

Compact mobile crane / Grue mobile compacte

LTC 1050-3.1



LIEBHERR

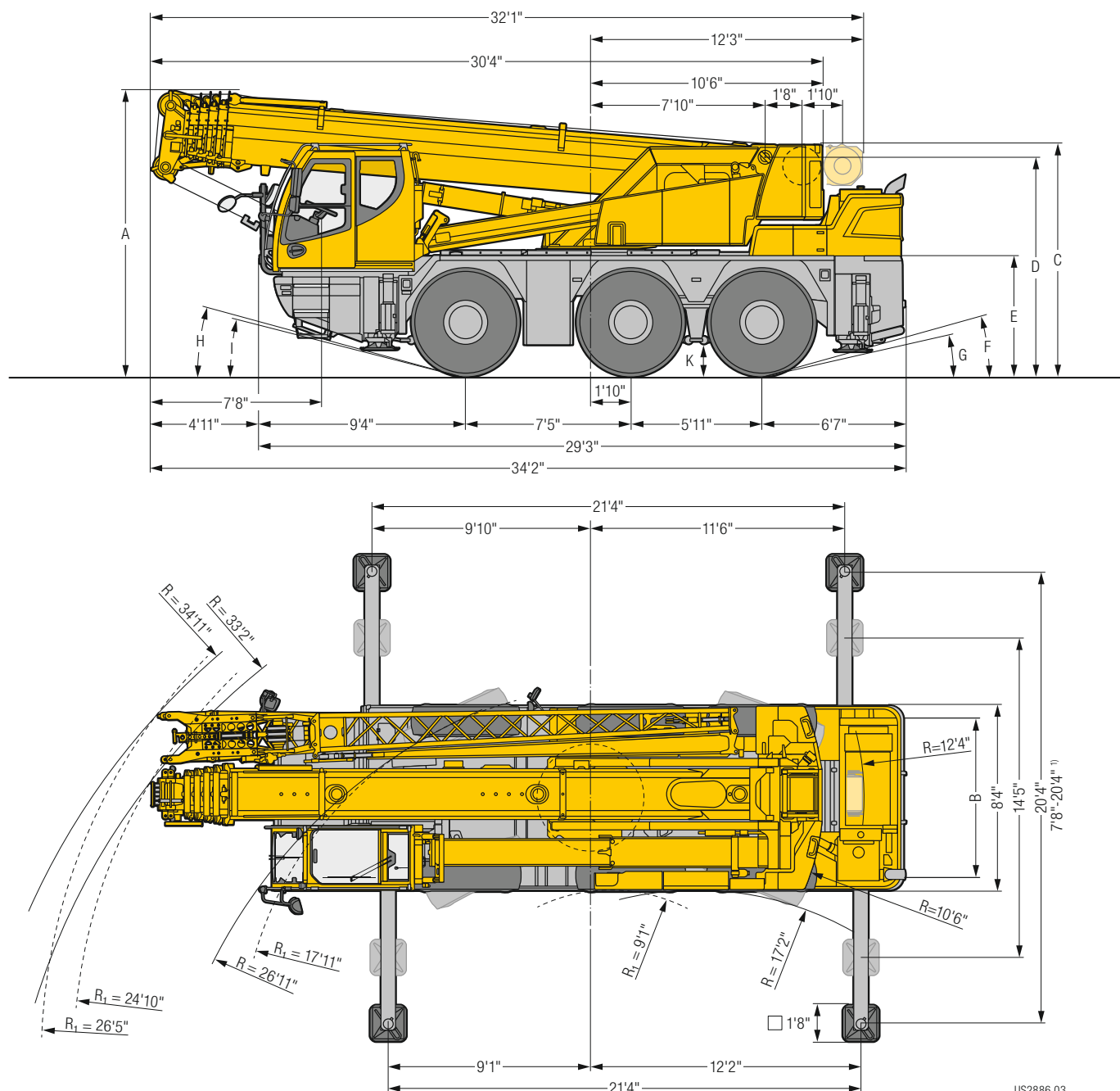
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Dimensions - Operating on road Encombrement - Déplacement sur route



US2886.03

¹⁾ only with VarioBase® · seulement avec VarioBase®

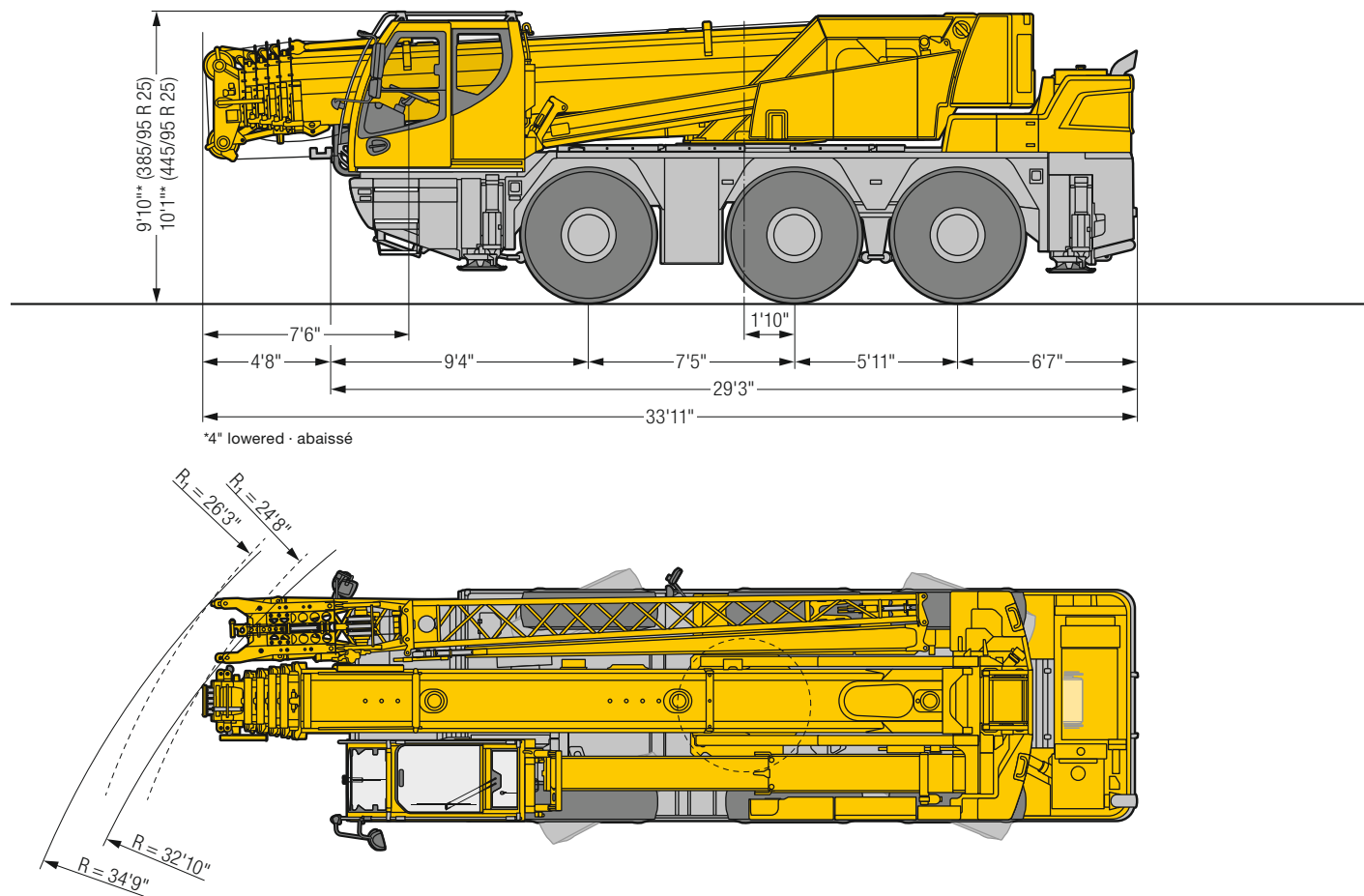
Dimensions/Encombrement

	A	A 0'4" ²⁾	B	C	D	E	F	G	H	I	K
385/95 R 25 (14.00 R 25)	12'7"	12'3"	7'1"	10'5"	9'7"	5'2"	13°	10°	14°	11°	1'2"
445/95 R 25 (16.00 R 25)	12'9"	12'5"	6'11"	10'7"	9'9"	5'4"	15°	12°	15°	13°	1'4"

²⁾ lowered · abaissé

Dimensions - Lowest clearance

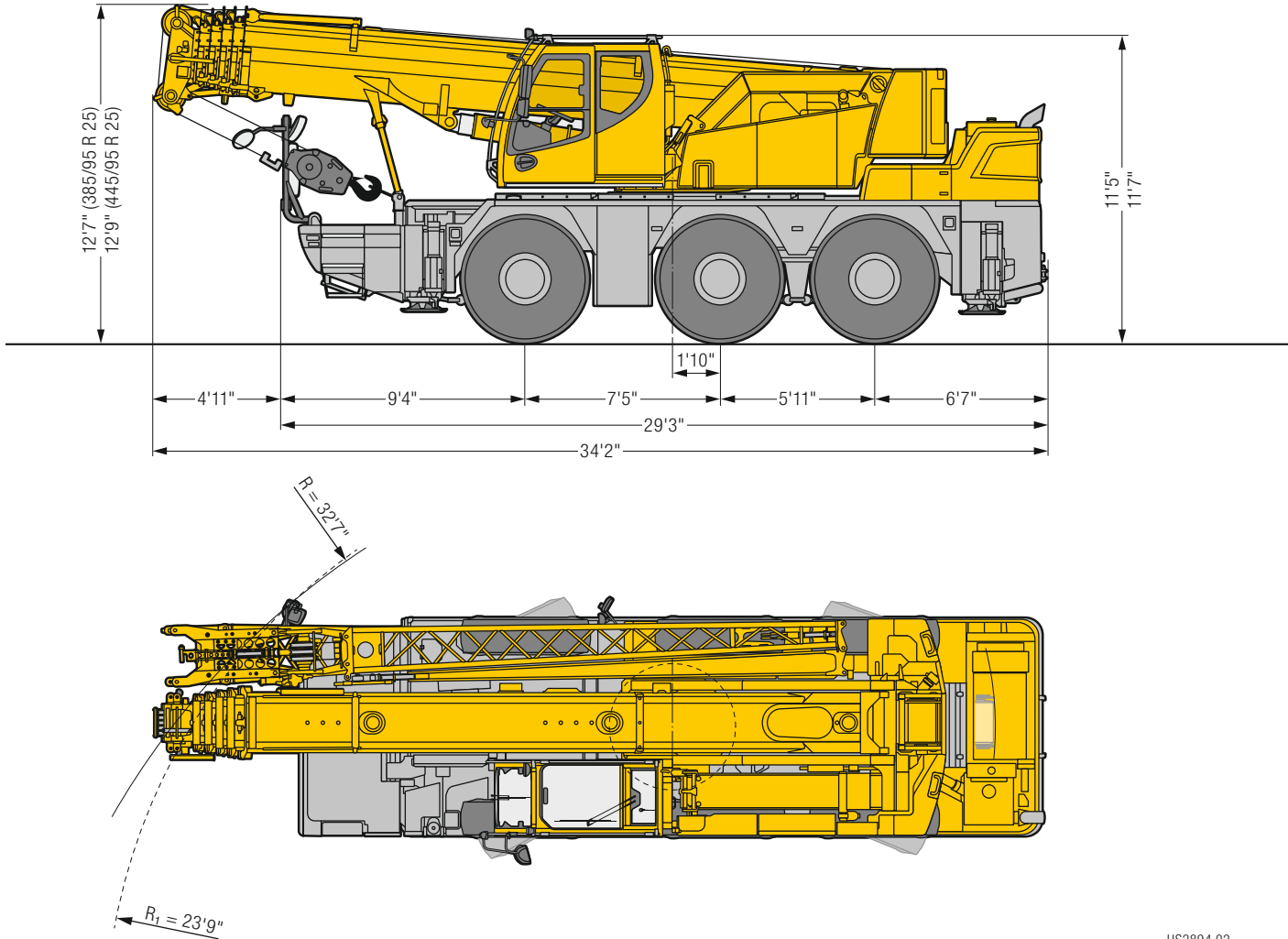
Encombrement - Faible hauteur de passage



