5.9	230
235	5.6	6.6		7.1	7.2		6.8	7.1	7	6	6	6.1	5.1	5.4	5.5	235
240				6.9	6.9		6.3	6.6	6	5.8	5.8	5.9	4.8	5	5.1	240
245				6.1	6.8		5.8	6.1	5.1	5.5	5.6	5.7	4.4	4.7	4.7	245
250				3.5	4.8		5.1	5.5		5.2	5.4	5.5	4.1	4.3	4.4	250
255							4.6	4.9		4.6	5	5.1	3.8	4	4	255
260							3.2	4.3		4	4.4		3.5	3.7	3.7	260
265										3.4	3.8		3.2	3.4		265
270										2.8	3.2		2.7	3		270
275														2.4		275

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Lifting capacities

Forces de levage

TK

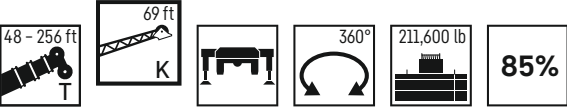


	48 ft			144 ft			160 ft K 69 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	20.8															12
13	20.8															13
14	20.9															14
15	21															15
16	21															16
17	21															17
18	21															18
19	21															19
20	21															20
22	21															22
24	20.9															24
26	20.7															26
28	20.5			20.8												28
30	20.3			20.9			19.9									30
32	20			21			19.9									32
34	19.7	17.8		21			19.9			18.7						34
36	19.4	17.5		21			19.9			18.7						36
38	19.1	17.2		21			19.9			18.8			17.4			38
40	18.7	16.9		21			19.9			18.8			17.4			40
45	17.9	16.1		21			19.9			18.8			17.5			45
50	17.1	15.4		20.8			19.9			18.8			17.5			50
55	16.3	14.7	13.2	20.5	17.5		19.8	17.2		18.8			17.5			55
60	15.5	14.1	12.8	20.3	17		19.6	16.8		18.7	16.3		17.5			60
65	14.8	13.6	12.4	19.9	16.7		19.3	16.4		18.5	16		17.3	15.2		65
70	14.2	13.1	12	19.5	16.2	13.4	19	16		18.2	15.6		17.1	15		70
75	13.6	12.6	11.8	19	15.8	13.2	18.6	15.6	13.1	17.9	15.3		16.8	14.7		75
80	13.1	12.3	11.6	18.6	15.4	13	18.2	15.3	12.9	17.6	15	12.7	16.6	14.4		80
85	12.6	12	11.4	18.1	15.1	12.8	17.8	15	12.7	17.2	14.7	12.5	16.3	14.2	12.2	85
90	12.1	11.7	11.4	17.7	14.7	12.6	17.4	14.6	12.5	16.9	14.4	12.3	16	13.9	12.1	90
95	11.6	11.5	11.4	17.2	14.4	12.4	17	14.3	12.3	16.5	14.1	12.2	15.7	13.7	11.9	95
100	11.1	11.4	11.4	16.7	14.1	12.2	16.6	14.1	12.2	16.2	13.9	12	15.4	13.4	11.8	100
105	10.6	11.3	4.5	16.3	13.8	12.1	16.2	13.8	12	15.8	13.6	11.9	15.1	13.2	11.7	105
110	9.8			15.9	13.5	11.9	15.8	13.5	11.9	15.5	13.4	11.7	14.9	13	11.5	110
115				15.5	13.3	11.8	15.5	13.3	11.8	15.2	13.1	11.6	14.6	12.8	11.4	115
120				15.1	13.1	11.7	15.1	13	11.6	14.9	12.9	11.5	14.4	12.6	11.3	120
125				14.7	12.8	11.6	14.8	12.8	11.5	14.6	12.7	11.4	14.1	12.4	11.2	125
130				14.4	12.6	11.5	14.4	12.6	11.4	14.3	12.5	11.4	13.9	12.3	11.1	130
135				14.1	12.4	11.4	14.1	12.4	11.4	14	12.3	11.3	13.6	12.1	11.1	135
140				13.7	12.2	11.4	13.8	12.3	11.3	13.8	12.2	11.2	13.4	11.9	11	140
145				13.4	12.1	11.4	13.6	12.1	11.3	13.5	12	11.2	13.2	11.8	11	145
150				13.1	11.9	11.4	13.3	11.9	11.2	13.2	11.9	11.1	13	11.7	10.9	150
155				12.9	11.8	11.4	13	11.8	11.2	13	11.7	11.1	12.8	11.5	10.9	155
160				12.6	11.7	11.4	12.8	11.7	11.2	12.8	11.6	11.1	12.6	11.4	10.8	160
165				12.3	11.6	11.4	12.5	11.6	11.2	12.5	11.5	11.1	12.4	11.3	10.8	165
170				12	11.5	11.4	12.3	11.5	11.2	12.3	11.4	11.1	12.2	11.2	10.8	170
175				11.8	11.5	11.4	12.1	11.4	11.2	12.1	11.3	11.1	12	11.1	10.8	175
180				11.5	11.4	8.6	11.8	11.3	11.2	12	11.2	11.1	11.8	11.1	10.8	180
185				11.2	11.3	6.2	11.6	11.3	11.2	11.8	11.2	11.1	11.7	11	10.8	185
190				10.9	11.3		11.4	11.3	10.3	11.6	11.1	11.1	11.5	10.9	10.8	190
195				10.6	11.3		11.2	11.2	7.6	11.4	11.1	11.1	11.2	10.9	10.8	195
200				10.2	10.7		11	11.2	5.8	11.3	11.1	11.1	11	10.9	10.8	200
205							10.8	11.2		11.1	11	9.1	10.7	10.9	10.8	205
210							10.5	11.2		10.9	11	7	10.1	10.6	10.8	210
215							7.7	10.6		10.7	10.9	5.4	9.4	10.2	10.3	215
220										10.1	10.7		9	9.4	8.2	220
225										8.8	9.9		8.7	8.8	6.4	225
230										6	8.1		8.3	8.5	5.2	230
235											3		8	8.2		235
240													7	7.9		240
245													5.2	6.5		245
250														5.2		250

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Lifting capacities
Forces de levage

TK



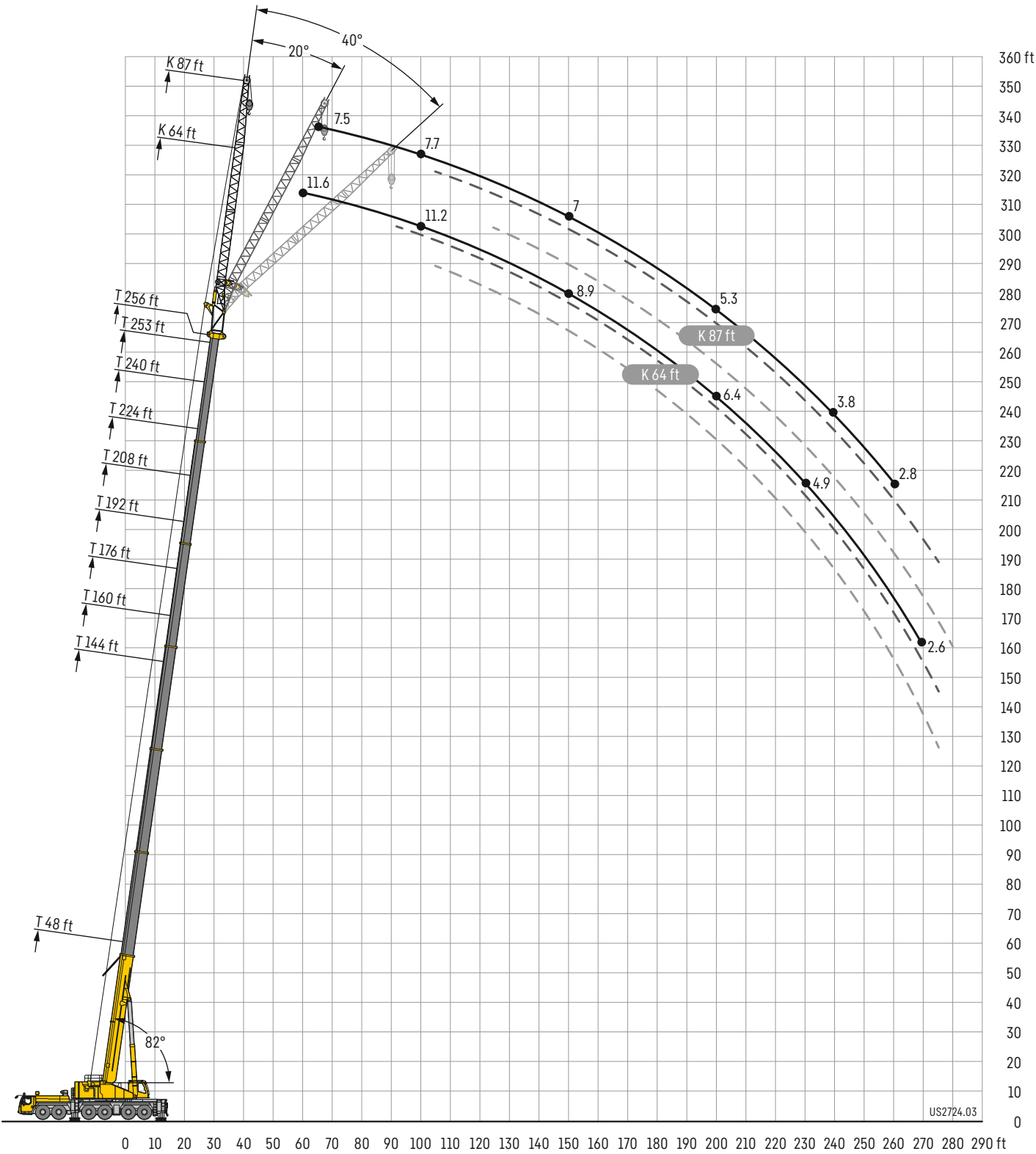
	208 ft			224 ft			240 ft K 69 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	15.8															45
50	15.9			14												50
55	15.9			14.1			12.2									55
60	15.8			14.1			12.2			10.6			10.4			60
65	15.7			14			12.2			10.6			10.4			65
70	15.6	14.1		14			12.2			10.7			10.4			70
75	15.5	13.9		13.8			12.1			10.7			10.5			75
80	15.2	13.6		13.7	12.6		12.1			10.7			10.4			80
85	15	13.4		13.6	12.5		12	11.3		10.6			10.4			85
90	14.8	13.2	11.7	13.4	12.3		11.9	11.2		10.6	10.2		10.4	10		90
95	14.6	13	11.5	13.2	12.1	11.1	11.8	11.1		10.5	10.1		10.3	9.9		95
100	14.4	12.8	11.4	13.1	12	11	11.7	11		10.4	10.1		10.3	9.9		100
105	14.2	12.6	11.3	13	11.9	10.9	11.6	10.9	10.3	10.4	10		10.2	9.8		105
110	14	12.4	11.2	12.8	11.7	10.8	11.5	10.8	10.3	10.3	9.9	9.6	10.1	9.8	9.5	110
115	13.8	12.3	11.1	12.7	11.6	10.7	11.4	10.7	10.2	10.2	9.8	9.5	10	9.7	9.4	115
120	13.6	12.1	11	12.5	11.5	10.6	11.2	10.6	10.1	10.1	9.6	9.4	10	9.5	9.3	120
125	13.4	12	11	12.4	11.4	10.6	11.1	10.5	10.1	10	9.4	9.2	9.9	9.4	9.1	125
130	13.2	11.8	10.9	12.2	11.2	10.5	10.9	10.4	10	9.8	9.2	8.9	9.7	9.1	8.9	130
135	13	11.7	10.8	12.1	11.1	10.5	10.8	10.2	9.9	9.5	9	8.7	9.4	8.9	8.7	135
140	12.8	11.5	10.8	11.9	11	10.5	10.6	10	9.7	9.2	8.7	8.5	9.2	8.7	8.5	140
145	12.6	11.4	10.7	11.8	10.9	10.4	10.4	9.8	9.5	9	8.5	8.3	8.9	8.5	8.3	145
150	12.4	11.3	10.7	11.6	10.8	10.4	10.2	9.5	9.3	8.7	8.3	8.1	8.7	8.3	8.1	150
155	12.2	11.2	10.7	11.5	10.7	10.4	10	9.3	9.1	8.5	8.1	7.9	8.4	8.1	7.9	155
160	12.1	11.1	10.6	11.3	10.6	10.3	9.7	9.1	8.9	8.2	7.9	7.8	8.2	7.9	7.8	160
165	11.9	11	10.6	11.1	10.5	10.3	9.5	8.9	8.8	8	7.7	7.6	7.9	7.7	7.6	165
170	11.8	10.9	10.6	10.8	10.4	10.3	9.2	8.7	8.6	7.7	7.6	7.5	7.7	7.5	7.5	170
175	11.6	10.9	10.6	10.5	10.2	10.3	8.9	8.5	8.4	7.4	7.4	7.3	7.4	7.4	7.3	175
180	11.4	10.8	10.6	10.2	10	10.2	8.7	8.3	8.2	7.2	7.2	7.2	7.2	7.2	7.2	180
185	11.1	10.7	10.6	9.9	9.8	10	8.5	8.1	8.1	7	7	7	6.9	7	7	185
190	10.8	10.7	10.6	9.6	9.6	9.8	8.2	8	7.9	6.8	6.8	6.9	6.7	6.8	6.9	190
195	10.6	10.6	10.6	9.3	9.3	9.6	7.9	7.8	7.8	6.6	6.7	6.8	6.5	6.6	6.7	195
200	10.3	10.5	10.6	9.1	9.1	9.3	7.7	7.6	7.6	6.4	6.5	6.6	6.3	6.4	6.6	200
205	9.9	10.2	10.5	8.8	8.8	9	7.5	7.5	7.5	6.2	6.3	6.4	6.2	6.2	6.4	205
210	9.5	9.8	10.2	8.5	8.5	8.7	7.3	7.3	7.4	6	6.1	6.2	6	6	6.2	210
215	9.1	9.5	9.9	8.2	8.3	8.5	7.1	7.1	7.2	5.8	5.9	6	5.8	5.9	6	215
220	8.6	9.1	9.4	7.9	8	8.2	6.9	6.9	7.1	5.6	5.7	5.9	5.6	5.7	5.8	220
225	7.9	8.7	8.9	7.6	7.7	8	6.7	6.8	6.9	5.5	5.5	5.7	5.3	5.5	5.7	225
230	7.3	8.1	8.4	7.3	7.5	7.7	6.5	6.6	6.8	5.3	5.4	5.5	5	5.3	5.5	230
235	7	7.5	7.5	6.9	7.2	7.4	6.3	6.4	6.6	5.1	5.2	5.4	4.7	5.2	5.3	235
240	6.8	7	6.1	6.5	6.9	7.1	6.1	6.3	6.4	5	5	5.2	4.5	5	5.1	240
245	6.6	6.7	5	6.1	6.6	6.8	5.9	6.1	6.2	4.8	4.9	5	4.2	4.7	4.8	245
250	6.4	6.5		5.7	6.2	6.3	5.7	5.9	6.1	4.6	4.7	4.9	3.9	4.4	4.5	250
255	5.7	6.2		5.5	5.7	5.7	5.4	5.7	5.9	4.4	4.6	4.7	3.6	4.1	4.2	255
260	4.9	5.4		5.4	5.4		4.9	5.4	5.6	4.2	4.4	4.5	3.3	3.7	3.9	260
265		3.4		5.2	5.3		4.4	5.1	5.3	4	4.2	4.4	3	3.4	3.5	265
270				4.7	5.1		3.9	4.5	4.6	3.7	4	4.1	2.7	3.1	3.2	270
275				2.8	4.5		3.3	3.9		3.3	3.8	3.9	2.4	2.8	2.9	275
280							2.8	3.4		2.5	3.4	3.5		2.5	2.5	280
285								2.8			2.9	2.9				285

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Lifting heights

Hauteurs de levage

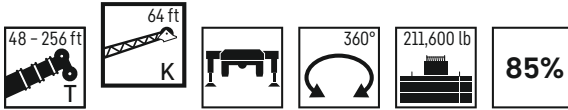
TK



Lifting capacities

Forces de levage

TK



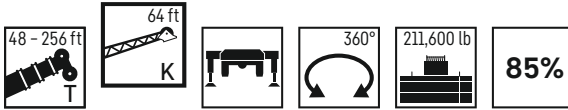
	48 ft			144 ft			160 ft K 64 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	31.4															12
13	31.4															13
14	31.4															14
15	31.4															15
16	31.2															16
17	31															17
18	30.7															18
19	30.5															19
20	30.2															20
22	29.6															22
24	29															24
26	28.4															26
28	27.7			31.4												28
30	27.1			31.4			27									30
32	26.4	22.9		31.4			27									32
34	25.8	22.3		31.3			27			24.9						34
36	25.2	21.6		31.1			27			24.9						36
38	24.6	21		30.9			27			24.9			22.1			38
40	24	20.4		30.6			27			25			22.1			40
45	22.6	19.1		29.8			27			25			22.1			45
50	21.2	17.9	15.1	29	22.7		26.9			25			22.2			50
55	19.7	16.9	14.3	28.1	21.8		26.7	22.3		24.7			22.1			55
60	18.2	16	13.7	27.3	21		26.1	21.7		24.3	20.9		21.9			60
65	16.9	15.2	13.1	26.4	20.3	15.4	25.5	21.2		23.9	20.4		21.6	19.3		65
70	15.6	14.5	12.6	25.6	19.6	15	25	20.6	15.9	23.4	19.9		21.3	18.9		70
75	14.5	13.8	12.2	24.8	18.9	14.6	24.3	20.1	15.7	23	19.5	15.5	21	18.6		75
80	13.6	13.2	11.9	24	18.3	14.3	23.7	19.6	15.4	22.5	19.1	15.2	20.7	18.2	14.9	80
85	12.7	12.7	11.7	23.2	17.8	14	23.1	19.1	15.1	22.1	18.7	14.9	20.4	17.9	14.6	85
90	11.9	12.2	11.6	22.4	17.2	13.7	22.5	18.6	14.8	21.6	18.2	14.7	20	17.5	14.4	90
95	11.3	11.8	11.6	21.7	16.7	13.4	21.9	18.1	14.5	21.1	17.8	14.4	19.7	17.2	14.2	95
100	10.7	11.6	5.1	20.9	16.2	13.1	21.4	17.6	14.3	20.7	17.4	14.2	19.4	16.8	14	100
105	10.3			20.1	15.8	12.9	20.8	17.1	14.1	20.2	17	14	19.1	16.5	13.8	105
110				19.3	15.4	12.7	20.3	16.7	13.9	19.8	16.6	13.8	18.8	16.2	13.6	110
115				18.5	15	12.5	19.8	16.3	13.7	19.4	16.2	13.6	18.4	15.9	13.4	115
120				17.7	14.7	12.3	19.3	15.9	13.5	18.9	15.9	13.4	18.1	15.5	13.2	120
125				17	14.3	12.1	18.8	15.6	13.3	18.5	15.6	13.3	17.8	15.2	13.1	125
130				16.3	14	12	18.3	15.3	13.2	18.1	15.2	13.1	17.5	15	13	130
135				15.6	13.7	11.9	17.8	14.9	13	17.7	15	13	17.2	14.7	12.8	135
140				15	13.4	11.8	17.3	14.6	12.9	17.3	14.7	12.9	16.8	14.4	12.8	140
145				14.5	13.1	11.7	16.9	14.3	12.8	16.9	14.4	12.8	16.5	14.2	12.7	145
150				14	12.9	11.7	16.4	14	12.8	16.5	14.1	12.7	16.2	14	12.6	150
155				13.5	12.6	11.6	15.9	13.8	12.7	16.1	13.9	12.7	15.8	13.7	12.5	155
160				13	12.3	11.6	15.4	13.5	12.6	15.7	13.6	12.6	15.5	13.5	12.5	160
165				12.5	12.1	11.6	14.9	13.3	12.6	15.3	13.3	12.6	15.1	13.3	12.4	165
170				12.1	12	11.6	14.4	13	12.6	14.9	13.1	12.5	14.7	13.1	12.4	170
175				11.8	11.8	8.6	13.9	12.8	12.6	14.5	12.9	12.5	14.2	12.9	12.3	175
180				11.4	11.7	6.3	13.5	12.6	12.6	14.1	12.7	12.5	13.8	12.7	12.3	180
185				11.1	11.6		13.1	12.5	10.6	13.7	12.5	12.4	13.3	12.5	12.3	185
190				10.8	11.6		12.7	12.3	7.6	13.3	12.4	12.4	12.7	12.2	12.3	190
195				10.5	11.1		12.3	12.3	5.8	12.8	12.3	11.8	12.2	12	12.3	195
200							12	12.2		12.4	12.2	9.1	11.3	11.8	12	200
205							11.5	12.2		11.9	11.9	7	10.5	11.4	11.6	205
210							8.2	10.9		11.2	11.5	5.5	9.7	10.6	10.6	210
215								3.8		10.5	11		9.4	9.7	8.2	215
220										9.3	10.2		9	9.2	6.5	220
225										6.3	8.4		8.7	8.8	5.2	225
230											3.4		8.3	8.5		230
235													7.4	8.1		235
240													5.4	6.8		240
245													4.1	5.4		245

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Lifting capacities

Forces de levage

TK



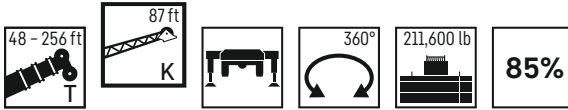
	208 ft			224 ft			240 ft K 64 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	19.2															45
50	19.2			16.4												50
55	19.3			16.4			13.8									55
60	19.2			16.4			13.9			11.9			11.6			60
65	19.1			16.4			13.9			11.9			11.6			65
70	18.9	17.5		16.4			13.9			12			11.7			70
75	18.7	17.2		16.3	15.5		13.9			12			11.7			75
80	18.5	17		16.2	15.4		13.8			11.8			11.6			80
85	18.3	16.7	14.2	16	15.2		13.7	13.2		11.7			11.5			85
90	18.1	16.5	14	15.9	15.1		13.6	13.2		11.6	11.2		11.4	10.9		90
95	17.9	16.2	13.8	15.7	14.9	13.1	13.5	13.1		11.5	11.2		11.3	10.9		95
100	17.7	15.9	13.6	15.6	14.8	13	13.3	12.9	12.1	11.4	11.1		11.2	10.8		100
105	17.4	15.7	13.4	15.4	14.6	12.9	13.2	12.6	12	11.2	10.9	10.5	11.1	10.7	10.4	105
110	17.2	15.4	13.2	15.2	14.4	12.7	13	12.2	11.7	11.1	10.6	10.2	10.9	10.5	10.2	110
115	17	15.2	13.1	15	14.2	12.6	12.8	11.9	11.4	10.9	10.3	10	10.7	10.2	9.9	115
120	16.8	14.9	13	14.8	14	12.5	12.5	11.6	11.2	10.7	10.1	9.7	10.6	10	9.7	120
125	16.6	14.7	12.8	14.6	13.8	12.4	12.2	11.3	10.9	10.5	9.8	9.5	10.4	9.7	9.4	125
130	16.3	14.4	12.7	14.3	13.6	12.3	11.8	11	10.6	10.2	9.6	9.3	10.1	9.5	9.2	130
135	16.1	14.2	12.6	14	13.4	12.2	11.5	10.7	10.4	9.9	9.3	9	9.8	9.2	9	135
140	15.9	14	12.5	13.7	13.2	12.2	11.2	10.5	10.1	9.6	9.1	8.8	9.5	9	8.8	140
145	15.6	13.8	12.4	13.2	12.9	12.1	10.9	10.2	9.9	9.3	8.9	8.6	9.2	8.8	8.6	145
150	15.2	13.6	12.4	12.8	12.6	12	10.6	9.9	9.7	9	8.6	8.4	8.9	8.6	8.4	150
155	14.8	13.4	12.3	12.4	12.2	11.9	10.4	9.7	9.5	8.7	8.4	8.2	8.6	8.4	8.2	155
160	14.3	13.1	12.2	12	11.8	11.7	10.1	9.5	9.2	8.4	8.2	8	8.3	8.2	8	160
165	13.9	12.9	12.2	11.6	11.5	11.5	9.8	9.2	9	8.1	8	7.8	8.1	7.9	7.8	165
170	13.4	12.7	12.1	11.2	11.1	11.2	9.5	9	8.9	7.8	7.8	7.7	7.8	7.7	7.7	170
175	13	12.5	12.1	10.9	10.8	10.9	9.2	8.8	8.7	7.5	7.5	7.5	7.5	7.5	7.5	175
180	12.5	12.2	12	10.5	10.5	10.6	9	8.6	8.5	7.2	7.3	7.3	7.2	7.3	7.3	180
185	12	11.9	11.9	10.1	10.1	10.3	8.7	8.4	8.3	7	7.1	7.2	7	7.1	7.1	185
190	11.4	11.6	11.7	9.8	9.8	10	8.4	8.2	8.2	6.8	6.9	7	6.8	6.9	7	190
195	10.9	11.3	11.6	9.5	9.5	9.7	8.1	8	8	6.6	6.7	6.8	6.6	6.7	6.8	195
200	10.4	10.9	11.1	9.2	9.2	9.4	7.8	7.9	7.9	6.4	6.5	6.6	6.4	6.5	6.6	200
205	10	10.4	10.7	8.9	8.9	9.1	7.6	7.6	7.7	6.2	6.3	6.4	6.2	6.3	6.4	205
210	9.5	9.9	10.2	8.6	8.6	8.8	7.4	7.4	7.5	6	6.1	6.2	6	6.1	6.2	210
215	8.9	9.5	9.7	8.3	8.3	8.6	7.2	7.2	7.3	5.8	5.9	6	5.8	5.9	6	215
220	8.3	9	9.2	7.9	8	8.3	7	7	7.1	5.7	5.7	5.9	5.5	5.7	5.9	220
225	7.6	8.4	8.6	7.6	7.7	8	6.7	6.8	6.9	5.5	5.5	5.7	5.2	5.5	5.7	225
230	7.3	7.7	7.5	7.2	7.4	7.7	6.5	6.6	6.8	5.3	5.4	5.5	4.9	5.3	5.5	230
235	7	7.1	6.1	6.8	7.1	7.3	6.3	6.4	6.6	5.2	5.2	5.3	4.6	5.1	5.3	235
240	6.8	6.9	5	6.3	6.8	7	6.1	6.3	6.4	5	5	5.2	4.3	4.8	5	240
245	6.6	6.6		5.9	6.3	6.5	5.8	6.1	6.2	4.8	4.9	5	4.1	4.5	4.7	245
250	6	6.4		5.7	5.8	5.8	5.6	5.9	6.1	4.6	4.7	4.9	3.8	4.2	4.4	250
255	5	5.6		5.5	5.6		5.1	5.6	5.8	4.4	4.6	4.7	3.5	3.8	4	255
260		3.6		5.4	5.4		4.6	5.3	5.4	4.1	4.4	4.5	3.2	3.5	3.7	260
265				4.9	5.3		4	4.7	4.8	3.8	4.1	4.3	2.9	3.2	3.3	265
270				3	4.6		3.5	4.1		3.3	3.9	4	2.6	2.9	3	270
275							3	3.5			3.5	3.6		2.6	2.6	275
280								2.9			2.5	2.6				280

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Lifting capacities

Forces de levage

TK



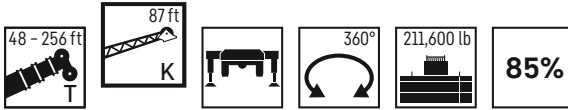
	48 ft			144 ft			160 ft K 87 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	19.4															14
15	19.4															15
16	19.4															16
17	19.4															17
18	19.4															18
19	19.5															19
20	19.4															20
22	19.3															22
24	19.1															24
26	18.9															26
28	18.5															28
30	18.2															30
32	17.8			19.4												32
34	17.5			19.4			18									34
36	17.1			19.5			18.1									36
38	16.8			19.5			18.1			16.5						38
40	16.4			19.4			18.1			16.6						40
45	15.6	13.5		19.2			18.1			16.6			14.9			45
50	14.8	12.7		18.8			17.8			16.5			15			50
55	14	11.9		18.3			17.5			16.4			14.9			55
60	13.1	11.2		17.8			17			16.1			14.7			60
65	12.4	10.6	8.9	17.2	13.4		16.6	13.1		15.7			14.5			65
70	11.6	10	8.5	16.7	12.9		16.2	12.7		15.4	12.4		14.3			70
75	10.9	9.5	8.1	16.2	12.4		15.8	12.3		15	12		14	11.6		75
80	10.3	9	7.8	15.7	12		15.3	11.9		14.7	11.7		13.7	11.3		80
85	9.7	8.5	7.5	15.2	11.5	8.7	14.9	11.5		14.3	11.3		13.4	11		85
90	9.1	8.2	7.3	14.8	11.1	8.5	14.5	11.1	8.5	14	11	8.4	13.2	10.7		90
95	8.6	7.8	7.1	14.3	10.8	8.3	14.1	10.8	8.3	13.6	10.7	8.2	12.9	10.4	8	95
100	8.2	7.5	6.9	13.8	10.5	8.1	13.7	10.5	8.1	13.3	10.4	8	12.6	10.1	7.9	100
105	7.8	7.3	6.8	13.3	10.1	8	13.3	10.2	7.9	13	10.1	7.9	12.3	9.8	7.8	105
110	7.3	7	6.8	12.9	9.8	7.8	12.9	9.9	7.8	12.6	9.8	7.7	12.1	9.6	7.6	110
115	7	6.9	6.8	12.4	9.5	7.6	12.5	9.6	7.6	12.3	9.6	7.6	11.8	9.3	7.5	115
120	6.7	6.8	6.8	12	9.3	7.5	12.1	9.3	7.5	12	9.3	7.5	11.5	9.1	7.4	120
125	6.5	6.8		11.5	9	7.4	11.7	9.1	7.4	11.6	9	7.3	11.3	8.9	7.3	125
130				11.1	8.8	7.3	11.4	8.8	7.3	11.3	8.8	7.2	11	8.7	7.2	130
135				10.7	8.5	7.2	11	8.6	7.2	11	8.6	7.1	10.7	8.5	7.1	135
140				10.3	8.3	7.1	10.6	8.4	7.1	10.7	8.4	7	10.4	8.3	7	140
145				10	8.1	7	10.2	8.2	7	10.4	8.2	7	10.2	8.2	6.9	145
150				9.6	7.9	6.9	9.9	8	6.9	10.1	8.1	6.9	9.9	8	6.8	150
155				9.3	7.8	6.9	9.6	7.9	6.9	9.8	7.9	6.8	9.7	7.8	6.8	155
160				9	7.6	6.8	9.3	7.7	6.8	9.5	7.7	6.8	9.4	7.7	6.7	160
165				8.8	7.4	6.8	9	7.6	6.8	9.2	7.6	6.7	9.2	7.5	6.7	165
170				8.5	7.3	6.8	8.8	7.4	6.8	9	7.4	6.7	8.9	7.4	6.6	170
175				8.2	7.2	6.8	8.5	7.3	6.7	8.7	7.3	6.7	8.7	7.3	6.6	175
180				7.9	7.1	6.8	8.3	7.2	6.7	8.5	7.2	6.6	8.5	7.2	6.6	180
185				7.7	7	6.8	8.1	7.1	6.7	8.2	7.1	6.6	8.3	7.1	6.6	185
190				7.5	6.9	6.8	7.9	7	6.7	8	7	6.6	8.1	7	6.5	190
195				7.2	6.9	6.8	7.6	6.9	6.7	7.9	6.9	6.6	7.9	6.9	6.5	195
200				7	6.8	6.8	7.4	6.8	6.7	7.7	6.9	6.6	7.7	6.8	6.5	200
205				6.9	6.8	5.4	7.3	6.8	6.7	7.5	6.8	6.6	7.6	6.8	6.5	205
210				6.7	6.8		7.1	6.8	6.7	7.4	6.7	6.6	7.5	6.7	6.5	210
215				6.6	6.8		6.9	6.8	6.5	7.2	6.7	6.6	7.3	6.7	6.5	215
220				6.1	6.8		6.8	6.8	5.1	7.1	6.7	6.6	7.2	6.6	6.5	220
225							6.6	6.8		6.9	6.7	6.6	7.1	6.6	6.5	225
230							6.5	6.8		6.8	6.6	6.2	6.9	6.6	6.5	230
235							4.4	6.6		6.6	6.6		6.8	6.6	6.5	235
240										6.6	6.6		6.7	6.6	6.5	240
245										5.7	6.6		6.6	6.6	5.9	245
250										2.8	5.1		6.5	6.5		250
255													6.2	6.4		255
260													4.4	6.2		260
265													3.9	4		265

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Lifting capacities

Forces de levage

TK



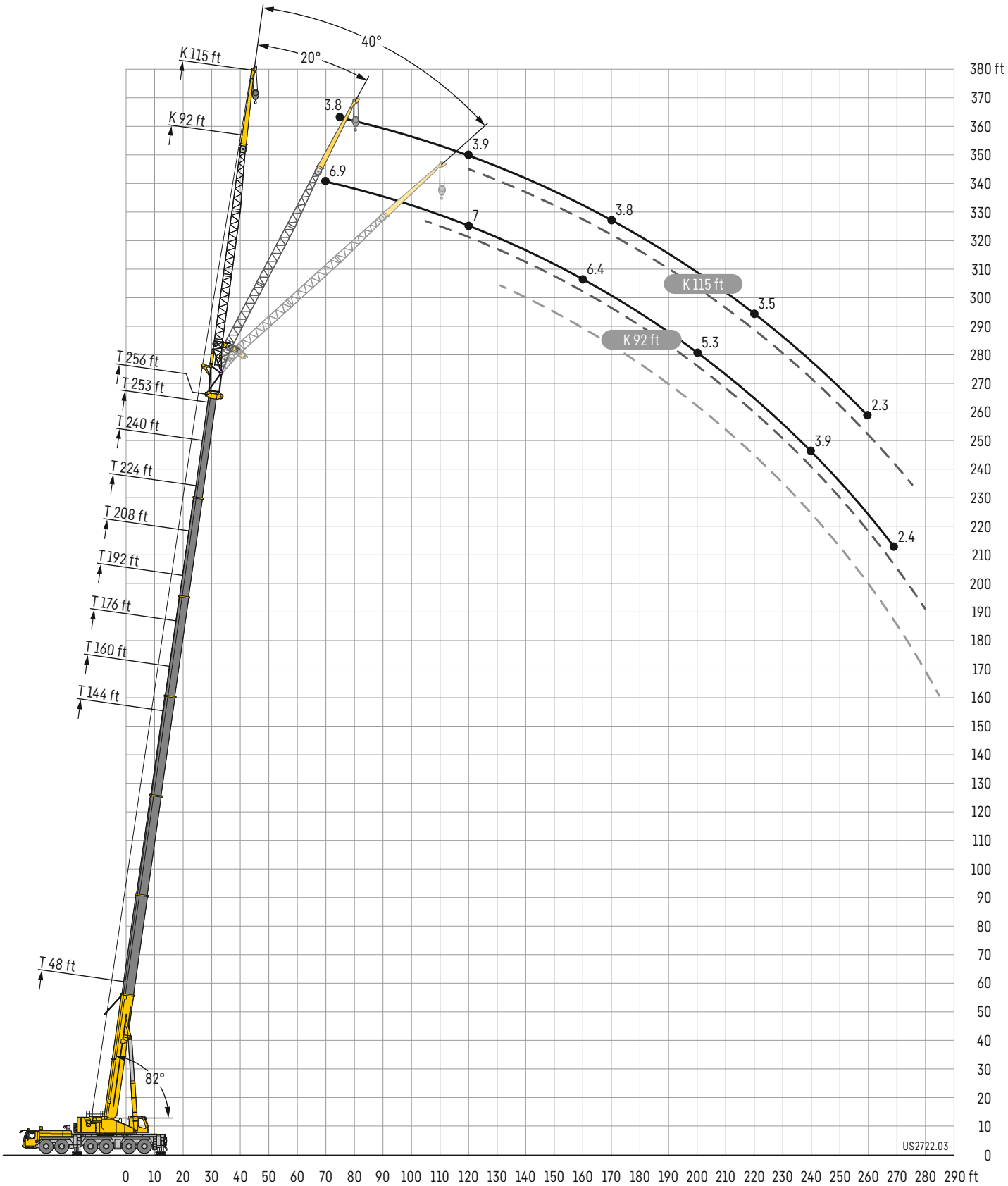
	208 ft			224 ft			240 ft K 87 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	13.1															50
55	13.1			11.2												55
60	13.1			11.3			9.4									60
65	13			11.3			9.5			7.8			7.5			65
70	12.9			11.2			9.5			8.1			7.8			70
75	12.7			11.1			9.5			8.2			7.9			75
80	12.5	10.6		11			9.5			8.2			7.9			80
85	12.3	10.4		10.9			9.4			8.1			7.9			85
90	12.1	10.1		10.8	9.4		9.3			8			7.8			90
95	11.9	9.9		10.6	9.2		9.2	8.4		7.9			7.7			95
100	11.7	9.7		10.5	9		9.1	8.3		7.8	7.4		7.7			100
105	11.4	9.4	7.6	10.3	8.8		9	8.1		7.8	7.3		7.6	7.3		105
110	11.2	9.2	7.4	10.2	8.7	7.1	8.9	8		7.7	7.3		7.6	7.3		110
115	11	9	7.3	10	8.5	7.1	8.8	7.9	6.7	7.7	7.3		7.5	7.2		115
120	10.8	8.8	7.2	9.9	8.4	7	8.7	7.7	6.7	7.6	7.2		7.5	7.1		120
125	10.6	8.6	7.1	9.7	8.2	6.9	8.6	7.6	6.7	7.6	7.1	6.4	7.5	7	6.4	125
130	10.4	8.5	7	9.6	8	6.8	8.5	7.5	6.6	7.6	7	6.4	7.4	6.9	6.3	130
135	10.2	8.3	7	9.4	7.9	6.8	8.4	7.4	6.5	7.5	6.9	6.3	7.4	6.9	6.3	135
140	10	8.1	6.9	9.3	7.8	6.7	8.3	7.3	6.5	7.4	6.8	6.3	7.2	6.8	6.2	140
145	9.8	8	6.8	9.1	7.6	6.7	8.2	7.2	6.4	7.2	6.8	6.2	7.1	6.7	6.2	145
150	9.5	7.8	6.7	9	7.5	6.6	8.1	7.1	6.4	7.1	6.7	6.2	7	6.6	6.2	150
155	9.3	7.7	6.7	8.8	7.4	6.5	8	7	6.4	6.9	6.6	6.1	6.9	6.5	6.1	155
160	9.1	7.5	6.6	8.6	7.3	6.5	7.8	6.9	6.3	6.8	6.4	6.1	6.7	6.4	6.1	160
165	8.9	7.4	6.6	8.5	7.2	6.5	7.6	6.8	6.3	6.7	6.3	6	6.6	6.3	6	165
170	8.7	7.3	6.5	8.3	7.1	6.4	7.4	6.7	6.2	6.5	6.2	6	6.4	6.1	5.9	170
175	8.5	7.2	6.5	8.1	7	6.4	7.3	6.7	6.2	6.3	6	5.9	6.3	6	5.9	175
180	8.3	7.1	6.5	8	6.9	6.4	7.1	6.6	6.2	6.1	5.9	5.8	6.1	5.9	5.8	180
185	8.1	7	6.4	7.8	6.8	6.3	6.9	6.5	6.2	6	5.7	5.7	5.9	5.7	5.7	185
190	8	6.9	6.4	7.7	6.7	6.3	6.8	6.4	6.2	5.8	5.6	5.6	5.7	5.6	5.5	190
195	7.8	6.8	6.4	7.5	6.7	6.3	6.6	6.3	6.1	5.6	5.5	5.5	5.5	5.5	5.4	195
200	7.7	6.7	6.4	7.4	6.6	6.3	6.5	6.2	6.1	5.4	5.4	5.4	5.3	5.4	5.3	200
205	7.5	6.7	6.4	7.2	6.5	6.3	6.3	6	6	5.2	5.3	5.3	5.2	5.3	5.2	205
210	7.4	6.6	6.4	7.1	6.5	6.3	6.2	5.9	5.9	5	5.1	5.2	5	5.1	5.2	210
215	7.2	6.6	6.4	6.9	6.5	6.3	6.1	5.8	5.8	4.8	5	5.1	4.8	5	5.1	215
220	7.1	6.5	6.4	6.8	6.4	6.3	5.9	5.7	5.7	4.6	4.8	5	4.6	4.8	4.9	220
225	6.9	6.5	6.4	6.6	6.4	6.3	5.8	5.6	5.6	4.5	4.7	4.8	4.5	4.7	4.8	225
230	6.8	6.5	6.4	6.5	6.3	6.3	5.6	5.5	5.6	4.3	4.5	4.7	4.3	4.5	4.7	230
235	6.7	6.4	6.4	6.3	6.2	6.3	5.4	5.4	5.5	4.1	4.3	4.6	4.1	4.3	4.6	235
240	6.4	6.4	6.4	6	6.1	6.3	5.3	5.3	5.4	3.9	4.2	4.4	3.8	4.1	4.4	240
245	6	6.3	6.4	5.8	6	6.2	5.1	5.2	5.3	3.8	4	4.3	3.6	4	4.3	245
250	5.6	6.1	6.4	5.5	5.8	6.1	4.9	5	5.2	3.6	3.9	4.1	3.3	3.8	4.1	250
255	5.4	5.8	6	5.1	5.6	5.8	4.7	4.9	5.1	3.5	3.7	3.9	3	3.6	3.9	255
260	5.2	5.4	5.5	4.6	5.4	5.5	4.5	4.8	4.9	3.3	3.6	3.8	2.8	3.3	3.7	260
265	5.1	5.2		4.4	5	5.2	4.2	4.6	4.8	3.1	3.4	3.6		3.1	3.3	265
270	4.9	5		4.2	4.4	4.6	3.9	4.5	4.6		3.2	3.4		2.8	3	270
275	3.7	4.8		4.1	4.2	4.4	3.4	4.2	4.4		3	3.2		2.5	2.7	275
280		3.6		4	4.1		2.8	3.8	4		2.8	3			2.3	280
285				3.8	3.9			3.3	3.4			2.6				285
290				2.3	3.8			2.4	2.5							290

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Lifting heights

Hauteurs de levage

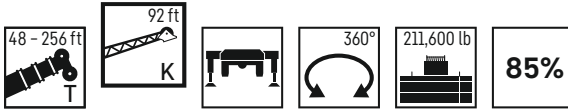
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Lifting capacities

Forces de levage

TK



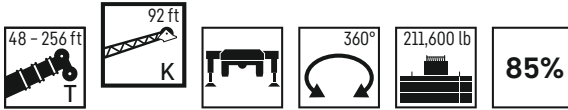
	48 ft			144 ft			160 ft K 92 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
15	15.9															15
16	15.9															16
17	15.9															17
18	15.9															18
19	15.9															19
20	16															20
22	15.9															22
24	15.9															24
26	15.8															26
28	15.6															28
30	15.4															30
32	15.2			15.4												32
34	15			15.8												34
36	14.8			15.9			14.9									36
38	14.5			16			15.1									38
40	14.3			15.9			15.2			14.1						40
45	13.7			15.9			15.2			14.2			12.9			45
50	13.1	11.6		15.7			15			14.2			13			50
55	12.5	10.9		15.4			14.8			14			13			55
60	11.9	10.3		15.1			14.6			13.8			12.9			60
65	11.2	9.7		14.8	12		14.3			13.6			12.7			65
70	10.6	9.2	7.8	14.4	11.6		14	11.5		13.3			12.5			70
75	10.1	8.8	7.5	14.1	11.2		13.7	11.1		13.1	10.9		12.3			75
80	9.5	8.3	7.2	13.7	10.8		13.4	10.7		12.8	10.5		12.1	10.2		80
85	9	8	7	13.4	10.5		13.1	10.4		12.6	10.2		11.9	9.9		85
90	8.5	7.6	6.8	13	10.1	7.8	12.8	10.1	7.8	12.3	9.9		11.6	9.7		90
95	8.1	7.3	6.7	12.6	9.8	7.6	12.5	9.8	7.6	12.1	9.7	7.5	11.4	9.4		95
100	7.7	7	6.5	12.3	9.5	7.5	12.2	9.5	7.4	11.8	9.4	7.4	11.2	9.2	7.2	100
105	7.3	6.8	6.4	11.9	9.2	7.3	11.9	9.3	7.3	11.5	9.1	7.2	11	8.9	7.1	105
110	7	6.6	6.3	11.5	9	7.2	11.5	9	7.2	11.3	8.9	7.1	10.8	8.7	7	110
115	6.7	6.5	6.3	11.2	8.7	7.1	11.2	8.8	7.1	11	8.7	7	10.6	8.5	6.9	115
120	6.5	6.4	6.3	10.8	8.5	7	10.9	8.5	6.9	10.7	8.5	6.9	10.4	8.3	6.8	120
125	6.2	6.3	6.3	10.5	8.2	6.9	10.6	8.3	6.8	10.4	8.3	6.8	10.1	8.1	6.7	125
130	6	6.3		10.1	8	6.8	10.3	8.1	6.7	10.2	8.1	6.7	9.9	8	6.6	130
135				9.8	7.8	6.7	9.9	7.9	6.7	9.9	7.9	6.6	9.7	7.8	6.6	135
140				9.4	7.6	6.6	9.7	7.7	6.6	9.7	7.7	6.6	9.4	7.6	6.5	140
145				9.1	7.4	6.5	9.3	7.5	6.5	9.4	7.5	6.5	9.2	7.5	6.4	145
150				8.8	7.3	6.5	9.1	7.4	6.4	9.1	7.4	6.4	9	7.3	6.4	150
155				8.5	7.2	6.4	8.8	7.2	6.4	8.9	7.3	6.4	8.8	7.2	6.3	155
160				8.3	7	6.4	8.6	7.1	6.3	8.6	7.1	6.3	8.6	7	6.3	160
165				8	6.9	6.3	8.3	7	6.3	8.4	7	6.2	8.4	6.9	6.2	165
170				7.8	6.8	6.3	8.1	6.9	6.3	8.2	6.9	6.2	8.2	6.8	6.1	170
175				7.6	6.7	6.3	7.8	6.7	6.2	8	6.8	6.2	7.9	6.7	6.1	175
180				7.4	6.6	6.3	7.6	6.7	6.2	7.8	6.7	6.1	7.8	6.6	6.1	180
185				7.2	6.5	6.3	7.5	6.6	6.2	7.6	6.6	6.1	7.6	6.6	6.1	185
190				7	6.4	6.3	7.3	6.5	6.2	7.4	6.5	6.1	7.4	6.5	6	190
195				6.8	6.4	6.3	7.1	6.4	6.2	7.2	6.4	6.1	7.3	6.4	6	195
200				6.7	6.3	6.3	7	6.4	6.2	7.1	6.4	6.1	7.1	6.4	6	200
205				6.5	6.3	6.3	6.8	6.3	6.2	7	6.3	6.1	7	6.3	6	205
210				6.4	6.3	5.4	6.7	6.3	6.2	6.8	6.3	6.1	6.9	6.2	6	210
215				6.2	6.3		6.6	6.2	6.2	6.7	6.2	6.1	6.8	6.2	6	215
220				6.1	6.3		6.4	6.2	6.2	6.6	6.2	6.1	6.7	6.1	6	220
225				5.7	6.3		6.3	6.2	5.1	6.5	6.2	6.1	6.6	6.1	6	225
230							6.2	6.2		6.4	6.2	6.1	6.5	6.1	6	230
235							6.1	6.2		6.3	6.2	6	6.4	6.1	6	235
240							4.1	6.2		6.2	6.2		6.3	6.1	6	240
245										6.1	6.2		6.2	6.1	6	245
250										5.4	6.2		6.1	6.1	5.7	250
255										2.6	4.9		6	6		255
260													5.9	6		260
265													4.1	6		265
270													3.8	3.9		270

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Lifting capacities

Forces de levage

TK



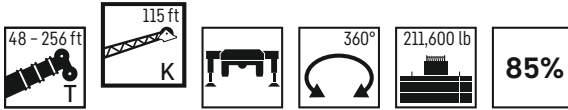
	208 ft			224 ft			240 ft K 92 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
50	11.5															50
55	11.5			9.9												55
60	11.5			10.1			8.2									60
65	11.5			10.2			8.5			6.9						65
70	11.4			10.1			8.7			7.2			6.9			70
75	11.2			10			8.7			7.4			7.1			75
80	11.1			9.9			8.6			7.5			7.3			80
85	10.9	9.4		9.8			8.5			7.5			7.3			85
90	10.7	9.2		9.7	8.5		8.4			7.5			7.3			90
95	10.6	9		9.6	8.4		8.4			7.4			7.3			95
100	10.4	8.8		9.4	8.2		8.3	7.5		7.4			7.3			100
105	10.3	8.6		9.3	8.1		8.2	7.4		7.3	6.9		7.2	6.8		105
110	10.1	8.4	6.9	9.2	7.9		8.1	7.3		7.3	6.8		7.1	6.8		110
115	9.9	8.2	6.8	9.1	7.7	6.6	8	7.2		7.2	6.8		7.1	6.7		115
120	9.7	8	6.7	8.9	7.6	6.5	7.9	7.1	6.2	7.2	6.7		7	6.6		120
125	9.6	7.9	6.6	8.8	7.5	6.4	7.8	7	6.2	7.1	6.6		7	6.5		125
130	9.4	7.7	6.5	8.7	7.3	6.3	7.7	6.9	6.1	7	6.5	5.9	6.9	6.4	5.8	130
135	9.2	7.6	6.4	8.6	7.2	6.3	7.7	6.8	6.1	7	6.4	5.9	6.9	6.4	5.8	135
140	9	7.4	6.4	8.4	7.1	6.2	7.6	6.7	6	6.9	6.4	5.8	6.8	6.3	5.8	140
145	8.8	7.3	6.3	8.3	7	6.2	7.5	6.6	6	6.8	6.3	5.8	6.7	6.2	5.8	145
150	8.7	7.1	6.3	8.1	6.9	6.1	7.4	6.5	5.9	6.7	6.2	5.7	6.6	6.2	5.7	150
155	8.5	7	6.2	8	6.8	6.1	7.3	6.5	5.9	6.6	6.2	5.7	6.5	6.1	5.7	155
160	8.3	6.9	6.1	7.9	6.7	6	7.2	6.4	5.9	6.5	6.1	5.7	6.4	6.1	5.7	160
165	8.1	6.8	6.1	7.7	6.6	6	7.1	6.3	5.8	6.4	6	5.7	6.4	6	5.6	165
170	7.9	6.7	6.1	7.6	6.5	5.9	7	6.3	5.8	6.3	5.9	5.6	6.2	5.9	5.6	170
175	7.8	6.7	6	7.4	6.4	5.9	6.9	6.2	5.8	6.2	5.8	5.6	6.1	5.8	5.6	175
180	7.6	6.6	6	7.3	6.4	5.9	6.8	6.1	5.7	6	5.7	5.6	6	5.7	5.6	180
185	7.4	6.5	6	7.2	6.3	5.9	6.7	6.1	5.7	5.8	5.6	5.5	5.8	5.6	5.5	185
190	7.3	6.4	5.9	7.1	6.2	5.8	6.6	6	5.7	5.7	5.5	5.4	5.6	5.5	5.4	190
195	7.1	6.3	5.9	7	6.2	5.8	6.5	6	5.7	5.5	5.4	5.3	5.5	5.4	5.3	195
200	7	6.3	5.9	6.8	6.1	5.8	6.3	5.9	5.7	5.3	5.3	5.3	5.3	5.3	5.2	200
205	6.9	6.2	5.9	6.7	6.1	5.8	6.2	5.8	5.7	5.1	5.2	5.2	5.1	5.1	5.2	205
210	6.8	6.2	5.9	6.6	6	5.8	6.1	5.7	5.7	5	5	5.1	4.9	5	5.1	210
215	6.7	6.1	5.9	6.5	6	5.8	5.9	5.6	5.6	4.8	4.9	5	4.8	4.9	5	215
220	6.6	6	5.9	6.5	5.9	5.8	5.8	5.5	5.6	4.6	4.8	4.9	4.6	4.7	4.9	220
225	6.5	6	5.9	6.4	5.9	5.8	5.7	5.5	5.5	4.5	4.6	4.8	4.4	4.6	4.8	225
230	6.4	6	5.9	6.3	5.9	5.8	5.5	5.4	5.4	4.3	4.5	4.7	4.3	4.5	4.7	230
235	6.4	6	5.9	6.2	5.8	5.8	5.4	5.3	5.4	4.1	4.3	4.6	4.1	4.3	4.5	235
240	6.3	5.9	5.9	6	5.8	5.8	5.2	5.2	5.3	4	4.2	4.5	3.9	4.1	4.4	240
245	6.1	5.9	5.9	5.8	5.7	5.8	5.1	5.1	5.2	3.8	4	4.3	3.7	4	4.3	245
250	5.8	5.9	5.9	5.6	5.7	5.8	4.9	5	5.1	3.7	3.9	4.1	3.4	3.8	4.1	250
255	5.4	5.8	5.9	5.3	5.6	5.8	4.7	4.9	5	3.5	3.7	4	3.2	3.6	4	255
260	5.3	5.6	5.8	4.9	5.5	5.7	4.5	4.7	4.9	3.3	3.6	3.8	2.9	3.4	3.8	260
265	5.1	5.2	5.3	4.4	5.2	5.4	4.3	4.6	4.8	3.2	3.4	3.6	2.6	3.2	3.5	265
270	4.9	5.1		4.2	4.8	5	4.1	4.5	4.6	3	3.3	3.5	2.4	3	3.2	270
275	4.7	4.9		4.1	4.2	4.4	3.7	4.3	4.4	2.7	3.1	3.3		2.7	2.9	275
280	3.6	4.7		3.9	4.1	4.2	3.2	4.1	4.2		2.9	3.1		2.4	2.5	280
285		3.5		3.8	4		2.8	3.7	3.8		2.8	3			2.2	285
290				3.6	3.8		2.1	3.1	3.3			2.7				290
295					3.6			2.6	2.7							295

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Lifting capacities

Forces de levage

TK

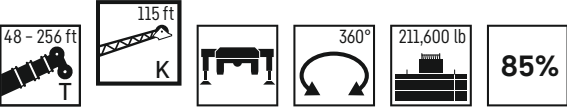


	48 ft			144 ft			160 ft K 115 ft			176 ft			1115 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
19	9.1															19
20	9.1															20
22	9.2															22
24	10.1															24
26	10.8															26
28	11.2															28
30	11.1															30
32	10.9															32
34	10.8															34
36	10.6			9.3												36
38	10.5			9.7												38
40	10.3			10			9.1									40
45	9.9			10.7			9.8			8.7						45
50	9.5			11			10.3			9.2			7.8			50
55	9			10.9			10.4			9.6			8.3			55
60	8.6	7.4		10.7			10.2			9.7			8.7			60
65	8.2	7		10.4			10			9.5			8.8			65
70	7.7	6.6		10.2			9.8			9.4			8.7			70
75	7.2	6.3		9.9			9.6			9.2			8.6			75
80	6.8	6		9.7	7.3		9.4	7.2		9			8.4			80
85	6.5	5.7		9.4	7.1		9.2	7		8.8	6.9		8.2			85
90	6.1	5.5	4.8	9.1	6.9		8.9	6.8		8.6	6.7		8.1	6.4		90
95	5.8	5.2	4.6	8.8	6.6		8.7	6.6		8.4	6.5		7.9	6.3		95
100	5.6	5	4.5	8.6	6.4		8.4	6.4		8.2	6.3		7.7	6.2		100
105	5.3	4.8	4.3	8.3	6.2	4.6	8.2	6.2		7.9	6.1		7.5	6		105
110	5.1	4.6	4.2	8	6.1	4.5	7.9	6	4.5	7.7	6		7.4	5.8		110
115	4.9	4.4	4.1	7.7	5.9	4.5	7.7	5.9	4.5	7.5	5.8	4.4	7.2	5.7		115
120	4.7	4.3	3.9	7.4	5.7	4.4	7.4	5.7	4.4	7.3	5.7	4.3	7	5.6	4.3	120
125	4.5	4.1	3.9	7.1	5.6	4.4	7.2	5.6	4.3	7.1	5.5	4.3	6.8	5.4	4.2	125
130	4.3	4	3.8	6.9	5.4	4.3	6.9	5.4	4.3	6.9	5.4	4.2	6.7	5.3	4.2	130
135	4.2	3.9	3.8	6.6	5.3	4.2	6.7	5.3	4.2	6.7	5.3	4.2	6.5	5.2	4.1	135
140	4	3.8	3.8	6.4	5.1	4.2	6.5	5.2	4.2	6.5	5.1	4.2	6.3	5.1	4.1	140
145	3.9	3.8	3.8	6.2	5	4.2	6.3	5	4.2	6.3	5	4.1	6.2	5	4	145
150	3.8	3.8		6	4.9	4.1	6.1	4.9	4.1	6.1	4.9	4.1	6	4.8	4	150
155	3.7	3.8		5.8	4.8	4.1	5.9	4.8	4	6	4.8	4	5.9	4.7	4	155
160				5.7	4.6	4	5.8	4.7	4	5.8	4.7	4	5.7	4.6	3.9	160
165				5.5	4.6	3.9	5.6	4.6	3.9	5.7	4.6	3.9	5.6	4.6	3.9	165
170				5.3	4.5	3.9	5.5	4.5	3.9	5.5	4.5	3.9	5.5	4.5	3.8	170
175				5.2	4.4	3.9	5.3	4.4	3.8	5.3	4.4	3.8	5.3	4.4	3.8	175
180				5	4.3	3.8	5.2	4.3	3.8	5.2	4.3	3.8	5.2	4.3	3.7	180
185				4.9	4.2	3.8	5	4.2	3.8	5.1	4.3	3.7	5.1	4.2	3.7	185
190				4.8	4.1	3.8	4.9	4.2	3.8	5	4.2	3.7	4.9	4.2	3.7	190
195				4.7	4	3.8	4.8	4.1	3.7	4.9	4.1	3.7	4.8	4.1	3.6	195
200				4.5	4	3.8	4.7	4	3.7	4.7	4	3.7	4.7	4	3.6	200
205				4.4	3.9	3.8	4.6	4	3.7	4.6	4	3.6	4.6	4	3.6	205
210				4.3	3.9	3.8	4.4	3.9	3.7	4.5	3.9	3.6	4.5	3.9	3.6	210
215				4.2	3.8	3.8	4.3	3.9	3.7	4.4	3.9	3.6	4.4	3.8	3.6	215
220				4.1	3.8	3.8	4.2	3.8	3.7	4.3	3.8	3.6	4.3	3.8	3.6	220
225				4	3.8	3.8	4.2	3.8	3.7	4.3	3.8	3.6	4.2	3.8	3.6	225
230				4	3.8	3.8	4.1	3.7	3.7	4.2	3.7	3.6	4.2	3.7	3.6	230
235				3.9	3.8		4	3.7	3.7	4.1	3.7	3.6	4.1	3.7	3.6	235
240				3.8	3.8		3.9	3.7	3.7	4	3.7	3.6	4	3.6	3.6	240
245				3.8	3.8		3.9	3.7		3.9	3.7	3.6	4	3.6	3.6	245
250							3.8	3.7		3.9	3.6	3.6	3.9	3.6	3.6	250
255							3.7	3.7		3.8	3.6	3.6	3.8	3.6	3.6	255
260							3.7	3.7		3.7	3.6		3.8	3.6	3.6	260
265										3.7	3.6		3.7	3.6	3.6	265
270										3.7	3.6		3.7	3.6	3.6	270
275										2.5	3.6		3.6	3.6		275
280													3.6	3.6		280
285													3.3	3.6		285
290													2.4	3.4		290
295														2.5		295

t_240_002_50601_00_000 / 52601_00_000 / 54601_00_000

Lifting capacities
Forces de levage

TK



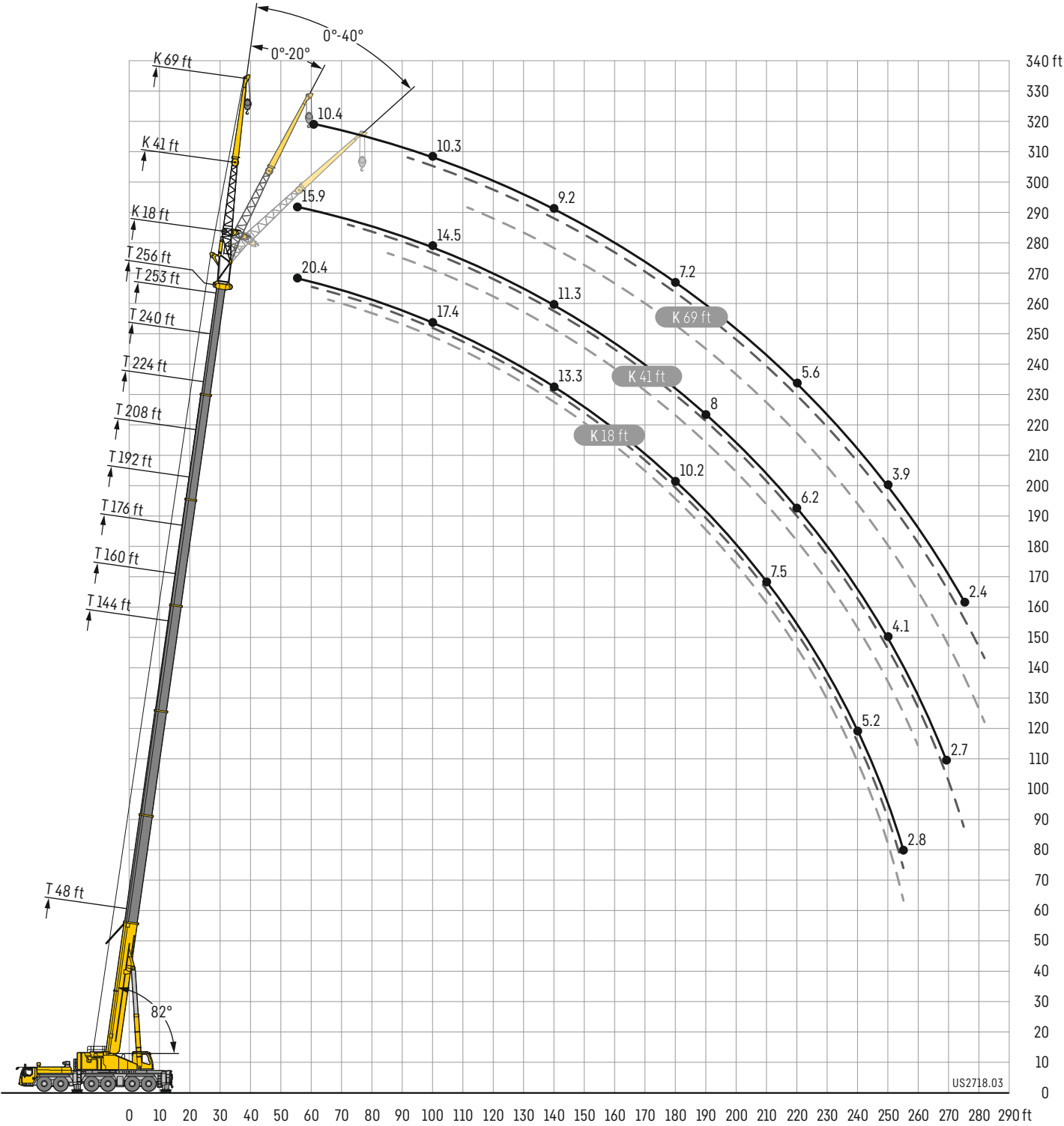
	208 ft			224 ft			240 ft			253 ft			256 ft			
	K 115 ft															
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°		
55	6.7														55	
60	7.1			5.6											60	
65	7.5			5.9			4.6								65	
70	7.6			6.3			4.8								70	
75	7.7			6.5			5.1			4			3.8		75	
80	7.6			6.6			5.3			4			3.8		80	
85	7.5			6.6			5.4			4.1			3.8		85	
90	7.3			6.6			5.5			4.2			3.8		90	
95	7.2			6.6			5.6			4.3			3.8		95	
100	7.1	5.9		6.5			5.6			4.3			3.9		100	
105	7	5.8		6.4	5.4		5.6			4.3			3.9		105	
110	6.8	5.6		6.3	5.3		5.6			4.3			3.9		110	
115	6.7	5.5		6.2	5.2		5.5	4.7		4.3			3.9		115	
120	6.6	5.4		6.1	5.1		5.5	4.7		4.4	4.2		3.9	4.1	120	
125	6.5	5.3	4.1	6	5		5.4	4.7		4.4	4.2		3.9	4.1	125	
130	6.3	5.1	4	5.9	4.9		5.3	4.6		4.4	4.2		3.9	4.1	130	
135	6.2	5	4	5.8	4.8	3.8	5.3	4.5		4.4	4.2		3.9	4.1	135	
140	6.1	4.9	4	5.6	4.7	3.8	5.2	4.4	3.6	4.4	4.1		3.9	4	140	
145	5.9	4.8	3.9	5.5	4.6	3.8	5.1	4.4	3.6	4.3	4.1		3.9	4	145	
150	5.8	4.7	3.9	5.4	4.5	3.8	5	4.3	3.6	4.3	4	3.4	3.9	4	150	
155	5.7	4.6	3.9	5.3	4.4	3.7	4.9	4.2	3.6	4.2	4	3.4	3.9	4	155	
160	5.5	4.5	3.8	5.2	4.4	3.7	4.8	4.1	3.5	4.2	3.9	3.4	3.9	3.9	160	
165	5.4	4.4	3.8	5.1	4.3	3.7	4.8	4.1	3.5	4.2	3.9	3.3	3.9	3.9	165	
170	5.3	4.4	3.8	5	4.2	3.6	4.7	4	3.5	4.1	3.8	3.3	3.8	3.8	170	
175	5.2	4.3	3.7	4.9	4.2	3.6	4.6	4	3.5	4.1	3.8	3.3	3.8	3.8	175	
180	5	4.2	3.7	4.8	4.1	3.6	4.5	3.9	3.5	4	3.7	3.3	3.7	3.7	180	
185	4.9	4.1	3.6	4.7	4	3.6	4.5	3.8	3.4	4	3.7	3.3	3.7	3.7	185	
190	4.8	4.1	3.6	4.7	3.9	3.5	4.4	3.8	3.4	3.9	3.6	3.3	3.7	3.6	190	
195	4.7	4	3.6	4.6	3.9	3.5	4.3	3.7	3.4	3.9	3.6	3.3	3.6	3.6	195	
200	4.6	4	3.5	4.5	3.9	3.5	4.2	3.7	3.4	3.8	3.5	3.3	3.6	3.5	200	
205	4.5	3.9	3.5	4.4	3.8	3.5	4.2	3.6	3.4	3.7	3.5	3.3	3.6	3.5	205	
210	4.4	3.8	3.5	4.3	3.8	3.4	4.1	3.6	3.4	3.7	3.5	3.3	3.5	3.4	210	
215	4.4	3.8	3.5	4.3	3.7	3.4	4	3.6	3.3	3.6	3.4	3.2	3.5	3.4	215	
220	4.3	3.7	3.5	4.2	3.7	3.4	4	3.5	3.3	3.5	3.4	3.2	3.5	3.4	220	
225	4.2	3.7	3.5	4.1	3.6	3.4	3.9	3.5	3.3	3.4	3.3	3.2	3.3	3.4	225	
230	4.1	3.7	3.5	4	3.6	3.4	3.9	3.5	3.3	3.2	3.3	3.2	3.2	3.3	230	
235	4.1	3.6	3.5	4	3.5	3.4	3.8	3.4	3.3	3.1	3.2	3.2	3.1	3.2	235	
240	4	3.6	3.5	3.9	3.5	3.4	3.8	3.4	3.3	2.9	3.1	3.2	2.9	3.1	240	
245	3.9	3.6	3.5	3.9	3.5	3.4	3.7	3.4	3.3	2.8	3	3.2	2.8	3	245	
250	3.9	3.5	3.5	3.8	3.4	3.4	3.6	3.4	3.3	2.6	2.9	3.1	2.6	2.9	250	
255	3.8	3.5	3.5	3.7	3.4	3.4	3.5	3.3	3.3	2.5	2.8	3.1	2.5	2.8	255	
260	3.8	3.5	3.5	3.7	3.4	3.4	3.5	3.3	3.3	2.3	2.7	3	2.3	2.6	260	
265	3.7	3.5	3.5	3.6	3.4	3.4	3.4	3.3	3.3	2.2	2.5	2.8		2.5	265	
270	3.7	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3		2.4	2.7		2.4	270	
275	3.6	3.5	3.5	3.4	3.4	3.4	3.2	3.2	3.3		2.2	2.5		2.2	275	
280	3.5	3.5	3.5	3.2	3.3	3.4	3	3.1	3.3			2.4			280	
285	3.5	3.5		2.9	3.3	3.4		3.1	3.3			2.2			285	
290	3.5	3.5		2.8	3.2	3.4		3	3.3						290	
295	3.3	3.5		2.6	2.8	3.2		2.8	3.1						295	
300	2.2	3.4		2.5	2.7				2.7						300	
305		2.6			2.6										305	
310					2.4										310	

t_240_002_50601_00_000 / 52601_00_000 / 54601_00_000

Lifting heights

Hauteurs de levage

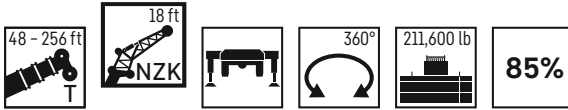
TNZK



Lifting capacities

Forces de levage

TNZK



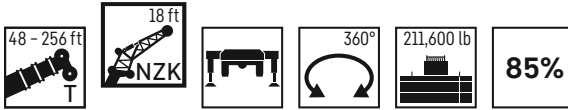
	48 ft			64 ft			80 ft			96 ft			112 ft			128 ft			144 ft			160 ft			
	NZK 18 ft																								
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	128.3	101.2																							12
13	125.9	99.2	84.3	130.9	103																				13
14	122.7	97.2	82.9	130.3	101.1		130.4																		14
15	119.5	95.3	81.7	127.6	99.4	83.9	129.2	100.7																	15
16	116.3	93.5	80.5	124.9	97.8	82.8	127.4	99.6		126.8															16
17	113.7	91.8	79.3	122.4	96.2	81.8	125.2	98.2		125.1															17
18	111.2	90.1	78.2	120	94.7	80.8	123.1	96.8	81.8	123.4	97.5		121.2												18
19	108.6	88.4	77.1	117.6	93.3	79.9	121	95.5	81	121.7	96.4		119.9												19
20	106	86.9	76.1	115.2	91.9	78.9	119	94.2	80.2	120	95.3		118.6												20
22	101.2	84	74	110.7	89.2	77.1	115.1	91.7	78.5	116.6	93	79.4	115.9	93.5		105.6									22
24	96.9	81.1	72.2	106.7	86.4	75.3	111.2	89.2	77	113.1	90.8	77.9	113.1	91.5	78.3	105.6	91.1								24
26	92.9	78.6	70.4	102.6	84.1	73.6	107.5	87	75.4	109.9	88.7	76.5	110.2	89.5	77	105.3	89.6		95.2						26
28	89.1	76.1	68.8	98.8	81.8	72.2	104.2	84.8	74.1	106.9	86.7	75.2	107.5	87.6	75.8	104.7	88.2	76.8	94.7	83.6					28
30	86	73.8	67.3	95.4	79.5	70.8	101.1	82.8	72.7	103.9	84.8	73.9	104.8	85.8	74.6	103.9	86.9	75.8	94.2	82.7		79.4			30
32	82.8	71.9	65.9	92.3	77.5	69.4	98	81	71.4	100.9	83	72.8	102.4	84.2	73.5	102.4	85.6	74.8	93.4	81.7	73	79.4			32
34	79.9	70.1	64.7	89.2	75.6	68.2	95.1	79.2	70.2	98.5	81.2	71.6	100.1	82.6	72.4	100.8	84.3	73.9	92.4	80.7	72.2	79.3	73.9		34
36	77.4	68.3	63.6	86.5	73.8	67	92.4	77.5	69.1	96.1	79.6	70.5	97.8	81.1	71.4	99.1	83.1	73	91.5	79.8	71.4	79	73.3	67.7	36
38	74.9	66.7	62.6	84.1	72.1	65.9	89.9	75.9	68	93.7	78.2	69.5	95.6	79.7	70.5	97.4	81.8	72.2	90.4	78.8	70.7	78.6	72.7	67.2	38
40	72.6	65.2	61.7	81.7	70.7	64.9	87.6	74.3	67	91.4	76.8	68.5	93.6	78.2	69.5	95.7	80.6	71.3	89.3	77.9	69.9	78.2	72	66.6	40
45	67.9	62.2	60.1	76.3	67.2	62.7	82.3	70.8	64.8	86.3	73.3	66.3	88.9	75.2	67.4	91.6	77.6	69.4	86.3	75.4	68.2	76.5	70.2	65.2	45
50	64.1	59.9	59.4	71.7	64.3	60.9	77.7	67.9	62.9	81.8	70.4	64.3	84.4	72.3	65.5	88	75	67.5	83.1	73.2	66.6	73.6	67.9	63.7	50
55	60.5	58.2	9.1	68	61.9	59.7	73.7	65.2	61.2	78	67.8	62.6	80.7	69.7	63.7	84.3	72.5	66	78.7	71	65.1	69.8	65.1	61.7	55
60				64.7	59.9	32.6	70.2	63	59.9	74.4	65.6	61.2	77.2	67.3	62.2	81.2	70.2	64.4	73.8	69	63.8	66.1	62.3	59.3	60
65				62.2	58.8	16	67.2	61.1	58.9	71.2	63.4	59.9	74.2	65.3	60.9	78.2	68.3	63.1	69.1	66.9	62.6	62.5	59.9	57.1	65
70				59.3	57.5	9.5	64.5	59.6	47.6	68.4	61.7	59	71.4	63.5	59.8	74.8	66.5	61.9	64.9	64.3	61	59	57.5	55.1	70
75				41.9			62.3	58.4	22.2	65.9	60.1	58.1	68.9	61.7	58.8	68.5	64.9	60.9	60.9	60.6	58.8	55.6	55.1	53.1	75
80							60.5	57.8	13.8	63.9	58.9	57.8	64.2	60.4	58	62.6	63	60.1	57.1	56.9	56.4	52.7	52.5	51.1	80
85							58.2	55.9	9.2	60.2	57.8	29	59	59	57.4	57.3	57.9	58	53.7	53.6	53.6	49.8	49.8	49	85
90							40.8	13.5		55.6	55.9	18.1	54.4	54.8	55	52.7	53.3	53.5	51.4	50.4	50.5	47.2	47.2	46.9	90
95										51.5	51.8	12.5	50.2	50.6	37.1	48.6	49.1	49.3	49.3	47.1	47.4	44.9	44.8	44.8	95
100										47.9	44.9	9	46.6	46.9	22.6	44.9	45.3	45.5	46.2	45.1	44.3	42.6	42.6	42.6	100
105										35.8	15.6	5.7	43.3	43.5	15.8	43.1	41.9	40.7	42.9	43.1	42.9	40.3	40.4	40.5	105
110													40.3	40.5	11.7	41.4	40.2	27.7	39.9	40.2	40.4	38.2	38.2	38.3	110
115													37.6	37.7	8.9	38.9	39	19.2	37.1	37.4	37.6	35.5	35.9	36.1	115
120													31	17	6.3	36.4	36.6	14.4	34.6	34.9	32.4	33	33.3	33.5	120
125																34.1	34.3	11.2	32.3	32.5	22.8	31.3	31.4	31.5	125
130																32	32.1	8.8	30.2	30.4	17.2	29.5	29.8	29.9	130
135																25	18.2	6.6	28.2	28.3	13.5	27.5	27.7	26.7	135
140																			26.3	26.4	10.8	25.6	25.8	20.1	140
145																			24.6	24.7	8.7	23.8	24	15.8	145
150																			20.7	19	6.9	22.2	22.4	12.7	150
155																						20.7	20.9	10.5	155
160																						19.4	19.4	8.6	160
165																						16.4	16.4	7	165
170																						10.5	9.4		170