US2900.03

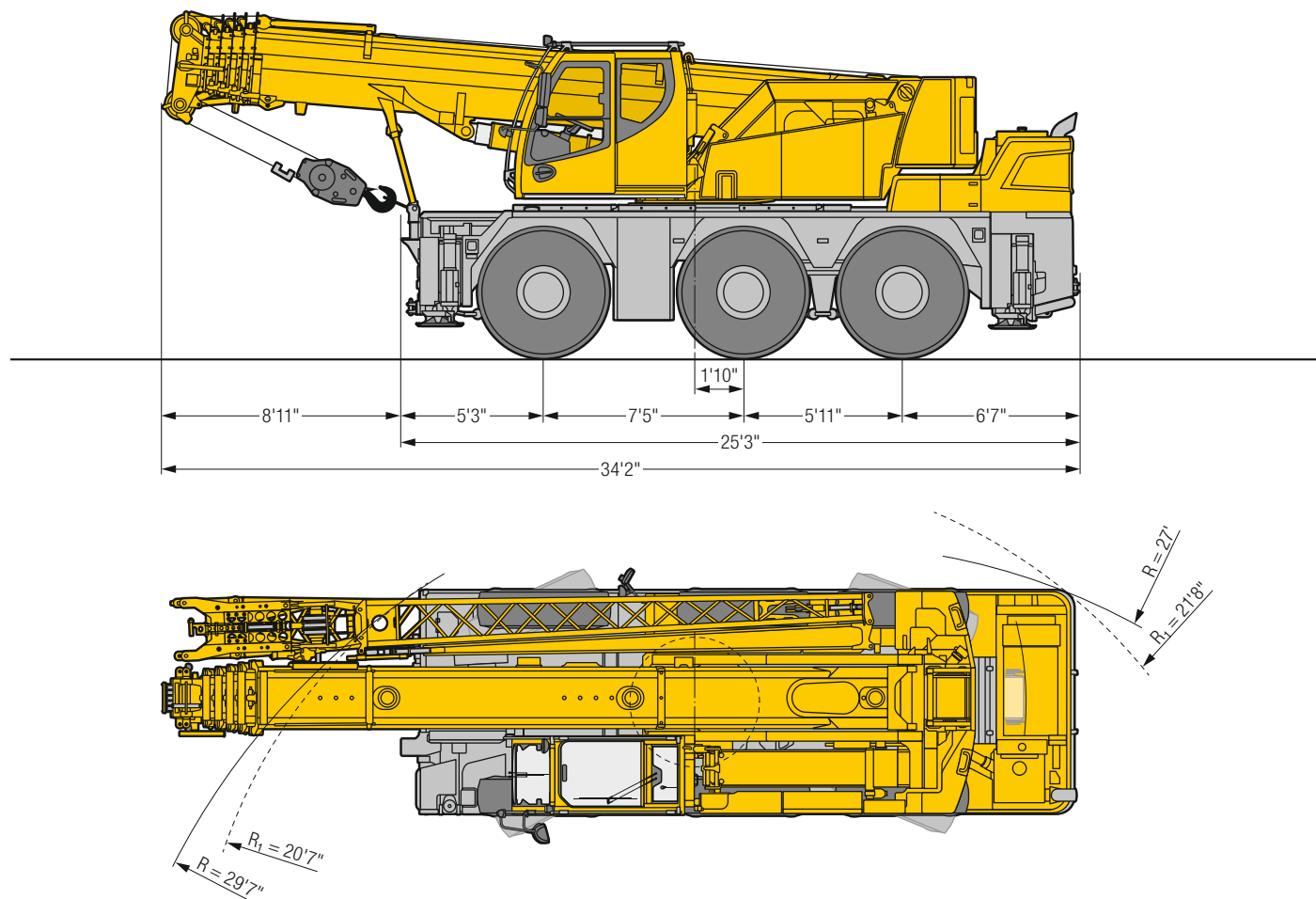
Dimensions - Procedure on site

Encombrement - Déplacement sur le chantier



US2894.02

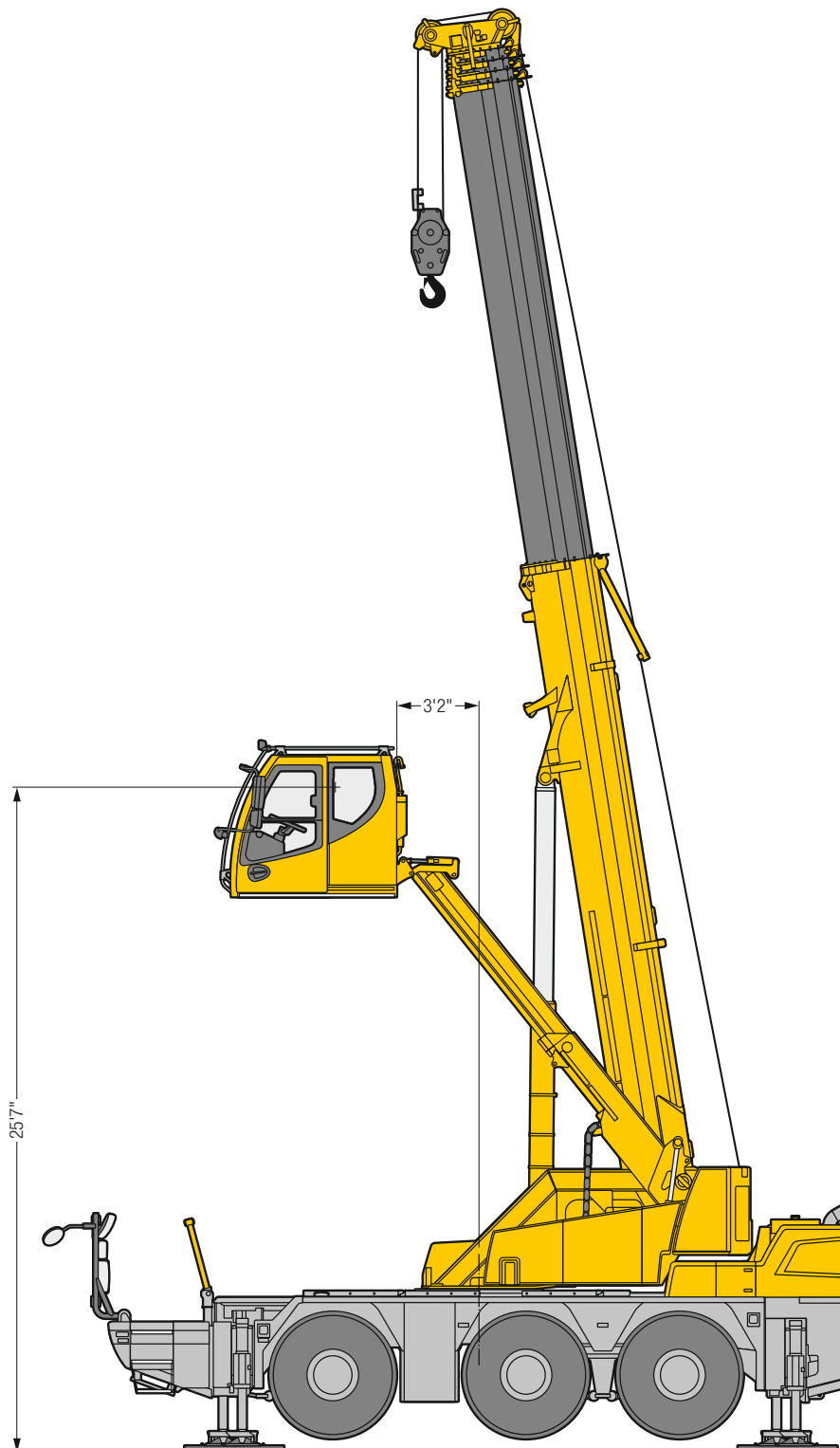
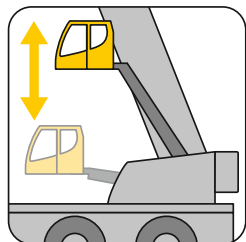
Dimensions - Reduced turning radius **Encombrement - Rayon de braquage réduit**



US2899.02

Dimensions - Lifting of the cab by the telescopic arm Encombrement - Levage de la cabine au-dessus du bras télescopique

Optional · en option



US2898.01

Compact mobile crane / Grue mobile compacte

LTC 1050-3.1



118 ft



5 ft – 43 ft

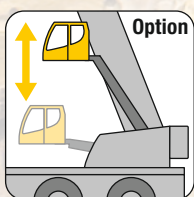
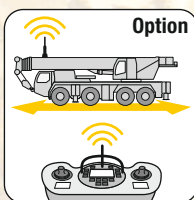
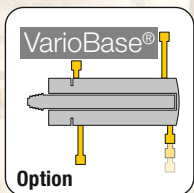


8.4 ft

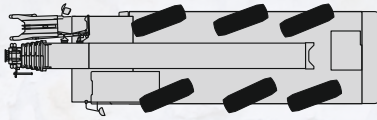


14,330 lbs

€COmode



Variable steering concept
Concept de direction variable



Excellent driving characteristics
Caractéristiques de conduite excellentes

Movable crane cabin
Cabine du grutier télescopable

Taxi crane – Complete equipment can be carried on the crane with 26,455 lbs axle load

Grue d'intervention rapide – L'équipement intégral est transporté sur la grue, en respectant la charge par essieu de 26,455 lbs

Compact design - ideal lifting device in confined spaces, e.g. for crane work in industrial buildings.

Construction compacte – appareil de levage idéal pour des espaces restreints, par ex. pour le travail de grue dans les halls industriels.



Efficient chassis and drive technology

Un porteur maniable et efficace



High mobility and great economy

The powerful diesel engine enables it to be driven at high speeds. The automatic powershift transmission delivers excellent manoeuvrability and comfort. A torque converter allows for sensitive manoeuvring and minimal crawling speeds.

Mobilité et rentabilité à toute épreuve

Grâce à son puissant moteur diesel se distingue par ses excellentes performances routières. La boîte de vitesse automatique permet une manœuvrabilité exceptionnelle et un confort optimum. Un convertisseur de couple assure une vitesse de rampe minimale et des manœuvres de précision.

Comfort and functionality

Confort et fonctionnalité



Smart cabin concept for ergonomics and safe working

The crane cabin is moved to the front of the vehicle on a telescopic arm for driving on the road and secured mechanically. In this position, the crane handles well even at high speed. The adjustable cabin enables Liebherr to offer perfect visibility.

Concept de cabine intelligent et ergonomique pour des travaux en toute sécurité

Pour les déplacements sur routes, la cabine du grutier est décalée par un bras télescopique vers l'avant du véhicule et bloquée dans cette position. Cette position de la cabine permet au grutier de profiter d'un bon confort de conduite. Grâce à cette cabine coulissante Liebherr, bénéficie d'une visibilité optimale.

Comfort and functionality

Confort et fonctionnalité



Modern driver's and crane cabin

- All-round safety glass, tinted windows, large lines of vision with excellent all-round visibility
- Opening front and roof windows
- Independent additional heating system
- Air-conditioning system
- Pneumatic driver's seat with lumbar support, multiply adjustable
- Heated, electrically adjustable exterior mirrors

Cabine de conduite et du grutier moderne

- Vitrage panoramique, vitres teintées, champ de vision optimal grâce à un large vitrage
- Pare-brise avant et lucarne de toit ouvrant
- Chauffage d'appoint indépendant du moteur
- Climatisation
- Siège conducteur à suspension pneumatique avec appuis lombaires, réglable en plusieurs positions
- Rétroviseurs dégivrant et réglables électriquement



Cabine du grutier télescopable

La cabine du grutier télescopable, disponible en option, offre une visibilité optimale pendant les travaux avec la grue. La hauteur du champ de vision du grutier peut atteindre 25'7". La cabine relevable contribue considérablement à la sécurité sur le chantier.

Telescoping crane cabin

The optional telescoping crane cabin delivers excellent visibility during crane operations. It takes the crane driver to an eye level of up to 25'7". The lift cabin makes a valuable contribution to high safety levels.



Le calage de la grue – rapide, confortable et sécurisé

Les poutres de calage sortent hydrauliquement. La commande se fait via le terminal BTT Bluetooth ou depuis la cabine du grutier. Quatre projecteurs intégrés éclairent parfaitement la zone de calage.

Supporting the crane – fast, convenient and safe

The supports are extended fully hydraulically. They are controlled using the BTT Bluetooth Terminal or from the crane cabin. Four integral lights provide excellent lighting of the support area.

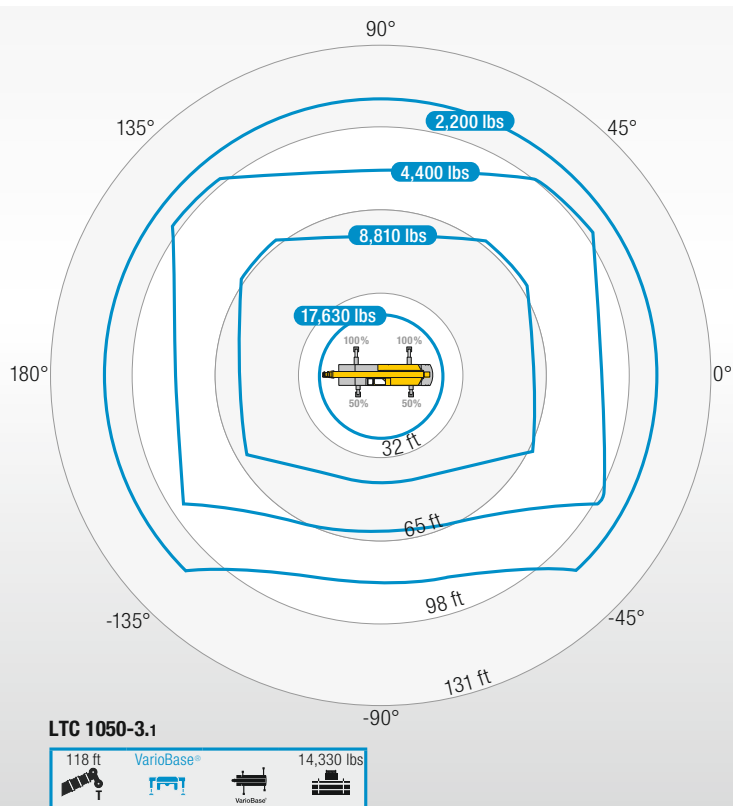
Variable supporting base for greater safety and higher lifting capacity

VarioBase® allows each individual crane support to be extended to variable lengths. At the same time, the crane's work is secured by the LICCON controlled load moment limiter. The extension length and support force of each outrigger is measured and the maximum load capacities for exactly this situation are calculated by the crane controller.