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Lifting capacities

Forces de levage

TNZK



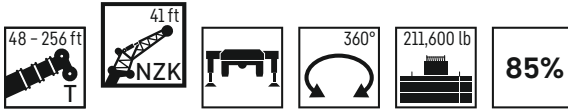
	176 ft			192 ft			208 ft			224 ft			240 ft			253 ft			256 ft			
	NZK 18 ft																					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
34	64.7																					34
36	64.5																					36
38	64.2	64.7		51.5																		38
40	64	64.5		51.3																		40
45	63.2	63.7	61	50.8	51.2	51.4	41.6															45
50	62.2	62.8	60	50.3	50.7	51.2	41.2	41.5	42.2	34			25.4									50
55	60.7	60.6	58.7	49.7	50	50.5	40.9	41.2	41.3	33.8	33.8	34.1	25.3	25.4		21			20.4			55
60	57.9	57.8	56.7	48.7	48.8	49	40.3	40.1	40.2	33.2	33.2	33.5	25.1	25.2	25.1	21	21		20.4	20.4		60
65	55	54.9	54.4	46.9	47	47.2	39.1	38.9	39	32.5	32.4	32.6	24.9	24.9	25	20.9	20.9	20.9	20.3	20.4	20.3	65
70	52.2	52.2	52.1	44.9	45	45.3	37.9	37.7	37.7	31.6	31.4	31.5	24.6	24.5	24.6	20.7	20.7	20.8	20.2	20.3	20.3	70
75	49.6	49.5	49.7	43	43.1	43.3	36.6	36.4	36.3	30.6	30.3	30.4	24.1	24	24.1	20.4	20.3	20.4	20	20	20.1	75
80	46.9	4	47.1	41.1	41.1	41.4	35.3	35	34.9	29.5	29.3	29.3	23.5	23.4	23.5	19.9	19.9	19.9	19.6	19.6	19.6	80
85	44.4	44.4	44.6	39.2	39.2	39.5	34	33.7	33.6	28.5	28.3	28.3	22.8	22.8	22.8	19.4	19.3	19.4	19.1	19.1	19.1	85
90	42.1	42.1	42.3	37.3	37.4	37.6	32.7	32.4	32.3	27.5	27.3	27.3	22.2	22.1	22.2	18.8	18.7	18.8	18.6	18.5	18.5	90
95	39.8	40	40.1	35.5	35.6	35.8	31.4	31.2	31.1	26.6	26.3	26.3	21.5	21.4	21.5	18.2	18.1	18.2	18	17.9	18	95
100	37.7	37.8	38	33.8	33.9	34.1	30.1	30	29.9	25.6	25.4	25.4	20.9	20.7	20.8	17.6	17.5	17.6	17.4	17.4	17.4	100
105	35.9	35.9	36	32.1	32.2	32.5	28.9	28.8	28.8	24.7	24.5	24.5	20.2	20.1	20.1	17	16.9	17	16.8	16.8	16.8	105
110	34	34.2	34.3	30.6	30.6	30.9	27.6	27.6	27.6	23.7	23.6	23.6	19.5	19.4	19.5	16.5	16.4	16.4	16.3	16.2	16.3	110
115	32.2	32.4	32.5	29.1	29.2	29.4	26.3	26.4	26.5	22.9	22.7	22.7	18.9	18.8	18.8	15.9	15.8	15.9	15.8	15.7	15.7	115
120	30.6	30.7	30.8	27.7	27.8	28	25.1	25.2	25.3	22.1	21.9	21.9	18.2	18.1	18.2	15.4	15.3	15.4	15.3	15.2	15.2	120
125	29.1	29.2	29.3	26.3	26.5	26.6	24	24	24.2	21.3	21.2	21.2	17.6	17.5	17.6	14.8	14.8	14.8	14.7	14.7	14.7	125
130	27.7	27.7	27.9	25	25.2	25.3	22.9	23	23.1	20.5	20.4	20.4	17.1	17	17	14.3	14.3	14.3	14.3	14.2	14.2	130
135	25.8	26.1	26.3	23.8	23.9	24	21.8	22	22.1	19.7	19.6	19.7	16.5	16.4	16.5	13.8	13.8	13.8	13.8	13.7	13.8	135
140	23.9	24.2	24.4	22.7	22.8	22.9	20.8	20.9	21	19	18.9	19	15.9	15.9	15.9	13.4	13.4	13.4	13.3	13.3	13.3	140
145	22.9	22.9	23	21.5	21.7	21.8	19.8	19.9	20	18.2	18.2	18.3	15.4	15.4	15.4	12.9	12.9	12.9	12.9	12.8	12.9	145
150	21.9	21.9	22	20.5	20.6	20.7	18.9	19	19.1	17.5	17.5	17.6	15	14.9	14.9	12.5	12.5	12.5	12.4	12.4	12.4	150
155	20.6	20.8	18.2	19.2	19.5	19.6	17.9	18.1	18.2	16.7	16.8	16.9	14.5	14.4	14.5	12.1	12.1	12.1	12	12	12	155
160	19.2	19.3	14.7	17.8	18.1	18.1	17.1	17.2	17.3	16	16.1	16.2	14	14	14	11.7	11.7	11.7	11.7	11.6	11.7	160
165	17.8	18	12.2	17	17.1	17.1	16.2	16.3	16.4	15.3	15.4	15.4	13.6	13.5	13.6	11.3	11.3	11.3	11.3	11.3	11.3	165
170	16.6	16.7	10.2	16.3	16.3	16.4	15.4	15.6	15.6	14.6	14.6	14.7	13.1	13.1	13.1	10.9	10.9	11	10.9	10.9	10.9	170
175	15.5	15.6	8.6	15.7	15.7	13.9	14.5	14.7	14.7	13.8	13.9	14	12.7	12.7	12.7	10.6	10.6	10.6	10.6	10.6	10.6	175
180	13.1	13.2	7.1	14.8	14.9	11.8	13.5	13.5	13.6	13.2	13.3	13.3	12.3	12.3	12.3	10.2	10.2	10.2	10.2	10.2	10.2	180
185	9.3	9.1		13.8	13.9	10	12.9	12.9	13	12.6	12.7	12.7	11.9	11.9	11.9	9.8	9.8	9.9	9.7	9.8	9.8	185
190				12.8	12.9	8.6	12.4	12.5	12.5	11.4	11.4	11.5	11.5	11.5	11.6	9.5	9.5	9.5	9.2	9.3	9.3	190
195				10.7	10.7	7.2	11.9	12	11.4	10.9	11	11	11	11	11.1	9.1	9.1	9.2	8.8	8.8	8.9	195
200				7.7	7.7	5.1	11.4	11.4	9.9	9.4	9.7	9.8	10.5	10.6	10.6	8.8	8.8	8.9	8.3	8.4	8.4	200
205							9.8	9.9	8.5	7.5	7.9	7.8	10	10.1	10.1	8.5	8.5	8.5	7.9	7.9	8	205
210							8.8	8.8	7.3	5.7	6	6	9.5	9.6	9.6	8.1	8.2	8.2	7.5	7.5	7.5	210
215							5.7	5.8	4.2	4	4.3	4.2	8.8	8.9	8.9	7.8	7.9	7.9	7.1	7.1	7.1	215
220										2.4	2.6	2.3	8.1	8.2	8.2	7.5	7.6	7.6	6.7	6.7	6.7	220
225													7.4	7.5	7.5	7.2	7.2	7.3	6.3	6.3	6.3	225
230													6.9	6.9	6.9	6.9	7	7	5.9	5.9	6	230
235													6.4	6.4	6.4	6.5	6.5	6.5	5.6	5.6	5.6	235
240													4.6	4.8	4.3	5.9	6	6	5.2	5.2	5.2	240
245																5.3	5.3	5.3	4.9	4.8	4.8	245
250																4.4	4.6	4.3	4.4	4.4	4.4	250
255																	2.1		2.8	3	2.6	255

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Lifting capacities

Forces de levage

TNZK



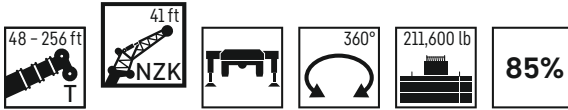
	48 ft			144 ft			160 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	52.4															12
13	52.1															13
14	51.7															14
15	51.2															15
16	50.7															16
17	50.1															17
18	49.5															18
19	48.9	39.2														19
20	48.3	39														20
22	47.1	37.2														22
24	45.8	35.3		52.7												24
26	44.3	33.6		52.8												26
28	42.9	32.1	23.1	52.8			47.4									28
30	41.4	30.8	22.8	52.6			47.4									30
32	40.1	29.5	22.1	52.4			47.4			41.7						32
34	38.8	28.5	21.6	52			47.3			41.6						34
36	37.5	27.4	21.1	51.6			47.1			41.6			35.6			36
38	36.3	26.4	20.6	51.2	38.4		46.7			41.5			35.7			38
40	34.9	25.6	20.2	50.7	37.5		46.3			41.3			35.7			40
45	31.2	23.6	19.2	49.3	35.2	23.1	45.4	36.1		40.7			35.5			45
50	28	22.1	18.4	47.8	33.3	22.3	44.5	34.1	22.5	40.1	34.5		35.2			50
55	25.4	20.8	17.8	46.3	31.6	21.7	43.5	32.3	21.9	39.5	32.9	22	34.8	31.8		55
60	23.4	19.6	17.4	44.6	30	21.1	42.6	30.8	21.3	38.8	31.3	21.4	34.4	31	21.5	60
65	21.6	18.7	17.1	42.8	28.7	20.6	41.4	29.5	20.8	38.2	29.9	20.9	34	30.1	20.9	65
70	20.1	18	17.1	41.1	27.5	20.1	40.1	28.3	20.3	37.5	28.7	20.5	33.6	28.8	20.5	70
75	18.8	17.6	16.3	39.5	26.4	19.6	38.8	27.2	19.9	36.7	27.5	20	33.1	27.7	20.1	75
80	17.8	17.5		38	25.4	19.2	37.6	26.2	19.5	35.8	26.6	19.7	32.7	26.7	19.7	80
85				36.5	24.5	18.9	36.4	25.2	19.1	34.9	25.7	19.3	32	25.8	19.4	85
90				34.8	23.6	18.6	35.2	24.4	18.8	34	24.8	19	31.4	25	19.1	90
95				33	22.9	18.3	34.1	23.6	18.5	33.1	24	18.7	30.7	24.3	18.8	95
100				31.3	22.2	18	32.9	22.9	18.2	32.3	23.3	18.4	29.9	23.5	18.5	100
105				29.6	21.5	17.8	31.4	22.3	18	31.5	22.7	18.1	29	22.9	18.2	105
110				28.2	20.9	17.6	30	21.6	17.8	30.5	22.1	17.9	27.8	22.3	18	110
115				26.9	20.4	17.4	28.6	21	17.6	29.4	21.5	17.7	26.5	21.7	17.8	115
120				25.7	19.9	17.3	27.3	20.6	17.4	28.2	21	17.5	25.4	21.1	17.6	120
125				24.6	19.4	17.2	26.3	20.1	17.3	27	20.5	17.4	24.3	20.7	17.4	125
130				23.7	19	17.1	25.2	19.6	17.1	25.9	20.1	17.2	23.2	20.3	17.3	130
135				22.8	18.6	17.1	24.2	19.2	17.1	24.7	19.7	17.2	22.2	19.9	17.2	135
140				21.9	18.3	17.1	23.3	18.9	17	23.6	19.3	17.1	21.2	19.5	17.1	140
145				21.1	18	15.7	22.6	18.6	17	22.6	18.9	17	20.2	19.1	17.1	145
150				20.4	17.8	10.1	21.8	18.2	17	21.5	18.6	17	19.3	18.7	17	150
155				19.7	17.6	7.2	21	18	16.5	20.4	18.4	17	18.4	18.3	17	155
160				19.1	17.5	5.4	20.4	17.8	12.4	19	18.1	17	17.5	17.8	16.8	160
165				18.6	17.5		19.4	17.6	8.7	17.7	17.8	17	16.7	17.1	16.6	165
170				17.2	16		18.1	17.5	6.6	17	17.1	15.1	16	16.4	16.4	170
175				10.2	6.9		17	17.4	5.1	16.3	16.5	10.5	15	15.6	15.8	175
180							15.9	16.3		15.5	15.8	7.8	14	14.7	15	180
185							13.3	15.2		14.5	15	6.1	13.1	13.6	12.2	185
190							7.7	7.5		13.6	14	4.9	12.6	12.7	9.1	190
195										12.7	13		12.1	12.2	7.2	195
200										10.4	12.1		11.6	11.7	5.8	200
205										6.1	7.8		11	11.3		205
210													10.3	10.6		210
215													8.3	9.8		215
220													7.1	7.2		220

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Lifting capacities

Forces de levage

TNZK



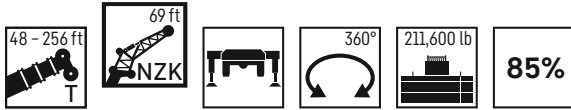
	208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	30			23.3												45
50	30.1			23.5			19.4									50
55	29.9			23.6			19.4			16.4			15.9			55
60	29.7	28.3		23.8			19.4			16.4			15.9			60
65	29.5	27.8	20.9	23.9	23.9		19.3			16.4			16			65
70	29.3	27.3	22.6	23.8	23.7		19.2	19.2		16.3			15.9			70
75	28.9	26.9	22	23.6	23.3	22.5	19.1	18.8		16.1	16		15.8	15.7		75
80	28.5	26.4	21.5	23.2	22.8	22.1	18.9	18.4	17.8	15.9	15.8		15.6	15.5		80
85	28.1	25.6	21.1	22.6	22.3	21.6	18.7	17.9	17.4	15.7	15.5	15.1	15.4	15.2	15	85
90	27.4	24.8	20.8	22.1	21.7	21.2	18.2	17.5	16.9	15.5	15.1	14.7	15.2	15	14.6	90
95	26.7	24.1	20.5	21.5	21.1	20.7	17.9	17	16.4	15.1	14.8	14.4	14.9	14.6	14.2	95
100	25.8	23.4	20.2	20.8	20.4	20.3	17.4	16.6	16	14.7	14.4	14	14.5	14.3	13.9	100
105	24.9	22.8	19.9	20.2	19.8	19.7	17	16.1	15.6	14.3	14.1	13.7	14.1	13.9	13.6	105
110	24	22.2	19.4	19.5	19.1	19.1	16.5	15.7	15.2	13.9	13.7	13.4	13.8	13.6	13.3	110
115	23.2	21.7	18.8	18.9	18.5	18.5	16.1	15.3	14.9	13.5	13.3	13	13.4	13.2	12.9	115
120	22.4	21.1	18.2	18.2	17.9	17.9	15.6	14.9	14.5	13.1	12.9	12.7	12.9	12.8	12.6	120
125	21.5	20.7	17.6	17.6	17.3	17.3	15.1	14.6	14.2	12.6	12.5	12.4	12.5	12.4	12.3	125
130	20.7	20.1	17.3	17	16.8	16.7	14.6	14.2	13.9	12.2	12.1	12.1	12.1	12	12.1	130
135	19.9	19.6	17.2	16.4	16.2	16.2	14.1	13.8	13.5	11.8	11.7	11.8	11.7	11.6	11.7	135
140	19.1	19	17.1	15.9	15.7	15.7	13.7	13.4	13.2	11.4	11.3	11.4	11.3	11.2	11.4	140
145	18.3	18.3	17.1	15.4	15.2	15.2	13.2	13	12.9	11	10.9	11	10.9	10.9	11	145
150	17.5	17.7	17	14.9	14.7	14.7	12.8	12.7	12.6	10.6	10.6	10.7	10.6	10.5	10.6	150
155	16.7	17.1	16.8	14.4	14.3	14.3	12.4	12.3	12.3	10.3	10.2	10.3	10.2	10.2	10.3	155
160	16	16.4	16.3	13.9	13.8	13.8	12	11.9	12	9.9	9.9	10	9.8	9.8	9.9	160
165	15.3	15.6	15.7	13.5	13.3	13.4	11.6	11.6	11.6	9.6	9.5	9.6	9.5	9.5	9.6	165
170	14.6	14.9	15.2	13	12.9	13	11.2	11.2	11.3	9.2	9.2	9.3	9.2	9.2	9.3	170
175	13.9	14.2	14.5	12.5	12.5	12.6	10.9	10.8	10.9	8.9	8.9	9	8.9	8.9	9	175
180	13.2	13.6	13.9	12.1	12.1	12.2	10.5	10.5	10.6	8.6	8.6	8.7	8.6	8.6	8.7	180
185	12.6	13	13.2	11.6	11.7	11.8	10.2	10.2	10.3	8.3	8.3	8.4	8.3	8.3	8.4	185
190	12	12.3	12.6	11.1	11.3	11.5	9.8	9.8	9.9	8	8	8.1	8	8	8.1	190
195	11.2	11.7	11.9	10.7	10.9	11.1	9.5	9.5	9.6	7.8	7.8	7.9	7.7	7.8	7.9	195
200	10.3	11	10.7	10.2	10.4	10.7	9.2	9.2	9.3	7.5	7.5	7.6	7.4	7.5	7.6	200
205	9.8	10.1	8.3	9.7	10	10.2	8.9	8.9	9	7.3	7.3	7.4	7.1	7.3	7.4	205
210	9.5	9.5	6.7	9.2	9.5	9.7	8.6	8.7	8.8	7.1	7	7.1	6.8	7.1	7.1	210
215	9.1	9.2	5.5	8.7	9	9.2	8.3	8.4	8.5	6.8	6.8	6.9	6.5	6.8	6.8	215
220	8.7	8.8		7.9	8.4	7.6	7.9	8.1	8.2	6.6	6.6	6.7	6.2	6.4	6.5	220
225	8.4	8.5		7.6	7.7	6.3	7.6	7.8	7.9	6.4	6.4	6.5	5.9	6.1	6.2	225
230	7	8.2		7.4	7.4	5.3	7.2	7.5	7.6	6.2	6.2	6.3	5.5	5.7	5.9	230
235	5.6	6.6		7.1	7.2		6.8	7.1	7	6	6	6.1	5.1	5.4	5.5	235
240				6.9	6.9		6.3	6.6	6	5.8	5.8	5.9	4.8	5	5.1	240
245				6.1	6.8		5.8	6.1	5.1	5.5	5.6	5.7	4.4	4.7	4.7	245
250				3.5	4.8		5.1	5.5		5.2	5.4	5.5	4.1	4.3	4.4	250
255							4.6	4.9		4.6	5	5.1	3.8	4	4	255
260							3.2	4.3		4	4.4		3.5	3.7	3.7	260
265										3.4	3.8		3.2	3.4		265
270										2.8	3.2		2.7	3		270
275														2.4		275

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Lifting capacities

Forces de levage

TNZK



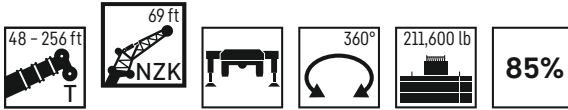
	48 ft			144 ft			160 ft			176 ft			192 ft			
	NZK 69 ft															
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	20.8															12
13	20.8															13
14	20.9															14
15	21															15
16	21															16
17	21															17
18	21															18
19	21															19
20	21															20
22	21															22
24	20.9															24
26	20.7															26
28	20.5			20.8												28
30	20.3			20.9			19.9									30
32	20			21			19.9									32
34	19.7	17.8		21			19.9			18.7						34
36	19.4	17.5		21			19.9			18.7						36
38	19.1	17.2		21			19.9			18.8			17.4			38
40	18.7	16.9		21			19.9			18.8			17.4			40
45	17.9	16.1		21			19.9			18.8			17.5			45
50	17.1	15.4		20.8			19.9			18.8			17.5			50
55	16.3	14.7	13.2	20.5	17.5		19.8	17.2		18.8			17.5			55
60	15.5	14.1	12.8	20.3	17		19.6	16.8		18.7	16.3		17.5			60
65	14.8	13.6	12.4	19.9	16.7		19.3	16.4		18.5	16		17.3	15.2		65
70	14.2	13.1	12	19.5	16.2	13.4	19	16		18.2	15.6		17.1	15		70
75	13.6	12.6	11.8	19	15.8	13.2	18.6	15.6	13.1	17.9	15.3		16.8	14.7		75
80	13.1	12.3	11.6	18.6	15.4	13	18.2	15.3	12.9	17.6	15	12.7	16.6	14.4		80
85	12.6	12	11.4	18.1	15.1	12.8	17.8	15	12.7	17.2	14.7	12.5	16.3	14.2	12.2	85
90	12.1	11.7	11.4	17.7	14.7	12.6	17.4	14.6	12.5	16.9	14.4	12.3	16	13.9	12.1	90
95	11.6	11.5	11.4	17.2	14.4	12.4	17	14.3	12.3	16.5	14.1	12.2	15.7	13.7	11.9	95
100	11.1	11.4	11.4	16.7	14.1	12.2	16.6	14.1	12.2	16.2	13.9	12	15.4	13.4	11.8	100
105	10.6	11.3	4.5	16.3	13.8	12.1	16.2	13.8	12	15.8	13.6	11.9	15.1	13.2	11.7	105
110	9.8			15.9	13.5	11.9	15.8	13.5	11.9	15.5	13.4	11.7	14.9	13	11.5	110
115				15.5	13.3	11.8	15.5	13.3	11.8	15.2	13.1	11.6	14.6	12.8	11.4	115
120				15.1	13.1	11.7	15.1	13	11.6	14.9	12.9	11.5	14.4	12.6	11.3	120
125				14.7	12.8	11.6	14.8	12.8	11.5	14.6	12.7	11.4	14.1	12.4	11.2	125
130				14.4	12.6	11.5	14.4	12.6	11.4	14.3	12.5	11.4	13.9	12.3	11.1	130
135				14.1	12.4	11.4	14.1	12.4	11.4	14	12.3	11.3	13.6	12.1	11.1	135
140				13.7	12.2	11.4	13.8	12.3	11.3	13.8	12.2	11.2	13.4	11.9	11	140
145				13.4	12.1	11.4	13.6	12.1	11.3	13.5	12	11.2	13.2	11.8	11	145
150				13.1	11.9	11.4	13.3	11.9	11.2	13.2	11.9	11.1	13	11.7	10.9	150
155				12.9	11.8	11.4	13	11.8	11.2	13	11.7	11.1	12.8	11.5	10.9	155
160				12.6	11.7	11.4	12.8	11.7	11.2	12.8	11.6	11.1	12.6	11.4	10.8	160
165				12.3	11.6	11.4	12.5	11.6	11.2	12.5	11.5	11.1	12.4	11.3	10.8	165
170				12	11.5	11.4	12.3	11.5	11.2	12.3	11.4	11.1	12.2	11.2	10.8	170
175				11.8	11.5	11.4	12.1	11.4	11.2	12.1	11.3	11.1	12	11.1	10.8	175
180				11.5	11.4	8.6	11.8	11.3	11.2	12	11.2	11.1	11.8	11.1	10.8	180
185				11.2	11.3	6.2	11.6	11.3	11.2	11.8	11.2	11.1	11.7	11	10.8	185
190				10.9	11.3		11.4	11.3	10.3	11.6	11.1	11.1	11.5	10.9	10.8	190
195				10.6	11.3		11.2	11.2	7.6	11.4	11.1	11.1	11.2	10.9	10.8	195
200				10.2	10.7		11	11.2	5.8	11.3	11.1	11.1	11	10.9	10.8	200
205							10.8	11.2		11.1	11	9.1	10.7	10.9	10.8	205
210							10.5	11.2		10.9	11	7	10.1	10.6	10.8	210
215							7.7	10.6		10.7	10.9	5.4	9.4	10.2	10.3	215
220										10.1	10.7		9	9.4	8.2	220
225										8.8	9.9		8.7	8.8	6.4	225
230										6	8.1		8.3	8.5	5.2	230
235											3		8	8.2		235
240													7	7.9		240
245													5.2	6.5		245
250														5.2		250

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Lifting capacities

Forces de levage

TNZK



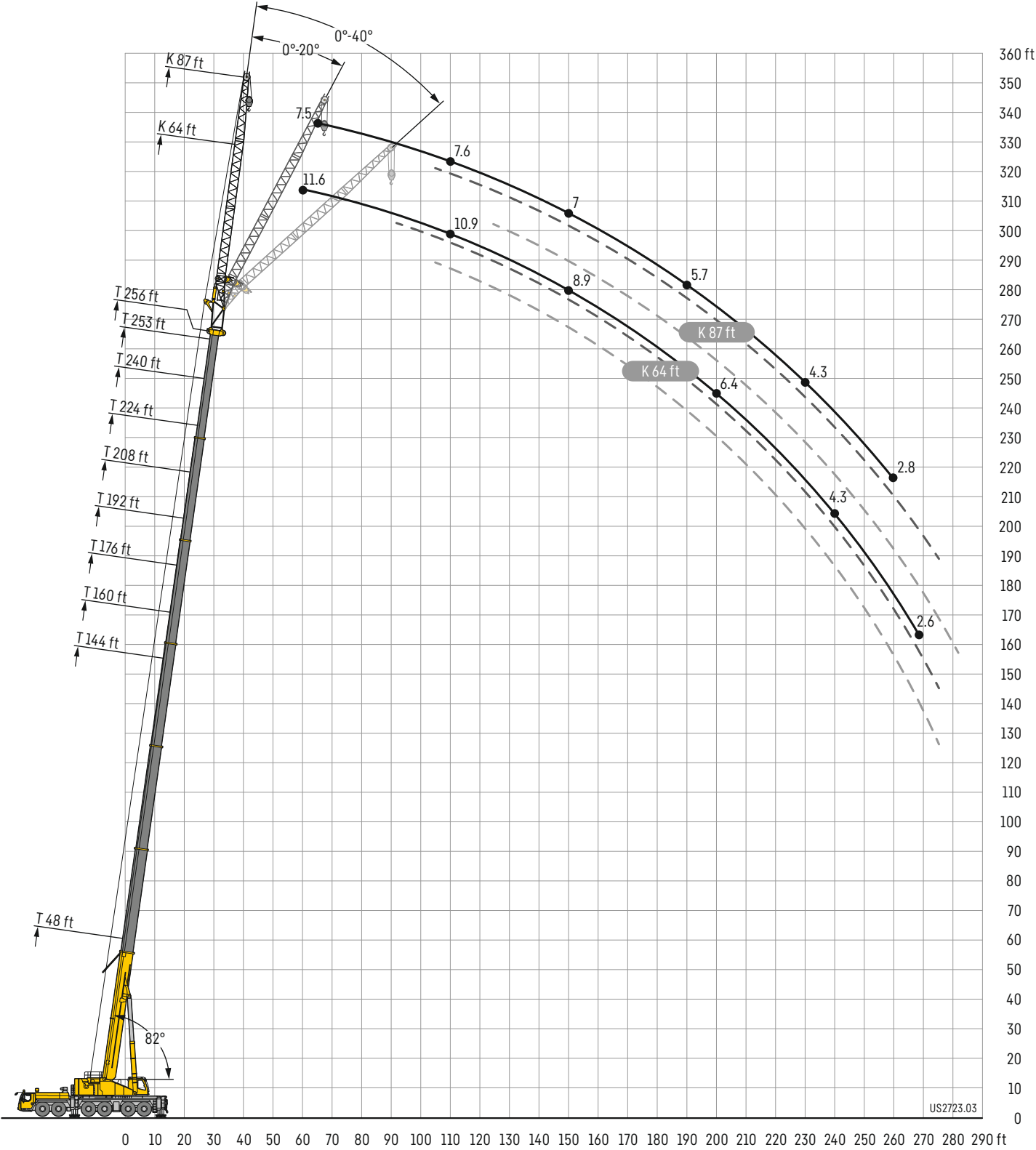
	208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	15.8															45
50	15.9			14												50
55	15.9			14.1			12.2									55
60	15.8			14.1			12.2			10.6			10.4			60
65	15.7			14			12.2			10.6			10.4			65
70	15.6	14.1		14			12.2			10.7			10.4			70
75	15.5	13.9		13.8			12.1			10.7			10.5			75
80	15.2	13.6		13.7	12.6		12.1			10.7			10.4			80
85	15	13.4		13.6	12.5		12	11.3		10.6			10.4			85
90	14.8	13.2	11.7	13.4	12.3		11.9	11.2		10.6	10.2		10.4	10		90
95	14.6	13	11.5	13.2	12.1	11.1	11.8	11.1		10.5	10.1		10.3	9.9		95
100	14.4	12.8	11.4	13.1	12	11	11.7	11		10.4	10.1		10.3	9.9		100
105	14.2	12.6	11.3	13	11.9	10.9	11.6	10.9	10.3	10.4	10		10.2	9.8		105
110	14	12.4	11.2	12.8	11.7	10.8	11.5	10.8	10.3	10.3	9.9	9.6	10.1	9.8	9.5	110
115	13.8	12.3	11.1	12.7	11.6	10.7	11.4	10.7	10.2	10.2	9.8	9.5	10	9.7	9.4	115
120	13.6	12.1	11	12.5	11.5	10.6	11.2	10.6	10.1	10.1	9.6	9.4	10	9.5	9.3	120
125	13.4	12	11	12.4	11.4	10.6	11.1	10.5	10.1	10	9.4	9.2	9.9	9.4	9.1	125
130	13.2	11.8	10.9	12.2	11.2	10.5	10.9	10.4	10	9.8	9.2	8.9	9.7	9.1	8.9	130
135	13	11.7	10.8	12.1	11.1	10.5	10.8	10.2	9.9	9.5	9	8.7	9.4	8.9	8.7	135
140	12.8	11.5	10.8	11.9	11	10.5	10.6	10	9.7	9.2	8.7	8.5	9.2	8.7	8.5	140
145	12.6	11.4	10.7	11.8	10.9	10.4	10.4	9.8	9.5	9	8.5	8.3	8.9	8.5	8.3	145
150	12.4	11.3	10.7	11.6	10.8	10.4	10.2	9.5	9.3	8.7	8.3	8.1	8.7	8.3	8.1	150
155	12.2	11.2	10.7	11.5	10.7	10.4	10	9.3	9.1	8.5	8.1	7.9	8.4	8.1	7.9	155
160	12.1	11.1	10.6	11.3	10.6	10.3	9.7	9.1	8.9	8.2	7.9	7.8	8.2	7.9	7.8	160
165	11.9	11	10.6	11.1	10.5	10.3	9.5	8.9	8.8	8	7.7	7.6	7.9	7.7	7.6	165
170	11.8	10.9	10.6	10.8	10.4	10.3	9.2	8.7	8.6	7.7	7.6	7.5	7.7	7.5	7.5	170
175	11.6	10.9	10.6	10.5	10.2	10.3	8.9	8.5	8.4	7.4	7.4	7.3	7.4	7.4	7.3	175
180	11.4	10.8	10.6	10.2	10	10.2	8.7	8.3	8.2	7.2	7.2	7.2	7.2	7.2	7.2	180
185	11.1	10.7	10.6	9.9	9.8	10	8.5	8.1	8.1	7	7	7	6.9	7	7	185
190	10.8	10.7	10.6	9.6	9.6	9.8	8.2	8	7.9	6.8	6.8	6.9	6.7	6.8	6.9	190
195	10.6	10.6	10.6	9.3	9.3	9.6	7.9	7.8	7.8	6.6	6.7	6.8	6.5	6.6	6.7	195
200	10.3	10.5	10.6	9.1	9.1	9.3	7.7	7.6	7.6	6.4	6.5	6.6	6.3	6.4	6.6	200
205	9.9	10.2	10.5	8.8	8.8	9	7.5	7.5	7.5	6.2	6.3	6.4	6.2	6.2	6.4	205
210	9.5	9.8	10.2	8.5	8.5	8.7	7.3	7.3	7.4	6	6.1	6.2	6	6	6.2	210
215	9.1	9.5	9.9	8.2	8.3	8.5	7.1	7.1	7.2	5.8	5.9	6	5.8	5.9	6	215
220	8.6	9.1	9.4	7.9	8	8.2	6.9	6.9	7.1	5.6	5.7	5.9	5.6	5.7	5.8	220
225	7.9	8.7	8.9	7.6	7.7	8	6.7	6.8	6.9	5.5	5.5	5.7	5.3	5.5	5.7	225
230	7.3	8.1	8.4	7.3	7.5	7.7	6.5	6.6	6.8	5.3	5.4	5.5	5	5.3	5.5	230
235	7	7.5	7.5	6.9	7.2	7.4	6.3	6.4	6.6	5.1	5.2	5.4	4.7	5.2	5.3	235
240	6.8	7	6.1	6.5	6.9	7.1	6.1	6.3	6.4	5	5	5.2	4.5	5	5.1	240
245	6.6	6.7	5	6.1	6.6	6.8	5.9	6.1	6.2	4.8	4.9	5	4.2	4.7	4.8	245
250	6.4	6.5		5.7	6.2	6.3	5.7	5.9	6.1	4.6	4.7	4.9	3.9	4.4	4.5	250
255	5.7	6.2		5.5	5.7	5.7	5.4	5.7	5.9	4.4	4.6	4.7	3.6	4.1	4.2	255
260	4.9	5.4		5.4	5.4		4.9	5.4	5.6	4.2	4.4	4.5	3.3	3.7	3.9	260
265		3.4		5.2	5.3		4.4	5.1	5.3	4	4.2	4.4	3	3.4	3.5	265
270				4.7	5.1		3.9	4.5	4.6	3.7	4	4.1	2.7	3.1	3.2	270
275				2.8	4.5		3.3	3.9		3.3	3.8	3.9	2.4	2.8	2.9	275
280							2.8	3.4		2.5	3.4	3.5		2.5	2.5	280
285								2.8			2.9	2.9				285

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Lifting heights

Hauteurs de levage

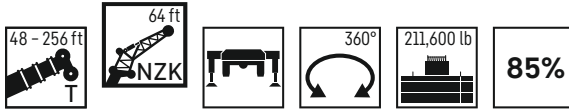
TNZK



Lifting capacities

Forces de levage

TNZK



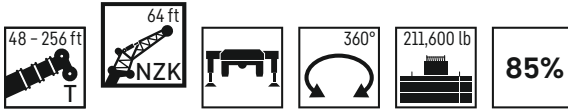
	48 ft			144 ft			160 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	NZK 64 ft			0°	20°	40°	0°	20°	40°	
12	31.4															12
13	31.4															13
14	31.4															14
15	31.4															15
16	31.2															16
17	31															17
18	30.7															18
19	30.5															19
20	30.2															20
22	29.6															22
24	29															24
26	28.4															26
28	27.7			31.4												28
30	27.1			31.4			27									30
32	26.4	22.9		31.4			27									32
34	25.8	22.3		31.3			27			24.9						34
36	25.2	21.6		31.1			27			24.9						36
38	24.6	21		30.9			27			24.9			22.1			38
40	24	20.4		30.6			27			25			22.1			40
45	22.6	19.1		29.8			27			25			22.1			45
50	21.2	17.9	15.1	29	22.7		26.9			25			22.2			50
55	19.7	16.9	14.3	28.1	21.8		26.7	22.3		24.7			22.1			55
60	18.2	16	13.7	27.3	21		26.1	21.7		24.3	20.9		21.9			60
65	16.9	15.2	13.1	26.4	20.3	15.4	25.5	21.2		23.9	20.4		21.6	19.3		65
70	15.6	14.5	12.6	25.6	19.6	15	25	20.6	15.9	23.4	19.9		21.3	18.9		70
75	14.5	13.8	12.2	24.8	18.9	14.6	24.3	20.1	15.7	23	19.5	15.5	21	18.6		75
80	13.6	13.2	11.9	24	18.3	14.3	23.7	19.6	15.4	22.5	19.1	15.2	20.7	18.2	14.9	80
85	12.7	12.7	11.7	23.2	17.8	14	23.1	19.1	15.1	22.1	18.7	14.9	20.4	17.9	14.6	85
90	11.9	12.2	11.6	22.4	17.2	13.7	22.5	18.6	14.8	21.6	18.2	14.7	20	17.5	14.4	90
95	11.3	11.8	11.6	21.7	16.7	13.4	21.9	18.1	14.5	21.1	17.8	14.4	19.7	17.2	14.2	95
100	10.7	11.6	5.1	20.9	16.2	13.1	21.4	17.6	14.3	20.7	17.4	14.2	19.4	16.8	14	100
105	10.3			20.1	15.8	12.9	20.8	17.1	14.1	20.2	17	14	19.1	16.5	13.8	105
110				19.3	15.4	12.7	20.3	16.7	13.9	19.8	16.6	13.8	18.8	16.2	13.6	110
115				18.5	15	12.5	19.8	16.3	13.7	19.4	16.2	13.6	18.4	15.9	13.4	115
120				17.7	14.7	12.3	19.3	15.9	13.5	18.9	15.9	13.4	18.1	15.5	13.2	120
125				17	14.3	12.1	18.8	15.6	13.3	18.5	15.6	13.3	17.8	15.2	13.1	125
130				16.3	14	12	18.3	15.3	13.2	18.1	15.2	13.1	17.5	15	13	130
135				15.6	13.7	11.9	17.8	14.9	13	17.7	15	13	17.2	14.7	12.8	135
140				15	13.4	11.8	17.3	14.6	12.9	17.3	14.7	12.9	16.8	14.4	12.8	140
145				14.5	13.1	11.7	16.9	14.3	12.8	16.9	14.4	12.8	16.5	14.2	12.7	145
150				14	12.9	11.7	16.4	14	12.8	16.5	14.1	12.7	16.2	14	12.6	150
155				13.5	12.6	11.6	15.9	13.8	12.7	16.1	13.9	12.7	15.8	13.7	12.5	155
160				13	12.3	11.6	15.4	13.5	12.6	15.7	13.6	12.6	15.5	13.5	12.5	160
165				12.5	12.1	11.6	14.9	13.3	12.6	15.3	13.3	12.6	15.1	13.3	12.4	165
170				12.1	12	11.6	14.4	13	12.6	14.9	13.1	12.5	14.7	13.1	12.4	170
175				11.8	11.8	8.6	13.9	12.8	12.6	14.5	12.9	12.5	14.2	12.9	12.3	175
180				11.4	11.7	6.3	13.5	12.6	12.6	14.1	12.7	12.5	13.8	12.7	12.3	180
185				11.1	11.6		13.1	12.5	10.6	13.7	12.5	12.4	13.3	12.5	12.3	185
190				10.8	11.6		12.7	12.3	7.6	13.3	12.4	12.4	12.7	12.2	12.3	190
195				10.5	11.1		12.3	12.3	5.8	12.8	12.3	11.8	12.2	12	12.3	195
200							12	12.2		12.4	12.2	9.1	11.3	11.8	12	200
205							11.5	12.2		11.9	11.9	7	10.5	11.4	11.6	205
210							8.2	10.9		11.2	11.5	5.5	9.7	10.6	10.6	210
215								3.8		10.5	11		9.4	9.7	8.2	215
220										9.3	10.2		9	9.2	6.5	220
225										6.3	8.4		8.7	8.8	5.2	225
230											3.4		8.3	8.5		230
235													7.4	8.1		235
240													5.4	6.8		240
245													4.1	5.4		245

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Lifting capacities

Forces de levage

TNZK



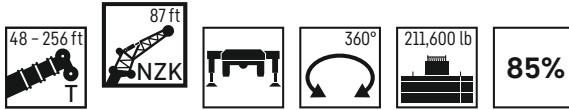
	208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
45	19.2															45
50	19.2			16.4												50
55	19.3			16.4			13.8									55
60	19.2			16.4			13.9			11.9			11.6			60
65	19.1			16.4			13.9			11.9			11.6			65
70	18.9	17.5		16.4			13.9			12			11.7			70
75	18.7	17.2		16.3	15.5		13.9			12			11.7			75
80	18.5	17		16.2	15.4		13.8			11.8			11.6			80
85	18.3	16.7	14.2	16	15.2		13.7	13.2		11.7			11.5			85
90	18.1	16.5	14	15.9	15.1		13.6	13.2		11.6	11.2		11.4	10.9		90
95	17.9	16.2	13.8	15.7	14.9	13.1	13.5	13.1		11.5	11.2		11.3	10.9		95
100	17.7	15.9	13.6	15.6	14.8	13	13.3	12.9	12.1	11.4	11.1		11.2	10.8		100
105	17.4	15.7	13.4	15.4	14.6	12.9	13.2	12.6	12	11.2	10.9	10.5	11.1	10.7	10.4	105
110	17.2	15.4	13.2	15.2	14.4	12.7	13	12.2	11.7	11.1	10.6	10.2	10.9	10.5	10.2	110
115	17	15.2	13.1	15	14.2	12.6	12.8	11.9	11.4	10.9	10.3	10	10.7	10.2	9.9	115
120	16.8	14.9	13	14.8	14	12.5	12.5	11.6	11.2	10.7	10.1	9.7	10.6	10	9.7	120
125	16.6	14.7	12.8	14.6	13.8	12.4	12.2	11.3	10.9	10.5	9.8	9.5	10.4	9.7	9.4	125
130	16.3	14.4	12.7	14.3	13.6	12.3	11.8	11	10.6	10.2	9.6	9.3	10.1	9.5	9.2	130
135	16.1	14.2	12.6	14	13.4	12.2	11.5	10.7	10.4	9.9	9.3	9	9.8	9.2	9	135
140	15.9	14	12.5	13.7	13.2	12.2	11.2	10.5	10.1	9.6	9.1	8.8	9.5	9	8.8	140
145	15.6	13.8	12.4	13.2	12.9	12.1	10.9	10.2	9.9	9.3	8.9	8.6	9.2	8.8	8.6	145
150	15.2	13.6	12.4	12.8	12.6	12	10.6	9.9	9.7	9	8.6	8.4	8.9	8.6	8.4	150
155	14.8	13.4	12.3	12.4	12.2	11.9	10.4	9.7	9.5	8.7	8.4	8.2	8.6	8.4	8.2	155
160	14.3	13.1	12.2	12	11.8	11.7	10.1	9.5	9.2	8.4	8.2	8	8.3	8.2	8	160
165	13.9	12.9	12.2	11.6	11.5	11.5	9.8	9.2	9	8.1	8	7.8	8.1	7.9	7.8	165
170	13.4	12.7	12.1	11.2	11.1	11.2	9.5	9	8.9	7.8	7.8	7.7	7.8	7.7	7.7	170
175	13	12.5	12.1	10.9	10.8	10.9	9.2	8.8	8.7	7.5	7.5	7.5	7.5	7.5	7.5	175
180	12.5	12.2	12	10.5	10.5	10.6	9	8.6	8.5	7.2	7.3	7.3	7.2	7.3	7.3	180
185	12	11.9	11.9	10.1	10.1	10.3	8.7	8.4	8.3	7	7.1	7.2	7	7.1	7.1	185
190	11.4	11.6	11.7	9.8	9.8	10	8.4	8.2	8.2	6.8	6.9	7	6.8	6.9	7	190
195	10.9	11.3	11.6	9.5	9.5	9.7	8.1	8	8	6.6	6.7	6.8	6.6	6.7	6.8	195
200	10.4	10.9	11.1	9.2	9.2	9.4	7.8	7.9	7.9	6.4	6.5	6.6	6.4	6.5	6.6	200
205	10	10.4	10.7	8.9	8.9	9.1	7.6	7.6	7.7	6.2	6.3	6.4	6.2	6.3	6.4	205
210	9.5	9.9	10.2	8.6	8.6	8.8	7.4	7.4	7.5	6	6.1	6.2	6	6.1	6.2	210
215	8.9	9.5	9.7	8.3	8.3	8.6	7.2	7.2	7.3	5.8	5.9	6	5.8	5.9	6	215
220	8.3	9	9.2	7.9	8	8.3	7	7	7.1	5.7	5.7	5.9	5.5	5.7	5.9	220
225	7.6	8.4	8.6	7.6	7.7	8	6.7	6.8	6.9	5.5	5.5	5.7	5.2	5.5	5.7	225
230	7.3	7.7	7.5	7.2	7.4	7.7	6.5	6.6	6.8	5.3	5.4	5.5	4.9	5.3	5.5	230
235	7	7.1	6.1	6.8	7.1	7.3	6.3	6.4	6.6	5.2	5.2	5.3	4.6	5.1	5.3	235
240	6.8	6.9	5	6.3	6.8	7	6.1	6.3	6.4	5	5	5.2	4.3	4.8	5	240
245	6.6	6.6		5.9	6.3	6.5	5.8	6.1	6.2	4.8	4.9	5	4.1	4.5	4.7	245
250	6	6.4		5.7	5.8	5.8	5.6	5.9	6.1	4.6	4.7	4.9	3.8	4.2	4.4	250
255	5	5.6		5.5	5.6		5.1	5.6	5.8	4.4	4.6	4.7	3.5	3.8	4	255
260		3.6		5.4	5.4		4.6	5.3	5.4	4.1	4.4	4.5	3.2	3.5	3.7	260
265				4.9	5.3		4	4.7	4.8	3.8	4.1	4.3	2.9	3.2	3.3	265
270				3	4.6		3.5	4.1		3.3	3.9	4	2.6	2.9	3	270
275							3	3.5			3.5	3.6		2.6	2.6	275
280								2.9			2.5	2.6				280

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Lifting capacities

Forces de levage

TNZK

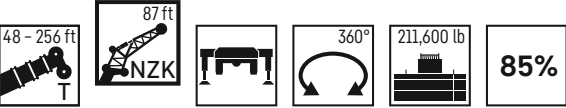


	48 ft			144 ft			160 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	19.4															14
15	19.4															15
16	19.4															16
17	19.4															17
18	19.4															18
19	19.5															19
20	19.4															20
22	19.3															22
24	19.1															24
26	18.9															26
28	18.5															28
30	18.2															30
32	17.8			19.4												32
34	17.5			19.4			18									34
36	17.1			19.5			18.1									36
38	16.8			19.5			18.1			16.5						38
40	16.4			19.4			18.1			16.6						40
45	15.6	13.5		19.2			18.1			16.6			14.9			45
50	14.8	12.7		18.8			17.8			16.5			15			50
55	14	11.9		18.3			17.5			16.4			14.9			55
60	13.1	11.2		17.8			17			16.1			14.7			60
65	12.4	10.6	8.9	17.2	13.4		16.6	13.1		15.7			14.5			65
70	11.6	10	8.5	16.7	12.9		16.2	12.7		15.4	12.4		14.3			70
75	10.9	9.5	8.1	16.2	12.4		15.8	12.3		15	12		14	11.6		75
80	10.3	9	7.8	15.7	12		15.3	11.9		14.7	11.7		13.7	11.3		80
85	9.7	8.5	7.5	15.2	11.5	8.7	14.9	11.5		14.3	11.3		13.4	11		85
90	9.1	8.2	7.3	14.8	11.1	8.5	14.5	11.1	8.5	14	11	8.4	13.2	10.7		90
95	8.6	7.8	7.1	14.3	10.8	8.3	14.1	10.8	8.3	13.6	10.7	8.2	12.9	10.4	8	95
100	8.2	7.5	6.9	13.8	10.5	8.1	13.7	10.5	8.1	13.3	10.4	8	12.6	10.1	7.9	100
105	7.8	7.3	6.8	13.3	10.1	8	13.3	10.2	7.9	13	10.1	7.9	12.3	9.8	7.8	105
110	7.3	7	6.8	12.9	9.8	7.8	12.9	9.9	7.8	12.6	9.8	7.7	12.1	9.6	7.6	110
115	7	6.9	6.8	12.4	9.5	7.6	12.5	9.6	7.6	12.3	9.6	7.6	11.8	9.3	7.5	115
120	6.7	6.8	6.8	12	9.3	7.5	12.1	9.3	7.5	12	9.3	7.5	11.5	9.1	7.4	120
125	6.5	6.8		11.5	9	7.4	11.7	9.1	7.4	11.6	9	7.3	11.3	8.9	7.3	125
130				11.1	8.8	7.3	11.4	8.8	7.3	11.3	8.8	7.2	11	8.7	7.2	130
135				10.7	8.5	7.2	11	8.6	7.2	11	8.6	7.1	10.7	8.5	7.1	135
140				10.3	8.3	7.1	10.6	8.4	7.1	10.7	8.4	7	10.4	8.3	7	140
145				10	8.1	7	10.2	8.2	7	10.4	8.2	7	10.2	8.2	6.9	145
150				9.6	7.9	6.9	9.9	8	6.9	10.1	8.1	6.9	9.9	8	6.8	150
155				9.3	7.8	6.9	9.6	7.9	6.9	9.8	7.9	6.8	9.7	7.8	6.8	155
160				9	7.6	6.8	9.3	7.7	6.8	9.5	7.7	6.8	9.4	7.7	6.7	160
165				8.8	7.4	6.8	9	7.6	6.8	9.2	7.6	6.7	9.2	7.5	6.7	165
170				8.5	7.3	6.8	8.8	7.4	6.8	9	7.4	6.7	8.9	7.4	6.6	170
175				8.2	7.2	6.8	8.5	7.3	6.7	8.7	7.3	6.7	8.7	7.3	6.6	175
180				7.9	7.1	6.8	8.3	7.2	6.7	8.5	7.2	6.6	8.5	7.2	6.6	180
185				7.7	7	6.8	8.1	7.1	6.7	8.2	7.1	6.6	8.3	7.1	6.6	185
190				7.5	6.9	6.8	7.9	7	6.7	8	7	6.6	8.1	7	6.5	190
195				7.2	6.9	6.8	7.6	6.9	6.7	7.9	6.9	6.6	7.9	6.9	6.5	195
200				7	6.8	6.8	7.4	6.8	6.7	7.7	6.9	6.6	7.7	6.8	6.5	200
205				6.9	6.8	5.4	7.3	6.8	6.7	7.5	6.8	6.6	7.6	6.8	6.5	205
210				6.7	6.8		7.1	6.8	6.7	7.4	6.7	6.6	7.5	6.7	6.5	210
215				6.6	6.8		6.9	6.8	6.5	7.2	6.7	6.6	7.3	6.7	6.5	215
220				6.1	6.8		6.8	6.8	5.1	7.1	6.7	6.6	7.2	6.6	6.5	220
225							6.6	6.8		6.9	6.7	6.6	7.1	6.6	6.5	225
230							6.5	6.8		6.8	6.6	6.2	6.9	6.6	6.5	230
235							4.4	6.6		6.6	6.6		6.8	6.6	6.5	235
240										6.6	6.6		6.7	6.6	6.5	240
245										5.7	6.6		6.6	6.6	5.9	245
250										2.8	5.1		6.5	6.5		250
255													6.2	6.4		255
260													4.4	6.2		260
265													3.9	4		265

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Lifting capacities
Forces de levage

TNZK



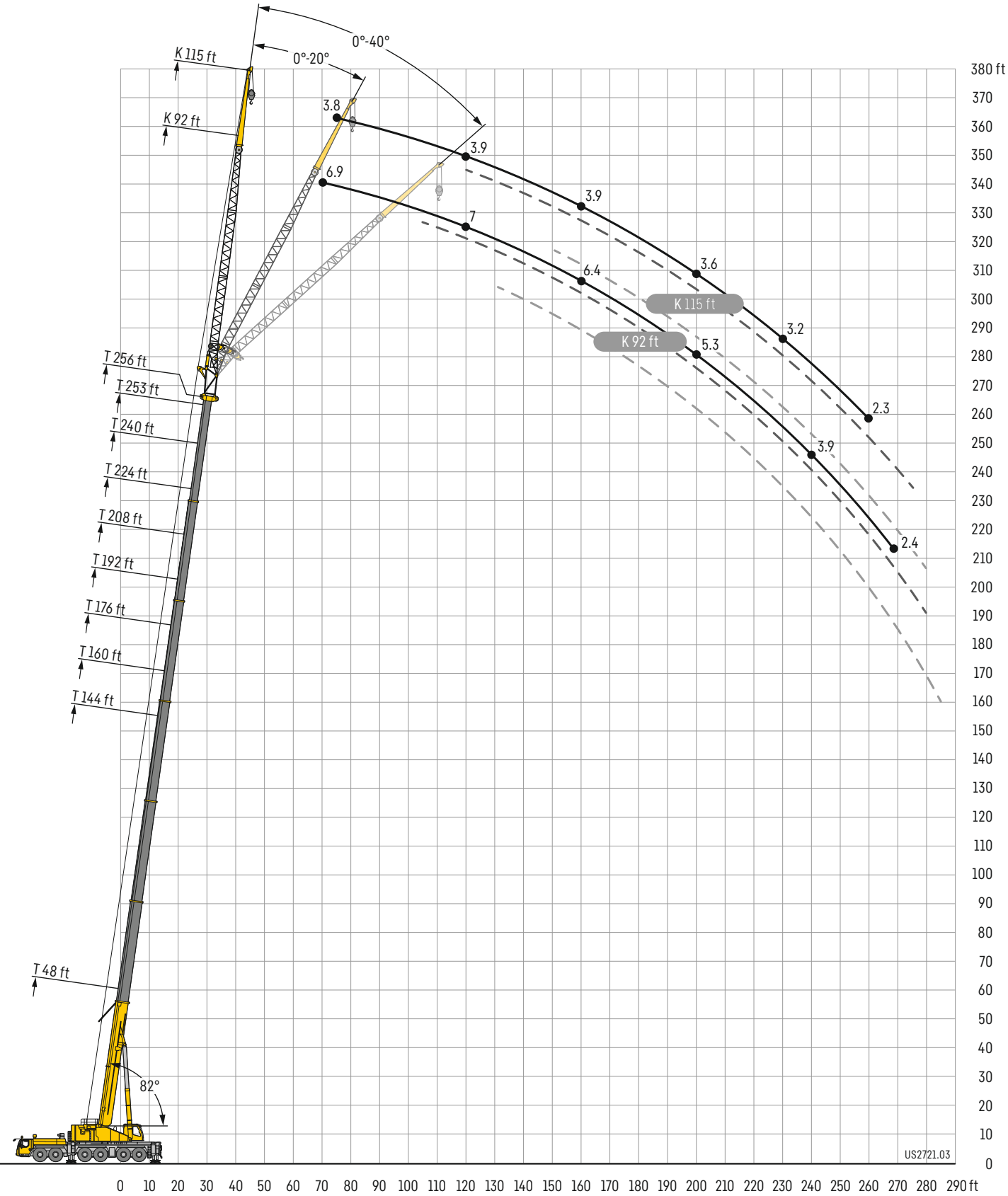
	208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	NZK 87 ft			0°	20°	40°	0°	20°	40°	
50	13.1															50
55	13.1			11.2												55
60	13.1			11.3			9.4									60
65	13			11.3			9.5			7.8			7.5			65
70	12.9			11.2			9.5			8.1			7.8			70
75	12.7			11.1			9.5			8.2			7.9			75
80	12.5	10.6		11			9.5			8.2			7.9			80
85	12.3	10.4		10.9			9.4			8.1			7.9			85
90	12.1	10.1		10.8	9.4		9.3			8			7.8			90
95	11.9	9.9		10.6	9.2		9.2	8.4		7.9			7.7			95
100	11.7	9.7		10.5	9		9.1	8.3		7.8	7.4		7.7			100
105	11.4	9.4	7.6	10.3	8.8		9	8.1		7.8	7.3		7.6	7.3		105
110	11.2	9.2	7.4	10.2	8.7	7.1	8.9	8		7.7	7.3		7.6	7.3		110
115	11	9	7.3	10	8.5	7.1	8.8	7.9	6.7	7.7	7.3		7.5	7.2		115
120	10.8	8.8	7.2	9.9	8.4	7	8.7	7.7	6.7	7.6	7.2		7.5	7.1		120
125	10.6	8.6	7.1	9.7	8.2	6.9	8.6	7.6	6.7	7.6	7.1	6.4	7.5	7	6.4	125
130	10.4	8.5	7	9.6	8	6.8	8.5	7.5	6.6	7.6	7	6.4	7.4	6.9	6.3	130
135	10.2	8.3	7	9.4	7.9	6.8	8.4	7.4	6.5	7.5	6.9	6.3	7.4	6.9	6.3	135
140	10	8.1	6.9	9.3	7.8	6.7	8.3	7.3	6.5	7.4	6.8	6.3	7.2	6.8	6.2	140
145	9.8	8	6.8	9.1	7.6	6.7	8.2	7.2	6.4	7.2	6.8	6.2	7.1	6.7	6.2	145
150	9.5	7.8	6.7	9	7.5	6.6	8.1	7.1	6.4	7.1	6.7	6.2	7	6.6	6.2	150
155	9.3	7.7	6.7	8.8	7.4	6.5	8	7	6.4	6.9	6.6	6.1	6.9	6.5	6.1	155
160	9.1	7.5	6.6	8.6	7.3	6.5	7.8	6.9	6.3	6.8	6.4	6.1	6.7	6.4	6.1	160
165	8.9	7.4	6.6	8.5	7.2	6.5	7.6	6.8	6.3	6.7	6.3	6	6.6	6.3	6	165
170	8.7	7.3	6.5	8.3	7.1	6.4	7.4	6.7	6.2	6.5	6.2	6	6.4	6.1	5.9	170
175	8.5	7.2	6.5	8.1	7	6.4	7.3	6.7	6.2	6.3	6	5.9	6.3	6	5.9	175
180	8.3	7.1	6.5	8	6.9	6.4	7.1	6.6	6.2	6.1	5.9	5.8	6.1	5.9	5.8	180
185	8.1	7	6.4	7.8	6.8	6.3	6.9	6.5	6.2	6	5.7	5.7	5.9	5.7	5.7	185
190	8	6.9	6.4	7.7	6.7	6.3	6.8	6.4	6.2	5.8	5.6	5.6	5.7	5.6	5.5	190
195	7.8	6.8	6.4	7.5	6.7	6.3	6.6	6.3	6.1	5.6	5.5	5.5	5.5	5.5	5.4	195
200	7.7	6.7	6.4	7.4	6.6	6.3	6.5	6.2	6.1	5.4	5.4	5.4	5.3	5.4	5.3	200
205	7.5	6.7	6.4	7.2	6.5	6.3	6.3	6	6	5.2	5.3	5.3	5.2	5.3	5.2	205
210	7.4	6.6	6.4	7.1	6.5	6.3	6.2	5.9	5.9	5	5.1	5.2	5	5.1	5.2	210
215	7.2	6.6	6.4	6.9	6.5	6.3	6.1	5.8	5.8	4.8	5	5.1	4.8	5	5.1	215
220	7.1	6.5	6.4	6.8	6.4	6.3	5.9	5.7	5.7	4.6	4.8	5	4.6	4.8	4.9	220
225	6.9	6.5	6.4	6.6	6.4	6.3	5.8	5.6	5.6	4.5	4.7	4.8	4.5	4.7	4.8	225
230	6.8	6.5	6.4	6.5	6.3	6.3	5.6	5.5	5.6	4.3	4.5	4.7	4.3	4.5	4.7	230
235	6.7	6.4	6.4	6.3	6.2	6.3	5.4	5.4	5.5	4.1	4.3	4.6	4.1	4.3	4.6	235
240	6.4	6.4	6.4	6	6.1	6.3	5.3	5.3	5.4	3.9	4.2	4.4	3.8	4.1	4.4	240
245	6	6.3	6.4	5.8	6	6.2	5.1	5.2	5.3	3.8	4	4.3	3.6	4	4.3	245
250	5.6	6.1	6.4	5.5	5.8	6.1	4.9	5	5.2	3.6	3.9	4.1	3.3	3.8	4.1	250
255	5.4	5.8	6	5.1	5.6	5.8	4.7	4.9	5.1	3.5	3.7	3.9	3	3.6	3.9	255
260	5.2	5.4	5.5	4.6	5.4	5.5	4.5	4.8	4.9	3.3	3.6	3.8	2.8	3.3	3.7	260
265	5.1	5.2		4.4	5	5.2	4.2	4.6	4.8	3.1	3.4	3.6		3.1	3.3	265
270	4.9	5		4.2	4.4	4.6	3.9	4.5	4.6		3.2	3.4		2.8	3	270
275	3.7	4.8		4.1	4.2	4.4	3.4	4.2	4.4		3	3.2		2.5	2.7	275
280		3.6		4	4.1		2.8	3.8	4		2.8	3			2.3	280
285				3.8	3.9			3.3	3.4			2.6				285
290				2.3	3.8			2.4	2.5							290

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Lifting heights

Hauteurs de levage

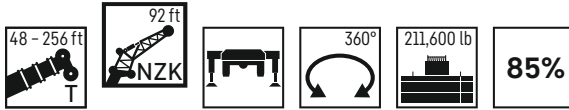
TNZK



Lifting capacities

Forces de levage

TNZK



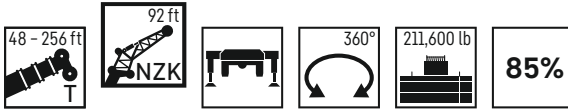
	48 ft			144 ft			160 ft			176 ft			192 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
15	15.9															15
16	15.9															16
17	15.9															17
18	15.9															18
19	15.9															19
20	16															20
22	15.9															22
24	15.9															24
26	15.8															26
28	15.6															28
30	15.4															30
32	15.2			15.4												32
34	15			15.8												34
36	14.8			15.9			14.9									36
38	14.5			16			15.1									38
40	14.3			15.9			15.2			14.1						40
45	13.7			15.9			15.2			14.2			12.9			45
50	13.1	11.6		15.7			15			14.2			13			50
55	12.5	10.9		15.4			14.8			14			13			55
60	11.9	10.3		15.1			14.6			13.8			12.9			60
65	11.2	9.7		14.8	12		14.3			13.6			12.7			65
70	10.6	9.2	7.8	14.4	11.6		14	11.5		13.3			12.5			70
75	10.1	8.8	7.5	14.1	11.2		13.7	11.1		13.1	10.9		12.3			75
80	9.5	8.3	7.2	13.7	10.8		13.4	10.7		12.8	10.5		12.1	10.2		80
85	9	8	7	13.4	10.5		13.1	10.4		12.6	10.2		11.9	9.9		85
90	8.5	7.6	6.8	13	10.1	7.8	12.8	10.1	7.8	12.3	9.9		11.6	9.7		90
95	8.1	7.3	6.7	12.6	9.8	7.6	12.5	9.8	7.6	12.1	9.7	7.5	11.4	9.4		95
100	7.7	7	6.5	12.3	9.5	7.5	12.2	9.5	7.4	11.8	9.4	7.4	11.2	9.2	7.2	100
105	7.3	6.8	6.4	11.9	9.2	7.3	11.9	9.3	7.3	11.5	9.1	7.2	11	8.9	7.1	105
110	7	6.6	6.3	11.5	9	7.2	11.5	9	7.2	11.3	8.9	7.1	10.8	8.7	7	110
115	6.7	6.5	6.3	11.2	8.7	7.1	11.2	8.8	7.1	11	8.7	7	10.6	8.5	6.9	115
120	6.5	6.4	6.3	10.8	8.5	7	10.9	8.5	6.9	10.7	8.5	6.9	10.4	8.3	6.8	120
125	6.2	6.3	6.3	10.5	8.2	6.9	10.6	8.3	6.8	10.4	8.3	6.8	10.1	8.1	6.7	125
130	6	6.3		10.1	8	6.8	10.3	8.1	6.7	10.2	8.1	6.7	9.9	8	6.6	130
135				9.8	7.8	6.7	9.9	7.9	6.7	9.9	7.9	6.6	9.7	7.8	6.6	135
140				9.4	7.6	6.6	9.7	7.7	6.6	9.7	7.7	6.6	9.4	7.6	6.5	140
145				9.1	7.4	6.5	9.3	7.5	6.5	9.4	7.5	6.5	9.2	7.5	6.4	145
150				8.8	7.3	6.5	9.1	7.4	6.4	9.1	7.4	6.4	9	7.3	6.4	150
155				8.5	7.2	6.4	8.8	7.2	6.4	8.9	7.3	6.4	8.8	7.2	6.3	155
160				8.3	7	6.4	8.6	7.1	6.3	8.6	7.1	6.3	8.6	7	6.3	160
165				8	6.9	6.3	8.3	7	6.3	8.4	7	6.2	8.4	6.9	6.2	165
170				7.8	6.8	6.3	8.1	6.9	6.3	8.2	6.9	6.2	8.2	6.8	6.1	170
175				7.6	6.7	6.3	7.8	6.7	6.2	8	6.8	6.2	7.9	6.7	6.1	175
180				7.4	6.6	6.3	7.6	6.7	6.2	7.8	6.7	6.1	7.8	6.6	6.1	180
185				7.2	6.5	6.3	7.5	6.6	6.2	7.6	6.6	6.1	7.6	6.6	6.1	185
190				7	6.4	6.3	7.3	6.5	6.2	7.4	6.5	6.1	7.4	6.5	6	190
195				6.8	6.4	6.3	7.1	6.4	6.2	7.2	6.4	6.1	7.3	6.4	6	195
200				6.7	6.3	6.3	7	6.4	6.2	7.1	6.4	6.1	7.1	6.4	6	200
205				6.5	6.3	6.3	6.8	6.3	6.2	7	6.3	6.1	7	6.3	6	205
210				6.4	6.3	5.4	6.7	6.3	6.2	6.8	6.3	6.1	6.9	6.2	6	210
215				6.2	6.3		6.6	6.2	6.2	6.7	6.2	6.1	6.8	6.2	6	215
220				6.1	6.3		6.4	6.2	6.2	6.6	6.2	6.1	6.7	6.1	6	220
225				5.7	6.3		6.3	6.2	5.1	6.5	6.2	6.1	6.6	6.1	6	225
230							6.2	6.2		6.4	6.2	6.1	6.5	6.1	6	230
235							6.1	6.2		6.3	6.2	6	6.4	6.1	6	235
240							4.1	6.2		6.2	6.2		6.3	6.1	6	240
245										6.1	6.2		6.2	6.1	6	245
250										5.4	6.2		6.1	6.1	5.7	250
255										2.6	4.9		6	6		255
260													5.9	6		260
265													4.1	6		265
270													3.8	3.9		270

t_240_002_56501_00_000

Lifting capacities

Forces de levage

TNZK



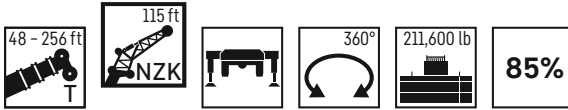
	208 ft			224 ft			240 ft			253 ft			256 ft			
	0°	20°	40°	0°	20°	40°	NZK 92 ft			0°	20°	40°	0°	20°	40°	
50	11.5															50
55	11.5			9.9												55
60	11.5			10.1			8.2									60
65	11.5			10.2			8.5			6.9						65
70	11.4			10.1			8.7			7.2			6.9			70
75	11.2			10			8.7			7.4			7.2			75
80	11.1			9.9			8.6			7.5			7.3			80
85	10.9	9.4		9.8			8.5			7.5			7.4			85
90	10.7	9.2		9.7	8.5		8.4			7.5			7.3			90
95	10.6	9		9.6	8.4		8.4			7.4			7.3			95
100	10.4	8.8		9.4	8.2		8.3	7.5		7.4			7.3			100
105	10.3	8.6		9.3	8.1		8.2	7.4		7.3	6.9		7.2	6.8		105
110	10.1	8.4	6.9	9.2	7.9		8.1	7.3		7.3	6.8		7.2	6.8		110
115	9.9	8.2	6.8	9.1	7.7	6.6	8	7.2		7.2	6.8		7.1	6.7		115
120	9.7	8	6.7	8.9	7.6	6.5	7.9	7.1	6.2	7.2	6.7		7	6.6		120
125	9.6	7.9	6.6	8.8	7.5	6.4	7.8	7	6.2	7.1	6.6		7	6.5		125
130	9.4	7.7	6.5	8.7	7.3	6.3	7.7	6.9	6.1	7	6.5	5.9	6.9	6.5	5.8	130
135	9.2	7.6	6.4	8.6	7.2	6.3	7.7	6.8	6.1	7	6.4	5.9	6.9	6.4	5.8	135
140	9	7.4	6.4	8.4	7.1	6.2	7.6	6.7	6	6.9	6.4	5.8	6.8	6.3	5.8	140
145	8.8	7.3	6.3	8.3	7	6.2	7.5	6.6	6	6.8	6.3	5.8	6.7	6.2	5.8	145
150	8.7	7.1	6.3	8.1	6.9	6.1	7.4	6.6	5.9	6.7	6.2	5.7	6.6	6.2	5.7	150
155	8.5	7	6.2	8	6.8	6.1	7.3	6.5	5.9	6.6	6.2	5.7	6.5	6.1	5.7	155
160	8.3	6.9	6.2	7.9	6.7	6	7.2	6.4	5.9	6.5	6.1	5.7	6.4	6.1	5.7	160
165	8.1	6.8	6.1	7.7	6.6	6	7.1	6.3	5.8	6.4	6	5.7	6.4	6	5.6	165
170	7.9	6.7	6.1	7.6	6.5	5.9	7	6.3	5.8	6.3	5.9	5.6	6.2	5.9	5.6	170
175	7.8	6.7	6	7.4	6.4	5.9	6.9	6.2	5.8	6.2	5.8	5.6	6.1	5.8	5.6	175
180	7.6	6.6	6	7.3	6.4	5.9	6.8	6.1	5.7	6	5.7	5.6	6	5.7	5.6	180
185	7.4	6.5	6	7.2	6.3	5.9	6.7	6.1	5.7	5.8	5.6	5.5	5.8	5.6	5.5	185
190	7.3	6.4	5.9	7.1	6.2	5.8	6.6	6	5.7	5.7	5.5	5.4	5.6	5.5	5.4	190
195	7.1	6.3	5.9	7	6.2	5.8	6.5	6	5.7	5.5	5.4	5.3	5.5	5.4	5.3	195
200	7	6.3	5.9	6.8	6.1	5.8	6.3	5.9	5.7	5.3	5.3	5.3	5.3	5.3	5.2	200
205	6.9	6.2	5.9	6.7	6.1	5.8	6.2	5.8	5.7	5.1	5.2	5.2	5.1	5.1	5.2	205
210	6.8	6.2	5.9	6.6	6	5.8	6.1	5.7	5.7	5	5	5.1	4.9	5	5.1	210
215	6.7	6.1	5.9	6.5	6	5.8	5.9	5.6	5.6	4.8	4.9	5	4.8	4.9	5	215
220	6.6	6	5.9	6.5	5.9	5.8	5.8	5.5	5.6	4.6	4.8	4.9	4.6	4.7	4.9	220
225	6.5	6	5.9	6.4	5.9	5.8	5.7	5.5	5.5	4.5	4.6	4.8	4.4	4.6	4.8	225
230	6.4	6	5.9	6.3	5.9	5.8	5.5	5.4	5.4	4.3	4.5	4.7	4.3	4.5	4.7	230
235	6.4	6	5.9	6.2	5.8	5.8	5.4	5.3	5.4	4.1	4.3	4.6	4.1	4.3	4.6	235
240	6.3	5.9	5.9	6	5.8	5.8	5.2	5.2	5.3	4	4.2	4.5	3.9	4.1	4.4	240
245	6.1	5.9	5.9	5.8	5.7	5.8	5.1	5.1	5.2	3.8	4	4.3	3.7	4	4.3	245
250	5.8	5.9	5.9	5.6	5.7	5.8	4.9	5	5.1	3.7	3.9	4.1	3.4	3.8	4.1	250
255	5.4	5.8	5.9	5.3	5.6	5.8	4.7	4.9	5	3.5	3.7	4	3.2	3.6	4	255
260	5.3	5.6	5.8	4.9	5.5	5.7	4.5	4.7	4.9	3.3	3.6	3.8	2.9	3.4	3.8	260
265	5.1	5.2	5.3	4.4	5.2	5.4	4.3	4.6	4.8	3.2	3.4	3.6	2.6	3.2	3.5	265
270	4.9	5.1		4.2	4.8	5	4.1	4.5	4.6	3	3.3	3.5	2.4	3	3.2	270
275	4.7	4.9		4.1	4.2	4.4	3.7	4.3	4.4	2.7	3.1	3.3		2.7	2.9	275
280	3.6	4.7		3.9	4.1	4.2	3.2	4.1	4.2		2.9	3.1		2.4	2.5	280
285		3.5		3.8	4		2.8	3.7	3.8		2.8	3			2.2	285
290				3.6	3.8		2.1	3.1	3.3			2.7				290
295					3.6			2.6	2.7							295

t.240_002_56501_00_000

Lifting capacities

Forces de levage

TNZK



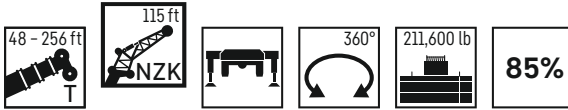
	48 ft			144 ft			160 ft			176 ft			1115 ft			
	0°	20°	40°	0°	20°	40°	NZK 115 ft			0°	20°	40°	0°	20°	40°	
19	9.1															19
20	9.1															20
22	9.2															22
24	10.1															24
26	10.8															26
28	11.2															28
30	11.1															30
32	10.9															32
34	10.8															34
36	10.6				9.3											36
38	10.5				9.7											38
40	10.3				10			9.1								40
45	9.9				10.7			9.8			8.7					45
50	9.5				11			10.3			9.2			7.8		50
55	9				10.9			10.4			9.6			8.3		55
60	8.6	7.4			10.7			10.2			9.7			8.7		60
65	8.2	7			10.4			10			9.5			8.8		65
70	7.7	6.6			10.2			9.8			9.4			8.7		70
75	7.2	6.3			9.9			9.6			9.2			8.6		75
80	6.8	6			9.7	7.3		9.4	7.2		9			8.4		80
85	6.5	5.7			9.4	7.1		9.2	7		8.8	6.9		8.2		85
90	6.1	5.5	4.8		9.1	6.9		8.9	6.8		8.6	6.7		8.1	6.4	90
95	5.8	5.2	4.6	8.8	6.6			8.7	6.6		8.4	6.5		7.9	6.3	95
100	5.6	5	4.5	8.6	6.4			8.4	6.4		8.2	6.3		7.7	6.2	100
105	5.3	4.8	4.3	8.3	6.2	4.6		8.2	6.2		7.9	6.1		7.5	6	105
110	5.1	4.6	4.2	8	6.1	4.5		7.9	6	4.5	7.7	6		7.4	5.8	110
115	4.9	4.4	4.1	7.7	5.9	4.5		7.7	5.9	4.5	7.5	5.8	4.4	7.2	5.7	115
120	4.7	4.3	3.9	7.4	5.7	4.4		7.4	5.7	4.4	7.3	5.7	4.3	7	5.6	120
125	4.5	4.1	3.9	7.1	5.6	4.4		7.2	5.6	4.3	7.1	5.5	4.3	6.8	5.4	125
130	4.3	4	3.8	6.9	5.4	4.3		6.9	5.4	4.3	6.9	5.4	4.2	6.7	5.3	130
135	4.2	3.9	3.8	6.6	5.3	4.2		6.7	5.3	4.2	6.7	5.3	4.2	6.5	5.2	135
140	4	3.8	3.8	6.4	5.1	4.2		6.5	5.2	4.2	6.5	5.1	4.2	6.3	5.1	140
145	3.9	3.8	3.8	6.2	5	4.2		6.3	5	4.2	6.3	5	4.1	6.2	5	145
150	3.8	3.8		6	4.9	4.1		6.1	4.9	4.1	6.1	4.9	4.1	6	4.8	150
155	3.7	3.8		5.8	4.8	4.1		5.9	4.8	4	6	4.8	4	5.9	4.7	155
160				5.7	4.6	4		5.8	4.7	4	5.8	4.7	4	5.7	4.6	160
165				5.5	4.6	3.9		5.6	4.6	3.9	5.7	4.6	3.9	5.6	4.6	165
170				5.3	4.5	3.9		5.5	4.5	3.9	5.5	4.5	3.9	5.5	4.5	170
175				5.2	4.4	3.9		5.3	4.4	3.8	5.3	4.4	3.8	5.3	4.4	175
180				5	4.3	3.8		5.2	4.3	3.8	5.2	4.3	3.8	5.2	4.3	180
185				4.9	4.2	3.8		5	4.2	3.8	5.1	4.3	3.7	5.1	4.2	185
190				4.8	4.1	3.8		4.9	4.2	3.8	5	4.2	3.7	4.9	4.2	190
195				4.7	4	3.8		4.8	4.1	3.7	4.9	4.1	3.7	4.8	4.1	195
200				4.5	4	3.8		4.7	4	3.7	4.7	4	3.7	4.7	4	200
205				4.4	3.9	3.8		4.6	4	3.7	4.6	4	3.6	4.6	4	205
210				4.3	3.9	3.8		4.4	3.9	3.7	4.5	3.9	3.6	4.5	3.9	210
215				4.2	3.8	3.8		4.3	3.9	3.7	4.4	3.9	3.6	4.4	3.8	215
220				4.1	3.8	3.8		4.2	3.8	3.7	4.3	3.8	3.6	4.3	3.8	220
225				4	3.8	3.8		4.2	3.8	3.7	4.3	3.8	3.6	4.2	3.8	225
230				4	3.8	3.8		4.1	3.7	3.7	4.2	3.7	3.6	4.2	3.7	230
235				3.9	3.8			4	3.7	3.7	4.1	3.7	3.6	4.1	3.7	235
240				3.8	3.8			3.9	3.7	3.7	4	3.7	3.6	4	3.6	240
245				3.8	3.8			3.9	3.7		3.9	3.7	3.6	4	3.6	245
250								3.8	3.7		3.9	3.6	3.6	3.9	3.6	250
255								3.7	3.7		3.8	3.6	3.6	3.8	3.6	255
260								3.7	3.7		3.7	3.6		3.8	3.6	260
265											3.7	3.6		3.7	3.6	265
270											3.7	3.6		3.7	3.6	270
275											2.5	3.6		3.6	3.6	275
280														3.6	3.6	280
285														3.3	3.6	285
290														2.4	3.4	290
295															2.5	295