Une base de calage variable pour plus de sécurité et de capacité

Grâce à VarioBase®, chaque poutre de calage de la grue peut être déployée individuellement. L'utilisation de la grue est simultanément sécurisée par le contrôleur d'état de charge de la commande LICCON. La longueur de sortie et la force de calage de chaque stabilisateur sont mesurées et les capacités de charge précisément autorisées dans cette situation sont calculées dans la commande du contrôleur de charge.





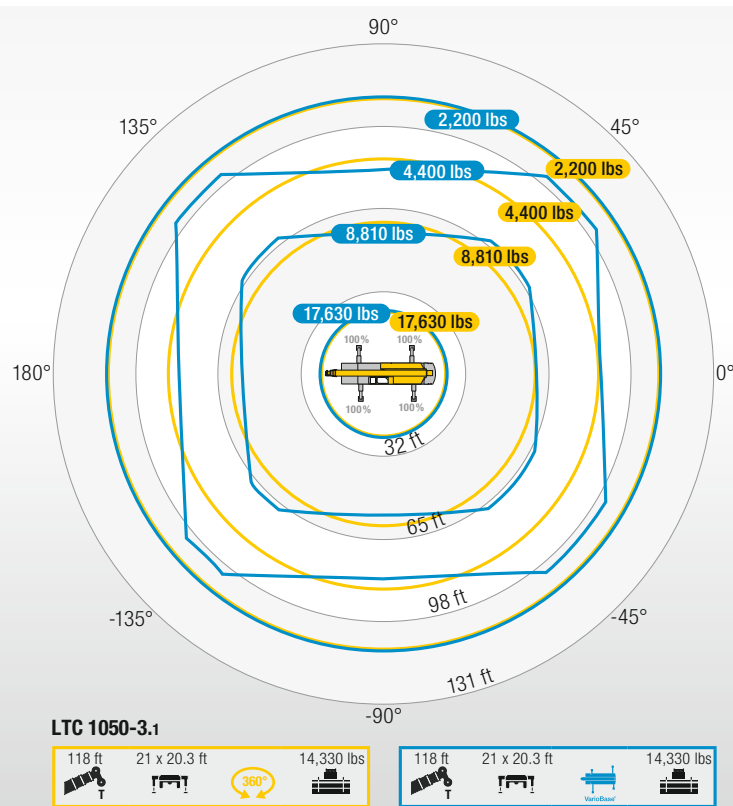
Greater safety in constricted working conditions
Plus de sécurité dans les zones de travail étroites

Greater safety

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

Sécurité accrue

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



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

Optimized dimensions Dimensions optimisées

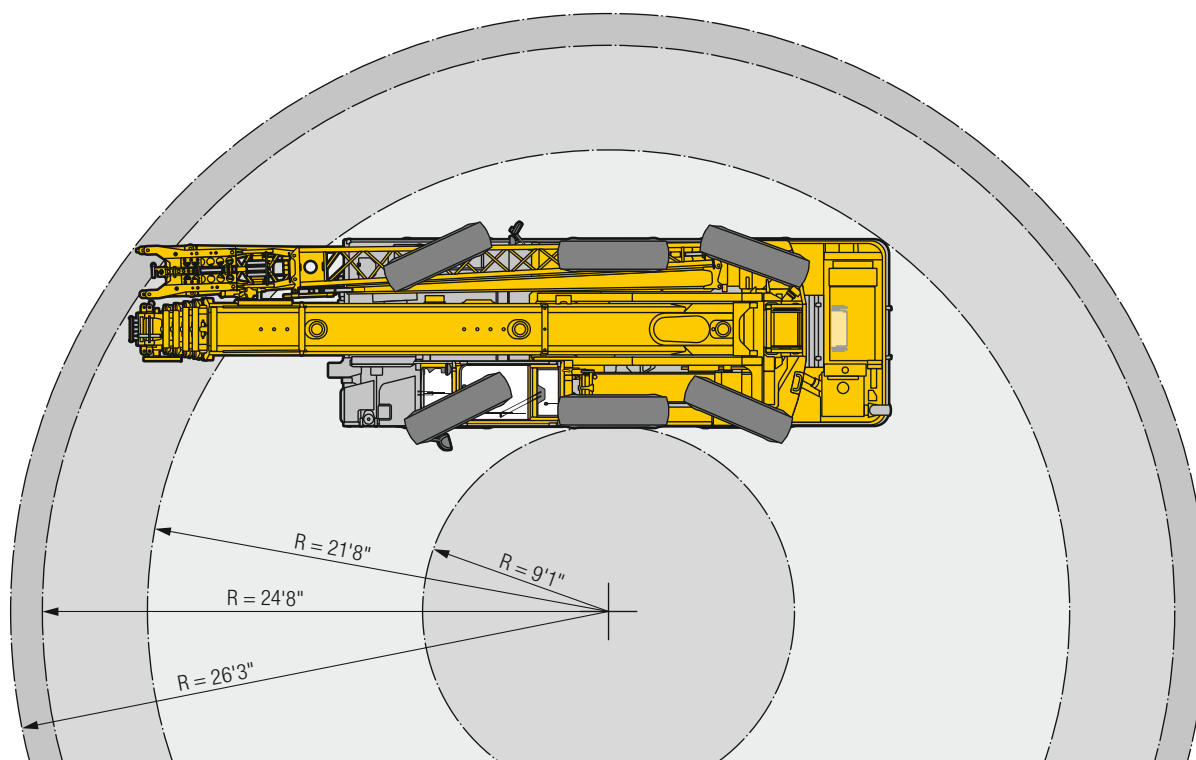
Spacious, compact and functional – city crane with lots of room

The LTC 1050-3.1 features extremely small dimensions. The front storage box can be removed to make it even smaller. A whole host of storage compartments can be used for accessories such as attachment equipment and support timbers.

Spacieuse, compacte, fonctionnelle – la grue à la fois citadine et spacieuse

La LTC 1050-3.1 se distingue par ses dimensions extrêmement compactes. Le démontage du coffre de rangement situé à l'avant permet de réduire encore plus l'encombrement de la machine. De nombreux rangements permettent d'avoir sous la main les accessoires, élingues, et autres bois de calage.





Compact design

Its turning circle radius over the telescopic boom with 445/95 R25 (16.00) tyres is just 24'8". In particularly constricted areas the boom can be luffed upwards to bring the turning circle of the chassis into play. The chassis length is 29'3" and can be reduced to 25'3" by removing the front storage box.

Structure compacte

Le rayon de braquage sur flèche télescopique avec pneumatiques 445 / 95 R25 (16.00) est de 24'8". Sur chantiers particulièrement exigus, la flèche peut être relevée de manière à adapter le rayon de braquage du châssis porteur. La longueur du châssis porteur est de 29'3" et peut être réduite à 25'3" en démontant le coffre de rangement avant.

Optimized dimensions Dimensions optimisées



The LTC 1050-3.1 carries all the equipment it needs on the crane. With an axle load of 26,455 lbs it can drive with the basic ballast of 14,330 lbs and the folding jib. The spacious storage compartments provide space for additional equipment.

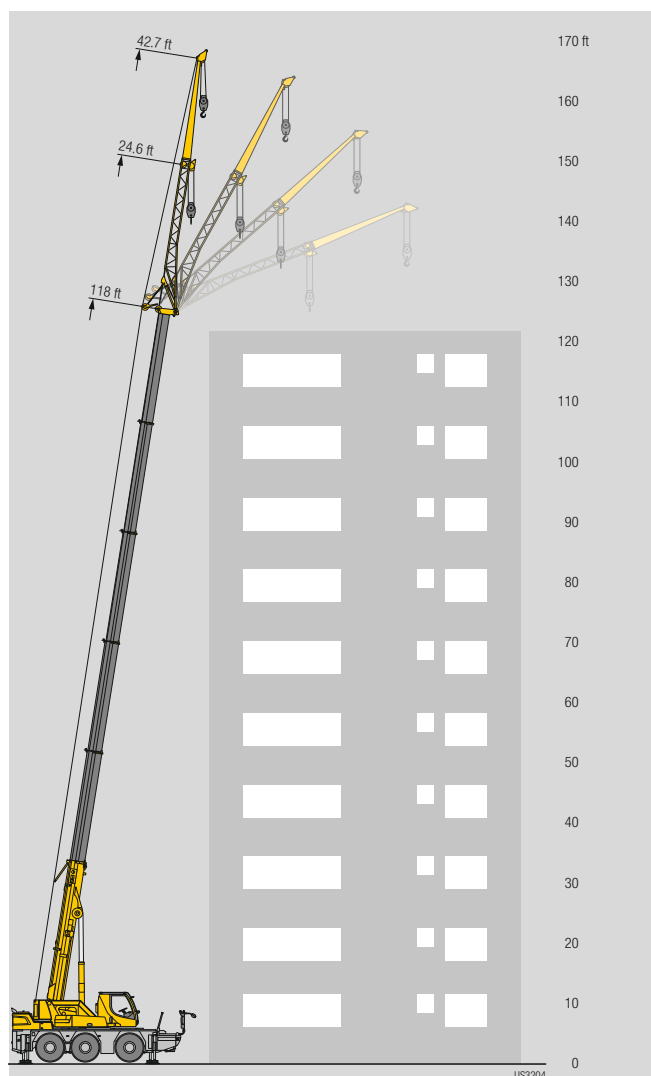
La LTC 1050-3.1 se déplace avec l'intégralité de son équipement. Avec un contrepoids total de 26,455 lbs et sa fléchette pliante, la grue respecte la charge de 14,330 lbs par essieu. Les coffres de rangement spacieux offrent suffisamment de place pour des équipements additionnels.

Assembly work in very constricted areas

The 24.6 ft to 42.7 ft double folding jib includes a 5 ft assembly jib. The assembly jib makes the LTC 1050-3.1 ideal for assembly work in very constricted areas and in low industrial buildings.

Travaux de montage sur chantiers exigus

La fléchette pliante double de 24.6 ft à 42.7 ft de longueur intègre une fléchette de montage de 5 ft. Equipée de la fléchette de montage, la LTC 1050-3.1 s'avère idéale pour les opérations de montage en espaces confinés et dans les halls de faible hauteur.



Assembly jib with sheave set
Fléchette de montage avec jeu de poulies



Assembly jib with hook crossbar
Fléchette de montage crochet de manutention



Compact hook block with 3 sheaves
Moufle à crochet à 3 poulies



Weights Poids

Hook block/Moufles à crochet

			
110,200 lbs	5	10	880 lbs
71,200 lbs	3	7	620 lbs
31,300 lbs	1	3	430 lbs
10,600 lbs	—	1	165 lbs

Working speeds Vitesses

Crane carrier/Châssis porteur

	 min.	 max.	 %	
385/95 R 25 (14.00 R 25)	1.2	50	41	6 / R2
445/95 R 25 (16.00 R 25)	1.3	53	37	

Theoretical gradeability / Aptitude théorique en pente

Crane superstructure/Partie tournante

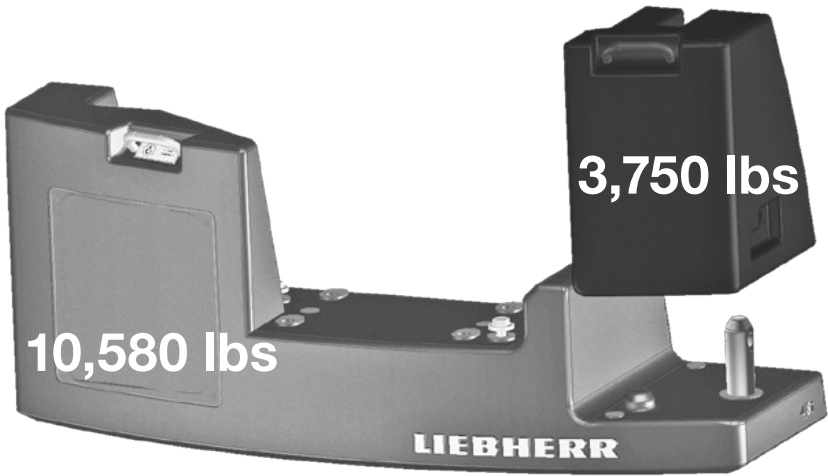
				 F
 1	0 – 364 ft/min single line ft/min au brin simple	0.59"	607 ft	10,790 lbs
 2	0 – 364 ft/min single line ft/min au brin simple	0.59"	607 ft	10,790 lbs
	0 – 1.9 rpm			
	approx. 65 seconds to reach 83° boom angle env. 65 s jusqu'à 83°			
	approx. 280 seconds for boom extension from 27 ft – 118 ft env. 395 s pour passer de 27 ft – 118 ft			

Weights Poids

Axle / Essieu

	1	2	3			
lbs	26,400	26,400	26,400	79,200	14,330	43 ft

Special ballast for 24,000 lbs axle load
 Lest spécial pour charge d'essieu de 24,000 lbs