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Lifting capacities

Forces de levage

TNZK



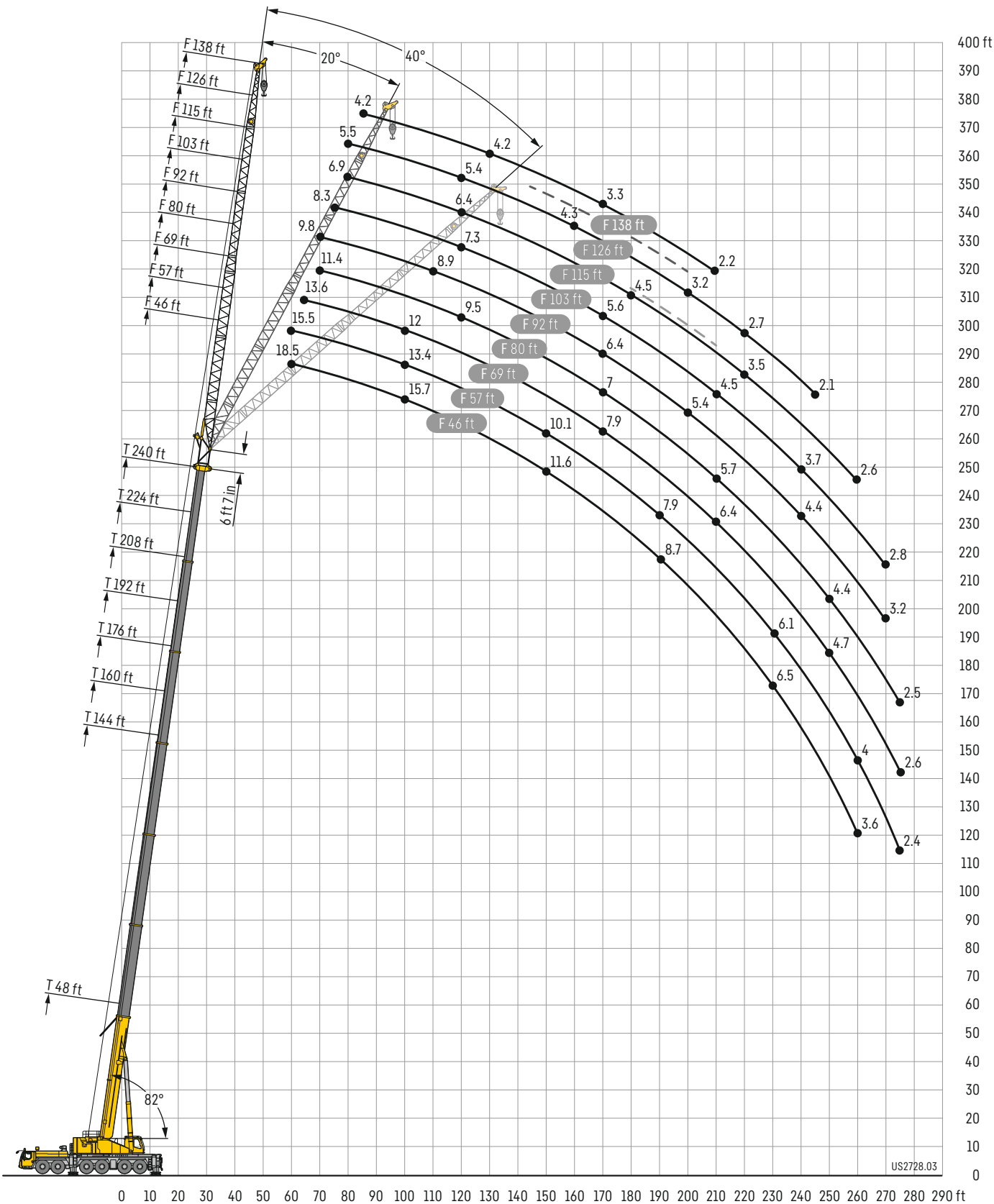
	208 ft			224 ft			240 ft			253 ft			256 ft			
	NZK 115 ft															
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
55	6.7															55
60	7.1			5.6												60
65	7.5			5.9			4.6									65
70	7.6			6.3			4.8									70
75	7.7			6.5			5.1			4			3.8			75
80	7.6			6.6			5.3			4			3.8			80
85	7.5			6.6			5.4			4.1			3.8			85
90	7.3			6.6			5.5			4.2			3.8			90
95	7.2			6.6			5.6			4.3			3.8			95
100	7.1	5.9		6.5			5.6			4.3			3.9			100
105	7	5.8		6.4	5.4		5.6			4.3			3.9			105
110	6.8	5.6		6.3	5.3		5.6			4.3			3.9			110
115	6.7	5.5		6.2	5.2		5.5	4.7		4.3			3.9			115
120	6.6	5.4		6.1	5.1		5.5	4.7		4.4	4.2		3.9	4.1		120
125	6.5	5.3	4.1	6	5		5.4	4.7		4.4	4.2		3.9	4.1		125
130	6.3	5.1	4	5.9	4.9		5.3	4.6		4.4	4.2		3.9	4.1		130
135	6.2	5	4	5.8	4.8	3.8	5.3	4.5		4.4	4.2		3.9	4.1		135
140	6.1	4.9	4	5.6	4.7	3.8	5.2	4.4	3.6	4.4	4.1		3.9	4		140
145	5.9	4.8	3.9	5.5	4.6	3.8	5.1	4.4	3.6	4.3	4.1		3.9	4		145
150	5.8	4.7	3.9	5.4	4.5	3.8	5	4.3	3.6	4.3	4	3.4	3.9	4	3.3	150
155	5.7	4.6	3.9	5.3	4.4	3.7	4.9	4.2	3.6	4.2	4	3.4	3.9	4	3.3	155
160	5.5	4.5	3.8	5.2	4.4	3.7	4.8	4.1	3.5	4.2	3.9	3.4	3.9	3.9	3.3	160
165	5.4	4.4	3.8	5.1	4.3	3.7	4.8	4.1	3.5	4.2	3.9	3.3	3.9	3.9	3.3	165
170	5.3	4.4	3.8	5	4.2	3.6	4.7	4	3.5	4.1	3.8	3.3	3.8	3.8	3.3	170
175	5.2	4.3	3.7	4.9	4.2	3.6	4.6	4	3.5	4.1	3.8	3.3	3.8	3.8	3.3	175
180	5	4.2	3.7	4.8	4.1	3.6	4.5	3.9	3.5	4	3.7	3.3	3.7	3.7	3.3	180
185	4.9	4.1	3.6	4.7	4	3.6	4.5	3.8	3.4	4	3.7	3.3	3.7	3.7	3.3	185
190	4.8	4.1	3.6	4.7	3.9	3.5	4.4	3.8	3.4	3.9	3.6	3.3	3.7	3.6	3.3	190
195	4.7	4	3.6	4.6	3.9	3.5	4.3	3.7	3.4	3.9	3.6	3.3	3.6	3.6	3.3	195
200	4.6	4	3.5	4.5	3.9	3.5	4.2	3.7	3.4	3.8	3.5	3.3	3.6	3.5	3.3	200
205	4.5	3.9	3.5	4.4	3.8	3.5	4.2	3.6	3.4	3.7	3.5	3.3	3.6	3.5	3.2	205
210	4.4	3.8	3.5	4.3	3.8	3.4	4.1	3.6	3.4	3.7	3.5	3.3	3.5	3.4	3.2	210
215	4.4	3.8	3.5	4.3	3.7	3.4	4	3.6	3.3	3.6	3.4	3.2	3.5	3.4	3.2	215
220	4.3	3.7	3.5	4.2	3.7	3.4	4	3.5	3.3	3.5	3.4	3.2	3.5	3.4	3.2	220
225	4.2	3.7	3.5	4.1	3.6	3.4	3.9	3.5	3.3	3.4	3.3	3.2	3.3	3.4	3.2	225
230	4.1	3.7	3.5	4	3.6	3.4	3.9	3.5	3.3	3.2	3.3	3.2	3.2	3.3	3.2	230
235	4.1	3.6	3.5	4	3.5	3.4	3.8	3.4	3.3	3.1	3.2	3.2	3.1	3.2	3.2	235
240	4	3.6	3.5	3.9	3.5	3.4	3.8	3.4	3.3	2.9	3.1	3.2	2.9	3.1	3.2	240
245	3.9	3.6	3.5	3.9	3.5	3.4	3.7	3.4	3.3	2.8	3	3.2	2.8	3	3.2	245
250	3.9	3.5	3.5	3.8	3.4	3.4	3.6	3.4	3.3	2.6	2.9	3.1	2.6	2.9	3.1	250
255	3.8	3.5	3.5	3.7	3.4	3.4	3.5	3.3	3.3	2.5	2.8	3.1	2.5	2.8	3	255
260	3.8	3.5	3.5	3.7	3.4	3.4	3.5	3.3	3.3	2.3	2.7	3	2.3	2.6	3	260
265	3.7	3.5	3.5	3.6	3.4	3.4	3.4	3.3	3.3	2.2	2.5	2.8		2.5	2.8	265
270	3.7	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3		2.4	2.7		2.4	2.7	270
275	3.6	3.5	3.5	3.4	3.4	3.4	3.2	3.2	3.3		2.2	2.5		2.2	2.5	275
280	3.5	3.5	3.5	3.2	3.3	3.4	3	3.1	3.3			2.4			2.4	280
285	3.5	3.5		2.9	3.3	3.4		3.1	3.3			2.2				285
290	3.5	3.5		2.8	3.2	3.4		3	3.3							290
295	3.3	3.5		2.6	2.8	3.2		2.8	3.1							295
300	2.2	3.4		2.5	2.7				2.7							300
305		2.6			2.6											305
310					2.4											310

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Lifting heights

Hauteurs de levage

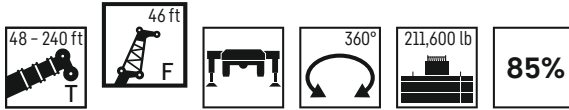
TF



Lifting capacities

Forces de levage

TF 46 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	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	53.6																								12
13	53.6																								13
14	53.1																								14
15	52.4																								15
16	51.8																								16
17	51																								17
18	49.9																								18
19	48.8																								19
20	47.7																								20
22	45.8																								22
24	43.9																								24
26	42.2																								26
28	40.5	36.1																							28
30	38.8	35.5		53.6																					30
32	37.3	34.1		52.9																					32
34	35.8	32.8		52.2																					34
36	34.3	31.6		51.6			47.7																		36
38	32.9	30.5		50.6			47.2																		38
40	31.7	29.4	27	49.5			46.6			41.5															40
45	28.8	27.1	26.7	46.8			44.8			40.8			35.1												45
50	26.5	24.9	24.8	44.3	34.9		42.7			39.7			34.7			29.3									50
55	24.4	23.2	23.2	42.1	33.2		40.8	32.9		38.4			34.3			29.1			23.4						55
60	22.6	21.6	21.7	39.9	31.7	27	39.1	31.4		37.1	30.5		33.7			28.9			23.1			18.5			60
65	21	20.2	20.4	38	30.4	26.8	37.4	30.2	26.7	35.7	29.4		33	27.9		28.5			22.9			18.3			65
70	19.7	19	19.4	36	29	26	35.7	29	25.9	34.3	28.3	25.3	31.9	27		28	24.9		22.6			18			70
75	18.4	17.9	18.4	34.1	27.9	25.2	34.2	27.9	25	33	27.3	24.6	30.9	26.2	23.6	27.2	24.3		22.3	20.9		17.7			75
80	17.4	17	17.6	32.4	26.8	24.4	32.7	26.9	24.3	31.8	26.4	23.9	29.9	25.4	23	26.4	23.7		21.8	20.4		17.4	15.7		80
85	16.5	16.3	17.1	30.9	25.7	23.6	31.2	25.9	23.6	30.6	25.5	23.2	28.9	24.6	22.4	25.5	23.1	21.2	21.2	19.9		17	15.3		85
90	15.8	15.8		29.5	24.8	22.9	29.8	25	22.9	29.4	24.7	22.6	28	23.9	21.9	24.7	22.5	20.8	20.5	19.3	18.9	16.6	14.9		90
95				28.1	23.9	22.3	28.7	24.2	22.3	28.2	24	22.1	27.1	23.2	21.4	23.9	22	20.4	19.9	18.7	18.4	16.1	14.5	13.9	95
100				27	23	21.7	27.5	23.4	21.8	27.2	23.2	21.5	26.3	22.6	20.9	23.1	21.5	20	19.2	18.2	17.8	15.7	14.1	13.5	100
105				25.9	22.3	21.1	26.4	22.6	21.2	26.3	22.5	21	25.4	22	20.5	22.3	20.9	19.6	18.6	17.7	17.3	15.2	13.7	13.1	105
110				24.8	21.6	20.5	25.4	21.9	20.7	25.4	21.9	20.6	24.6	21.4	20.1	21.5	20.3	19.2	18	17.2	16.8	14.8	13.3	12.8	110
115				23.8	20.9	20	24.5	21.3	20.2	24.5	21.3	20.1	23.9	20.9	19.7	20.8	19.7	18.9	17.4	16.6	16.4	14.3	12.9	12.5	115
120				22.9	20.3	19.6	23.6	20.7	19.8	23.7	20.7	19.7	23.2	20.4	19.3	20.1	19	18.5	16.9	16.1	15.9	13.9	12.6	12.2	120
125				22.1	19.7	19.2	22.8	20.1	19.4	23	20.2	19.3	22.5	19.9	19	19.4	18.4	18.1	16.3	15.6	15.5	13.5	12.3	11.9	125
130				21.2	19.1	18.8	22	19.6	19	22.3	19.7	19	21.8	19.4	18.6	18.7	17.8	17.7	15.7	15.1	15.1	13.1	12	11.6	130
135				20.5	18.6	18.4	21.3	19.1	18.6	21.6	19.2	18.6	21	19	18.3	18.1	17.2	17.2	15.2	14.6	14.6	12.8	11.3	11.3	135
140				19.9	18.1	18.1	20.6	18.6	18.3	20.9	18.8	18.3	20.1	18.6	18	17.4	16.7	16.7	14.6	14.1	14.2	12.4	11.3	11.1	140
145				19.2	17.7	17.8	20	18.2	18	20.3	18.4	18	19.2	18.2	17.7	16.8	16.2	16.2	14.1	13.6	13.7	12	11	10.8	145
150				18.6	17.3	17.5	19.4	17.8	17.7	19.8	18	17.7	18.3	17.9	17.5	16.2	15.7	15.7	13.6	13.2	13.3	11.6	10.8	10.6	150
155				18	16.9	17.3	18.9	17.4	17.5	19.2	17.6	17.5	17.5	17.3	17.3	15.6	15.2	15.2	13.2	12.8	12.9	11.2	10.5	10.3	155
160				17.5	16.6	17.1	18.4	17	17.2	18.6	17.2	17.2	16.7	16.8	17	14.9	14.7	14.7	12.7	12.4	12.5	10.8	10.2	10.1	160
165				17	16.3	17.1	17.8	16.7	17.1	17.9	16.9	17	15.9	16.3	16.7	14.3	14.2	14.3	12.3	12	12.1	10.5	10	9.9	165
170				16.6	16		17.4	16.4	17	16.7	16.6	16.9	15.2	15.7	16.1	13.7	13.8	13.9	11.9	11.5	11.7	10.1	9.7	9.7	170
175				16.2	15.9		16.9	16.1	16.9	15.5	16.2	16.7	14.4	15	15.4	13.1	13.4	13.5	11.4	11.2	11.3	9.8	9.5	9.5	175
180				15.8	15.8		16.1	15.9	16.7	14.6	15.3	15.9	13.8	14.3	14.7	12.5	12.9	13	11	10.8	11	9.4	9.2	9.3	180
185				10.9	13.1		15	15.6		14	14.2	14.7	13	13.6	14	11.8	12.4	12.6	10.6	10.5	10.6	9.1	8.9	9.1	185
190							14.1	14.5		13.5	13.7	13.9	12.1	12.9	13.3	11.3	11.8	12.1	10.2	10.1	10.3	8.7	8.7	8.8	190
195							12.5	13.5		12.7	13.1	13.3	11.2	12	12.5	10.7	11.3	11.5	9.7	9.8	10	8.4	8.4	8.5	195
200							8	9.9		11.9	12.4		10.6	11	11.5	10.2	10.7	11	9.3	9.5	9.7	8.2	8.1	8.3	200
205										11	11.5		10.2	10.3	10.5	9.5	10.2	10.4	8.9	9.1	9.3	7.9	7.8	8	205
210										9.6	10.6		9.8	9.9		8.8	9.6	9.8	8.5	8.8	9	7.6	7.6	7.7	210
215										6.1	7.6		9.4	9.5		8.2	8.9	9.1	8	8.5	8.6	7.4	7.4	7.5	215
220													8.8	9.2		7.9	8.1	8.2	7.6	8.1	8.2	7.1	7.2	7.3	220
225													7.6	8.5		7.6	7.7		7.1	7.6	7.8	6.8	7	7.1	225
230													5.8	6.2		7.2	7.4		6.5	7.2	7.3	6.5	6.7	6.9	230
235																7	7.1		6.3	6.6	6.7	6.2	6.5	6.7	235
240																6.2	6.9		6.1	6.2		5.8	6.2	6.4	240
245																5.2	5.4		5.8	6		5.3	6	6.1	245
250																			5.6	5.8		4.7	5.5		250
255																			5.1	5.6		4.1	4.9		255
260																					4.2				260
265																							3.6		265
270																							3		270

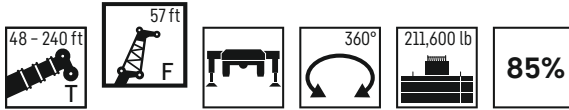
* adapter - pièce d'adaptateur

t_240_003_50101_00_000 / 52101_00_000 / 54101_00_000

Lifting capacities

Forces de levage

TF 57 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
13	45.8																								13
14	45.8																								14
15	45.8																								15
16	45.2																								16
17	44.6																								17
18	43.8																								18
19	43																								19
20	42.2																								20
22	40.6																								22
24	39																								24
26	37.5																								26
28	36.1																								28
30	34.8																								30
32	33.6																								32
34	32.3	27		45																					34
36	31.2	27		44.3																					36
38	30	27		43.4			40.4																		38
40	28.9	26.9		42.5			39.9																		40
45	26.3	25.4		40.3			38.5			35															45
50	24.1	23.4	21.6	38.2			36.8			34.2			29.9			24.4									50
55	22.3	21.7	20.5	36.3	27		35.2			33.1			29.4			24.3			19.6						55
60	20.6	20.2	19.4	34.6	27		33.7	27		31.9			28.9			24.1			19.5			15.5			60
65	19.1	18.8	18.3	32.9	26.7		32.3	26.5		30.8	25.7		28.3			23.9			19.4			15.4			65
70	17.8	17.6	17.2	31.3	25.7	21.4	30.9	25.5		29.7	24.7		27.6	23.3		23.7			19.3			15.3			70
75	16.7	16.6	16.3	29.8	24.7	20.8	29.7	24.5	20.6	28.6	23.9		26.8	22.6		23.5	20.9		19			15.1			75
80	15.7	15.7	15.5	28.3	23.7	20.2	28.4	23.6	20.1	27.6	23	19.8	25.9	22		23.2	20.3		18.8	14.5		14.8			80
85	14.7	14.9	14.8	26.9	22.8	19.7	27.2	22.7	19.6	26.5	22.3	19.4	25.1	21.3	18.8	22.7	19.8		18.4	17.9		14.6			85
90	14	14.1	14.2	25.7	21.9	19.2	25.9	21.9	19.2	25.5	21.5	18.9	24.2	20.7	18.4	22	19.3	17.4	18.1	17.4		14.2	13.1		90
95	13.3	13.5	13.8	24.5	21.1	18.6	24.8	21.2	18.7	24.6	20.9	18.4	23.5	20.1	17.9	21.4	18.8	17.1	17.6	16.9	12.4	13.8	12.8		95
100	12.7	13	4.5	23.4	20.3	18.1	23.8	20.5	18.2	23.6	20.2	18	22.7	19.5	17.5	20.7	18.4	16.7	17.1	16.5	15.7	13.4	12.4		100
105	12.4			22.4	19.6	17.6	22.9	19.8	17.7	22.8	19.6	17.5	22	19	17.1	20.1	17.9	16.4	16.6	16	15.4	13.1	12	11.5	105
110				21.5	19	17.2	22	19.2	17.3	22	19	17.1	21.3	18.5	16.8	19.4	17.5	16.1	16.1	15.5	15.1	12.7	11.7	11.2	110
115				20.7	18.3	16.7	21.2	18.6	16.9	21.2	18.5	16.8	20.6	18	16.4	18.8	17.1	15.8	15.6	15.1	14.8	12.3	11.4	10.9	115
120				19.8	17.7	16.3	20.4	18	16.5	20.5	18	16.4	20	17.6	16.1	18.1	16.7	15.5	15.1	14.6	14.4	12	11.1	10.6	120
125				19	17.2	15.9	19.7	17.5	16.1	19.8	17.5	16.1	19.4	17.1	15.8	17.5	16.4	15.2	14.6	14.2	14	11.7	10.7	10.3	125
130				18.4	16.7	15.6	19	17	15.8	19.2	17.1	15.7	18.8	16.7	15.5	16.9	16	15	14.1	13.8	13.6	11.3	10.5	10.1	130
135				17.7	16.2	15.2	18.3	16.5	15.4	18.6	16.6	15.4	18.3	16.3	15.2	16.4	15.6	14.7	13.7	13.4	13.2	11	10.2	9.8	135
140				17	15.8	15	17.7	16.1	15.1	18	16.2	15.1	17.7	15.9	14.9	15.8	15.2	14.5	13.2	13	12.9	10.7	9.9	9.6	140
145				16.5	15.4	14.7	17.2	15.7	14.9	17.4	15.8	14.9	17.3	15.6	14.7	15.3	14.8	14.3	12.7	12.6	12.6	10.4	9.6	9.4	145
150				16	15	14.4	16.6	15.3	14.6	16.8	15.4	14.6	16.8	15.3	14.4	14.8	14.4	14.1	12.3	12.2	12.2	10.1	9.4	9.1	150
155				15.4	14.6	14.2	16.1	15	14.4	16.4	15.1	14.4	16.3	14.9	14.2	14.3	14	13.9	11.9	11.8	11.9	9.8	9.1	8.9	155
160				14.9	14.2	14	15.6	14.6	14.2	16	14.8	14.2	15.9	14.6	14.1	13.9	13.6	13.6	11.5	11.4	11.5	9.5	8.9	8.7	160
165				14.5	13.9	13.9	15.2	14.3	14	15.5	14.5	14	15.3	14.4	13.9	13.4	13.1	13.2	11.1	11	11.2	9.3	8.7	8.5	165
170				14.1	13.6	13.8	14.8	14	13.8	15.1	14.2	13.8	14.7	14.1	13.7	12.9	12.7	12.8	10.7	10.7	10.8	9	8.5	8.3	170
175				13.7	13.4	13.7	14.4	13.7	13.7	14.7	13.9	13.7	14	13.8	13.5	12.5	12.3	12.4	10.4	10.3	10.5	8.7	8.3	8.2	175
180				13.3	13.1		14	13.5	13.6	14.3	13.7	13.6	13.4	13.5	13.4	12	12	12.1	10	10	10.1	8.5	8.1	8	180
185				13	13		13.6	13.2	13.6	13.8	13.4	13.5	12.7	13	13.3	11.5	11.6	11.7	9.7	9.6	9.8	8.2	7.9	7.8	185
190				12.7	12.9		13.3	13.1	13.5	12.8	13.2	13.4	12.1	12.6	13.2	11	11.2	11.4	9.3	9.3	9.5	7.9	7.7	7.7	190
195				10.9	12.8		13	12.9		12.3	12.9	13.2	11.5	12.1	12.6	10.5	10.8	11	9	9	9.2	7.6	7.5	7.5	195
200							12.6	12.7		11.8	12	12.3	10.6	11.6	11.9	10	10.4	10.7	8.7	8.7	8.9	7.4	7.3	7.4	200
205							11.6	12.4		11.3	11.6	11.8	9.8	10.9	11.3	9.5	9.9	10.2	8.4	8.4	8.6	7.1	7.1	7.2	205
210							7.9	10.3		10.6	11.1		9.2	10.1	10.4	9	9.5	9.8	8.1	8.1	8.3	6.9	7	7.1	210
215										9.8	10.5		8.8	9.3	9.5	8.5	9	9.2	7.8	7.9	8.1	6.7	6.8	6.9	215
220										8.8	9.7		8.4	8.7	8.8	7.8	8.5	8.7	7.4	7.6	7.8	6.5	6.6	6.8	220
225										5.9	7.8					7.2	7.9	8.1	7.1	7.3	7.5	6.3	6.4	6.5	225
230													7.7	8		6.8	7.2	7.4	6.8	7	7.2	6.1	6.2	6.4	230
235													7	7.6		6.6	6.7		6.4	6.7	6.9	5.8	6	6.2	235
240													5	6.2		6.3	6.5		5.8	6.4	6.5	5.6	5.8	6	240
245													3.9			6.1	6.2		5.4	5.9	6	5.3	5.6	5.8	245
250																5.7	6		5.2	5.3		5.1	5.3	5.5	250
255																4.6	5.1		5.1	5.2		4.6	5.1	5.2	255
260																	2.7		4.9	5		4	4.7	4.8	260
265																			4.6	4.8		3.4	4		265
270																			2.6	4		2.9	3.4		270
275																						2.4	2.8		275
280																							2.2		280

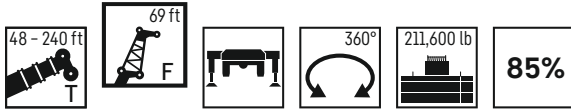
* adaptateur - pièce d'adaptateur

t_240_003_50201_00_000 / 52201_00_000 / 54201_00_000

Lifting capacities

Forces de levage

TF 69 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	F 69 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°	
16	38.6																								16
17	38.6																								17
18	38.3																								18
19	37.8																								19
20	37.3																								20
22	36.1																								22
24	34.8																								24
26	33.6																								26
28	32.4																								28
30	31.3																								30
32	30.3																								32
34	29.3																								34
36	28.3			38.1																					36
38	27.3			37.6																					38
40	26.4	23.8		36.9			34.5																		40
45	24.2	22.8		35.2			33.4			30.3															45
50	22.2	21.4		33.4			32.1			29.6			25.4												50
55	20.5	19.9		31.8			30.7			28.8			25.1			21.3									55
60	18.9	18.5	17	30.3	23.7		29.4			27.8			24.8			21.1			17.5						60
65	17.6	17.3	16.1	28.9	23		28.2	22.6		26.8			24.4			20.9			17.2			13.6			65
70	16.3	16.1	15.3	27.5	22.2		27.1	22		25.9	21.4		24			20.7			17			13.4			70
75	15.3	15.2	14.6	26.3	21.4		26	21.2		25	20.7		23.5	19.5		20.4			16.7			13.1			75
80	14.3	14.3	13.9	25	20.6	16.9	24.9	20.5		24.1	20		22.9	19		20.1			16.5			12.9			80
85	13.4	13.5	13.3	23.8	19.8	16.4	23.9	19.8	16.3	23.2	19.3		22.2	18.5		19.7	17.1		16.3			12.8			85
90	12.7	12.7	12.6	22.7	19	15.9	22.9	19	15.9	22.4	18.7	15.7	21.5	17.9		19.3	16.8		16.1	15.1		12.6			90
95	12	12.1	12.1	21.7	18.3	15.5	21.9	18.4	15.5	21.6	18.1	15.4	20.8	17.4	15	18.9	16.3		15.9	14.8		12.3	11.3		95
100	11.4	11.5	11.6	20.7	17.7	15.2	20.9	17.8	15.2	20.8	17.5	15	20.2	16.9	14.7	18.4	15.9	14.2	15.5	14.6		12	11		100
105	10.8	11	11.2	19.7	17	14.8	20.1	17.2	14.9	20	17	14.8	19.5	16.4	14.4	18	15.5	13.9	15.1	14.2		11.7	10.7		105
110	10.4	10.6	10.4	18.9	16.4	14.5	19.3	16.6	14.5	19.2	16.5	14.5	18.9	16	14.2	17.5	15.1	13.7	14.7	13.9	12.9	11.3	10.3		110
115	10.1	10.5		18.2	15.9	14.2	18.6	16.1	14.2	18.6	16	14.2	18.3	15.5	13.9	17	14.8	13.4	14.4	13.6	12.6	11	10	9.6	115
120				17.5	15.4	13.9	17.9	15.6	13.9	18	15.5	13.9	17.7	15.1	13.6	16.6	14.4	13.1	13.9	13.3	12.4	10.7	9.8	9.3	120
125				16.7	14.9	13.5	17.2	15.1	13.6	17.4	15.1	13.6	17.2	14.7	13.4	16.1	14.1	12.8	13.5	12.9	12.2	10.3	9.5	9	125
130				16	14.4	13.2	16.6	14.7	13.3	16.8	14.7	13.3	16.7	14.3	13.1	15.6	13.8	12.6	13.1	12.6	12	10	9.2	8.8	130
135				15.5	14	12.9	16	14.3	13	16.2	14.3	13	16.2	14	12.8	15.1	13.4	12.4	12.6	12.2	11.8	9.8	8.9	8.6	135
140				14.9	13.6	12.6	15.4	13.8	12.8	15.8	13.9	12.8	15.7	13.7	12.6	14.7	13.1	12.2	12.2	11.9	11.6	9.5	8.7	8.4	140
145				14.4	13.2	12.4	14.9	13.4	12.5	15.3	13.5	12.5	15.3	13.3	12.4	14.2	12.9	12	11.8	11.5	11.3	9.2	8.5	8.2	145
150				13.9	12.8	12.1	14.4	13.1	12.3	14.8	13.2	12.3	14.9	13	12.1	13.7	12.6	11.8	11.4	11.2	11	8.9	8.2	7.9	150
155				13.4	12.5	11.9	14	12.8	12.1	14.4	12.9	12.1	14.5	12.7	11.9	13.2	12.4	11.7	11	10.8	10.8	8.6	8	7.8	155
160				13	12.2	11.7	13.5	12.5	11.9	14	12.6	11.9	14.1	12.5	11.7	12.8	12.1	11.5	10.6	10.5	10.5	8.4	7.8	7.6	160
165				12.6	11.9	11.5	13.1	12.2	11.7	13.6	12.3	11.7	13.7	12.2	11.6	12.4	11.8	11.3	10.3	10.2	10.2	8.2	7.6	7.4	165
170				12.2	11.6	11.4	12.7	11.9	11.5	13.2	12	11.5	13.3	11.9	11.4	12	11.6	11.2	9.9	9.8	9.9	7.9	7.4	7.3	170
175				11.8	11.3	11.3	12.4	11.6	11.3	12.8	11.8	11.4	12.9	11.7	11.3	11.6	11.3	11.1	9.6	9.5	9.7	7.7	7.2	7.1	175
180				11.5	11.1	11.2	12	11.4	11.2	12.5	11.5	11.3	12.6	11.5	11.1	11.2	11	10.9	9.2	9.2	9.4	7.5	7.1	7	180
185				11.2	10.9	11.2	11.7	11.2	11.1	12.2	11.3	11.1	12.2	11.3	11	10.8	10.7	10.7	8.9	8.9	9.1	7.3	6.9	6.8	185
190				10.9	10.7	11.2	11.4	11	11.1	11.8	11.1	11	11.8	11.1	10.9	10.4	10.4	10.5	8.6	8.6	8.8	7.1	6.8	6.7	190
195				10.6	10.6		11.1	10.8	11	11.5	10.9	11	11.4	10.9	10.8	10	10.1	10.2	8.3	8.3	8.5	6.9	6.7	6.6	195
200				10.3	10.5		10.8	10.6	11	11.2	10.7	10.9	10.8	10.7	10.7	9.5	9.7	9.9	8	8	8.2	6.7	6.5	6.5	200
205				10.1	10.5		10.6	10.5		10.9	10.6	10.9	10.4	10.5	10.6	9.1	9.4	9.7	7.8	7.8	7.9	6.6	6.4	6.4	205
210							10.4	10.4		10.5	10.4	10.9	9.6	10.3	10.4	8.7	9	9.4	7.5	7.5	7.7	6.4	6.2	6.3	210
215							10.2	10.3		10.1	10.1	10.5	8.9	9.8	10.1	8.3	8.7	9.1	7.3	7.3	7.4	6.2	6.1	6.2	215
220							7.6	10.1		9.6	9.8		8.1	9.1	9.5	7.9	8.3	8.7	7	7.1	7.2	6	6	6.1	220
225							3.6			8.9	9.5		7.7	8.3	8.6	7.5	7.9	8.2	6.7	6.9	7	5.8	5.9	6	225
230										8.3	8.7		7.4	7.6	7.7	6.9	7.5	7.7	6.4	6.7	6.8	5.7	5.7	5.9	230
235										5.9	7.8		7.1	7.3		6.4	7.1	7.3	6.1	6.5	6.6	5.5	5.6	5.7	235
240										2.2	3.7		6.9	7		6	6.5	6.7	5.8	6.3	6.4	5.2	5.4	5.5	240
245													6.6	6.8		5.8	6	6.1	5.4	6	6.1	5	5.2	5.4	245
250													4.4	6.2		5.5	5.7		4.9	5.6	5.8	4.7	5.1	5.2	250
255													4.1	4.3		5.3	5.5		4.7	5.1	5.4	4.5	4.9	5	255
260																5.1	5.3		4.5	4.6		4.2	4.6	4.8	260
265																3.9	4.9		4.3	4.5		3.7	4.3	4.5	265
270																		3.3				3.1	3.9	4	270
275																						2.6			

* adapter - pièce d'adaptateur

t_240_003_50301_00_000 / 52301_00_000 / 54301_00_000

TF 80 ft

† 240 003 50401 00 000 / 52401 00 000 / 54401 00 000



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*					
	F 92 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°			
19	26.8																								19		
20	27																								20		
22	26.8																								22		
24	26.2																								24		
26	25.6																								26		
28	24.9																								28		
30	24.3																								30		
32	23.6																								32		
34	23																								34		
36	22.4																								36		
38	21.8																								38		
40	21.2				26.6																				40		
45	19.7				25.7			24.7																	45		
50	18.5				24.8			23.8			22.4														50		
55	17.3	14.8			23.8			22.9			21.7			19.3											55		
60	16.2	14			22.8			22.1			21			19.1			16.3								60		
65	15.3	13.3			21.9			21.4			20.4			18.7			16.1			13.1					65		
70	14.4	12.7			21			20.6			19.7			18.2			15.9			12.9			9.8		70		
75	13.5	12.1			20.1	14.7		19.9			19.1			17.7			15.6			12.7			9.7		75		
80	12.7	11.5	9.9		19.3	14.3		19.1	14.1		18.4			17.2			15.3			12.5			9.5		80		
85	11.8	11	9.5	18.6	13.8			18.4	13.7			17.8	13.5		16.7		15.1			12.4			9.4		85		
90	11.1	10.5	9.2	17.9	13.4			17.8	13.4			17.3	13.1		16.3	12.7	14.7			12.2			9.3		90		
95	10.5	10	8.9	17.1	13			17.1	13			16.7	12.8		15.8	12.4	14.4	11.7		12			9.2		95		
100	9.8	9.5	8.6	16.5	12.7	9.9		16.5	12.6	9.9		16.2	12.4		15.4	12.1	14.1	11.5		11.9			9.1		100		
105	9.3	9.1	8.4	15.9	12.3	9.7	15.9	12.3	9.7	15.7	12.1		14.9	11.8		13.8	11.3		11.8	10.5			9		105		
110	8.8	8.6	8.2	15.3	12	9.5	15.4	12	9.5	15.2	11.9	9.5	14.5	11.6		13.4	11.1		11.6	10.2			8.9		110		
115	8.3	8.2	8	14.8	11.7	9.3	14.9	11.7	9.3	14.7	11.6	9.3	14.2	11.3	9.2	13.1	10.8		11.4	10.1			8.7	7.9	115		
120	7.9	7.8	7.9	14.3	11.4	9.1	14.4	11.4	9.2	14.3	11.3	9.1	13.8	11.1	9	12.8	10.6	8.9	11.2	9.9			8.4	7.7	120		
125	7.5	7.5	7.6	13.7	11.1	9	13.9	11.1	9	13.8	11.1	9	13.4	10.8	8.9	12.5	10.5	8.7	11.1	9.7			8.2	7.5	125		
130	7.2	7.2	7.5	13.2	10.8	8.8	13.4	10.9	8.9	13.4	10.8	8.9	13	10.6	8.8	12.2	10.2	8.6	10.8	9.5	8.4			7.9	7.3	130	
135	7	7.1		12.7	10.5	8.7	13	10.6	8.7	12.9	10.6	8.7	12.6	10.4	8.6	11.9	10	8.5	10.5	9.3	8.3			7.7	7.1	6.8	135
140				12.2	10.2	8.5	12.5	10.4	8.6	12.5	10.4	8.6	12.2	10.2	8.5	11.6	9.8	8.4	10.3	9.2	8.2			7.5	6.9	6.6	140
145				11.7	10	8.4	12.1	10.1	8.5	12.1	10.1	8.5	11.9	10	8.4	11.3	9.6	8.3	10	9	8.1			7.3	6.7	6.5	145
150				11.3	9.7	8.3	11.7	9.9	8.4	11.7	9.9	8.4	11.5	9.8	8.3	11	9.4	8.2	9.7	8.8	8			7.1	6.5	6.3	150
155				10.9	9.4	8.2	11.2	9.6	8.3	11.4	9.7	8.3	11.1	9.6	8.2	10.7	9.2	8.2	9.4	8.7	8			6.9	6.4	6.1	155
160				10.5	9.2	8.2	10.9	9.3	8.2	11	9.4	8.2	10.8	9.3	8.1	10.4	9	8.1	9.1	8.5	7.9			6.7	6.2	6	160
165				10.1	8.9	8.1	10.5	9.1	8.1	10.7	9.2	8.1	10.5	9.1	8.1	10.1	8.8	8	8.8	8.3	7.8			6.5	6.1	5.9	165
170				9.7	8.7	8	10.2	8.9	8	10.3	9	8	10.3	8.9	8	9.9	8.6	7.9	8.5	8.1	7.7			6.4	5.9	5.7	170
175				9.4	8.4	8	9.8	8.6	8	10	8.7	8	10	8.7	8	9.6	8.4	7.8	8.2	7.9	7.6			6.2	5.8	5.6	175
180				9.1	8.2	7.9	9.5	8.4	7.9	9.7	8.5	7.9	9.7	8.5	7.9	9.4	8.2	7.8	7.9	7.7	7.5			6	5.6	5.5	180
185				8.8	8	7.8	9.2	8.2	7.8	9.4	8.3	7.9	9.4	8.3	7.8	9.1	8.1	7.7	7.6	7.5	7.4			5.9	5.5	5.4	185
190				8.5	7.8	7.7	8.9	8	7.7	9.2	8.1	7.7	9.1	8.1	7.7	8.9	7.9	7.6	7.3	7.4	7.3			5.7	5.4	5.2	190
195				8.3	7.6	7.6	8.7	7.8	7.6	8.9	8	7.6	8.9	7.9	7.6	8.6	7.8	7.5	7.1	7.2	7.2			5.6	5.3	5.1	195
200				8	7.5	7.5	8.4	7.7	7.6	8.6	7.8	7.6	8.7	7.8	7.5	8.4	7.6	7.4	6.9	7	7			5.4	5.1	5	200
205				7.8	7.3	7.5	8.2	7.5	7.5	8.4	7.6	7.5	8.5	7.6	7.4	8.1	7.5	7.3	6.7	6.8	6.9			5.3	5	4.9	205
210				7.5	7.2	7.5	7.9	7.4	7.5	8.2	7.5	7.4	8.3	7.5	7.3	7.8	7.4	7.3	6.5	6.6	6.7			5.2	4.9	4.9	210
215				7.4	7.1		7.7	7.3	7.4	8	7.3	7.4	8	7.4	7.3	7.6	7.3	7.2	6.3	6.4	6.5			5	4.8	4.8	215
220				7.2	7.1		7.5	7.2	7.4	7.8	7.2	7.4	7.8	7.3	7.3	7.3	7.2	7.2	6.1	6.2	6.3			4.9	4.7	4.7	220
225				7	7.1		7.3	7.1	7.4	7.6	7.1	7.3	7.6	7.2	7.2	7	7	7.1	5.9	6	6.2			4.8	4.6	4.6	225
230				6.3	7.1		7.2	7		7.4	7	7.3	7.3	7.1	7.2	6.7	6.9	7	5.7	5.8	6			4.7	4.5	4.5	230
235							7	7		7.2	7	7.3	6.9	7	7.2	6.4	6.7	7	5.5	5.6	5.8			4.5	4.4	4.4	235
240							6.8	7		7.1	6.9	7.3	6.4	6.9	7.2	6.1	6.5	6.8	5.3	5.4	5.6			4.4	4.3	4.4	240
245							4.3	6.5		6.9	6.9		6	6.7	7.1	5.7	6.3	6.5	5.1	5.2	5.5			4.2	4.2	4.3	245
250										6.7	6.9		5.8	6.3	6.5	5.2	6	6.3	4.8	5.1	5.3			4	4.1	4.2	250
255										5.3	6.7		5.6	5.8		4.7	5.7	5.9	4.5	4.9	5.1			3.9	4	4.2	255
260											4.9		5.4	5.6		4.5	5.2	5.5	4.2	4.7	4.9			3.7	3.9	4.1	260
265													5.1	5.3		4.3	4.6	4.9	3.7	4.5	4.7			3.5	3.7	4	265
270													3.7	5.1		4.1	4.3		3.3	4.2	4.4			3.2	3.6	3.9	270
275													2.8	3.4					3.9	4.1					3.5	3.7	275
280																			3.7	3.9	3				3.3	3.4	280
285																			2.5	3.7					2.7	3.1	285
290																				2.4	2.9					2.1	290
295																											295
300																											300

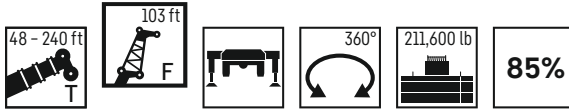
* adapter · pièce d'adaptateur

† 240 003 50501 00 000 / 52501 00 000 / 54501 00 000
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Lifting capacities

Forces de levage

TF 103 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	F 103 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°	
22	23.1																								22
24	22.9																								24
26	22.4																								26
28	21.8																								28
30	21.2																								30
32	20.7																								32
34	20.1																								34
36	19.6																								36
38	19.1																								38
40	18.6																								40
45	17.4			22.3			21.1																		45
50	16.3			21.3			20.5			19.2															50
55	15.3			20.5			19.7			18.6															55
60	14.3	12.2		19.7			19			18			16.7												60
65	13.3	11.5		18.9			18.4			17.5			16.3			14.1									65
70	12.6	10.9		18.2			17.7			16.9			15.8			13.9			11.2						70
75	11.9	10.3		17.4			17.1			16.4			15.3			13.6			11			8.3			75
80	11.2	9.8		16.7	12.1		16.5			15.9			14.9			13.4			10.8			8.1			80
85	10.6	9.3		16	11.6		15.9	11.6		15.4			14.4			13.1			10.6			8			85
90	10	8.8	7.6	15.4	11.3		15.3	11.2		14.9	11		14			12.8			10.5			7.9			90
95	9.5	8.4	7.3	14.8	10.9		14.7	10.9		14.3	10.7		13.6	10.3		12.4			10.4			7.7			95
100	8.9	8	7.1	14.2	10.6		14.2	10.5		13.9	10.4		13.2	10.1		12.1			10.3			7.6			100
105	8.3	7.7	6.8	13.6	10.3		13.7	10.2		13.4	10.1		12.8	9.8		11.8	9.4		10.1			7.5			105
110	7.9	7.3	6.6	13.1	10	7.6	13.2	10	7.6	13	9.8		12.4	9.6		11.5	9.2		10	8.5		7.5			110
115	7.5	7.1	6.5	12.6	9.7	7.4	12.7	9.7	7.4	12.6	9.6	7.4	12.1	9.3		11.2	8.9		9.8	8.4		7.4			115
120	7.1	6.9	6.4	12.1	9.4	7.3	12.3	9.4	7.3	12.1	9.3	7.3	11.7	9.1	7.2	11	8.7		9.7	8.2		7.3	6.8		120
125	6.8	6.7	6.3	11.7	9.1	7.2	11.9	9.2	7.2	11.8	9.1	7.1	11.4	8.9	7.1	10.7	8.5		9.5	8		7.1	6.7		125
130	6.5	6.5	6.2	11.3	8.8	7	11.5	8.9	7	11.4	8.9	7	11.1	8.7	7	10.5	8.4	6.9	9.3	7.9		7	6.5		130
135	6.2	6.2	6.2	10.9	8.5	6.9	11.1	8.7	6.9	11.1	8.7	6.9	10.8	8.5	6.9	10.2	8.2	6.8	9.1	7.7		6.9	6.3		135
140	6	6	6.2	10.6	8.3	6.8	10.7	8.4	6.9	10.7	8.4	6.8	10.5	8.3	6.8	10	8	6.7	8.9	7.6	6.5	6.7	6.1		140
145	5.8	5.9		10.2	8.1	6.7	10.4	8.2	6.7	10.4	8.2	6.7	10.2	8.1	6.7	9.7	7.9	6.6	8.7	7.5	6.4	6.5	6	5.7	145
150	5.7			9.8	7.9	6.6	10.1	8	6.7	10.1	8	6.7	9.9	8	6.6	9.5	7.8	6.5	8.5	7.4	6.4	6.3	5.8	5.6	150
155				9.5	7.7	6.5	9.8	7.8	6.6	9.8	7.8	6.6	9.7	7.8	6.5	9.2	7.6	6.5	8.4	7.3	6.3	6.2	5.6	5.4	155
160				9.1	7.5	6.5	9.5	7.6	6.5	9.5	7.7	6.5	9.4	7.6	6.5	9	7.5	6.4	8.2	7.1	6.3	6	5.5	5.3	160
165				8.8	7.3	6.4	9.2	7.5	6.4	9.3	7.5	6.4	9.2	7.5	6.4	8.8	7.3	6.3	7.9	7	6.2	5.8	5.3	5.2	165
170				8.5	7.2	6.3	8.9	7.3	6.4	9	7.3	6.4	8.9	7.3	6.3	8.6	7.2	6.3	7.7	6.9	6.2	5.6	5.2	5	170
175				8.1	7	6.3	8.6	7.2	6.3	8.7	7.2	6.3	8.7	7.2	6.3	8.3	7.1	6.2	7.5	6.8	6.1	5.5	5.1	4.9	175
180				7.9	6.9	6.3	8.3	7	6.3	8.4	7.1	6.3	8.4	7.1	6.2	8.1	7	6.2	7.2	6.7	6.1	5.3	4.9	4.8	180
185				7.6	6.8	6.2	8	6.9	6.2	8.2	7	6.2	8.2	7	6.2	7.9	6.9	6.1	7	6.6	6.1	5.2	4.8	4.7	185
190				7.4	6.7	6.2	7.7	6.8	6.2	7.9	6.9	6.2	7.9	6.9	6.2	7.7	6.8	6.1	6.7	6.5	6	5.1	4.7	4.6	190
195				7.1	6.6	6.2	7.5	6.7	6.2	7.7	6.8	6.2	7.7	6.8	6.1	7.5	6.7	6.1	6.5	6.4	6	4.9	4.6	4.5	195
200				6.9	6.5	6.2	7.3	6.6	6.2	7.5	6.7	6.2	7.5	6.7	6.1	7.4	6.6	6	6.3	6.3	6	4.8	4.5	4.4	200
205				6.7	6.4	6.2	7.1	6.5	6.2	7.3	6.5	6.1	7.3	6.6	6.1	7.2	6.5	6	6.1	6.2	6	4.6	4.3	4.3	205
210				6.6	6.2	6.2	6.9	6.4	6.2	7.1	6.4	6.1	7.1	6.4	6.1	7	6.4	6	5.9	6	6	4.5	4.2	4.2	210
215				6.4	6.1	6.2	6.7	6.2	6.2	6.9	6.3	6.1	6.9	6.3	6.1	6.8	6.2	6	5.7	5.8	5.9	4.4	4.1	4.1	215
220				6.2	6	6.2	6.6	6.1	6.2	6.8	6.2	6.1	6.8	6.2	6.1	6.6	6.2	6	5.6	5.7	5.8	4.2	4	4	220
225				6.1	5.9	6.2	6.4	6.1	6.2	6.6	6.1	6.1	6.6	6.1	6.1	6.4	6.1	6	5.4	5.5	5.7	4.1	3.9	3.9	225
230				6	5.9		6.3	6	6.2	6.4	6	6.1	6.5	6	6	6.2	6	6	5.2	5.3	5.5	4	3.8	3.8	230
235				5.8	5.8		6.1	5.9	6.2	6.3	5.9	6.1	6.4	6	6	6	5.9	5.9	5	5.1	5.4	3.9	3.7	3.7	235
240				5.7	5.8		6	5.8		6.2	5.9	6.1	6.2	5.9	6	5.8	5.8	5.9	4.8	5	5.2	3.7	3.6	3.7	240
245							5.9	5.8		6.1	5.8	6.1	6	5.8	6	5.5	5.6	5.9	4.6	4.8	5	3.6	3.5	3.6	245
250							5.8	5.8		5.9	5.7	6.1	5.5	5.7	6	5.2	5.5	5.8	4.4	4.6	4.9	3.4	3.5	3.5	250
255							4.2	5.8		5.8	5.7		5.2	5.7	6	4.7	5.4	5.7	4.2	4.4	4.7	3.3	3.4	3.5	255
260										5.7	5.7		5	5.6	5.8	4.2	5.2	5.5	3.9	4.3	4.5	3.1	3.3	3.4	260
265										4.8	5.7		4.8	5	5.2	3.8	4.8	5.2	3.6	4.1	4.4	3	3.2	3.3	265
270										2.3	5		4.6	4.8		3.7	4.4	4.7	3.3	3.9	4.1	2.8	3.1	3.3	270
275													4.3	4.6		3.5	3.8		2.8	3.7	3.9		2.9	3.2	275
280													3.1	4.4		3.3	3.5		2.5	3.4	3.5		2.8	3	280
285														3.4		3.1	3.3		2.3	2.9	3.1		2.5	2.9	285
290																2.8	3.1			2.4	2.7				290
295																	2.9			2.3					295
300																	2.1			2.1					300

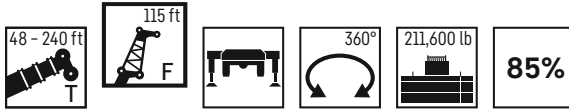
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TF 115 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	F 115 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°	
24	19.6																								24
26	19.5																								26
28	19.2																								28
30	18.7																								30
32	18.2																								32
34	17.7																								34
36	17.2																								36
38	16.8																								38
40	16.4																								40
45	15.4			19.3																					45
50	14.5			18.6			17.8																		50
55	13.5			17.8			17.1			16.2															55
60	12.7			17.1			16.5			15.6			14.4												60
65	11.9	10		16.4			15.9			15.1			14			12.4									65
70	11.1	9.5		15.8			15.3			14.6			13.6			12.2									70
75	10.5	9		15.2			14.8			14.2			13.3			11.9			9.6						75
80	9.8	8.5		14.6			14.3			13.7			12.9			11.6			9.4			6.9			80
85	9.3	8		13.9			13.7			13.3			12.5			11.3			9.3			6.9			85
90	8.8	7.6		13.4	9.6		13.2	9.5		12.8			12.1			11			9.1			6.8			90
95	8.3	7.2	6.2	12.8	9.2		12.8	9.2		12.4	9		11.7			10.7			9			6.7			95
100	7.8	6.8	6	12.3	8.9		12.3	8.9		12	8.7		11.4			10.4			8.8			6.7			100
105	7.4	6.5	5.8	11.8	8.6		11.8	8.6		11.5	8.5		11	8.2		10.2			8.7			6.6			105
110	7	6.3	5.6	11.3	8.3		11.4	8.3		11.2	8.2		10.7	8		9.9	7.6		8.6			6.5			110
115	6.6	6	5.4	10.9	8	6.2	11	8		10.8	8		10.3	7.7		9.6	7.4		8.5			6.4			115
120	6.3	5.8	5.2	10.5	7.7	6	10.5	7.8	6	10.4	7.7		10	7.5		9.4	7.2		8.3	6.8		6.4			120
125	6	5.6	5.1	10.1	7.5	5.9	10.2	7.5	5.9	10.1	7.5	5.8	9.7	7.4		9.1	7.1		8.1	6.7		6.2			125
130	5.7	5.4	5	9.7	7.3	5.8	9.8	7.3	5.8	9.7	7.3	5.8	9.4	7.2	5.6	8.9	6.9		7.9	6.6		6.1	5.7		130
135	5.5	5.3	4.9	9.3	7.1	5.7	9.5	7.1	5.7	9.4	7.1	5.7	9.2	7	5.6	8.6	6.8		7.8	6.5		5.9	5.6		135
140	5.2	5.1	4.9	9	6.9	5.6	9.1	6.9	5.6	9.1	7	5.6	8.9	6.9	5.5	8.4	6.7	5.4	7.6	6.4		5.8	5.4		140
145	5	5	4.8	8.7	6.7	5.5	8.8	6.8	5.5	8.8	6.8	5.5	8.6	6.7	5.4	8.2	6.6	5.3	7.5	6.3		5.6	5.3		145
150	4.8	4.9	4.8	8.4	6.5	5.4	8.5	6.6	5.4	8.5	6.6	5.4	8.4	6.6	5.3	8	6.4	5.3	7.3	6.2	5.1	5.5	5.1		150
155	4.7	4.9	4.8	8.1	6.3	5.3	8.3	6.5	5.3	8.3	6.5	5.3	8.1	6.5	5.3	7.8	6.3	5.2	7.2	6.1	5.1	5.3	5	4.8	155
160	4.6	4.8		7.8	6.2	5.2	8	6.3	5.2	8	6.3	5.2	7.9	6.3	5.2	7.6	6.2	5.1	7.1	5.9	5	5.2	4.8	4.7	160
165				7.5	6.1	5.1	7.8	6.2	5.2	7.8	6.2	5.2	7.7	6.2	5.1	7.4	6.1	5.1	6.9	5.9	5	5	4.7	4.5	165
170				7.3	5.9	5.1	7.5	6	5.1	7.6	6.1	5.1	7.4	6.1	5.1	7.2	5.9	5	6.8	5.8	4.9	4.8	4.6	4.4	170
175				7	5.8	5	7.3	5.9	5	7.4	5.9	5	7.3	5.9	5	7.1	5.8	5	6.6	5.7	4.9	4.7	4.4	4.3	175
180				6.8	5.7	5	7	5.8	5	7.2	5.8	5	7.1	5.8	5	6.9	5.7	4.9	6.4	5.6	4.8	4.5	4.3	4.2	180
185				6.5	5.6	4.9	6.8	5.7	4.9	7	5.7	4.9	7	5.7	4.9	6.8	5.6	4.9	6.3	5.5	4.8	4.4	4.2	4.1	185
190				6.3	5.4	4.9	6.6	5.6	4.9	6.8	5.6	4.9	6.8	5.6	4.9	6.6	5.5	4.8	6.1	5.4	4.8	4.3	4	4	190
195				6.2	5.3	4.9	6.4	5.5	4.9	6.6	5.5	4.9	6.6	5.5	4.8	6.5	5.5	4.8	5.9	5.3	4.7	4.1	3.9	3.9	195
200				6	5.3	4.9	6.2	5.4	4.8	6.4	5.4	4.8	6.5	5.4	4.8	6.4	5.4	4.8	5.7	5.3	4.7	4	3.8	3.8	200
205				5.8	5.2	4.8	6	5.3	4.8	6.3	5.3	4.8	6.3	5.3	4.8	6.2	5.3	4.7	5.5	5.2	4.7	3.9	3.7	3.7	205
210				5.6	5.1	4.8	5.9	5.2	4.8	6.1	5.3	4.8	6.2	5.3	4.8	6.1	5.2	4.7	5.4	5.1	4.7	3.8	3.6	3.6	210
215				5.4	5	4.8	5.7	5.1	4.8	5.9	5.2	4.8	6	5.2	4.7	6	5.2	4.7	5.2	5	4.7	3.6	3.5	3.5	215
220				5.3	5	4.8	5.6	5.1	4.8	5.8	5.1	4.8	5.9	5.1	4.7	5.8	5.1	4.7	5	4.9	4.6	3.5	3.4	3.4	220
225				5.2	4.9	4.8	5.4	5	4.8	5.6	5.1	4.8	5.8	5.1	4.7	5.7	5	4.7	4.8	4.8	4.6	3.4	3.3	3.3	225
230				5	4.9	4.8	5.3	5	4.8	5.5	5	4.8	5.6	5	4.7	5.5	5	4.7	4.6	4.7	4.6	3.3	3.2	3.3	230
235				4.9	4.9	4.8	5.2	4.9	4.8	5.4	4.9	4.8	5.5	5	4.7	5.4	4.9	4.7	4.4	4.6	4.6	3.2	3.1	3.2	235
240				4.8	4.9		5	4.9	4.8	5.2	4.9	4.8	5.4	4.9	4.7	5.2	4.9	4.7	4.2	4.5	4.6	3.1	3	3.1	240
245				4.7	4.8		4.9	4.8	4.8	5.1	4.9	4.8	5.3	4.9	4.7	5.1	4.9	4.7	4.1	4.3	4.6	3	2.9	3	245
250				4.6	4.8		4.8	4.8	4.8	5	4.8	4.8	5.2	4.8	4.7	4.9	4.8	4.7	3.9	4.1	4.4	2.9	2.8	3	250
255							4.7	4.8		4.9	4.8	4.8	5	4.8	4.7	4.6	4.7	4.7	3.7	4	4.3	2.8	2.7	2.9	255
260							4.6	4.8		4.8	4.7	4.8	4.7	4.7	4.7	4.2	4.6	4.7	3.5	3.8	4.1	2.6	2.6	2.8	260
265							4	4.8		4.7	4.7		4.5	4.7	4.7	3.8	4.5	4.7	3.3	3.6	4		2.6	2.8	265
270								2.6		4.6	4.7		4.2	4.7	4.7	3.4	4.3	4.6	3.1	3.5	3.8		2.5	2.7	270
275										4.1	4.7		4	4.4	4.5	3	4	4.4	2.8	3.3	3.6		2.4	2.6	275
280											4.7		3.8	4.1		2.9	3.6	4	2.4	3.1	3.4		2.3	2.5	280
285													3.5	3.9		2.7	3.1	3.5		2.9	3.1			2.4	285
290													2.5	3.7		2.5	2.8	2.9		2.7	2.8			2.3	290
295														3.1			2.4	2.6			2.5				295
300																	2.4								300
305																	2.2								305

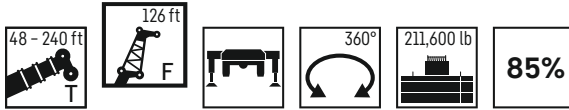
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TF 126 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
28	16.7																								28
30	16.4																								30
32	16																								32
34	15.6																								34
36	15.2																								36
38	14.8																								38
40	14.5																								40
45	13.6																								45
50	12.8			16.2			15.3																		50
55	12			15.5			14.9																		55
60	11.3			14.9			14.3			13.5															60
65	10.6			14.3			13.8			13.1			12.1												65
70	9.9	8.1		13.7			13.3			12.6			11.7			10.6									70
75	9.2	7.8		13.2			12.8			12.2			11.4			10.4			8.1						75
80	8.7	7.3		12.6			12.4			11.8			11.1			10.1			8			5.5			80
85	8.1	7		12.1			11.9			11.5			10.8			9.8			7.9			5.5			85
90	7.6	6.6		11.6			11.5			11.1			10.4			9.5			7.7			5.5			90
95	7.3	6.3		11.2	7.8		11			10.7			10.1			9.2			7.6			5.5			95
100	6.9	6		10.7	7.5		10.6	7.5		10.3			9.8			8.9			7.5			5.5			100
105	6.5	5.7	4.9	10.3	7.3		10.2	7.2		10	7.1		9.5			8.7			7.4			5.6			105
110	6.2	5.4	4.7	9.8	7		9.8	7		9.6	6.9		9.2	6.8		8.4			7.3			5.6			110
115	5.9	5.2	4.5	9.4	6.8		9.5	6.8		9.3	6.7		8.8	6.6		8.2			7.2			5.5			115
120	5.6	5	4.4	9	6.6		9.1	6.6		8.9	6.5		8.5	6.4		7.9	6.1		7.1			5.4			120
125	5.3	4.8	4.2	8.6	6.3	4.9	8.7	6.4		8.6	6.4		8.3	6.3		7.7	6		6.9			5.3			125
130	5	4.6	4.1	8.3	6.2	4.8	8.4	6.2	4.8	8.3	6.2		8	6.1		7.5	5.9		6.8	5.5		5.2			130
135	4.8	4.4	4	7.9	6	4.6	8.1	6	4.6	8	6	4.6	7.8	5.9		7.3	5.7		6.7	5.4		5.1	4.7		135
140	4.6	4.2	3.9	7.6	5.8	4.6	7.8	5.9	4.6	7.7	5.8	4.5	7.5	5.8	4.4	7.1	5.6		6.5	5.3		4.9	4.6		140
145	4.4	4.1	3.8	7.4	5.6	4.5	7.5	5.7	4.5	7.5	5.7	4.4	7.3	5.6	4.4	6.9	5.5		6.4	5.2		4.8	4.5		145
150	4.2	4	3.7	7.1	5.5	4.4	7.2	5.5	4.4	7.3	5.6	4.4	7	5.5	4.3	6.8	5.4	4.2	6.2	5.1		4.6	4.3		150
155	4	3.9	3.7	6.9	5.3	4.3	7	5.4	4.3	7	5.4	4.3	6.9	5.4	4.2	6.6	5.2	4.2	6.1	5		4.5	4.2		155
160	3.8	3.8	3.7	6.7	5.2	4.2	6.8	5.3	4.2	6.8	5.3	4.2	6.7	5.2	4.2	6.4	5.1	4.1	6	4.9	4	4.3	4		160
165	3.7	3.8	3.7	6.4	5	4.1	6.6	5.1	4.1	6.6	5.2	4.1	6.5	5.1	4.1	6.3	5	4	5.9	4.8	3.9	4.2	3.9		165
170	3.6	3.8		6.2	4.9	4.1	6.4	5	4.1	6.4	5	4.1	6.4	5	4	6.1	4.9	4	5.7	4.7	3.9	4	3.8	3.8	170
175				6	4.8	4	6.2	4.9	4	6.3	4.9	4	6.2	4.9	4	6	4.8	3.9	5.6	4.6	3.8	3.9	3.7	3.7	175
180				5.8	4.7	3.9	6	4.8	4	6.1	4.8	4	6	4.8	3.9	5.9	4.7	3.9	5.5	4.6	3.8	3.8	3.5	3.6	180
185				5.6	4.6	3.9	5.9	4.7	3.9	6	4.7	3.9	5.9	4.7	3.9	5.7	4.6	3.8	5.4	4.5	3.7	3.6	3.4	3.4	185
190				5.5	4.5	3.8	5.7	4.6	3.9	5.8	4.6	3.9	5.8	4.6	3.8	5.6	4.5	3.8	5.2	4.4	3.7	3.5	3.3	3.3	190
195				5.3	4.4	3.8	5.5	4.5	3.8	5.6	4.5	3.8	5.6	4.5	3.8	5.5	4.4	3.8	5.1	4.3	3.7	3.4	3.1	3.2	195
200				5.1	4.3	3.8	5.3	4.4	3.8	5.5	4.4	3.8	5.5	4.4	3.8	5.4	4.4	3.7	4.9	4.2	3.7	3.2	3	3.1	200
205				4.9	4.2	3.7	5.2	4.3	3.7	5.3	4.3	3.7	5.4	4.3	3.7	5.2	4.3	3.7	4.8	4.2	3.6	3.1	2.9	3	205
210				4.8	4.1	3.7	5	4.2	3.7	5.2	4.2	3.7	5.2	4.3	3.7	5.1	4.2	3.7	4.7	4.1	3.6	3	2.8	2.9	210
215				4.6	4	3.7	4.9	4.1	3.7	5	4.2	3.7	5.1	4.2	3.7	5	4.1	3.6	4.5	4	3.6	2.8	2.6	2.8	215
220				4.5	4	3.7	4.7	4.1	3.7	4.9	4.1	3.7	5	4.1	3.6	4.9	4.1	3.6	4.3	4	3.6	2.7	2.5	2.7	220
225				4.3	3.9	3.7	4.6	4	3.7	4.7	4	3.7	4.8	4	3.6	4.8	4	3.6	4.2	3.9	3.6	2.6	2.4	2.6	225
230				4.2	3.9	3.7	4.5	3.9	3.7	4.6	4	3.6	4.7	4	3.6	4.7	4	3.6	4	3.9	3.5	2.5	2.3	2.4	230
235				4.1	3.8	3.7	4.3	3.9	3.7	4.5	3.9	3.6	4.6	3.9	3.6	4.6	3.9	3.6	3.8	3.8	3.5	2.4	2.2	2.3	235
240				4	3.8	3.7	4.2	3.8	3.7	4.4	3.9	3.6	4.5	3.9	3.6	4.5	3.9	3.6	3.6	3.7	3.5	2.2		2.3	240
245				3.9	3.8	3.7	4.1	3.8	3.7	4.3	3.8	3.6	4.4	3.8	3.6	4.3	3.8	3.6	3.5	3.6	3.5	2.1		2.2	245
250				3.8	3.8		4	3.8	3.7	4.2	3.8	3.6	4.3	3.8	3.6	4.2	3.8	3.6	3.3	3.6	3.5				250
255				3.7	3.8		3.9	3.8	3.7	4.1	3.7	3.6	4.2	3.8	3.6	4.1	3.7	3.6	3.1	3.4	3.5				255
260				3.6	3.8		3.8	3.8	3.7	4	3.7	3.6	4.1	3.7	3.6	3.9	3.7	3.6	3	3.3	3.5				260
265				2.8	3.8		3.7	3.8		3.9	3.7	3.6	4	3.7	3.6	3.7	3.6	3.6	2.8	3.1	3.4				265
270							3.6	3.8		3.8	3.7	3.6	3.7	3.7	3.6	3.3	3.6	3.6	2.6	3	3.3				270
275							3.5	3.8		3.7	3.7		3.6	3.7	3.6	2.9	3.5	3.6	2.5	2.8	3.1				275
280								3.5		3.6	3.7		3.4	3.7	3.6	2.5	3.5	3.6		2.7	3				280
285										3.3	3.7		3.2	3.5	3.6	2.2	3.3	3.5		2.5	2.8				285
290											3.7		3	3.3			2.9	3.2		2.3	2.6				290
295													2.7	3.1			2.3	2.7			2.4				295
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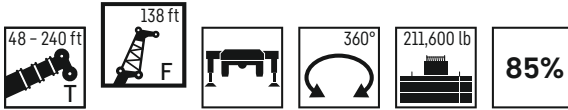
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TF 138 ft



	48 + 6 ft 7 in*			144 + 6 ft 7 in*			160 + 6 ft 7 in*			176 + 6 ft 7 in*			192 + 6 ft 7 in*			208 + 6 ft 7 in*			224 + 6 ft 7 in*			240 + 6 ft 7 in*			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
30	14.2																								30
32	14																								32
34	13.7																								34
36	13.4																								36
38	13.1																								38
40	12.7																								40
45	12																								45
50	11.3			14																					50
55	10.6			13.5			12.9																		55
60	10			13			12.5			11.7															60
65	9.4			12.4			12			11.4			10.5												65
70	8.8			11.9			11.6			11			10.2												70
75	8.2			11.5			11.1			10.6			9.9			8.9									75
80	7.6	6.5		11			10.7			10.2			9.6			8.7			6.9						80
85	7.2	6.2		10.6			10.4			9.9			9.3			8.5			6.9			4.2			85
90	6.8	5.8		10.1			10			9.6			9			8.2			6.8			4.2			90
95	6.5	5.5		9.7			9.6			9.3			8.7			8			6.7			4.2			95
100	6.1	5.2		9.3	6.5		9.2			8.9			8.5			7.7			6.6			4.3			100
105	5.8	5		8.9	6.3		8.9	6.3		8.6			8.2			7.5			6.6			4.3			105
110	5.5	4.7		8.5	6.1		8.5	6.1		8.3	6		7.9			7.2			6.5			4.3			110
115	5.2	4.5	3.9	8.2	5.8		8.2	5.9		8	5.8		7.6			7			6.3			4.3			115
120	4.9	4.3	3.7	7.8	5.6		7.8	5.7		7.7	5.6		7.3	5.5		6.8			6.2			4.3			120
125	4.7	4.1	3.6	7.5	5.5		7.5	5.5		7.5	5.5		7.1	5.4		6.7	5.2		6			4.2			125
130	4.5	3.9	3.4	7.2	5.3		7.2	5.3		7.2	5.3		6.9	5.2		6.5	5		5.9			4.2			130
135	4.2	3.8	3.3	6.9	5.1	3.6	7	5.1		6.9	5.1		6.7	5		6.3	4.9		5.8	4.6		4.1			135
140	4	3.6	3.2	6.7	5	3.6	6.7	5	3.6	6.7	5		6.5	4.9		6.1	4.8		5.6	4.5		4			140
145	3.9	3.5	3.1	6.5	4.8	3.5	6.5	4.9	3.5	6.5	4.8	3.4	6.3	4.8		6	4.6		5.5	4.4		3.9	3.7		145
150	3.7	3.3	3	6.2	4.6	3.4	6.3	4.7	3.4	6.3	4.7	3.4	6.1	4.6	3.3	5.8	4.5		5.4	4.3		3.8	3.6		150
155	3.5	3.2	2.9	6	4.5	3.3	6.1	4.6	3.3	6.1	4.6	3.3	6	4.5	3.2	5.7	4.4		5.3	4.2		3.7	3.4		155
160	3.3	3.1	2.9	5.8	4.4	3.3	5.9	4.4	3.3	5.9	4.5	3.2	5.8	4.4	3.2	5.5	4.3	3.1	5.2	4.1		3.5	3.3		160
165	3.2	3	2.9	5.6	4.2	3.2	5.7	4.3	3.2	5.8	4.3	3.2	5.6	4.3	3.2	5.4	4.2	3.1	5	4		3.4	3.1		165
170	3	3	2.9	5.4	4.1	3.1	5.5	4.2	3.2	5.6	4.2	3.1	5.5	4.2	3.1	5.2	4.1	3	4.9	3.9	2.9	3.3	3		170
175	2.9	2.9	2.9	5.2	4	3.1	5.4	4.1	3.1	5.4	4.1	3.1	5.3	4.1	3.1	5.1	4	3	4.8	3.8	2.8	3.1	2.9		175
180	2.8	2.9		5	3.9	3	5.2	4	3.1	5.3	4	3	5.2	4	3	5	3.9	2.9	4.7	3.8	2.8	3	2.7	2.7	180
185	2.8			4.9	3.8	3	5	3.9	3	5.1	3.9	3	5	3.9	3	4.9	3.8	2.9	4.6	3.7	2.8	2.8	2.6	2.6	185
190				4.7	3.7	2.9	4.9	3.8	3	5	3.8	3	4.9	3.8	2.9	4.8	3.7	2.9	4.5	3.6	2.8	2.7	2.5	2.6	190
195				4.5	3.6	2.9	4.7	3.7	2.9	4.8	3.7	2.9	4.8	3.7	2.9	4.7	3.6	2.9	4.4	3.5	2.8	2.5	2.3	2.5	195
200				4.4	3.5	2.9	4.6	3.6	2.9	4.7	3.6	2.9	4.7	3.6	2.9	4.5	3.6	2.8	4.3	3.5	2.7	2.4	2.2	2.4	200
205				4.2	3.4	2.9	4.4	3.5	2.9	4.5	3.5	2.9	4.6	3.5	2.9	4.4	3.5	2.8	4.2	3.4	2.7	2.3		2.3	205
210				4.1	3.4	2.9	4.3	3.4	2.9	4.4	3.5	2.9	4.4	3.5	2.8	4.3	3.4	2.8	4.1	3.3	2.7	2.2		2.1	210
215				4	3.3	2.9	4.2	3.4	2.8	4.3	3.4	2.9	4.3	3.4	2.8	4.2	3.4	2.8	4	3.3	2.7				215
220				3.8	3.2	2.9	4	3.3	2.8	4.2	3.3	2.9	4.2	3.3	2.8	4.1	3.3	2.8	3.9	3.2	2.7				220
225				3.7	3.2	2.9	3.9	3.2	2.8	4	3.3	2.8	4.1	3.3	2.8	4.1	3.2	2.8	3.7	3.2	2.7				225
230				3.6	3.1	2.9	3.8	3.2	2.8	3.9	3.2	2.8	4	3.2	2.8	4	3.2	2.8	3.5	3.1	2.7				230
235				3.5	3	2.9	3.7	3.1	2.8	3.8	3.1	2.8	3.9	3.1	2.8	3.9	3.1	2.8	3.4	3	2.7				235
240				3.4	3	2.9	3.6	3.1	2.8	3.7	3.1	2.8	3.8	3.1	2.8	3.8	3.1	2.8	3.2	3	2.7				240
245				3.3	3	2.9	3.5	3	2.8	3.6	3	2.8	3.7	3.1	2.8	3.7	3	2.7	3.1	3	2.7				245
250				3.2	2.9	2.9	3.4	3	2.8	3.5	3	2.8	3.6	3	2.8	3.6	3	2.7	2.9	2.9	2.7				250
255				3.1	2.9	2.9	3.3	2.9	2.8	3.4	3	2.8	3.5	3	2.8	3.5	3	2.7	2.8	2.9	2.7				255
260				3	2.9		3.2	2.9	2.8	3.3	2.9	2.8	3.4	2.9	2.8	3.4	2.9	2.7	2.6	2.8	2.7				260
265				2.9	2.9		3.1	2.9	2.8	3.2	2.9	2.8	3.3	2.9	2.8	3.3	2.9	2.7	2.5	2.8	2.7				265
270				2.8	2.9		3	2.9	2.8	3.2	2.9	2.8	3.3	2.9	2.8	3.2	2.8	2.7		2.6	2.7				270
275				2.8	2.9		2.9	2.9		3.1	2.9	2.8	3.2	2.8	2.8	3	2.8	2.7		2.5	2.7				275
280							2.9	2.9		3	2.8	2.8	3.1	2.8	2.8	2.7	2.8	2.7		2.3	2.6				280
285							2.8	2.9		2.9	2.8	2.8	2.9	2.8	2.8	2.3	2.8	2.7		2.2	2.5				285
290								2.9		2.9	2.8		2.8	2.8	2.8		2.8	2.7			2.4				290
295								2.8		2.8			2.6	2.8	2.8		2.7	2.7			2.2				295
300										2.8			2.4	2.7			2.3								300
305										2.2			2.1	2.5											305
310													2.3												310