Basic counterweight Contrepoids de base de	10,580 lbs
Additional counterweight Contrepoids additionnel	3,750 lbs
Total - Total	14,330 lbs

Ballasting device not available - Dispositif de lestage non disponible

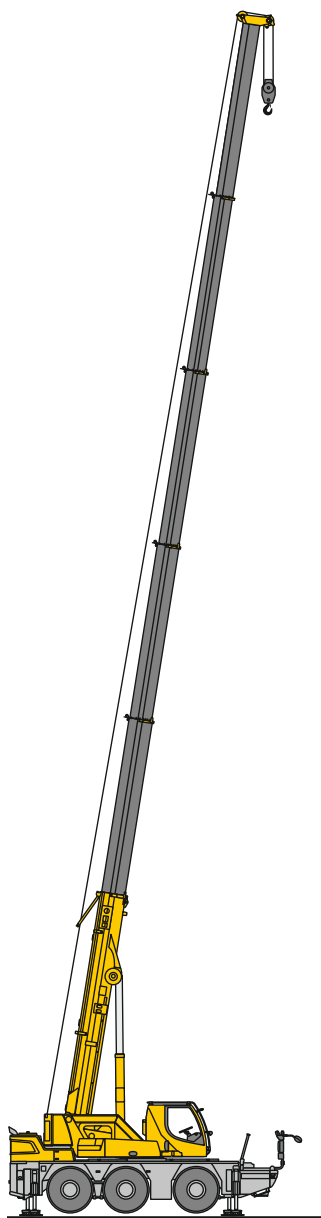
Axle / Essieu

	1	2	3			
lbs optional - en option	22,000	24,000	24,000	70,000	10,580	—

Boom/jib combinations

Configurations de flèche

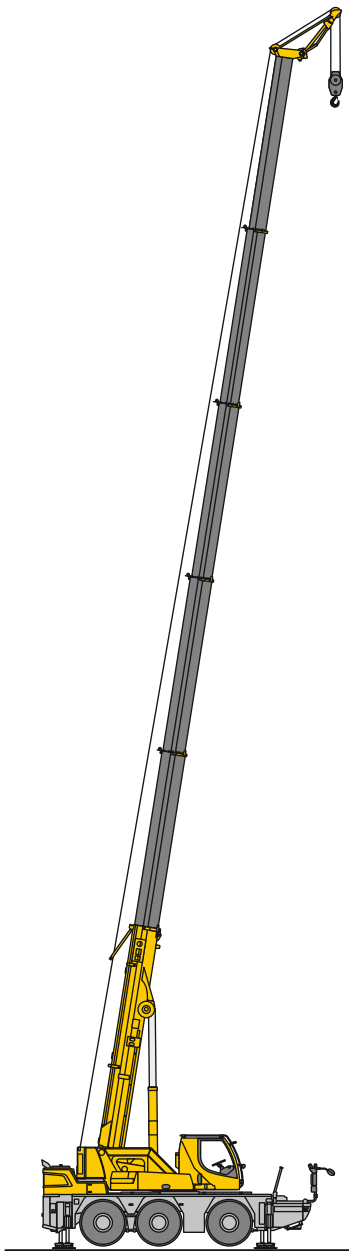
- T** Telescopic boom / Flèche télescopique
- K** Mechanical swing away jib / Fléchette pliante mécanique
- HK** Mechanically adjustable assembly jib / Fléchette de montage réglable mécaniquement



T

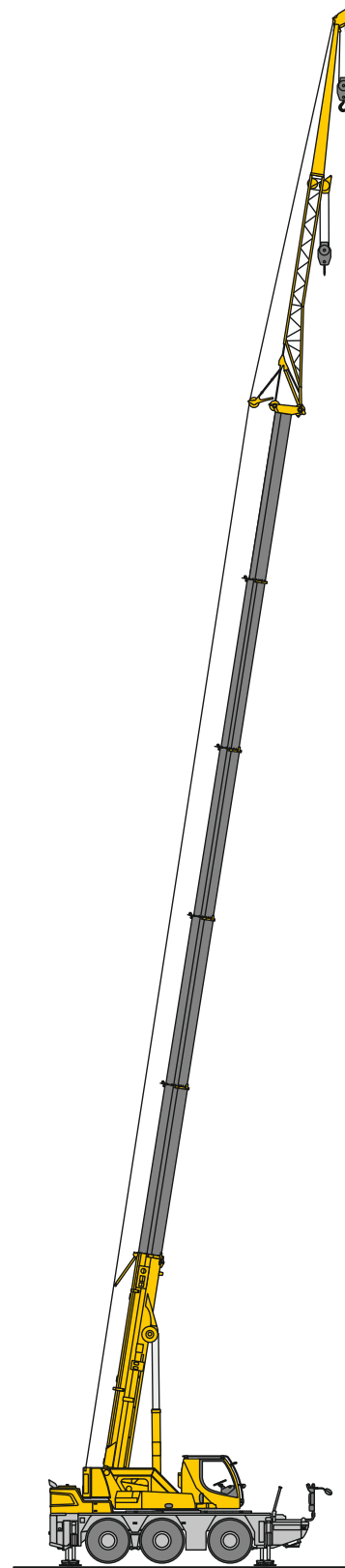


23 – 39



THK

45 – 47



TK

48 – 52

S3194

Lifting capacities

Forces de levage

T



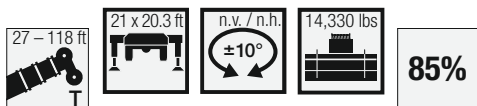
	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	97.4	94.8	88	73.8	65.9	56.1	44.8					10
11	92	91.5	86.2	74.3	65.4	55.8	44.3					11
12	86.9	86.4	83.6	74.5	64.8	55.5	43.5	35				12
13	82.1	81.4	80	74.1	64.2	55	43.3	34.9				13
14	76.7	77.1	75.1	71.9	63.6	54.4	43.3	34.8	28.6			14
15	71.8	72.4	71.3	69.1	63	53.7	43.2	34.7	28.6			15
16	66.9	67.7	66.9	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	62.5	63.3	63	61.9	60	52.5	42.3	34.5	28.6	23.3		17
18	57.7	59.2	58.9	59.1	57.9	51.9	41.8	34.2	28.5	23.2	18.3	18
19	46.2	55.6	55.4	55.9	54.6	51.2	41.3	33.8	28.5	23.2	18.2	19
20		52.2	52.6	52.6	50.7	49.2	40.8	33.3	28.5	23.1	18.1	20
22		45.9	46.3	46.3	45.4	43.2	39.6	32.4	28	22.9	18	22
24		40.7	41.2	41.2	40.7	38.4	36.3	31.4	27.1	22.5	17.8	24
26		35.9	36.5	37.2	36.4	34.4	32.6	30.3	26.3	22	17.6	26
28		31.9	32.8	33.1	32.8	31.2	29.4	28.3	25.5	21.4	17.4	28
30			29.2	29.4	29.2	28.4	27.2	26.5	24.4	20.8	17.1	30
32			26.2	26.4	26.2	25.7	25.5	24.4	23.3	20.2	16.8	32
34			23.8	23.9	23.8	23.6	23.8	22.5	21.6	19.6	16.5	34
36			21.7	21.8	21.6	22.2	21.8	20.9	19.9	19	16.1	36
38				20	19.8	20.4	20	19.4	18.7	18.1	15.8	38
40				18.5	18.6	18.8	18.4	18	17.7	17.1	15.5	40
45				15.3	15.8	15.6	15.4	15.5	15.1	14.8	14.3	45
50					13.4	13.2	13.4	13	13.2	13	12.5	50
55					11.6	11.7	11.5	11.6	11.3	11.1	10.7	55
60						10.2	10	10	9.8	9.5	9.1	60
65							8.8	8.8	8.5	8.3	7.9	65
70							7.8	7.8	7.5	7.3	6.9	70
75								6.9	6.6	6.5	6	75
80								6.2	5.9	5.7	5.3	80
85									5.2	5	4.7	85
90									4.6	4.4	4.1	90
95										3.9	3.5	95
100										3.5	3.1	100
105											2.7	105
110											2.3	110

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Lifting capacities

Forces de levage

T



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
	*											
10	100	99	94.8	88	73.8	65.9	56.1	44.8				10
11	98.8	93.7	92.5	86.2	74.3	65.4	55.8	44.3				11
12	91.6	88.2	87.7	83.6	74.5	64.8	55.5	43.5	35			12
13	84.5	82.9	82.2	80	74.1	64.2	55	43.3	34.9			13
14	78.3	77.6	77.6	75.1	71.9	63.6	54.4	43.3	34.8	28.6		14
15	73	72.9	73.4	71.3	69.1	63	53.7	43.2	34.7	28.6		15
16	68.1	67.9	68.7	67.1	65.2	61.8	53.1	42.8	34.6	28.6	21.1	16
17	63.7	63.6	64.5	63.9	62.1	60	52.5	42.3	34.5	28.6	23.3	17
18	57.7	57.7	60.5	60.2	60	57.9	51.9	41.8	34.2	28.5	23.2	18
19	46.2	46.2	57	56.8	57.2	54.6	51.2	41.3	33.8	28.5	23.2	19
20			54	53.6	54	50.7	49.2	40.8	33.3	28.5	23.1	20
22			48.4	48.7	47.1	45.4	43.2	39.6	32.4	28	22.9	22
24			41.5	42.2	41.5	40.7	38.4	36.3	31.4	27.1	22.5	24
26			35.9	36.5	37.2	36.4	34.4	32.6	30.3	26.3	22	26
28			31.9	32.8	33.1	32.8	31.2	29.4	28.3	25.5	21.4	28
30				29.2	29.4	29.2	28.4	27.2	26.5	24.4	20.8	30
32				26.2	26.4	26.2	25.7	25.5	24.4	23.3	20.2	32
34				23.8	23.9	23.8	23.6	23.8	22.5	21.6	19.6	34
36				21.7	21.8	21.6	22.2	21.8	20.9	19.9	19	36
38					20	19.8	20.4	20	19.4	18.7	18.2	38
40					18.5	18.6	18.8	18.4	18	17.8	17.2	40
45					15.3	15.8	15.6	15.4	15.5	15.1	14.8	45
50						13.5	13.2	13.5	13.1	13.2	13.1	50
55						11.6	11.8	11.6	11.6	11.3	11.2	55
60							10.3	10.1	10.1	9.8	9.6	60
65								8.9	8.9	8.6	8.4	65
70								7.9	7.9	7.6	7.4	70
75									7	6.7	6.6	75
80									6.3	6	5.8	80
85										5.3	5.1	85
90										4.7	4.6	90
95											4	95
100											3.6	100
105												105
110												110

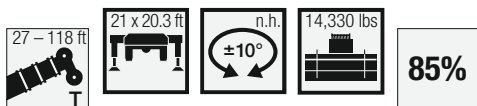
* 180° = over front - en avant

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Lifting capacities

Forces de levage

T



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	99	94.8	88	73.8	65.9	56.1	44.8					10
11	93.7	92.5	86.2	74.3	65.4	55.8	44.3					11
12	88.2	87.7	83.6	74.5	64.8	55.5	43.5	35				12
13	82.9	82.2	80	74.1	64.2	55	43.3	34.9				13
14	77.6	77.6	75.1	71.9	63.6	54.4	43.3	34.8	28.6			14
15	72.9	73.4	71.3	69.1	63	53.7	43.2	34.7	28.6			15
16	67.9	68.7	67.1	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	63.6	64.5	63.9	62.1	60	52.5	42.3	34.5	28.6	23.3		17
18	57.7	60.5	60.2	60	58	51.9	41.8	34.2	28.5	23.2	18.3	18
19	46.2	57	56.8	57.3	55.9	51.2	41.3	33.8	28.5	23.2	18.2	19
20		54	53.6	54.2	53.7	50.2	40.8	33.3	28.5	23.1	18.1	20
22		48.4	48.7	48.7	48.4	48	39.8	32.4	28	22.9	18	22
24		44	44.4	44.3	44	44.5	38.3	31.4	27.1	22.5	17.8	24
26		39.9	40.2	40.2	40.6	40.4	36.5	30.4	26.3	22	17.6	26
28		32.4	37.1	37	37.5	36.6	34.5	29.3	25.5	21.4	17.4	28
30			33.9	33.7	34.7	33.1	31.2	28.2	24.6	20.8	17.1	30
32			30.1	31.1	30.9	30.1	28.4	26.9	23.7	20.2	16.8	32
34			27.7	27.9	27.7	27.3	26	25.7	22.7	19.6	16.5	34
36			25.1	25.3	25.1	24.6	23.9	23.9	21.8	19	16.1	36
38				23	22.8	22.4	22.9	22.1	20.8	18.5	15.8	38
40				21.1	20.9	21	21	20.5	19.5	17.9	15.5	40
45				17.4	17.1	17.7	17.3	16.8	16.6	16.3	14.6	45
50					15.1	14.9	14.5	14.7	14.3	14	13.7	50
55					13	12.7	12.8	12.6	12.5	12.5	12.2	55
60						11	11.2	11.1	11	10.9	10.3	60
65							9.8	9.9	9.6	9.4	9	65
70							8.7	8.7	8.5	8.3	7.9	70
75								7.8	7.5	7.3	6.9	75
80								6.9	6.7	6.5	6.1	80
85									6	5.8	5.4	85
90									5.3	5.1	4.7	90
95										4.5	4.2	95
100										4.1	3.7	100
105											3.2	105
110											2.8	110

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Lifting capacities

Forces de levage

T



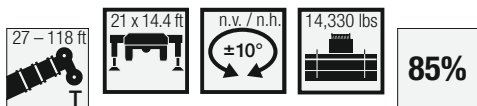
	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	83.6	83.2	82.7	73.8	65.9	56.1	44.8					10
11	78.3	78	76.3	73	65.4	55.8	44.3					11
12	73.5	74	72.2	67.4	61.1	55.5	43.5	35				12
13	67.7	68.6	65.3	60.2	56.9	52.4	43.3	34.9				13
14	62.6	62.6	58.8	54.6	52	48.2	43	34.8	28.6			14
15	57.9	56.7	53.2	50.9	47.6	44.2	41.2	34.7	28.6			15
16	52.5	51.4	48.8	46.9	43.8	40.7	38.6	34.5	28.6	21.1		16
17	46.6	47	45.5	43.2	40.6	37.9	35.8	33.6	28.6	23.3		17
18	41.7	43	42.1	40	37.7	35.4	33.8	32	28.5	23.2	18.3	18
19	37.7	39.4	39.1	37.3	35.1	33.2	32.2	30.2	28.4	23.2	18.2	19
20		36.1	36.4	34.7	32.8	31.7	30.2	28.4	26.8	23.1	18.1	20
22		30.6	31.4	30.6	29	28.6	26.9	25.6	24.6	22.6	18	22
24		26.3	27.2	27.2	26.7	25.6	24.4	23.6	22.2	21.1	17.8	24
26		23	23.9	24.1	24.3	23.1	22.2	21.4	20.6	19.3	17.6	26
28		20.4	21.2	21.8	22	21	20.6	19.5	19.1	18.2	17.1	28
30			18.9	19.7	19.6	19.2	18.9	18.3	17.5	16.8	15.9	30
32			17.1	17.8	17.9	17.8	17.4	17	16.1	15.5	14.6	32
34			15.5	16.2	16.3	16.5	16.1	15.7	14.9	14.4	13.5	34
36			14.1	14.8	14.9	15.1	15	14.6	13.8	13.3	12.5	36
38				13.6	13.7	13.9	13.8	13.6	12.8	12.4	11.6	38
40				12.6	12.6	12.8	12.7	12.6	12	11.5	10.8	40
45				10.4	10.5	10.7	10.5	10.2	10.1	9.7	9	45
50					8.8	9	8.8	8.6	8.4	8.2	7.6	50
55					7.6	7.7	7.5	7.4	7.2	6.9	6.5	55
60						6.7	6.5	6.4	6.1	5.9	5.5	60
65							5.7	5.5	5.3	5.1	4.7	65
70							4.9	4.8	4.5	4.4	3.9	70
75								4.2	3.9	3.7	3.3	75
80								3.6	3.3	3.2	2.8	80
85									2.8	2.7	2.3	85
90									2.4	2.2	1.9	90
95										1.9		95

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Lifting capacities

Forces de levage

T



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	95.4	93.3	88	73.8	65.9	56.1	44.8					10
11	90	89.5	86.2	74.3	65.4	55.8	44.3					11
12	84.9	84.4	83.3	74.5	64.8	55.5	43.5	35				12
13	80.3	79.7	79.1	74.1	64.2	55	43.3	34.9				13
14	75.6	75.9	75.1	71.9	63.6	54.4	43.3	34.8	28.6			14
15	70.8	71.6	71.3	69.1	63	53.7	43.2	34.7	28.6			15
16	66.9	67.5	67	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	63.3	64	63.6	61.7	58.5	52.5	42.3	34.5	28.6	23.3		17
18	57.7	60.4	60.1	58.3	54.1	51	41.8	34.2	28.5	23.2	18.3	18
19	46.2	57	56.8	54.6	50.3	48.2	41.3	33.8	28.5	23.2	18.2	19
20		54	53.4	50.7	48.1	45.2	40.7	33.3	28.5	23.1	18.1	20
22		48.4	47.8	44.6	43	40	37.3	32.4	28	22.9	18	22
24		41.5	42	39.8	38.4	35.8	33.6	31.4	27.1	22.5	17.8	24
26		35.8	36.5	36.8	34.6	32.4	30.4	29	26.3	22	17.6	26
28		31.9	32.8	32.9	31.4	29.5	28.1	27	25.3	21.4	17.4	28
30			29.2	29.4	28.3	27	26.4	24.9	23.6	20.8	17.1	30
32			26.2	26.4	25.7	24.8	24.6	23	21.7	20.2	16.8	32
34			23.8	23.9	23.5	23.6	22.7	21.3	20.4	19.4	16.5	34
36			21.6	21.8	21.5	22.2	21	19.8	19.4	18.5	16.1	36
38				20	19.5	20.3	19.3	18.4	18.2	17.3	15.8	38
40				18.4	18.6	18.7	17.9	17.4	17.1	16.2	15.4	40
45				15.3	15.8	15.6	15.3	15	14.7	14.5	13.8	45
50					13.5	13.2	13.4	12.8	12.9	12.6	12	50
55					11.6	11.8	11.6	11.5	11.2	10.9	10.2	55
60						10.3	10	9.8	9.5	9.2	8.7	60
65							8.9	8.7	8.4	8.1	7.6	65
70							7.9	7.7	7.4	7.2	6.7	70
75								7	6.6	6.3	5.9	75
80								6.3	5.9	5.7	5.2	80
85									5.3	5.1	4.6	85
90									4.7	4.5	4.1	90
95										4	3.6	95
100										3.6	3.2	100
105											2.8	105
110											2.4	110

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Lifting capacities

Forces de levage

T



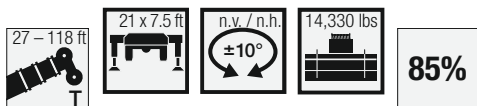
	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	42.9	38.6	35.4	31.6								10
11	39.9	36	32.3	29.7								11
12	35.5	33.4	30.8	28.1	25.7							12
13	32	31.1	29	26.4	24.3	22.9						13
14	28.8	28.3	26.8	24.9	22.9	21.1						14
15	25.7	26	25.3	24.2	22	20.8						15
16	23.1	23.9	23.4	22.5	21.1	20.1	18.4					16
17	21	22.1	21.7	21.5	20	19.2	17.9	15.9				17
18	19.1	20.5	20.2	20.1	19	18	16.8	14.8				18
19	17.5	18.8	18.9	18.9	18.1	16.9	16.6	15.2				19
20		17.4	17.7	17.7	17	16.6	15.6	14.6	12.7			20
22		14.9	15.6	15.7	15.2	14.8	14.1	13.5	12.7	11.7		22
24		13	13.7	14.1	13.6	13.3	12.7	12.2	11.4	10.9	10.1	24
26		11.4	12.1	12.6	12.2	12.1	11.5	11	10.3	9.8	9	26
28		10.1	10.8	11.3	11.1	10.9	10.4	10	9.4	8.9	8.2	28
30			9.5	10	9.7	10	9.5	9.2	8.5	8.1	7.4	30
32			8.5	9	8.8	9.1	8.7	8.4	7.8	7.3	6.7	32
34			7.7	8.2	8	8.4	8	7.7	7.1	6.7	6.1	34
36			7.1	7.5	7.3	7.7	7.3	7	6.5	6.1	5.5	36
38				6.9	6.7	7	6.7	6.5	5.9	5.6	5	38
40				6.3	6.2	6.4	6.2	5.9	5.4	5.1	4.5	40
45				5.2	5	5.3	5	4.9	4.4	4.1	3.5	45
50					4.1	4.3	4.1	4	3.5	3.2	2.7	50
55					3.4	3.6	3.4	3.2	2.8	2.5	1.9	55
60						2.9	2.7	2.6	2.2	1.9		60
65							2.2	2.1				65

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Lifting capacities

Forces de levage

T



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	85.6	63.8	48.2	38.4	32	27.2	23					10
11	80.3	60.1	46	37.2	30.8	26.3	22.5					11
12	75.4	56.9	43.9	35.9	29.8	25.5	21.9	18.5				12
13	71.1	53.9	42	34.6	28.8	24.8	21.3	18.6				13
14	66.9	51.3	40.3	33.4	27.9	24	20.7	18.1	15.6			14
15	62.3	49	38.7	32.2	27	23.4	20.2	17.7	15.3			15
16	57.9	46.9	37.3	31.2	26.2	22.7	19.6	17.2	15	13.2		16
17	53.9	45	35.9	30.1	25.5	22.1	19.2	16.8	14.6	12.9		17
18	49.1	43.3	34.7	29	24.7	21.5	18.7	16.4	14.3	12.6	10.9	18
19	45.4	41.7	33.5	28.2	24	21	18.2	16.1	14	12.3	10.6	19
20		40.3	32.4	27.4	23.4	20.5	17.8	15.7	13.6	12.1	10.4	20
22		37.3	30.5	26	22.2	19.5	17	15	13.1	11.6	10	22
24		33.4	28.8	24.6	21.1	18.6	16.2	14.4	12.5	11.1	9.6	24
26		29.3	27.4	23.2	20.1	17.8	15.5	13.8	12	10.7	9.2	26
28		26.4	26.2	22	19.2	17	14.9	13.2	11.5	10.2	8.8	28
30			24.7	20.8	18.4	16.3	14.3	12.7	11.1	9.8	8.5	30
32			22.6	19.9	17.6	15.7	13.8	12.3	10.7	9.5	8.1	32
34			20.1	19.1	17	15.1	13.2	11.8	10.3	9.1	7.8	34
36			18.6	18.5	16.3	14.6	12.8	11.4	9.9	8.8	7.5	36
38				17.3	15.8	14	12.3	11	9.6	8.5	7.2	38
40				16.4	15.3	13.6	11.9	10.6	9.2	8.2	7	40
45				14.2	14.2	12.6	11	9.8	8.5	7.5	6.4	45
50					12.3	11.8	10.2	9.1	7.8	6.9	5.8	50
55					10.2	10.3	9.5	8.5	7.3	6.4	5.4	55
60						9.1	9	7.9	6.8	5.9	4.9	60
65							8	7.5	6.3	5.5	4.5	65
70							7.1	7.1	6	5.1	4.2	70
75								6.4	5.6	4.8	3.9	75
80								5.8	5.4	4.5	3.6	80
85									5	4.3	3.4	85
90									4.5	4.2	3.1	90
95										3.9	3	95
100										3.5	2.9	100
105											2.7	105
110											2.4	110

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Lifting capacities Forces de levage

T



85%

	27 ft			36 ft			45 ft			54 ft			
	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	
10	44.4			31.9			23			18.3			10
11	39.1	27.5		31.5			22.7			18			11
12	34.1	25.5		31.1			22.4			17.8			12
13	29.5	23.8		29.5			22.1			17.5			13
14	26.2	22.3		26.5	22.9		21.8			17.3			14
15	23.4	20.1		23.8	21.1		21.6			17.1			15
16	21	18.9	13.3	21.4	19.5		21			16.9			16
17	18.8	17.8	12.1	19.3	18.5		19.3	18.7		16.8			17
18	17.2	16.8	11.2	17.6	17.5		17.8	17.8		16.6			18
19	15.9	16	10.4	16.2	16.5		16.4	16.8		16.1			19
20				15	15.7		15.2	16		15.3	15.9		20
22				13	14.2	8.8	13.1	14.5		13.4	14.9		22
24				11.3	12.9	7.7	11.5	13.2	8	11.8	13.6		24
26				9.7	11.8	6.7	9.9	12.1	7.1	10.3	12.5	7	26
28				8.7	10.8	6	8.8	11.1	6.3	9.1	11.5	6.3	28
30							7.9	9.7	5.6	8.2	10.3	6.1	30
32							7.2	9	4.9	7.5	9.4	5.5	32
34							6.5	8.4	4.4	6.8	8.7	4.9	34
36							5.9	7.8	4	6.2	8.1	4.4	36
38										5.7	7.6	4	38
40										5.2	7.1	3.6	40
45										4.3	6.1	2.8	45

0° * = over rear · en arrière

180° ** = over front · en avant

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85%

	27 ft			36 ft			45 ft			54 ft			
	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	
10	44.4			31.9			23			18.3			10
11	39.1	36.5		31.5			22.7			18			11
12	34.1	34		31.1			22.4			17.8			12
13	29.5	31.6		29.5			22.1			17.5			13
14	26.2	29.3		26.5	29.9		21.8			17.3			14
15	23.4	27.6		23.8	28.2		21.6			17.1			15
16	21	26	13.3	21.4	26.6		21			16.9			16
17	18.8	24.6	12.1	19.3	25.2		19.3	25.4		16.8			17
18	17.2	23.3	11.2	17.6	23.9		17.8	24.1		16.6			18
19	15.9	22.2	10.4	16.2	22.7		16.4	23		16.1			19
20				15	21.5		15.2	21.7		15.3	21.8		20
22				13	18.9	8.8	13.1	19.2		13.4	19.6		22
24				11.3	17.3	7.7	11.5	17.6	8	11.8	18		24
26				9.7	15.9	6.7	9.9	16.3	7.1	10.3	16.6	7	26
28				8.7	14.6	6	8.8	15	6.3	9.1	15.4	6.3	28
30							7.9	13.8	5.6	8.2	14.2	6.1	30
32							7.2	12.5	4.9	7.5	12.9	5.5	32
34							6.5	11.4	4.4	6.8	11.8	4.9	34
36							5.9	10.3	4	6.2	10.9	4.4	36
38										5.7	9.8	4	38
40										5.2	9	3.6	40
45										4.3	7.6	2.8	45