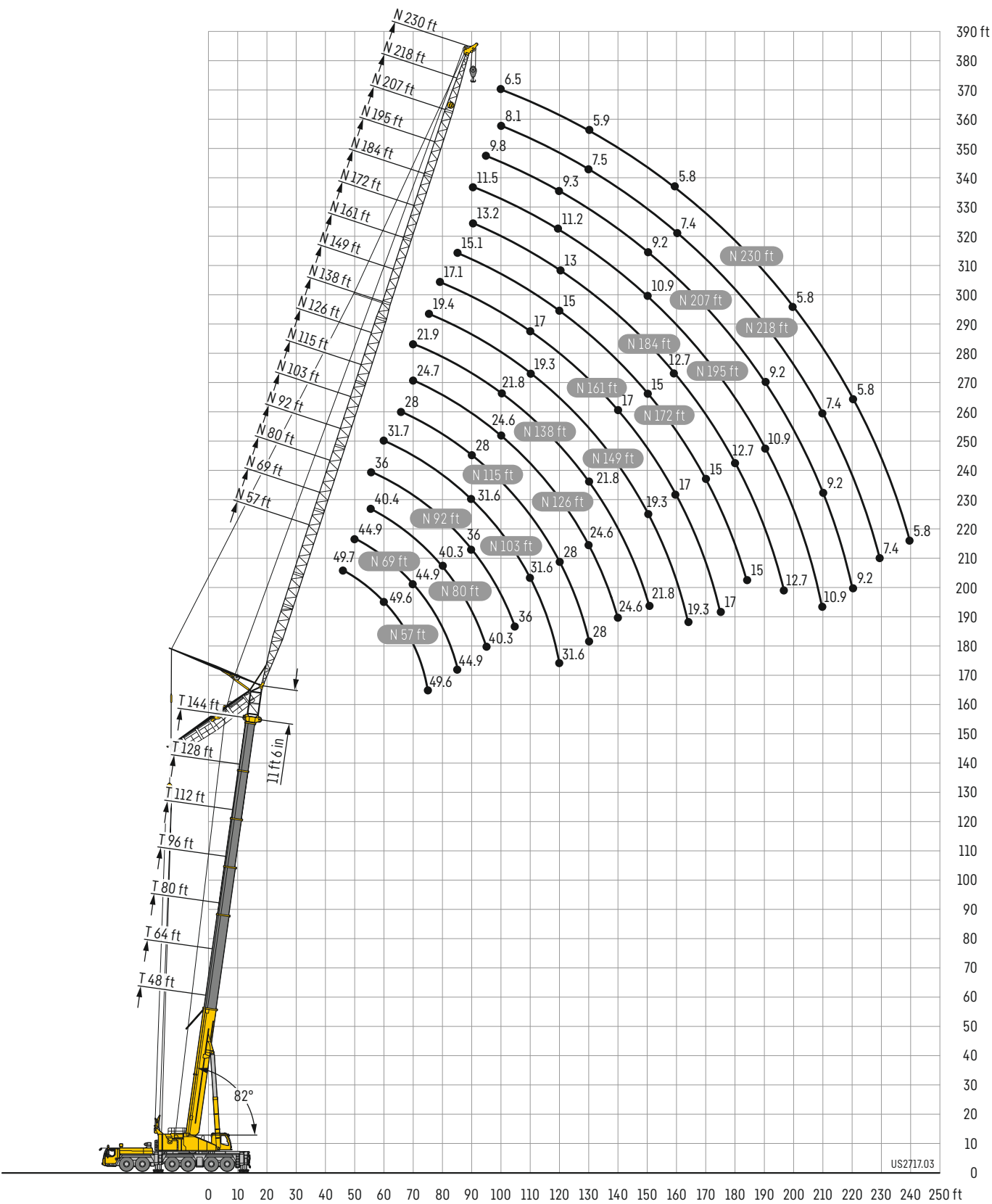
* adapter - pièce d'adaptateur

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Lifting heights

Hauteurs de levage

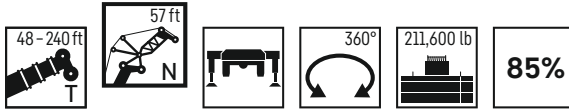
TN



Lifting capacities

Forces de levage

TN 57 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 57 ft**															
26	110.7															26
28	110.8															28
30	110.7			103.2												30
32	110.3			103.9			93.9									32
34	109.3			104.4			94.2			82.8						34
36	108			104.8			94.4			82.8						36
38	107			104.9			94.4			82.7			70.8			38
40	106.1	105.1		104.6			94.4			82.6			70.7			40
45	103.5	98.5		102.5	100.6		94.4			82.6			70.7			45
50	95.6	93.2		100.2	97.6		94.4	91.4		82.6			70.7			50
55	83.9	89.5	86.2	90.4	94.6		93	91.1		82.6	79.8		70.7			55
60	65.5	86.5	81.6	79	91.7	89.2	85.4	89.9		82.6	79.9		70.7	68.2		60
65		78.8	78.3		88	84.7	72.9	88.8		80.5	80.4		70.7	68.2		65
70			77.2		78.3	81.6		86.3	81.7		80.8		70.7	68.2		70
75			72.9			79		78	75.9		78.5	73.1		68.2		75
80						73.7			70.7		73.2	68.2		68.2		80
85									66			63.7		65.9	60.1	85
90												59.7			56.4	90
95															53	95
100															49.9	100

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*		192 + 11 ft 6 in*		208 + 11 ft 6 in*	224 + 11 ft 6 in*	240 + 11 ft 6 in*	
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	82°	82°	82°	
	N 57 ft**																
40	60.7																40
45	60.6			49.7													45
50	60.5			49.6			39.3										50
55	60.5			49.6			39.2			32.2		25					55
60	60.5			49.6			39			32.1		24.9		18.7			60
65	60.5	58.4		49.6			38.9			32		24.9		18.7	12.7	7.7	65
70	60.5	58.5		49.6			38.9			31.9		24.8		18.6	12.6	7.6	70
75		58.8		49.6	48		38.9			31.9		24.8		18.5	12.4	7.4	75
80		59.1			48.1			37.8				24.8		18.4	12.3	7.3	80
85		59.1			48			37.6			30.3				12.2	7.2	85
90		59	54.3		47			37.4			30.2						90
95			51.1					37.3			30		23.2				95
100			48.2			40.6					29.9		23.1				100
105			45.5			39.2			33				22.9				105
110						37.9			31.8								110
115									30.9								115

* adapter - pièce d'adaptateur

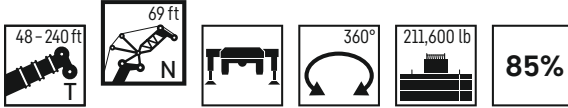
** Hookblock with deadweight of 2,200 lb necessary - Moufle a crochet de poids minimal de 2,200 lb nécessaire

t 240_004_50101_00_000

Lifting capacities

Forces de levage

TN 69 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 69 ft															
30	97.7															30
32	97.6			91.4												32
34	97.1			91.5												34
36	96.2			91.6			83.4									36
38	95.1			91.4			83.2			73.4						38
40	94			91.1			83.1			73.4						40
45	91.5	90.3		89.5			82.8			73.1			63.4			45
50	89.4	86.9		87.9	86.8		82.6			73			63.3			50
55	87.9	83		86.8	84.4		82.3	80.5		73			63.3			55
60	83.7	79.6	77.8	85.6	82.5		81.9	79.2		73	70.9		63.3			60
65	73.7	77.3	73.7	81.2	80.8	79.3	81.9	77.7		73	70.8		63.3	61.3		65
70	57.8	75.9	70.6	69.3	79.6	76.3	77	76.6		73	70.5		63.3	61.2		70
75		70.6	68.3	51.8	79.2	73.6	64.4	76	74.2	73	69.9		63.3	61.2		75
80			67.7		71.4	71.4		74.8	70.3		69.7	67.6	63.3	61.2		80
85			65.8			68.6		69.9	65.7		68.3	63.5		61.2		85
90						64.4			61.6		64.2	59.6		60.8	55.9	90
95									57.9			56		58	52.6	95
100												52.9			49.7	100
105															46.9	105
110															44.4	110

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*		224 + 11 ft 6 in*		240 + 11 ft 6 in*		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	82°	75°	82°	75°	
	N 69 ft																					
45	54.5																					45
50	54.5			44.9			34.6															50
55	54.5			44.9			34.5			28.3												55
60	54.5			44.9			34.2			28.2			21.5									60
65	54.5			44.9			34			28			21.4			15.9						65
70	54.5	52.7		44.9			33.9			27.9			21.3			15.7		10.3		5.9		70
75	54.5	52.8		44.9			33.8			27.8			21.3			15.6		10.1		5.8		75
80	54.5	52.9		44.9	43.3		33.8			27.8			21.3			15.4		10		5.7		80
85		53.1		44.9	43		33.8	32.9		27.7			21.3			15.3		9.9		5.6		85
90		53.3			42.9			32.7		27.7	26.8		21.3			15.3		9.8		5.5		90
95		53.6	50.5		42.7			32.6			26.7					15.3		9.8		5.5		95
100		52.9	47.7		42			32.5			26.6			20.2								100
105			45.1		41.2	37.5		32.5			26.5			20.1			14.1					105
110			42.7			36.3					26.5			20			13.9					110
115			40.5			35.2			29.4					19.9			13.8		8.7			115
120						34.2			28.5								13.8		8.6		4.5	120
125									27.7			22.4							8.5		4.4	125
130												21.7									4.4	130
135												21.1					16.2					135
140																	15.7					140

* adapter · pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 80 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
34	85.6															34
36	85.3			80.1												36
38	84.3			79.9												38
40	83.4			79.7			72.9									40
45	81.2			78.9			72.6			64.6			56.3			45
50	79.3	78.7		77.5			72.4			64.4			56.2			50
55	77.5	76.4		76.2	75.4		72			64.4			56.1			55
60	76.2	73.7		75	73.7		71.1	70.4		64.4			56.1			60
65	74.5	71.2	70.1	74.3	71.9		70.5	68.9		64.4	62.5		56.1			65
70	70.6	68.8	67	72.6	70.6		70.3	67.6		64.4	62.4		56.1	54.4		70
75	62.6	67.1	64	68.3	69.5	68.5	70.3	66.7		64.4	61.9		56.1	54.3		75
80	51.6	65.8	61.7	59.7	68.8	66.2	66.2	66	65.1	64.4	61.2		56.1	54.3		80
85		61	59.9	48.5	67.9	64.4	57.4	65.6	63.7	64.3	60.7		56.1	54.3		85
90		49.3	59.4		61.5	62.8		65	61.5	54.4	60.6	58.7	56.1	54.3		90
95			57.7		50.8	60.4		61.7	57.9		60.1	55.7		54.3	52.1	95
100						57			54.6		56.8	52.6		53.9	49.3	100
105									51.6			49.7		51.5	46.6	105
110									48.9			47.1			44.2	110
115												44.7			41.9	115
120															39.9	120

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*			224 + 11 ft 6 in*		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
50	48.5																				50
55	48.5			40.4			30.4														55
60	48.4			40.4			30.2			24.3											60
65	48.4			40.3			30.1			24.3			19								65
70	48.4			40.3			29.9			24.2			19			13.5			8.4		70
75	48.4	46.9		40.3			29.7			24.1			18.9			13.3			8.3		75
80	48.4	46.9		40.3			29.6			24			18.9			13.2			8.1		80
85	48.4	47		40.3	38.7		29.6			23.9			18.9			13.1			8		85
90	48.4	47		40.3	38.5		29.6	28.8		23.9			18.9			13			8		90
95	48.4	47		40.3	38.4		29.6	28.7		23.9	23.2		18.9			12.9			7.9		95
100		47			38.4		29.6	28.6		23.9	23.2		18.9			12.9			7.9		100
105		47	45		38.2			28.6			23.1			17.7		12.9			7.9		105
110		47			37.8	34.5		28.6			23.1			17.6			11.7				110
115					37.2	33.8		28.6			23.1			17.5			11.7				115
120						32.8		28.6	27.1		23.1			17.4			11.6			6.8	120
125						31.9			26.3		23.1			17.4			11.5			6.7	125
130						31			25.6			20.5					11.5			6.7	130
135									25			19.9								6.6	135
140									24.4			19.4			14.8						140
145												18.9			14.4						145
150															14						150
155																		10.3			155

* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 92 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
38	74.4															38
40	73.8			70.3												40
45	72			69.5			64.4									45
50	70.3			68.5			64			57.4			50.1			50
55	68.8	68.4		67.3			63.4			57.2			50			55
60	67.4	66.7		66.3	65.8		62.9			56.9			49.9			60
65	66.2	64.9		65.2	64.3		62.2	61.5		56.6			49.7			65
70	65.4	63.3		64.5	63		61.5	60.5		56.3	54.8		49.6			70
75	63.9	61.5	60.6	63.9	61.8		61.2	59.4		56.2	54.8		49.6	47.7		75
80	61.2	60	58.2	62.7	60.8	60.4	61	58.6		56.1	54.4		49.6	48.1		80
85	54.8	58.9	56	59.3	60.1	59	61	57.9	57.4	56.1	53.7		49.6	47.9		85
90	46.6	57.7	54.3	52.7	59.6	57.7	57	57.4	56.4	56	53.3		49.6	47.8		90
95	37.4	53.8	52.9	44.6	59.2	56.4	50.4	57.2	55.3	55.5	53	52.1	49.6	47.7		95
100		45.7	52.5		54.3	55.4	40	56.9	54	48.4	52.8	51.4	49.6	47.7	45.1	100
105			51.8		46.9	53.7		54.8	51.3		52.8	49.3		47.7	46.1	105
110						51		47.2	48.6		50.6	46.7		47.7	44	110
115									46.2		47.8	44.4		46.3	41.8	115
120									43.9			42.2		44	39.8	120
125												40.2			37.9	125
130															36.1	130

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*			224 + 11 ft 6 in*		
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	
55	43.2			36																	55
60	43.2			36			26.2														60
65	43.2			36			26.1			21.5											65
70	43.1			36			25.9			21.4			16.8			11.3					70
75	43.1			36			25.8			21.3			16.7			11.1			6.5		75
80	43.1	40.8		36			25.7			21.2			16.5			11			6.4		80
85	43.1	41.5		36			25.5			21.2			16.4			10.9			6.3		85
90	43.1	41.8		36	34.4		25.5			21.1			16.3			10.8			6.2		90
95	43.1	41.8		36	34.5		25.5	24.8		21.1			16.2			10.7			6.1		95
100	43.1	41.8		36	34.3		25.5	24.7		21.1	20.4		16.2			10.7			6.1		100
105	43.1	41.8		36	34.3		25.5	24.6		21.1	20.3		16.2			10.6			6		105
110		41.8	39.3		34.3		25.5	24.6		21.1	20.3		16.2	15		10.6			6		110
115		41.8	39.8		34.3			24.6			20.3		16.2	14.9		10.6	9.5		6		115
120		41.8	38.1		34	31		24.6			20.3			14.8			9.5		6		120
125			36.3		33.6	30.4		24.6	23.9		20.3			14.7			9.4			5	125
130			34.6			29.6		24.6	23.7		20.3			14.7			9.3			4.9	130
135			33.1			28.8			23.4		20.3	18.7		14.7			9.3			4.9	135
140			31.6			28.1			22.9			18.2		14.7			9.3			4.9	140
145						27.4			22.3			17.8			13.4					4.9	145
150									21.8			17.3			13.1						150
155												16.9			12.7			8.5			155
160															12.3			8.4			160
165																		8.4			165
170																		8.3			170

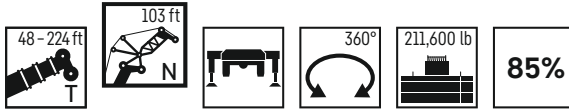
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 103 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 103 ft															
45	63.5			60.5						49.9						45
50	62.3			59.9			55.7									50
55	61.1			59.2			55.3			49.6			43.7			55
60	60	59.4		58.5			54.8			49.3			43.5			60
65	59	58.1		57.7	57.1		54.4			49.1			43.4			65
70	58.1	56.9		57	56.1		54	53.1		48.8			43.3			70
75	57.5	55.8		56.5	55.1		53.6	52.7		48.6	47.2		43.2			75
80	56.6	54.8	54.1	56.1	54.3		53.4	51.9		48.5	47.3		43.2	41.5		80
85	54.2	53.8	52.4	55.3	53.6	53	53.2	51.3		48.4	47.1		43.1	41.9		85
90	50.7	53.2	51	53.8	52.9	52	53.2	50.8		48.4	46.8		43.1	41.8		90
95	45.1	52.2	49.7	49.7	52.6	51.1	53.2	50.3	49.5	48.4	46.5		43.1	41.7		95
100	38.3	50.2	48.7	43.7	52.3	50.3	48	50.1	48.7	48.3	46.3	44.8	43.1	41.6		100
105	31	45.1	48.1	37.3	51.7	49.8	41.9	50	48.1	47.5	46.2	44.9	43.1	41.5		105
110		38.4	47.4		46	49.5	34.7	49.5	47.6	41.3	46.2	44.5	42.6	41.5	39.7	110
115			44.6		39.7	48.2		46.5	46		46.2	44.1	39.1	41.5	40.2	115
120			36.8			45.9		40.1	43.8		45.6	42.3		41.5	39.5	120
125						41.1			41.7		42.5	40.3		41.4	37.7	125
130									39.8			38.5		39.9	36	130
135												36.7			34.4	135
140															32.9	140
145															31.4	145

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*			224 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 103 ft																					
55	37.9																					55
60	37.9			31.7																		60
65	37.8			31.7			23.2															65
70	37.8			31.6			23			19			14.6									70
75	37.7			31.6			22.9			18.9			14.5			9.4						75
80	37.7			31.6			22.8			18.8			14.4			9.3			5			80
85	37.7	35.9		31.6			22.6			18.7			14.2			9.1			4.9			85
90	37.7	36.2		31.6			22.5			18.7			14.1			9			4.8			90
95	37.7	36.5		31.6	30.1		22.4			18.6			14			9			4.7			95
100	37.7	36.5		31.6	30.4		22.4	21.8		18.6			13.9			8.9			4.7			100
105	37.7	36.5		31.6	30.6		22.4	21.7		18.5	18.1		13.8			8.8			4.6			105
110	37.7	36.5		31.6	30.6		22.4	21.7		18.5	17.9		13.8			8.7			4.6			110
115	37.7	36.6	34.1	31.6	30.6		22.4	21.6		18.5	17.8		13.7	12.8		8.7			4.5			115
120		36.7	34.5	31.6	30.5		22.4	21.6		18.5	17.8		13.7	12.7		8.7	7.8		4.5			120
125		36.6	35		30.5	28.5		21.6			17.8		13.7	12.6		8.7	7.8		4.5			125
130		36.6	34.4		30.5	28.1		21.6			17.8			12.5			7.7		4.5	3.6		130
135		36.6	32.9		30.4	27.4		21.6	21		17.8			12.5			7.6			3.6		135
140			31.4			26.7		21.6	20.9		17.8			12.4			7.6			3.6		140
145			30.1			26.1			20.7		17.8	16.8		12.4			7.5			3.5		145
150			28.8			25.6			20.6			16.4		12.4			7.5			3.5		150
155						25			20.2			16			11.6		7.5			3.5		155
160									19.9			15.6			11.6					3.5		160
165												15.2			11.3			6.9				165
170															11			7				170
175															10.7			7.1			3.1	175
180																		7.1			3.2	180
185																					3.3	185

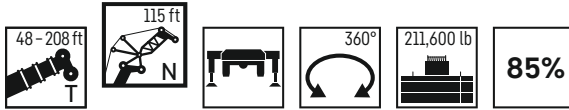
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 115 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 115 ft															
45	56.1															45
50	55.4			52.7			48.9									50
55	54.6			52.2			48.6			43.8						55
60	53.7			51.6			48.2			43.6			38.4			60
65	52.8	52.4		51.1			47.8			43.4			38.4			65
70	52	51.4		50.6	50		47.5			43.1			38.3			70
75	51.2	50.3		50	49.3		47.2	46.3		42.9			38.1			75
80	50.6	49.4		49.4	48.5		46.9	46.2		42.7	41.4		38.1			80
85	50.2	48.6	48.2	49.1	47.8		46.7	45.8		42.6	41.7		38	36.5		85
90	49.3	47.8	47.2	48.8	47.1		46.6	45.2		42.6	41.5		38	36.8		90
95	47.2	47.2	46.1	48.5	46.5	45.9	46.5	44.8		42.5	41.3		38	36.9		95
100	44.3	46.8	44.9	48.1	46.1	45.1	46.5	44.4	43.7	42.5	41.1		38	36.8		100
105	39.6	45.9	43.9	44.7	45.9	44.5	46.2	44.1	43.2	42.5	40.9	39.1	38	36.7		105
110	34.3	44.1	43.2	39.7	45.9	44	42.8	44	42.6	42.4	40.8	39.5	38	36.6		110
115	28.6	40	42.8	34.4	45.5	43.6	38.4	44	42.1	41.6	40.7	39.6	38	36.6	34.7	115
120		35	42.2	27.1	41.7	43.4	32.7	43.7	41.8	37.1	40.7	39.2	37.6	36.6	35.2	120
125			39.6		36.7	43.3		42	41.5		40.7	38.9	35.5	36.6	35.5	125
130			34.4			41.6		37.3	39.7		40.7	38.1		36.6	35.3	130
135						38.2			37.9		38.3	36.4		36.6	34	135
140									36.2			34.8		36.1	32.5	140
145												33.3			31.1	145
150												31.9			29.8	150
155															28.6	155

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 115 ft																		
60	33.5																		60
65	33.4			28			20.6												65
70	33.4			28			20.5			16.8									70
75	33.3			28			20.3			16.7			12.3						75
80	33.3			28			20.2			16.6			12.2			7.5			80
85	33.3			28			20.1			16.5			12			7.3			85
90	33.2	31.6		28			20			16.5			11.9			7.2			90
95	33.2	31.8		28			19.9			16.4			11.8			7.2			95
100	33.2	32.1		28	26.6		19.8			16.4			11.7			7.1			100
105	33.2	32.2		28	26.8		19.8	19.3		16.3			11.6			7			105
110	33.2	32.2		28	27		19.8	19.2		16.3	15.9		11.5			6.9			110
115	33.2	32.2		28	27.1		19.8	19.1		16.3	15.8		11.5			6.9			115
120	33.2	32.2	29.8	28	27.2		19.8	19.1		16.3	15.7		11.4	10.6		6.9			120
125	33.2	32.2	30.2	28	27.2		19.8	19		16.3	15.6		11.4	10.5		6.9	6		125
130		32.2	30.6	28	27.2	25	19.8	19		16.3	15.5		11.4	10.4		6.9	6		130
135		32.2	31		27.1	25.2		19		16.3	15.4		11.4	10.3		6.9	5.9		135
140		32.2	30.9		27.1	25.2		19	18.5		15.4			10.3		6.9	5.8		140
145		32.2	29.7		27.1	24.7		19	18.4		15.4			10.2			5.8		145
150			28.5		27.1	24.1		19	18.3		15.4	14.6		10.2			5.8		150
155			27.3			23.6		19	18.2		15.4	14.6		10.2			5.8		155
160			26.2			23.2			18.2			14.5		10.2	9.6		5.8		160
165						22.7			18.1			14.2			9.7		5.8		165
170									17.9			13.9			9.8			5.3	170
175									17.6			13.6			9.7			5.4	175
180												13.3			9.6			5.6	180
185															9.3			5.7	185
190																		5.8	190

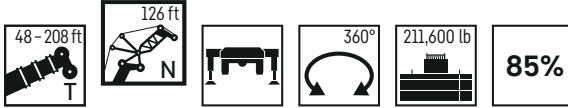
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 126 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 126 ft															
50	49.1															50
55	48.5			46.3			43.1									55
60	47.9			45.8			42.7			38.6			34			60
65	47.3			45.4			42.4			38.4			34			65
70	46.5			45			42.1			38.2			33.9			70
75	45.8	45.4		44.5	43.9		41.8			38			33.8			75
80	45.2	44.6		44.1	43.7		41.6	40.6		37.9			33.7			80
85	44.6	43.8		43.7	43.1		41.4	40.7		37.7	36.5		33.6			85
90	44.2	43		43.4	42.5		41.2	40.4		37.6	36.6		33.5	32.2		90
95	43.8	42.4	42	43.1	41.9		41.1	40.1		37.5	36.6		33.5	32.4		95
100	43.1	41.8	41.2	42.8	41.4	41	41	39.8		37.5	36.5		33.5	32.5		100
105	42.1	41.4	40.4	41.9	40.9	40.4	40.7	39.4	38.4	37.5	36.3		33.5	32.5		105
110	40	41.1	39.7	40.8	40.7	39.7	40.1	39.1	38.5	37.5	36.2		33.5	32.4		110
115	36	40.7	39	38.4	40.5	39.2	39.2	39	38	37.5	36.1	34.6	33.5	32.4		115
120	31.6	39.6	38.5	35.3	40	38.8	37.4	38.8	37.6	37.3	36.1	34.9	33.5	32.4	30.5	120
125	26.9	36.4	38.2	31.1	39.1	38.5	34.4	38.6	37.2	36.6	36	34.9	33.5	32.4	30.8	125
130		32.4	37.8	26.2	36.9	38.4	29.9	38.2	37	33.3	36	34.7	33.3	32.4	31.1	130
135		27	36.1		33.2	38.4		37	36.8	28.7	36	34.5	31.7	32.4	31.4	135
140			32.2		28	37.5		33.8	36		35.9	34.2		32.4	31.4	140
145						34.6			34.4		34	33		32.4	30.7	145
150						28.9			33		29.3	31.7		32.4	29.5	150
155									31			30.4			28.3	155
160												29.2			27.1	160
165															26.1	165

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			208 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
	N 126 ft																		
65	29.6																		65
70	29.6			24.7			18.2												70
75	29.6			24.7			18.1			14.8						5.8			75
80	29.5			24.7			18			14.7			10.3			5.8			80
85	29.4			24.6			17.9			14.6			10.1			5.8			85
90	29.4			24.6			17.8			14.6			10			5.7			90
95	29.4			24.6			17.7			14.5			9.9			5.6			95
100	29.3	28.1		24.6			17.7			14.4			9.8			5.5			100
105	29.3	28.3		24.6	23.4		17.6			14.4			9.7			5.4			105
110	29.3	28.4		24.6	23.5		17.5	17.1		14.3			9.6			5.4			110
115	29.3	28.5		24.6	23.7		17.5	16.9		14.3	13.5		9.5			5.3			115
120	29.3	28.5		24.6	23.9		17.5	16.8		14.2	13.4		9.5			5.3			120
125	29.3	28.5		24.6	23.9		17.5	16.8		14.2	13.3		9.5	8.6		5.2			125
130	29.3	28.5	26.5	24.6	24		17.5	16.8		14.2	13.2		9.4	8.6		5.2	4.4		130
135	29.3	28.4	26.8	24.6	24		17.5	16.8		14.2	13.1		9.4	8.5		5.2	4.4		135
140	29	28.4	27.2	24.6	24.1	22.1	17.5	16.8		14.2	13.1		9.4	8.4		5.2	4.3		140
145		28.4	27.5		24.1	22.4	17.5	16.8	16.4	14.2	13.1		9.4	8.4		5.2	4.3		145
150		28.4	27.7		24.1	22.4		16.8	16.3		13.1			8.4		5.2	4.2		150
155		28.4	26.9		24.1	22.2		16.8	16.2		13.1	12.3		8.4			4.2		155
160			25.9		24.1	21.8		16.8	16.1		13.1	12.5		8.4			4.2		160
165			24.8			21.4		16.8	16.1		13.1	12.6		8.4	7.9		4.2		165
170			23.9			21			16		13.1	12.6		8.4	8		4.2		170
175						20.7			16			12.5		8.4			4.2	3.9	175
180						20.1			16			12.4			8.2			4	180
185									15.9			12.1			8.3			4.2	185
190												11.9			8.3			4.3	190
195															8.1			4.3	195
200																		4.2	200

* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 138 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	N 138 ft															
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
55	43.2			41												55
60	42.7			40.7			37.9									60
65	42.1			40.3			37.7			34.1			30.1			65
70	41.6			40			37.4			33.9			30			70
75	41			39.6			37.1			33.7			29.9			75
80	40.5	40.3		39.2	38.6		36.9			33.5			29.8			80
85	40	39.6		38.9	38.5		36.7	35.7		33.4			29.7			85
90	39.5	38.9		38.6	38.2		36.5	35.8		33.3	32.1		29.6			90
95	38.9	38.2		38.3	37.7		36.3	35.7		33.1	32.2		29.6	28.4		95
100	38	37.7	37.6	37.6	37.2		36	35.4		33	32.3		29.6	28.6		100
105	37.2	37.2	36.8	36.9	36.8	36.4	35.7	35.2		33	32.2		29.5	28.7		105
110	35.9	36.7	36.2	35.9	36.5	36	35.4	35	33.6	33	32.1		29.5	28.7		110
115	34.7	35.9	35.6	34.7	36	35.5	34.5	34.7	33.8	32.8	32		29.5	28.7		115
120	33.2	35	35.1	33.6	35.1	34.9	33.4	34.4	33.8	32.3	31.8	30.2	29.5	28.6		120
125	31.3	33.8	34.6	32.5	34.3	34.6	32.4	33.9	33.5	31.8	31.8	30.5	29.5	28.6	26.7	125
130	28.5	32.7	33.9	31.1	33.2	34.2	31.5	33.3	33.2	31.1	31.8	30.8	29.5	28.6	26.9	130
135	24.7	31.6	32.9	28	32.1	33.5	29.8	32.3	32.9	30.2	31.7	30.8	29.4	28.6	27.2	135
140	20.1	29.2	31.9	24.2	31.2	32.7	27.1	31.4	32.6	28.8	31.1	30.7	28.8	28.6	27.5	140
145		25.2	30.9		29.3	31.7		30.5	32.1	26.5	30.5	30.5	28	28.6	27.7	145
150			29		26	30.8		29.4	31.3		29.7	30.4		28.6	27.7	150
155						29.9		26.4	30.4		29.1	30		28.5	27.6	155
160						27.4			29.7		27	28.8		28.1	26.7	160
165									28.6			27.7		26.9	25.7	165
170												26.6			24.7	170
175															23.8	175
180															22.8	180

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
70	26.1			21.9												70
75	26			21.9			15.9									75
80	25.9			21.8			15.9			12.8						80
85	25.9			21.8			15.8			12.7			8.3			85
90	25.8			21.8			15.7			12.6			8.1			90
95	25.8			21.8			15.7			12.5			8.1			95
100	25.8			21.8			15.6			12.3			7.9			100
105	25.7	24.7		21.8			15.6			12.2			7.9			105
110	25.7	24.8		21.8	20.7		15.5			12.1			7.8			110
115	25.7	24.9		21.8	20.8		15.4	15		12			7.7			115
120	25.7	25		21.8	21		15.4	14.9		11.9	11.3		7.6			120
125	25.7	25		21.8	21.1		15.4	14.8		11.9	11.2		7.6			125
130	25.7	25		21.8	21.2		15.4	14.7		11.9	11.1		7.5	6.8		130
135	25.7	25	23.1	21.8	21.2		15.4	14.7		11.9	11		7.5	6.7		135
140	25.7	24.9	23.3	21.8	21.3		15.4	14.6		11.9	10.9		7.5	6.7		140
145	25.3	24.9	23.6	21.8	21.2	19.4	15.4	14.6		11.9	10.9		7.5	6.6		145
150	24.9	24.9	23.9	21.8	21.2	19.6	15.4	14.6	14.2	11.9	10.9		7.5	6.6		150
155		24.9	24.2		21.2	19.9	15.4	14.6	14.2	11.9	10.9		7.5	6.6		155
160		24.9	24.3		21.2	20.1		14.6	14.1		10.9		7.5	6.6		160
165		24.9	24.3		21.2	20		14.6	14.1		10.9	10.5		6.6		165
170			23.8		21.2	19.7		14.6	14.1		10.9	10.7		6.6		170
175			22.9			19.4		14.6	14.1		10.9	10.8		6.6	6.4	175
180			22			19.1			14		10.9	10.9		6.6	6.5	180
185			21.2			18.8			14			10.9		6.6	6.6	185
190						18.3			14			10.8			6.7	190
195									14			10.7			6.7	195
200												10.5			6.6	200
205															6.6	205

* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 149 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			
	N 149 ft															
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
60	37.8			35.9												60
65	37.4			35.7			33.3			30.1						65
70	36.9			35.4			33.1			30			26.5			70
75	36.5			35.1			32.8			29.8			26.3			75
80	36.1			34.8			32.6			29.7			26.3			80
85	35.8	35.5		34.5	33.7		32.4			29.5			26.2			85
90	35.4	35.1		34.3	33.7		32.2	31.3		29.4			26.1			90
95	35	34.5		34	33.6		32.1	31.4		29.3	28.2		26			95
100	34.6	34		33.8	33.3		31.9	31.4		29.2	28.3		26	25		100
105	34.3	33.5	33.4	33.6	33		31.8	31.2		29.1	28.4		25.9	25.1		105
110	34.1	33.1	32.9	33.5	32.7	31.7	31.7	31.1		29	28.4		25.9	25.2		110
115	33.8	32.6	32.2	33.3	32.4	31.9	31.6	30.9		29	28.3		25.9	25.3		115
120	33.6	32.3	31.7	33.2	32.1	31.6	31.6	30.7	29.5	29	28.2		25.9	25.2		120
125	33.3	32.1	31.3	33	31.9	31.2	31.5	30.6	29.7	29	28.1	26.4	25.9	25.1		125
130	31.4	32	30.9	32.4	31.7	30.9	31.5	30.5	29.8	29	28	26.7	25.9	25.1		130
135	28.6	32	30.7	30.5	31.7	30.6	30.8	30.4	29.6	29	28	26.9	25.9	25.1	23.5	135
140	25.7	31.3	30.5	28.3	31.7	30.4	29.7	30.3	29.4	29	28	27.1	25.9	25.1	23.7	140
145	22.6	29.2	30.4	25.5	31.2	30.2	27.8	30.3	29.2	28.9	28	27.2	25.9	25.1	24	145
150	19.2	26.5	30.2	22.3	29.6	30.1	24.8	30.2	29	27	28	27.1	25.9	25.1	24.3	150
155		23.4	29.1		27.3	30.1	21.4	29.7	29	24.2	28	27.1	25.6	25.1	24.3	155
160		18.7	26.8		24	29.8		27.8	29		28	27	24.1	25.1	24.3	160
165			23.1			28.5		24.6	28.7		27.6	27		25.1	24.3	165
170						25.3			27.6		25.1	26.4		25.1	24.3	170
175									26.4			25.4		24.9	23.8	175
180												24.4			22.9	180
185												23.5			22	185
190															21.2	190

	128 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			192 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
70	23.1			19.4												70
75	23.1															75
80	23			19.4			14.1									80
85	23			19.4			14			10.9			6.8			85
90	22.9			19.3			14			10.8			6.7			90
95	22.9			19.3			13.9			10.7			6.6			95
100	22.8			19.3			13.8			10.6			6.5			100
105	22.8			19.3			13.8			10.4			6.4			105
110	22.8	21.8		19.3			13.7			10.3			6.3			110
115	22.8	21.9		19.3	18.3		13.7			10.3			6.3			115
120	22.8	22.1		19.3	18.4		13.6	13.3		10.2			6.2			120
125	22.8	22.1		19.3	18.5		13.6	13.2		10.1	9.5		6.1			125
130	22.8	22.1		19.3	18.6		13.6	13.1		10.1	9.4		6.1			130
135	22.8	22.2		19.3	18.7		13.5	13		10	9.3		6.1	5.4		135
140	22.8	22.2	20.3	19.3	18.8		13.5	12.9		10	9.2		6	5.3		140
145	22.8	22.2	20.5	19.3	18.8		13.5	12.8		10	9.2		6	5.2		145
150	22.8	22.2	20.7	19.3	18.8	17	13.5	12.8		10	9.2		6	5.2		150
155	22.8	22.3	21	19.3	18.8	17.2	13.5	12.8		10	9.2		6	5.2		155
160	22.8	22.3	21.2	19.3	18.7	17.4	13.5	12.8	12.5	10	9.2		6	5.2		160
165		22.3	21.4	19.3	18.7	17.7	13.5	12.8	12.5	10	9.2		6	5.2		165
170		22.3	21.6		18.7	17.8		12.8	12.4	10	9.2	8.9	6	5.2		170
175		22.3	21.7		18.7	17.9		12.8	12.4		9.2	9		5.2		175
180		22.3	21.7		18.7	17.8		12.8	12.4		9.2	9.2		5.2	5.1	180
185			21		18.7	17.6		12.8	12.3		9.2	9.3		5.2	5.2	185
190			20.2			17.3			12.3		9.2	9.3		5.2	5.3	190
195			19.4			17.1			12.3			9.2		5.2	5.3	195
200						16.7			12.3			9.2			5.4	200
205									12.3			9.2			5.3	205
210												9.2			5.3	210
215												9.1			5.3	215
220															5.3	220