0° * = over rear · en arrière

180° ** = over front · en avant

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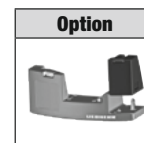
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	97.2	94.6	88	73.8	65.9	56.1	44.8					10
11	91.8	91.3	86.2	74.3	65.4	55.8	44.3					11
12	86.6	86	83.5	74.5	64.8	55.5	43.5	35				12
13	81.1	80.5	79.8	74.1	64.2	55	43.3	34.9				13
14	75.5	75.8	75	71.9	63.6	54.4	43.3	34.8	28.6			14
15	70	71	70.7	69.1	63	53.7	43.2	34.7	28.6			15
16	65.2	66	65.7	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	60.7	61.5	61.1	61.5	58.4	52.5	42.3	34.5	28.6	23.3		17
18	56.8	57.6	57.4	57.8	54	51.4	41.8	34.2	28.5	23.2	18.3	18
19	46.2	53.8	54.3	53.8	50.1	48.5	41.3	33.8	28.5	23.2	18.2	19
20		49.9	50.7	49.6	47.6	45.3	40.7	33.3	28.5	23.1	18.1	20
22		44.1	44.6	43.1	42.2	39.6	37.2	32.4	28	22.9	18	22
24		38.1	38.7	39.2	37.3	35.1	33.2	31.4	27.1	22.5	17.8	24
26		33.3	34.3	34.5	33.4	31.5	30.1	28.9	26.3	22	17.6	26
28		29.2	30.1	30.3	30.1	28.4	27.7	26.5	25.1	21.4	17.4	28
30			26.8	27	26.7	25.8	25.6	24.3	23.1	20.8	17.1	30
32			24	24.2	24	24.2	23.6	22.2	21.3	20.2	16.8	32
34			21.7	21.9	21.7	22.3	21.7	20.4	20.1	19	16.5	34
36			19.8	19.9	20.4	20.3	19.9	18.9	18.7	17.8	16.1	36
38				18.3	18.9	18.6	18.2	17.9	17.4	16.5	15.8	38
40				16.8	17.4	17.1	17	17	16.2	15.7	15.2	40
45				14.3	14.4	14.1	14.4	14.1	14.2	13.8	13	45
50					12.1	12.3	12.1	12.2	11.9	11.8	11.1	50
55					10.4	10.6	10.4	10.4	10.1	9.8	9.4	55
60						9.2	9	8.9	8.7	8.5	8	60
65							7.9	7.8	7.6	7.4	6.9	65
70							7	6.9	6.6	6.4	6	70
75								6.1	5.8	5.6	5.2	75
80								5.4	5.1	4.9	4.5	80
85									4.5	4.3	3.9	85
90									3.9	3.8	3.4	90
95										3.3	2.9	95
100										2.9	2.4	100
105											2.1	105
110											1.8	110

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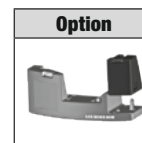
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	98.6	94.8	88	73.8	65.9	56.1	44.8					10
11	93.3	92.3	86.2	74.3	65.4	55.8	44.3					11
12	87.5	87	83.6	74.5	64.8	55.5	43.5	35				12
13	81.8	81.3	80	74.1	64.2	55	43.3	34.9				13
14	76.6	76.9	75.1	71.9	63.6	54.4	43.3	34.8	28.6			14
15	71.4	72.1	71.3	69.1	63	53.7	43.2	34.7	28.6			15
16	66.5	67.2	66.8	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	62.4	62.9	62.8	61.5	58.4	52.5	42.3	34.5	28.6	23.3		17
18	57.7	59.1	58.9	57.8	54	51.4	41.8	34.2	28.5	23.2	18.3	18
19	46.2	55.8	55.3	53.8	50.1	48.5	41.3	33.8	28.5	23.2	18.2	19
20		52.8	52.6	49.6	47.6	45.3	40.7	33.3	28.5	23.1	18.1	20
22		44.9	45.6	43.1	42.2	39.6	37.2	32.4	28	22.9	18	22
24		38.1	38.7	39.2	37.3	35.1	33.2	31.4	27.1	22.5	17.8	24
26		33.3	34.3	34.5	33.4	31.5	30.1	28.9	26.3	22	17.6	26
28		29.2	30.1	30.3	30.1	28.4	27.7	26.5	25.1	21.4	17.4	28
30			26.8	27	26.7	25.8	25.6	24.3	23.1	20.8	17.1	30
32			24	24.2	24	24.2	23.6	22.3	21.3	20.2	16.8	32
34			21.7	21.9	21.7	22.3	21.7	20.5	20.1	19.1	16.5	34
36			19.8	19.9	20.4	20.3	19.9	19	18.8	17.9	16.1	36
38				18.3	18.9	18.6	18.2	17.9	17.5	16.6	15.8	38
40				16.8	17.4	17.2	17	17	16.3	15.8	15.2	40
45				14.4	14.4	14.2	14.4	14.1	14.2	13.9	13.2	45
50					12.2	12.4	12.2	12.2	12	11.8	11.3	50
55					10.5	10.7	10.5	10.5	10.2	10	9.5	55
60						9.3	9.2	9.1	8.8	8.6	8.2	60
65							8	8	7.7	7.5	7.1	65
70							7.1	7	6.7	6.6	6.1	70
75								6.2	5.9	5.8	5.3	75
80								5.5	5.2	5	4.7	80
85									4.6	4.4	4	85
90									4.1	3.9	3.5	90
95										3.4	3	95
100										3	2.6	100
105											2.2	105
110											1.9	110

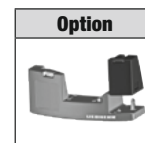
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Lifting capacities Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	98.6	94.8	88	73.8	65.9	56.1	44.8					10
11	93.3	92.3	86.2	74.3	65.4	55.8	44.3					11
12	87.5	87	83.6	74.5	64.8	55.5	43.5	35				12
13	81.8	81.3	80	74.1	64.2	55	43.3	34.9				13
14	76.6	76.9	75.1	71.9	63.6	54.4	43.3	34.8	28.6			14
15	71.4	72.1	71.3	69.1	63	53.7	43.2	34.7	28.6			15
16	66.5	67.2	66.8	65.2	61.8	53.1	42.8	34.6	28.6	21.1		16
17	62.4	62.9	62.8	61.9	60	52.5	42.3	34.5	28.6	23.3		17
18	57.7	59.1	58.9	59.1	58	51.9	41.8	34.2	28.5	23.2	18.3	18
19	46.2	55.8	55.6	56.1	55.4	51.2	41.3	33.8	28.5	23.2	18.2	19
20		52.8	52.8	53.1	52.4	50.2	40.8	33.3	28.5	23.1	18.1	20
22		47.3	47.7	47.6	47.3	47.7	39.8	32.4	28	22.9	18	22
24		43.1	43.4	43.1	43.4	41.8	37.8	31.4	27.1	22.5	17.8	24
26		39	39.3	39.3	39.4	37.1	34.9	30.4	26.3	22	17.6	26
28		32.4	35.2	35.2	35.2	33.2	31.2	29.3	25.5	21.4	17.4	28
30			31.5	31.9	31.6	30	28.2	27.2	24.6	20.8	17.1	30
32			28.1	28.3	28.1	27.2	25.8	25.5	23.7	20.2	16.8	32
34			25.2	25.4	25.2	24.7	24.5	23.4	22.1	19.6	16.5	34
36			22.8	23	22.7	22.7	22.8	21.5	20.5	19	16.1	36
38				20.9	20.7	21.3	20.8	19.9	18.9	18.4	15.8	38
40				19.1	18.9	19.5	19	18.4	17.9	17.5	15.5	40
45				15.7	16.2	16	15.6	15.8	15.4	14.8	14.4	45
50					13.6	13.4	13.6	13.3	13.3	13.3	12.6	50
55					11.7	11.8	11.6	11.7	11.4	11.2	10.8	55
60						10.3	10.1	10.1	9.8	9.6	9.1	60
65							8.9	8.8	8.5	8.3	7.9	65
70							7.8	7.8	7.5	7.3	6.8	70
75								6.9	6.6	6.4	6	75
80								6.1	5.8	5.6	5.2	80
85									5.1	5	4.6	85
90									4.5	4.4	4	90
95										3.8	3.4	95
100										3.4	3	100
105											2.6	105
110											2.2	110

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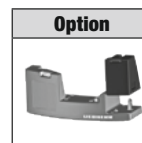
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	83.2	82.6	82.1	73.6	65.9	56.1	44.8					10
11	77.8	77.1	71.7	69.4	62.1	55.8	44.3					11
12	71.7	71.9	65.7	61.2	57.5	52.4	43.5	35				12
13	65.9	64.2	59.3	55.9	52.1	48	43.3	34.9				13
14	60.6	57.1	53.3	51.1	47.2	43.7	40.5	34.8	28.6			14
15	54.3	51.3	49.1	46.3	43.1	40.3	37.8	34.7	28.6			15
16	47.5	46.5	45	42.6	39.6	37.1	35.6	32.9	28.6	21.1		16
17	42.1	42.4	41.2	39.1	36.7	34.9	33.2	31.1	28.6	23.3		17
18	37.7	39.4	38.1	36.2	34	32.9	31	29	27.2	23.2	18.3	18
19	34	35.8	35.4	33.7	31.7	31	29	27.3	26.2	23.2	18.2	19
20		32.6	32.9	31.4	29.9	29.1	27.7	26.3	24.8	22.7	18.1	20
22		27.6	28.5	27.6	27.2	25.8	24.7	23.6	22.6	21	18	22
24		23.7	24.6	24.6	24.3	23	22.6	21.3	20.7	19.4	17.7	24
26		20.7	21.5	22.3	21.9	20.8	20.4	19.8	18.8	17.9	16.9	26
28		18.3	19	19.9	19.6	19.3	18.7	18	17.1	16.3	15.4	28
30			17	17.8	17.7	17.8	17.1	16.5	15.7	15	14.1	30
32			15.3	16	16	16.3	15.7	15.2	14.4	13.8	12.9	32
34			13.9	14.6	14.6	14.9	14.5	14	13.3	12.7	11.9	34
36			12.6	13.3	13.4	13.6	13.4	13	12.3	11.7	11	36
38				12.2	12.2	12.5	12.3	12	11.4	10.9	10.2	38
40				11.2	11.3	11.5	11.4	11.2	10.6	10.1	9.4	40
45				9.3	9.2	9.5	9.2	9	8.8	8.5	7.8	45
50					7.8	8	7.7	7.6	7.4	7.1	6.5	50
55					6.6	6.8	6.6	6.4	6.2	6	5.5	55
60						5.8	5.6	5.5	5.3	5.1	4.6	60
65							4.9	4.7	4.5	4.3	3.8	65
70							4.1	4.1	3.8	3.6	3.2	70
75								3.5	3.2	3	2.7	75
80								3	2.7	2.5	2.1	80
85									2.2	2.1		85
90									1.9			90

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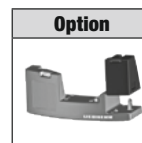
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	95.3	93.2	88	73.8	65.9	56.1	44.8					10
11	89.8	89.2	86.2	74.3	65.4	55.8	44.3					11
12	84.6	84.1	83.1	74.5	64.8	55.5	43.5	35				12
13	79.8	79.1	78.5	74.1	64.2	55	43.3	34.9				13
14	74.7	75	74.5	71.5	63.6	54.4	43.3	34.8	28.6			14
15	70	70.8	70.6	68.6	62.2	53.7	43.2	34.7	28.6			15
16	66.1	66.7	66.4	63.6	58.1	53	42.8	34.6	28.6	21.1		16
17	62.4	62.8	62.4	58.7	53.7	50.7	42.3	34.5	28.6	23.3		17
18	57.7	59.1	57.4	54.1	50.7	47.4	41.8	34.2	28.5	23.2	18.3	18
19	46.2	55.8	54.1	50.2	48	44.2	40.6	33.8	28.5	23.2	18.2	19
20		52.8	50.4	46.5	44.8	41.5	38.4	33.3	28.5	23.1	18.1	20
22		44.9	43.9	42	39.5	36.7	34.1	31.9	28	22.9	18	22
24		38	38.6	37.6	35.2	32.8	31.1	29.7	27.1	22.5	17.8	24
26		33.3	34.3	33.8	31.7	29.6	28.5	27.1	25.5	22	17.6	26
28		29.2	30.1	29.9	28.7	26.9	26.4	24.7	23.3	21.4	17.4	28
30			26.7	26.9	25.8	25.4	24.3	22.8	21.9	20.8	17.1	30
32			24	24.2	23.4	23.8	22.4	20.9	20.5	19.4	16.8	32
34			21.7	21.9	21.5	22	20.7	19.4	19.1	18	16.5	34
36			19.8	19.9	20.1	20.1	19	18.5	17.7	16.8	16	36
38				18.3	18.6	18.4	17.7	17.5	16.5	16.2	15.3	38
40				16.8	17.2	17	16.5	16.2	15.8	15.4	14.5	40
45				14.4	14.4	14.2	14.2	13.9	13.7	13.2	12.4	45
50					12.2	12.4	12.2	11.9	11.7	11.3	10.7	50
55					10.5	10.7	10.5	10	9.9	9.5	8.9	55
60						9.3	9	8.8	8.5	8.2	7.7	60
65							8	7.8	7.5	7.2	6.7	65
70							7.1	6.9	6.6	6.3	5.8	70
75								6.2	5.8	5.6	5.1	75
80								5.5	5.2	4.9	4.5	80
85									4.6	4.4	3.9	85
90									4	3.9	3.5	90
95										3.4	3	95
100										3	2.6	100
105											2.2	105
110											1.9	110

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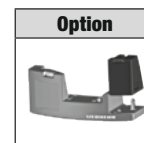
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	39.9	37.2	34	30.6	27.7	26.7						10
11	35.1	33.9	31.2	28.9	26.2	25.9						11
12	31.2	30.4	29.3	27.1	25	24.3	21.4					12
13	28	27.4	26.5	25.4	23.5	22.7	21					13
14	25.3	24.9	24.3	23.9	22.3	21.1	20.4	17.2				14
15	22.6	22.8	22.3	22	20.9	20.2	19.1	17.5				15
16	20.3	20.9	20.6	20.4	19.4	18.8	17.8	16.9	15.1			16
17	18.3	19.3	19	19	18.2	17.5	16.6	15.9	14.7			17
18	16.6	17.9	17.7	17.7	17	16.4	15.6	14.9	13.9	13.2		18
19	15.2	16.5	16.5	16.6	15.9	15.4	14.6	14	13.1	12.4	11.4	19
20		15.2	15.4	15.5	14.9	14.6	13.8	13.2	12.3	11.7	10.8	20
22		13	13.5	13.8	13.2	12.9	12.3	11.8	11	10.4	9.6	22
24		11.3	11.9	12.3	11.8	11.6	11	10.5	9.8	9.3	8.5	24
26		9.8	10.4	11	10.6	10.4	9.9	9.5	8.8	8.4	7.6	26
28		8.6	9.1	9.5	9.4	9.4	9	8.6	8	7.5	6.8	28
30			8.1	8.6	8.4	8.6	8.1	7.8	7.2	6.8	6.1	30
32			7.3	7.7	7.6	7.8	7.4	7.1	6.5	6.1	5.5	32
34			6.5	7	6.9	7.1	6.7	6.5	5.9	5.6	4.9	34
36			5.9	6.4	6.2	6.5	6.1	5.9	5.4	5	4.4	36
38				5.8	5.6	6	5.6	5.4	4.8	4.5	4	38
40				5.3	5.2	5.4	5.1	4.9	4.4	4.1	3.5	40
45				4.3	4.1	4.4	4.1	3.9	3.5	3.2	2.6	45
50					3.4	3.6	3.3	3.1	2.7	2.4		50
55					2.7	2.8	2.6	2.5	1.9			55
60						2.2	2.1	1.9				60

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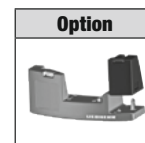
Lifting capacities

Forces de levage

T



85%



	27 ft	36 ft	45 ft	54 ft	63 ft	72 ft	82 ft	91 ft	100 ft	109 ft	118 ft	
10	85.1	58.7	44.4	35.8	29.4	24.9	21.1					10
11	79.6	55.3	42.3	34.4	28.3	24.1	20.6					11
12	75	52.3	40.4	33.1	27.3	23.4	20	16.8				12
13	70.5	49.6	38.6	31.8	26.4	22.7	19.4	16.9				13
14	65.3	47.3	37	30.7	25.6	22	18.9	16.5	14.1			14
15	60.5	45.5	35.6	29.6	24.8	21.4	18.4	16.1	13.9			15
16	55.7	43.7	34.2	28.6	24	20.8	17.9	15.7	13.5	11.9		16
17	50.5	41.9	32.9	27.7	23.3	20.2	17.5	15.3	13.2	11.6		17
18	46.4	40.3	31.8	26.8	22.6	19.7	17	14.9	12.9	11.3	9.7	18
19	42.9	38.8	30.7	26	22	19.2	16.6	14.6	12.6	11.1	9.5	19
20		37.5	29.7	25.2	21.4	18.7	16.2	14.2	12.3	10.8	9.3	20
22		35.3	27.9	23.8	20.3	17.8	15.4	13.6	11.8	10.4	8.9	22
24		31	26.4	22.6	19.3	16.9	14.8	13	11.3	9.9	8.5	24
26		27.6	25.1	21.5	18.4	16.2	14.1	12.5	10.8	9.5	8.1	26
28		24.9	23.9	20.5	17.5	15.5	13.5	12	10.4	9.1	7.8	28
30			23	19.6	16.8	14.8	12.9	11.5	10	8.8	7.5	30
32			20.5	18.8	16.1	14.3	12.4	11.1	9.6	8.4	7.2	32
34			18.9	18.1	15.4	13.7	12	10.6	9.2	8.1	6.9	34
36			17.5	17.5	14.9	13.2	11.5	10.2	8.8	7.8	6.6	36
38				16.8	14.3	12.7	11.1	9.9	8.5	7.5	6.3	38
40				15.6	13.9	12.3	10.7	9.5	8.2	7.2	6.1	40
45				13.3	12.9	11.3	9.9	8.7	7.5	6.6	5.5	45
50					11.5	10.6	9.1	8.1	6.9	6.1	5	50
55					9.5	9.6	8.5	7.5	6.4	5.6	4.6	55
60						8.5	8	7	5.9	5.1	4.2	60
65							7.4	6.6	5.5	4.8	3.8	65
70							6.6	6.3	5.2	4.4	3.5	70
75								5.9	4.9	4.1	3.2	75
80								5.3	4.7	3.9	3	80
85									4.5	3.7	2.7	85
90									4	3.5	2.5	90
95										3.4	2.4	95
100										2.9	2.3	100
105											2.2	105
110											1.9	110

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Lifting capacities

Forces de levage

T



85%

	27 ft			36 ft			45 ft			54 ft			
	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	
10	38.7	28.9		28.8			20.7			16.4			10
11	34.1	26.7		28.4	27.3		20.4			16.2			11
12	29.6	24.8		27.7	25.4		20.1			16			12
13	25.8	23.1	15.3	25.8	23.7		19.9			15.8			13
14	22.7	21.5	13.8	23.2	22.2		19.7	22.5		15.6			14
15	19.9	19.5	12.5	20.6	20.5		19.3	20.8		15.4	20.3		15
16	17.9	18.4	11.3	18.4	19	12	18.5	19.2		15.2	19.9		16
17	16.2	17.3	10.4	16.7	17.9	11	16.8	18.2		15	18.5		17
18	14.8	16.3	9.5	15.3	16.9	10.1	15.5	17.2		14.9	17.6		18
19	13.6	15.5	8.8	14	16	9.4	14.2	16.3	9.3	14.3	16.7		19
20				12.9	15.2	8.7	13.2	15.5	8.7	13.3	15.9		20
22				11.1	13.7	7.4	11.3	14.1	7.6	11.6	14.4	7.3	22
24				9.4	12.5	6.4	9.6	12.8	6.7	10	13.2	6.5	24
26				8.2	11.4	5.5	8.5	11.7	5.9	8.8	12.1	6.1	26
28				7.3	9.9	4.8	7.5	10.5	5.2	7.8	11.2	5.5	28
30							6.7	9.4	4.6	7	10	5	30
32							6	8.7	4	6.3	9.1	4.5	32
34							5.4	8.1	3.5	5.7	8.4	4	34
36							4.9	7.5	3.1	5.2	7.9	3.6	36
38										4.7	7.3	3.2	38
40										4.3	6.9	2.8	40
45										3.6	5.9	2.1	45

0° * = over rear · en arrière

180° ** = over front · en avant

t_260_001_20033_00_000 / 20031_00_000 / 20035_00_000



85%

	27 ft			36 ft			45 ft			54 ft			
	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	0° *	180° **	360°	
10	38.7	38.4		28.8			20.7			16.4			10
11	34.1	35.7		28.4	36.2		20.4			16.2			11
12	29.6	33.3		27.7	33.8		20.1			16			12
13	25.8	30.9	15.3	25.8	31.4		19.9			15.8			13
14	22.7	28.6	13.8	23.2	29.2		19.7	29.5		15.6			14
15	19.9	26.9	12.5	20.6	27.5		19.3	27.7		15.4	27.5		15
16	17.9	25.4	11.3	18.4	26	12	18.5	26.2		15.2	26.4		16
17	16.2	24	10.4	16.7	24.6	11	16.8	24.8		15	25.1		17
18	14.8	22.7	9.5	15.3	23.3	10.1	15.5	23.6		14.9	23.9		18
19	13.6	21.6	8.8	14	22.2	9.4	14.2	22.4	9.3	14.3	22.8		19
20				12.9	21	8.7	13.2	21.2	8.7	13.3	21.7		20
22				11.1	18.5	7.4	11.3	18.8	7.6	11.6	19.2	7.3	22
24				9.4	16.5	6.4	9.6	17.2	6.7	10	17.5	6.5	24
26				8.2	14.5	5.5	8.5	15.4	5.9	8.8	15.7	6.1	26
28				7.3	12.8	4.8	7.5	13.7	5.2	7.8	14.1	5.5	28
30							6.7	12.2	4.6	7	12.8	5	30
32							6	11	4	6.3	11.6	4.5	32
34							5.4	10	3.5	5.7	10.4	4	34
36							4.9	9	3.1	5.2	9.5	3.6	36
38										4.7	8.7	3.2	38
40										4.3	8.1	2.8	40
45										3.6	6.7	2.1	45