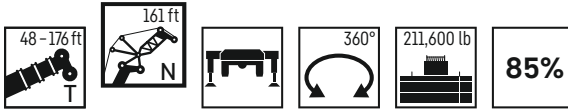
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 161 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*				
	N 161 ft																												
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°		
65	33.3			31.7																								65	
70	33			31.5			29.4			26.5																		70	
75	32.6			31.2			29.2			26.3			23.4			20.5												75	
80	32.3			31			29			26.2			23.3			20.4			17.1									80	
85	32			30.7			28.8			26.1			23.3			20.4			17.1			12.3				9.1		85	
90	31.6	31.3		30.5	29.7		28.6			26			23.2			20.3			17.1			12.3				8.9		90	
95	31.3	31.2		30.3	29.7		28.5	27.6		25.8			23.1			20.3			17			12.2				8.8		95	
100	30.9	30.7		30	29.7		28.3	27.6		25.7	24.8		23			20.2			17			12.1				8.7		100	
105	30.6	30.3		29.8	29.5		28.2	27.6		25.7	24.9		23	22.1		20.2			17			12.1				8.6		105	
110	30.3	29.8	29.4	29.7	29.3		28.1	27.6		25.6	25		23	22.2		20.2			17			12.1				8.5		110	
115	30.1	29.5	29.3	29.5	29.1		27.9	27.5		25.5	25		22.9	22.3		20.2	19.3		17			12				8.4		115	
120	29.9	29.1	28.9	29.4	28.8	27.9	27.9	27.3		25.4	24.9		22.9	22.3		20.2	19.4		17	16.2		12				8.3		120	
125	29.8	28.8	28.4	29.2	28.5	28	27.8	27.2	25.8	25.4	24.8		22.9	22.3		20.2	19.5		17	16.3		11.9	11.4			8.2		125	
130	29.7	28.6	28	29	28.3	27.9	27.7	27	26	25.3	24.7	23.1	22.9	22.3		20.2	19.6		17	16.3		11.9	11.3			8.2	7.6	130	
135	29.5	28.4	27.6	28.7	28.1	27.6	27.4	26.9	26.1	25.1	24.7	23.3	22.9	22.2		20.2	19.6		17	16.4		11.8	11.2			8.1	7.5	135	
140	27.8	28.3	27.3	28.1	28	27.3	27.2	26.9	26.1	25	24.6	23.5	22.9	22.2	20.7	20.2	19.6		17	16.5		11.8	11.1			8.1	7.4	140	
145	25.6	28.3	27.1	26.9	27.9	27.1	26.8	26.8	26.1	24.8	24.6	23.7	22.8	22.2	20.8	20.2	19.6	17.8	17	16.5		11.8	11.1			8.1	7.4	145	
150	23.2	27.7	26.9	25.4	27.9	26.9	26.3	26.7	25.9	24.7	24.6	23.9	22.8	22.2	21.1	20.2	19.6	17.9	17	16.5		11.8	11.1			8.1	7.4	150	
155	20.6	26.1	26.9	23	27.5	26.7	25.1	26.6	25.8	24.6	24.4	23.9	22.7	22.2	21.3	20.2	19.6	18.1	17	16.6	14.9	11.8	11.1			8.1	7.4	155	
160	17.8	24	26.9	20.4	26.5	26.6	22.6	26.5	25.7	24	24.3	23.8	22.7	22.2	21.5	20.2	19.6	18.3	17	16.6	15	11.8	11.1			8.1	7.4	160	
165		21.4	26.1	17.2	24.7	26.6	20	26.4	25.6	22.9	24.2	23.8	22.7	22.2	21.5	20.2	19.6	18.5	17	16.6	15.2	11.8	11.1	10.8		8.1	7.4	165	
170		18	24.4		22.1	26.5		25.1	25.6	20.3	24.2	23.8	21.8	22.2	21.5	20.2	19.6	18.7	17	16.6	15.4	11.8	11.1	10.8		8.1	7.4	170	
175			21.6			25.8		22.6	25.6		24.2	23.8		22.2	21.6		19.6	18.9	17	16.6	15.6	11.8	11.1	10.8		8.1	7.4	7.2	175
180						23.4		19	25.2		24	23.8		22.2	21.6		19.6	19		16.6	15.8		11.1	10.7		8.1	7.4	7.3	180
185										24.2		23.4		22.1	21.5		19.6	19		16.6	15.9		11.1	10.6			7.4	7.4	185
190										21.8					20.9		19.6	19		16.6	15.9		11.1	10.6			7.4	7.5	190
195												21.8			20.1			18.9		16.6	15.7		11.1	10.6			7.4	7.6	195
200															19.4			18.4			15.5		11.1	10.6			7.4	7.5	200
205																		17.7			15.4			10.6			7.4	7.5	205
210																					15.1			10.6				7.5	210
215																							10.6					7.5	215
220																							10.6					7.5	220
225																												7.5	225

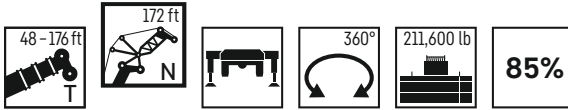
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 172 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			176 + 11 ft 6 in*			
	N 172 ft																											
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
65	29.8																											65
70	29.5			28.1			26.1																					70
75	29.2			27.9			25.9			23.5			20.8															75
80	28.9			27.6			25.7			23.4			20.8			18.1												80
85	28.6			27.4			25.6			23.3			20.7			18.1			15.1			10.7						85
90	28.3			27.2			25.4			23.1			20.6			18			15.1			10.6			7.3			90
95	28	27.6		27			25.2			23			20.6			18			15.1			10.6			7.1			95
100	27.7	27.6		26.8	26.2		25.1	24.3		22.9			20.5			17.9			15.1			10.5			7			100
105	27.4	27.3		26.6	26.3		25	24.3		22.8	22		20.4			17.9			15			10.4			6.9			105
110	27.1	27		26.4	26.1		24.8	24.3		22.7	22		20.4	19.6		17.9			15			10.3			6.8			110
115	26.8	26.6		26.3	26		24.7	24.3		22.7	22.1		20.3	19.7		17.9			15			10.2			6.8			115
120	26.7	26.3	25.9	26.1	25.7		24.6	24.2		22.6	22.1		20.3	19.7		17.8	17.1		15			10.1			6.7			120
125	26.5	25.9	25.8	25.9	25.5	24.5	24.3	24.1		22.5	22.1		20.3	19.8		17.8	17.2		15	14.2		10			6.6			125
130	26.3	25.6	25.5	25.7	25.4	24.6	24.1	24	22.7	22.4	22		20.3	19.8		17.8	17.2		15	14.3		10	9.4		6.5			130
135	26.1	25.4	25.1	25.4	25.2	24.7	23.9	23.8	22.8	22.3	22		20.3	19.7		17.8	17.3		15	14.3		9.9	9.4		6.5	5.7		135
140	25.9	25.2	24.8	25.2	25	24.6	23.7	23.7	22.9	22.2	21.9	20.5	20.3	19.7		17.8	17.3		15	14.3		9.9	9.3		6.4	5.7		140
145	25.6	25.1	24.5	25	24.9	24.4	23.4	23.5	23	22	21.8	20.6	20.2	19.7	18.1	17.8	17.3		15	14.3		9.9	9.2		6.4	5.7		145
150	24.3	25	24.3	24.5	24.8	24.2	23.2	23.3	23	21.8	21.7	20.8	20.1	19.6	18.3	17.8	17.3		15	14.3		9.9	9.2		6.4	5.7		150
155	22.8	25	24.1	23.7	24.6	24	23.1	23.1	22.9	21.7	21.6	21	20.1	19.6	18.4	17.8	17.3	15.7	15	14.3		9.9	9.2		6.4	5.8		155
160	20.9	24.5	23.9	22.9	24.4	23.8	23	22.9	22.8	21.6	21.5	21.1	20	19.6	18.6	17.8	17.3	15.8	15	14.3		9.9	9.2		6.4	5.9		160
165	18.7	23.3	23.9	20.8	24	23.7	22.4	22.7	22.7	21.5	21.4	21.1	19.9	19.6	18.8	17.8	17.3	16	15	14.3	13.1	9.9	9.2		6.4	6		165
170	16.3	21.7	23.8	18.6	23.5	23.7	21	22.6	22.6	21.2	21.2	21.1	19.9	19.6	18.9	17.8	17.3	16.2	15	14.3	13.2	9.9	9.2	9.1	6.4	6.1		170
175		19.5	23.3	16.1	22.4	23.7	19.1	22.5	22.4	20.6	21.1	21	19.9	19.5	19	17.8	17.3	16.4	15	14.3	13.4	9.9	9.2	9.2	6.4	6.2		175
180		16.9	22.1		20.2	23.7		22.2	22.3	18.6	21.1	20.9	19.5	19.4	19	17.8	17.3	16.6	15	14.3	13.6	9.9	9.2	9.2	6.4	6.3	5.7	180
185			19.9		17.4	23.2		21.3	22.2		21.1	20.8		19.4	19	17.8	17.3	16.7	15	14.3	13.7	9.9	9.2	9.2	6.4	6.4	5.8	185
190			16.5			21.4		18.8	22.2		21.1	20.7		19.4	19		17.3	16.8		14.3	13.9	9.9	9.2	9.2	6.4	6.5	5.9	190
195						18.4			22.2		19	20.7		19.4	19		17.3	16.8		14.3	14.1		9.2	9.2		6.5	6	195
200									21.1			20.7		19.3	19		17.3	16.8		14.3	14.1		9.2	9.2		6.4	6.1	200
205												20			18.4			16.8		14.3	14.1		9.2	9.2		6.4	6.2	205
210															17.7			16.7			14		9.2	9.2		6.4	6.4	210
215																		16.2			13.9			9.2		6.4	6.5	215
220																		15.6			13.7			9.2			6.4	220
225																					13.2			9.2			6.4	225
230																							9.2				6.4	230
235																											6.4	235

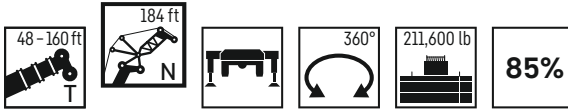
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 184 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			1128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			
	N 184 ft																								
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
70	26.1																								70
75	25.9			24.7			23																		75
80	25.6			24.5			22.9			20.8			18.4												80
85	25.3			24.3			22.7			20.6			18.3			15.9									85
90	25.1			24.1			22.6			20.5			18.3			15.9			13.2			8.9			90
95	24.8			23.9			22.4			20.4			18.2			15.9			13.2			8.8			95
100	24.6	24.1		23.7			22.3			20.3			18.1			15.8			13.2			8.7			100
105	24.3	24.1		23.5	23		22.2	21.5		20.2			18.1			15.8			13.2			8.6			105
110	24	24		23.3	23		22	21.5		20.1			18			15.8			13.1			8.5			110
115	23.7	23.8		23	22.9		21.8	21.5		20.1	19.4		18	17.3		15.7			13.1			8.4			115
120	23.4	23.5		22.7	22.8		21.7	21.5		20	19.5		17.9	17.3		15.7			13			8.3			120
125	23.1	23.2	22.6	22.5	22.6		21.5	21.4		19.9	19.5		17.9	17.4		15.7	15		12.9			8.2			125
130	22.9	22.9	22.6	22.2	22.4	21.4	21.3	21.3		19.8	19.5		17.9	17.4		15.7	15		12.9	12		8.2			130
135	22.6	22.7	22.5	22	22.1	21.4	21	21.1		19.7	19.4		17.8	17.4		15.7	15.1		12.8	12		8.1	7.4		135
140	22.3	22.4	22.2	21.7	21.8	21.5	20.8	20.9	19.9	19.5	19.4		17.8	17.4		15.7	15.1		12.7	12		8.1	7.4		140
145	22.1	22.1	21.9	21.4	21.6	21.5	20.6	20.7	20	19.3	19.3	17.9	17.7	17.3		15.7	15.2		12.7	12		8.1	7.4		145
150	21.8	21.9	21.7	21.2	21.3	21.4	20.4	20.5	20.1	19.1	19.1	18	17.7	17.3	15.8	15.7	15.2		12.7	12.1		8.1	7.5		150
155	21.6	21.6	21.5	21	21.1	21.2	20.2	20.2	20.2	19	19	18.1	17.5	17.3	16	15.7	15.1		12.7	12.2		8.1	7.5		155
160	21.2	21.5	21.3	20.8	20.8	21	20	20	20.1	18.8	18.9	18.3	17.4	17.2	16.1	15.7	15.1	13.7	12.7	12.3		8.1	7.6		160
165	20.8	21.3	21.1	20.7	20.6	20.7	19.9	19.8	19.9	18.6	18.7	18.5	17.3	17.1	16.2	15.6	15.1	13.8	12.7	12.4		8.1	7.7		165
170	19.7	21.1	21	20.6	20.5	20.5	19.8	19.7	19.7	18.5	18.5	18.5	17.2	17.1	16.4	15.6	15.1	13.9	12.7	12.6	11.3	8.1	7.8		170
175	17.7	21	20.9	19.2	20.3	20.3	19.4	19.5	19.5	18.5	18.4	18.3	17.1	17	16.5	15.5	15.1	14.1	12.7	12.7	11.4	8.1	7.9		175
180	15.6	20.4	20.8	17.6	20.3	20.2	18.6	19.4	19.4	18.4	18.2	18.2	17	16.9	16.6	15.5	15.1	14.2	12.7	12.7	11.6	8.1	8	7.5	180
185	13	18.5	20.8	15.6	19.9	20	17.4	19.4	19.2	18.3	18.1	18.1	17	16.8	16.6	15.4	15.1	14.4	12.7	12.8	11.7	8.1	8	7.6	185
190		16.2	20.4		19	20	15.2	19.3	19.1	17	18.1	18	17	16.7	16.6	15.4	15.1	14.6	12.7	12.8	11.9	8.1	8.1	7.7	190
195			18.9		16.9	20		19.1	19.1		18.1	17.9	16	16.7	16.5	15.3	15.1	14.7	12.7	12.7	12	8.1	8.1	7.7	195
200			16.5			19.7		17.3	19.1		18.1	17.8		16.7	16.5		15.1	14.8		12.7	12.2	8.1	8.1	7.7	200
205						18			19.1		17.3	17.8		16.7	16.4		15.1	14.8		12.7	12.4		8.1	7.7	205
210									18.8			17.8		16.7	16.4		15.1	14.8		12.7	12.5		8.1	7.8	210
215												17.8			16.4		15.1	14.8		12.7	12.5		8.1	7.8	215
220															16.1			14.9			12.4		8.1	7.8	220
225															15.6			14.7			12.2			7.8	225
230																		14.1			12.2			7.9	230
235																				11.8				7.9	235
240																							8		240

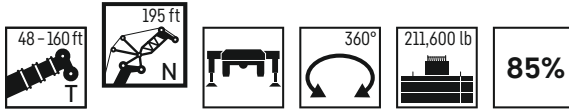
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 195 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			1128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			160 + 11 ft 6 in*			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
75	22.9			21.8																				75	
80	22.6			21.6			20.2			18.3														80	
85	22.4			21.4			20.1			18.2			16.2											85	
90	22.2			21.3			19.9			18.1			16.1			14			11.5					90	
95	22			21.1			19.8			18			16.1			14			11.5			7.3		95	
100	21.8			20.9			19.7			17.9			16			13.9			11.6			7.2		100	
105	21.5	21		20.7			19.5			17.9			15.9			13.9			11.5			7.1		105	
110	21.3	21		20.6	20.1		19.4			17.8			15.9			13.9			11.4			7		110	
115	21	20.9		20.4	20.1		19.3	18.8		17.7			15.8			13.8			11.3			6.9		115	
120	20.7	20.8		20.1	20		19.1	18.8		17.6	17		15.8			13.8			11.2			6.8		120	
125	20.3	20.5		19.8	20		18.9	18.8		17.5	17.1		15.7	15.2		13.8			11.1			6.7		125	
130	20.1	20.2	19.6	19.5	19.7		18.7	18.8		17.4	17.1		15.7	15.2		13.7	13.1		11			6.6		130	
135	19.8	20	19.6	19.3	19.4		18.5	18.6		17.3	17.1		15.6	15.3		13.7	13.2		11	10.2		6.6		135	
140	19.6	19.7	19.6	19.1	19.2	18.7	18.3	18.4		17.2	17		15.6	15.3		13.7	13.2		10.9	10.2		6.6	6	140	
145	19.3	19.4	19.6	18.8	19	18.7	18.1	18.2	17.3	17	17		15.5	15.3		13.7	13.3		10.9	10.2		6.5	6	145	
150	19.1	19.2	19.3	18.6	18.7	18.7	17.9	18	17.4	16.8	16.9	15.6	15.5	15.2		13.7	13.3		10.9	10.3		6.5	6	150	
155	18.9	18.9	19.1	18.4	18.5	18.6	17.7	17.8	17.5	16.6	16.7	15.7	15.4	15.2		13.7	13.2		10.9	10.3		6.5	6	155	
160	18.7	18.7	18.8	18.2	18.3	18.4	17.5	17.6	17.5	16.5	16.6	15.7	15.3	15.1	13.9	13.7	13.2		10.9	10.4		6.5	6.1	160	
165	18.5	18.5	18.6	18	18.1	18.2	17.3	17.4	17.5	16.3	16.4	15.9	15.1	15.1	14	13.7	13.2	11.9	10.9	10.5		6.5	6.2	165	
170	18.4	18.3	18.4	17.8	17.9	17.9	17.1	17.2	17.3	16.2	16.3	16	15	15	14.1	13.6	13.2	12	10.9	10.6		6.5	6.3	170	
175	18.2	18.2	18.2	17.7	17.7	17.7	17	17	17.1	16	16.1	16.1	14.9	14.9	14.2	13.5	13.2	12.1	10.9	10.8	9.8	6.5	6.4	175	
180	17.5	18.1	18	17.6	17.6	17.6	16.9	16.9	16.9	16	15.9	16	14.8	14.7	14.3	13.5	13.2	12.2	10.9	10.9	9.9	6.5	6.5	180	
185	16	18	17.9	16.8	17.4	17.4	16.7	16.7	16.8	15.9	15.8	15.8	14.8	14.6	14.4	13.4	13.2	12.3	10.9	10.9	10	6.5	6.6	6.1	185
190	14.3	17.6	17.8	15.9	17.3	17.3	16.4	16.6	16.6	15.9	15.7	15.7	14.7	14.5	14.4	13.4	13.2	12.5	10.9	11	10.1	6.5	6.6	6.2	190
195	12.2	16.6	17.7	14.3	17.2	17.2	15.8	16.6	16.5	15.9	15.6	15.6	14.7	14.5	14.4	13.3	13.2	12.6	10.9	11.1	10.2	6.5	6.5	6.3	195
200		15	17.6		16.9	17.1	14.1	16.6	16.4	15.2	15.6	15.4	14.7	14.4	14.3	13.3	13.1	12.8	10.9	11.1	10.3	6.5	6.5	6.4	200
205		12.4	17.1		15.6	17.1		16.6	16.3		15.5	15.4	14.4	14.4	14.2	13.3	13.1	12.9	10.9	11.1	10.5	6.5	6.5	6.5	205
210			15.4			17.1		15.7	16.3		15.5	15.3		14.4	14.2		13.1	12.8	10.9	11	10.7	6.5	6.5	6.6	210
215						16.5			16.3		15.4	15.3		14.4	14.2		13.1	12.8		11	10.8		6.5	6.5	215
220									16.3			15.3		14.4	14.1		13.1	12.8		11	10.9		6.5	6.5	220
225									15.1			15.3			14.1		13.1	12.8		11	11		6.5	6.5	225
230												15.3			14.1			12.8		11	11		6.5	6.5	230
235														14.1				12.8			11		6.5	6.5	235
240																		12.8			10.9		6.5	6.5	240
245																				10.7			6.5	6.5	245
250																							6.5	6.5	250
255																							6.5	6.5	255

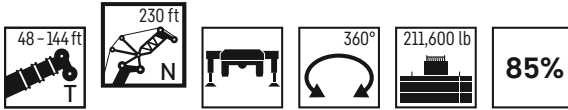
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 230 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			1128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			
	N 230 ft																					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
80	20.2			19.2																		80
85	20			19.1			17.8			16.1												85
90	19.8			18.9			17.7			16			14.2			12.1						90
95	19.6			18.7			17.5			15.9			14.1			12.1			9.8			95
100	19.4			18.6			17.4			15.8			14.1			12.1			9.8			100
105	19.1			18.4			17.3			15.8			14			12.1			9.7			105
110	18.9	18.5		18.2			17.2			15.7			14			12.1			9.6			110
115	18.6	18.4		18.1	17.7		17.1			15.6			13.9			12.1			9.4			115
120	18.4	18.4		17.8	17.6		16.9	16.5		15.5			13.9			12			9.3			120
125	18.1	18.2		17.6	17.6		16.7	16.5		15.4	14.9		13.8			12			9.3			125
130	17.8	18		17.3	17.5		16.5	16.5		15.3	14.9		13.7	13.3		12			9.2			130
135	17.5	17.7	17.1	17.1	17.3		16.3	16.5		15.2	15		13.7	13.3		11.9	11.3		9.2			135
140	17.3	17.4	17.1	16.8	17		16.1	16.3		15.1	15		13.7	13.3		11.9	11.3		9.2	8.4		140
145	17	17.2	17.1	16.6	16.8	16.2	15.9	16.1		15	14.9		13.6	13.3		11.9	11.4		9.2	8.4		145
150	16.8	16.9	17.1	16.4	16.5	16.3	15.7	15.9	15.1	14.8	14.9		13.5	13.3		11.8	11.4		9.2	8.5		150
155	16.6	16.7	16.9	16.1	16.3	16.3	15.5	15.7	15.1	14.6	14.7		13.4	13.2		11.8	11.4		9.2	8.5		155
160	16.4	16.5	16.6	15.9	16	16.2	15.3	15.4	15.2	14.4	14.6	13.6	13.3	13.2		11.8	11.5		9.2	8.6		160
165	16.2	16.2	16.4	15.7	15.8	16	15.1	15.2	15.2	14.2	14.4	13.7	13.2	13.1	12	11.8	11.5		9.2	8.7		165
170	16	16	16.1	15.6	15.6	15.8	15	15.1	15.1	14.1	14.2	13.7	13	13	12.1	11.8	11.4		9.2	8.7		170
175	15.8	15.8	15.9	15.4	15.4	15.6	14.8	14.9	15	13.9	14	13.8	12.9	12.9	12.2	11.7	11.4	10.3	9.2	8.8		175
180	15.7	15.7	15.7	15.3	15.3	15.4	14.7	14.7	14.8	13.8	13.9	13.8	12.8	12.8	12.3	11.6	11.4	10.4	9.2	8.9	8.2	180
185	15.6	15.5	15.6	15.2	15.2	15.2	14.6	14.5	14.6	13.7	13.7	13.7	12.7	12.7	12.4	11.5	11.4	10.5	9.2	9.1	8.3	185
190	15.1	15.4	15.4	15	15	15	14.5	14.4	14.5	13.7	13.6	13.6	12.6	12.6	12.4	11.4	11.4	10.6	9.2	9.2	8.4	190
195	14	15.3	15.3	14.6	14.9	14.9	14.4	14.3	14.3	13.6	13.5	13.5	12.6	12.5	12.4	11.4	11.3	10.7	9.2	9.2	8.5	195
200	12.9	15.2	15.2	14.1	14.8	14.8	14.4	14.2	14.2	13.6	13.4	13.4	12.5	12.4	12.4	11.4	11.3	10.8	9.2	9.3	8.6	200
205	11.2	14.6	15.2	13	14.8	14.7	14.1	14.2	14.1	13.6	13.4	13.3	12.5	12.3	12.3	11.4	11.2	10.9	9.2	9.4	8.7	205
210		13.7	15.1	11.3	14.8	14.7	12.7	14.2	14	13.3	13.3	13.2	12.5	12.3	12.2	11.4	11.2	11	9.2	9.3	8.8	210
215		11.6	15		14.1	14.6		14.2	14	12.2	13.3	13.2	12.3	12.3	12.2	11.3	11.1	11	9.2	9.3	9	215
220			14.1			14.6		13.8	14		13.3	13.1		12.3	12.1	10.8	11.1	11	9.1	9.3	9.2	220
225						14.4		12.4	13.9		13.3	13.1		12.3	12.1		11.1	10.9		9.3	9.3	225
230									13.9			13.1		12.3	12		11.1	10.9		9.3	9.3	230
235									13.8			13.1			12		11.1	10.9		9.3	9.3	235
240												13.1			12			10.9		9.3	9.3	240
245															12			10.9			9.3	245
250																		10.9			9.3	250
255																					9.3	255
260																					9.2	260

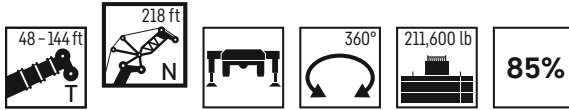
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 218 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			1128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			
	N 218 ft																					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
80	17.9																					80
85	17.8			17			15.7															85
90	17.7			16.9			15.7			14.2			12.3									90
95	17.5			16.7			15.6			14.1			12.3			10.4						95
100	17.3			16.6			15.5			14			12.3			10.4			8.1			100
105	17.1			16.4			15.4			14			12.2			10.4			8			105
110	16.9			16.3			15.3			13.9			12.2			10.4			7.9			110
115	16.7	16.4		16.1			15.2			13.8			12.2			10.4			7.8			115
120	16.4	16.3		15.9	15.6		15.1			13.7			12.2			10.4			7.6			120
125	16.2	16.2		15.7	15.6		15	14.5		13.6			12.1			10.4			7.6			125
130	16	16.1		15.5	15.5		14.8	14.5		13.6	13.1		12.1			10.3			7.5			130
135	15.7	15.8		15.3	15.4		14.6	14.5		13.5	13.1		12	11.5		10.3			7.4			135
140	15.4	15.6		15	15.2		14.4	14.5		13.3	13.1		12	11.5		10.3	9.8		7.4			140
145	15.2	15.4	15.1	14.8	15		14.2	14.4		13.2	13.1		12	11.6		10.3	9.9		7.4	6.8		145
150	15	15.1	15.1	14.6	14.7	14.2	14	14.2		13.1	13.1		11.9	11.6		10.3	9.9		7.4	6.8		150
155	14.8	14.9	15	14.4	14.5	14.3	13.8	14	13.2	13	13		11.9	11.5		10.3	9.9		7.4	6.9		155
160	14.6	14.7	14.8	14.2	14.3	14.3	13.6	13.8	13.2	12.8	12.9		11.7	11.5		10.2	9.9		7.4	7		160
165	14.4	14.5	14.6	14	14.1	14.2	13.4	13.6	13.3	12.6	12.7	11.9	11.6	11.5		10.2	9.9		7.4	7		165
170	14.2	14.3	14.4	13.8	13.9	14	13.2	13.3	13.3	12.4	12.6	11.9	11.5	11.4	10.4	10.2	9.9		7.4	7.1		170
175	14	14.1	14.2	13.7	13.7	13.8	13.1	13.1	13.2	12.3	12.4	12	11.3	11.3	10.5	10.2	9.9		7.4	7.2		175
180	13.8	13.9	14	13.5	13.5	13.6	13	13	13.1	12.2	12.2	12	11.2	11.2	10.6	10.1	9.9	8.8	7.4	7.3		180
185	13.7	13.7	13.8	13.3	13.4	13.4	12.8	12.8	13	12.1	12.1	12	11.2	11.2	10.6	10.1	9.9	8.8	7.4	7.3		185
190	13.6	13.6	13.6	13.2	13.2	13.3	12.7	12.7	12.8	11.9	12	12	11.1	11.1	10.7	10	9.9	8.9	7.4	7.4	7	190
195	13.5	13.5	13.5	13.1	13.1	13.1	12.6	12.6	12.7	11.9	11.9	11.9	11	11	10.8	9.9	9.8	9	7.4	7.5	7.1	195
200	13.2	13.4	13.4	13.1	13	13	12.5	12.5	12.5	11.8	11.8	11.8	10.9	10.9	10.8	9.9	9.8	9.1	7.4	7.6	7.2	200
205	12.4	13.3	13.3	12.8	12.9	12.9	12.5	12.4	12.4	11.8	11.7	11.7	10.9	10.8	10.8	9.8	9.7	9.3	7.4	7.6	7.3	205
210	11.5	13.2	13.2	12.5	12.8	12.8	12.5	12.3	12.3	11.7	11.6	11.6	10.9	10.7	10.7	9.8	9.7	9.4	7.4	7.5	7.3	210
215	10.2	12.8	13.1	11.7	12.8	12.7	12.4	12.3	12.2	11.7	11.5	11.5	10.9	10.6	10.6	9.8	9.6	9.4	7.4	7.5	7.4	215
220		12.4	13.1	10.2	12.8	12.7	11.5	12.2	12.1	11.6	11.5	11.4	10.8	10.6	10.6	9.7	9.6	9.5	7.4	7.5	7.5	220
225		10.6	13.1		12.5	12.6		12.2	12.1	11.1	11.5	11.4	10.5	10.6	10.5	9.5	9.6	9.5	7.4	7.5	7.5	225
230			12.7		11.2	12.6		12.2	12.1		11.5	11.3		10.6	10.4	9	9.6	9.4	7.4	7.5	7.6	230
235			10.7			12.6		11.4	12		11.5	11.3		10.6	10.4		9.6	9.4		7.5	7.5	235
240						12			12		11.3	11.3		10.6	10.4		9.6	9.3		7.5	7.5	240
245									12			11.3		10.6	10.3		9.6	9.3		7.5	7.5	245
250												11.3			10.3			9.3		7.5	7.5	250
255															10.3			9.3			7.5	255
260																		9.3			7.5	260
265																		9.3			7.5	265
270																					7.5	270

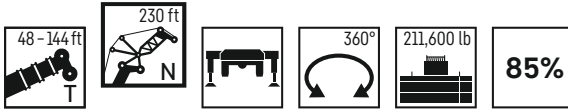
* adapter - pièce d'adaptateur

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Lifting capacities

Forces de levage

TN 230 ft



	48 + 11 ft 6 in*			64 + 11 ft 6 in*			80 + 11 ft 6 in*			96 + 11 ft 6 in*			112 + 11 ft 6 in*			1128 12 + 11 ft 6 in*			144 + 11 ft 6 in*			
	N 230 ft																					
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
85	15.8																					85
90	15.6			14.9			13.7															90
95	15.5			14.7			13.7			12.2			10.5									95
100	15.3			14.6			13.6			12.1			10.5			8.8			6.5			100
105	15.1			14.5			13.5			12.1			10.4			8.8			6.4			105
110	14.9			14.3			13.4			12			10.4			8.8			6.2			110
115	14.7			14.2			13.3			12			10.4			8.7			6.1			115
120	14.5	14.2		14			13.2			11.9			10.4			8.7			6			120
125	14.2	14.2		13.8	13.5		13.1			11.9			10.3			8.7			5.9			125
130	14	14.1		13.6	13.5		13	12.6		11.8			10.3			8.7			5.9			130
135	13.8	13.9		13.4	13.4		12.8	12.6		11.7	11.3		10.3			8.6			5.9			135
140	13.5	13.7		13.1	13.3		12.6	12.5		11.6	11.2		10.3	9.9		8.6			5.8			140
145	13.3	13.4		12.9	13.1		12.4	12.5		11.5	11.2		10.2	9.9		8.6	8.2		5.8			145
150	13	13.2	13	12.7	12.9		12.2	12.4		11.4	11.2		10.2	9.9		8.6	8.2		5.8	5.3		150
155	12.8	13	13	12.5	12.7	12.3	12	12.2		11.2	11.2		10.2	9.9		8.6	8.3		5.8	5.3		155
160	12.5	12.7	12.9	12.2	12.4	12.3	11.8	12		11.1	11.1		10.1	9.9		8.6	8.3		5.8	5.4		160
165	12.2	12.4	12.7	12	12.2	12.3	11.6	11.8	11.3	10.9	11		10.1	9.9		8.6	8.4		5.8	5.4		165
170	12	12.2	12.4	11.7	12	12.2	11.4	11.6	11.4	10.8	10.9	10.1	9.9	9.8		8.6	8.4		5.8	5.5		170
175	11.7	11.9	12.2	11.5	11.7	12	11.2	11.4	11.4	10.6	10.7	10.2	9.8	9.7		8.6	8.4		5.8	5.5		175
180	11.5	11.7	11.9	11.3	11.5	11.8	11	11.2	11.4	10.4	10.6	10.2	9.6	9.6	8.8	8.6	8.4		5.8	5.6		180
185	11.3	11.5	11.7	11.1	11.3	11.5	10.8	11	11.2	10.3	10.4	10.2	9.5	9.5	8.9	8.5	8.4	7.3	5.8	5.7		185
190	11.1	11.3	11.4	10.9	11.1	11.3	10.6	10.8	11.1	10.1	10.3	10.2	9.4	9.4	9	8.4	8.4	7.4	5.8	5.7		190
195	11	11.1	11.2	10.7	10.9	11.1	10.4	10.6	10.9	9.9	10.1	10.2	9.3	9.3	9	8.4	8.3	7.4	5.8	5.8	5.5	195
200	10.9	10.9	11	10.6	10.7	10.9	10.3	10.4	10.7	9.8	9.9	10.1	9.1	9.2	9.1	8.3	8.3	7.5	5.8	5.9	5.6	200
205	10.7	10.8	10.9	10.5	10.6	10.7	10.2	10.3	10.5	9.7	9.8	9.9	9	9.1	9.1	8.2	8.2	7.6	5.8	6	5.7	205
210	10.5	10.6	10.7	10.4	10.4	10.5	10	10.1	10.3	9.6	9.7	9.8	8.9	9	9.1	8.2	8.2	7.7	5.8	6	5.8	210
215	10.3	10.5	10.6	10.3	10.3	10.4	10	10	10.1	9.5	9.5	9.7	8.9	8.9	9	8.1	8.1	7.8	5.8	6	5.8	215
220	10	10.4	10.4	10.3	10.2	10.2	9.9	9.9	10	9.5	9.4	9.6	8.8	8.8	8.9	8.1	8	7.8	5.8	6	5.9	220
225	9	10.4	10.4	10	10.1	10.1	9.9	9.8	9.9	9.4	9.3	9.4	8.8	8.7	8.8	8	8	7.8	5.8	6	6	225
230	7.7	10.4	10.3	9	10.1	10	9.5	9.7	9.7	9.4	9.3	9.3	8.8	8.7	8.7	7.9	7.9	7.8	5.8	6	6	230
235		9.4	10.3		10.1	10	8.7	9.7	9.7	9.4	9.2	9.2	8.6	8.6	8.6	7.8	7.9	7.8	5.8	6	6	235
240			10.3		9.6	10		9.7	9.6		9.2	9.1	8	8.6	8.6	7.3	7.9	7.8	5.8	6	6	240
245			9.7			10		9.7	9.6		9.2	9.1		8.6	8.5		7.8	7.7		6	6	245
250						10			9.6		9.2	9.1		8.6	8.4		7.8	7.7		6	6	250
255									9.6			9		8.6	8.4		7.8	7.7		6	6	255
260												9			8.4		7.8	7.7		6	6	260
265												9			8.4			7.6		6	6	265
270															8.4			7.6		6	6	270
275																		7.6			6	275
280																					6	280

* adapter - pièce d'adaptateur

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Equipment



Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained 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	8-cylinder Diesel, make Liebherr, watercooled, output 455 kW (619 h.p.), max. torque 2263 lb-ft. Exhaust emissions to (EU 2016/1628 and EPA/CARB or ECE-R.96, spark arrestor. Fuel reservoir: 211 gallons.
Transmission	Automatic transmission system with torque converter and intarder, make ZF with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
Axles	Low maintenance carrier axles, all 6 axles steered. Axle 1, 3 and 5 are equipped with planetary gears, all driven axles with transverse differential locks, axle 3 with longitudinal differential lock.
Cardan shaft	All cardan shafts with 70° diagonal toothing and maintenance free.
Suspension	All axles are hydro-pneumatically suspended with automatic leveling. Suspension hydraulically lockable.
Tyres	12 tyres, all axles equipped with single 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. Hand brake: Spring-loaded, acting on all wheels of axles 2 to 6. Additional brakes: exhaust flap brake, Telma Eddy current brake (optional), intarder in gearbox.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC.



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	Two self-centering control levers (joy-sticks). Pedal switches for telescoping. Infinitely variable crane motions through displacement control of the hydraulic pumps. Additional working speed control by variation of the Diesel engine speed.
Hoist gear	Axial piston variable displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.
Luffing gear	1 differential hydraulic ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Actuation by closed regulated oil circuit.
Crane cab	Large screen area, compound glass, comfort furnishing, cabin tilttable 20° to rear.
Safety devices	LICCON2 safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.
Telescopic boom	123,500 lb
Counterweight	1 base section and 6 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 48 ft to 256 ft.

Additional equipment

K	Integrated assembly jib of 18 ft (option) Swing away jib 41 ft – 115 ft Adjustment 0°; 20°; 40°
NZK	Hydraulically adjustable swing-away jib 41 ft – 115 ft Hydraulically adjustment 0° – 40°
F	Fixed lattice jib 46 ft – 138 ft Adjustment 0°; 20°; 40°
N	Luffing fly jib 57 ft – 230 ft
2nd hoist gear	For 2-hook operation or for operating the luffing lattice jib.
Tyres	12 tyres, size 525/80 R 25 (20.5 R 25).
Drive 12 x 8	The 4 th axle is driven additionally.
Additional counterweight	4 additional counterweight slabs of 22,050 lb each for a total counterweight of 211,600 lb.

Other items of equipment available on request.

Equipment



Châssis porteur

Cadre	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
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, 8 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 455 kW (619 ch), couple max. 2263 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: 211 gallons.
Boîte de vitesse	Boîte automatique avec convertisseur de couple et ralentisseur, marque ZF avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
Essieux	Essieux nécessitant peu d'entretien, les 6 essieux sont directeurs. Les essieux 1, 3 et 5 sont des essieux planétaires, tous les essieux moteurs avec différentiel transversal et l'essieu 3 avec différentiel longitudinal.
Arbres articulés	Tous les flasques de croisillons avec denture en croix 70° et sans entretien.
Suspension	Tous les essieux sont à suspension hydropneumatique avec mise à niveau automatique. Suspension blocable hydrauliquement.
Pneumatiques	12 roues à monte simple. 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 de secours et frein à main: par cylindres à ressorts sur les essieux 2 à 6. 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 silentblocks, 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	2 leviers à 4 directions avec rappel automatique au point mort. Commande des mouvements progressive en continu par variation de l'inclinaison des pompes et augmentation du régime moteur.
Mécanisme de levage	Moteur hydraulique à cylindrée variable, treuil avec réducteur planétaire à frein d'arrêt à lamelles intégrées, en circuit hydraulique ferme.
Mécanisme de relevage	1 vérin hydraulique différentiel avec clapet anti-retour de sécurité.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort en circuit hydraulique ferme.
Cabine de grue	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable. Cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge LICCON2, système test, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Contrepoids	123,500 lb
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: 48 ft – 256 ft.

Equipment supplémentaire

K	Integree de 18 ft de long (en option) Flechette pliante 41 ft – 115 ft Positionnement 0°; 20°; 40°
NZK	Flechette pliante a positionnement hydraulique 41 ft – 115 ft Positionnement hydraulique à 0° – 40°
F	Flechette treillis fixe 46 ft – 138 ft Positionnement 0°; 20°; 40°
N	Fléchette treillis à volée variable 57 ft – 230 ft
2ème mécanisme de levage	Pour le travail avec 2 crochets ou le relevage de la fléchette à volée variable.
Pneumatiques	12 pneus. Taille 525/80 R 25 (20.5 R 25).
Entraînement 12 x 8	Le 4ème essieu est également entraîné.
Contrepoids additionnel	4 blocs latéraux de suspension de 22,050 lb pour un contrepoids total de 211,600 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		Swing away jib Fléchette pliante
	Max. radius Portée max.		Crane superstructure Partie tournante de la grue		Hydraulic swing away jib Fléchette pliante hydraulique
	Tyres Pneumatiques		infinitely variable en continu		Fixed lattice jib Fléchette treillis fixe
	Hookblock/Capacity Moufle à crochet/Capacité de charge		Rope diameter Diamètre		Luffing fly jib Fléchette treillis à volée variable
	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 graver 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		
	Driving speed - Crawl speed Vitesse de translation - 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 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 298,600 lb/410,000 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 298,600 lb/410,000 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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Liebherr-Werk Ehingen GmbH · Postfach 1361 · 89582 Ehingen, Germany
Phone +49 73 91 5 02-0 · www.liebherr.com

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