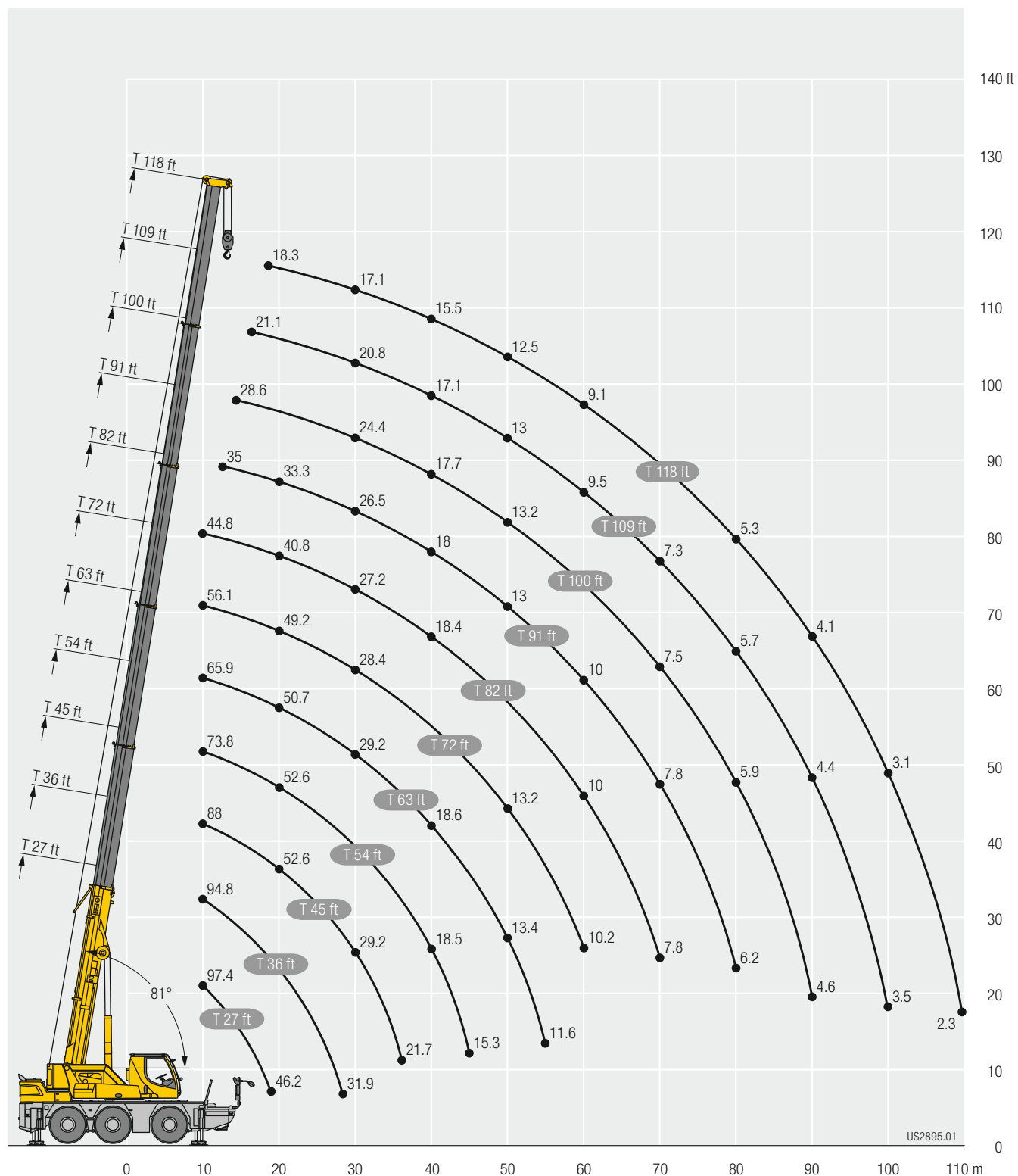
0° * = over rear · en arrière

180° ** = over front · en avant

t_260_001_20043_00_000 / 20041_00_000 / 20045_00_000

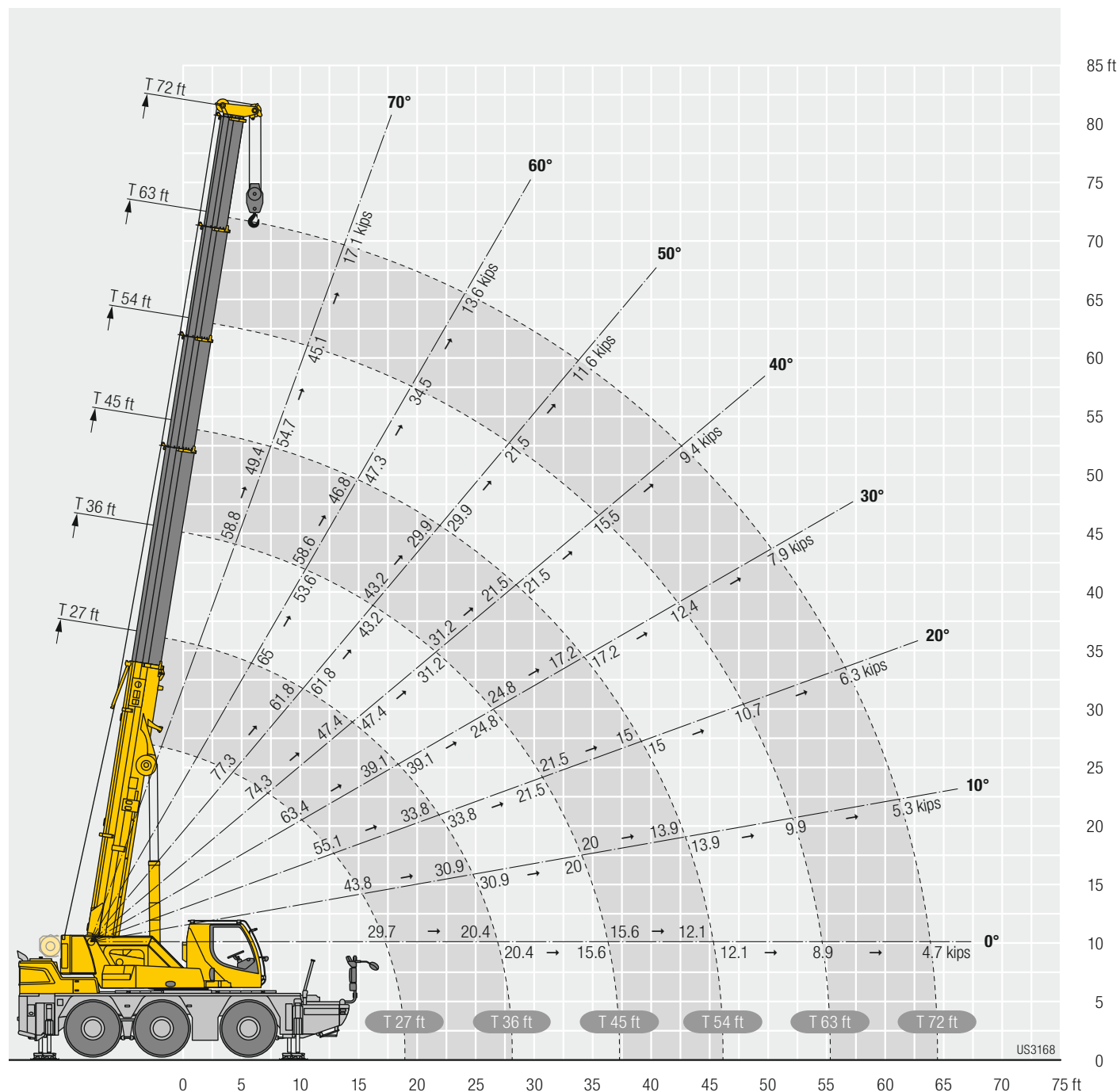
Lifting heights Hauteurs de levage

T



Telescopic loads Capacités de levage en télescopage

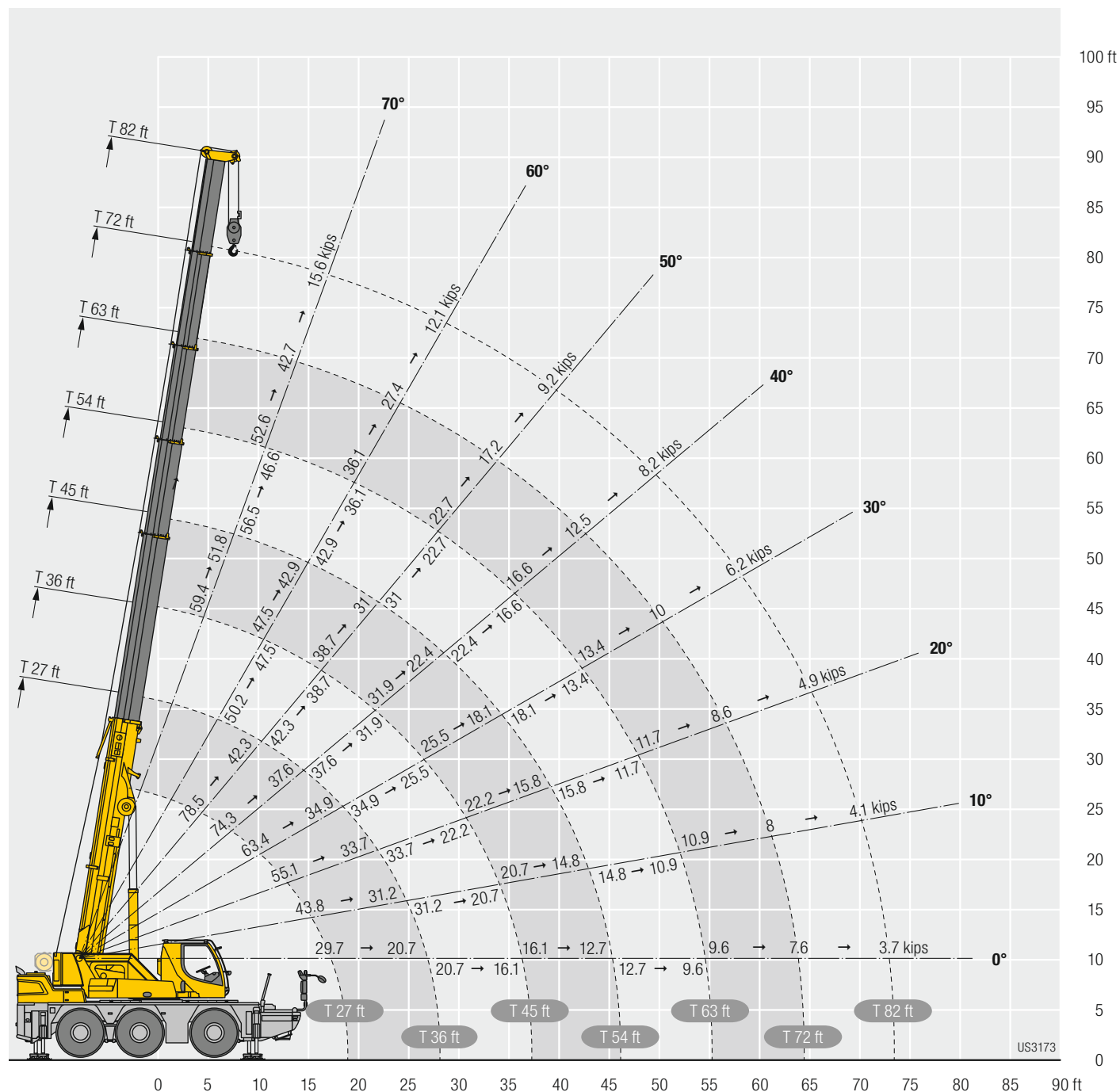
T



ft	T-27	T-36	T-36	T-45	T-45	T-54	T-54	T-63	T-72
Tele 1	0%	0%	0%	0%	0%	0%	0%	50%	100%
Tele 2	0%	0%	0%	0%	0%	50%	50%	50%	50%
Tele 3	0%	0%	0%	50%	50%	50%	50%	50%	50%
Tele 4	0%	50%	50%	50%	50%	50%	50%	50%	50%
Tele 5	0%	0%	0%	0%	0%	0%	0%	0%	0%

Telescopic loads Capacités de levage en télescopage

T



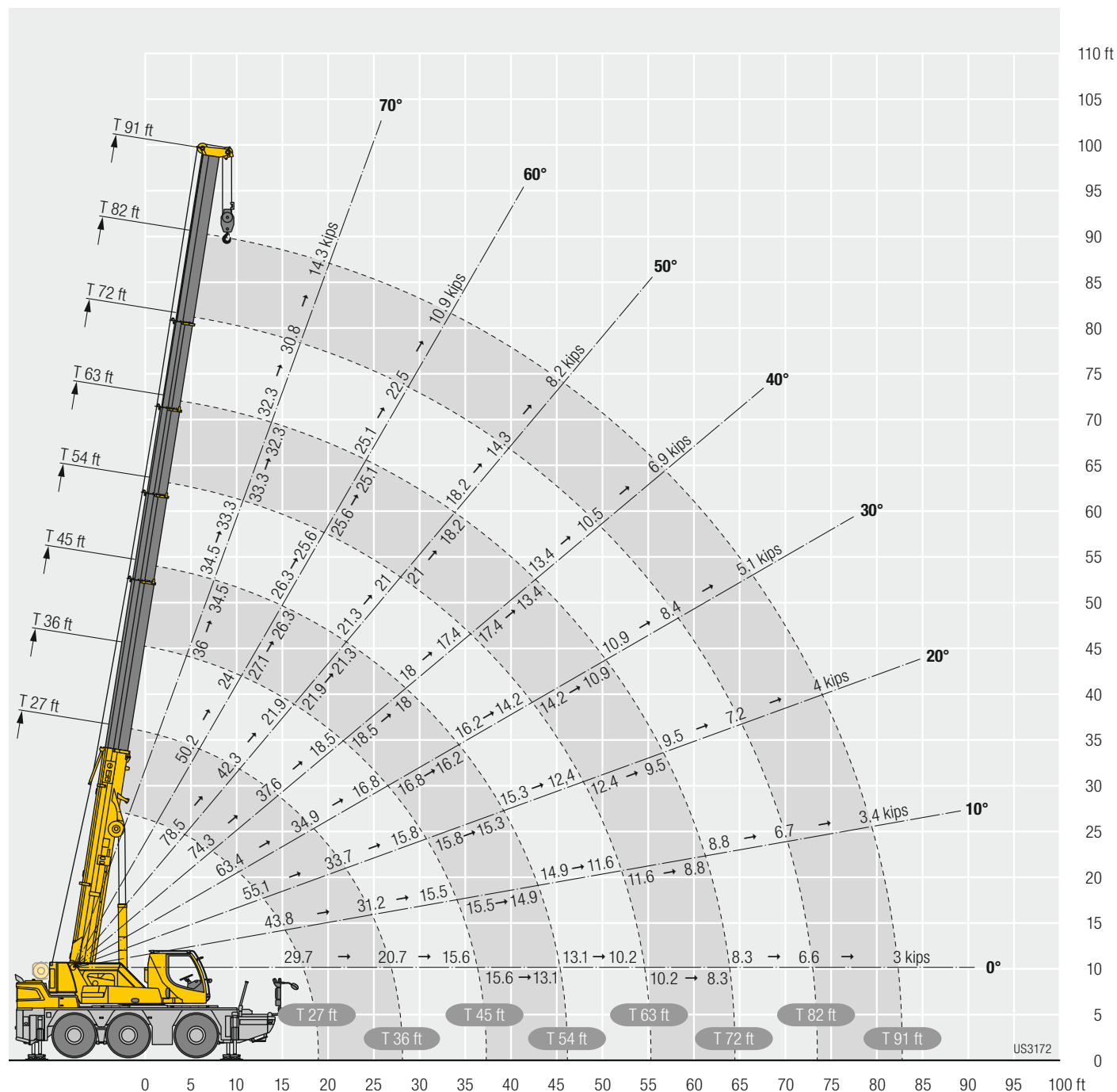
ft	T-27	T-36	T-36	T-45	T-45	T-54	T-54	T-63	T-63	T-72	T-82
Tele 1	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%
Tele 2	0%	0%	0%	0%	0%	0%	0%	50%	50%	50%	50%
Tele 3	0%	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%
Tele 4	0%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%
Tele 5	0%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%

Telescopic loads Capacités de levage en télescopage

T



85%



ft	T-27	T-36	T-45	T-45	T-54	T-54	T-63	T-63	T-72	T-72	T-82	T-91
Tele 1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Tele 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	50%
Tele 3	0%	0%	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%
Tele 4	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%
Tele 5	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

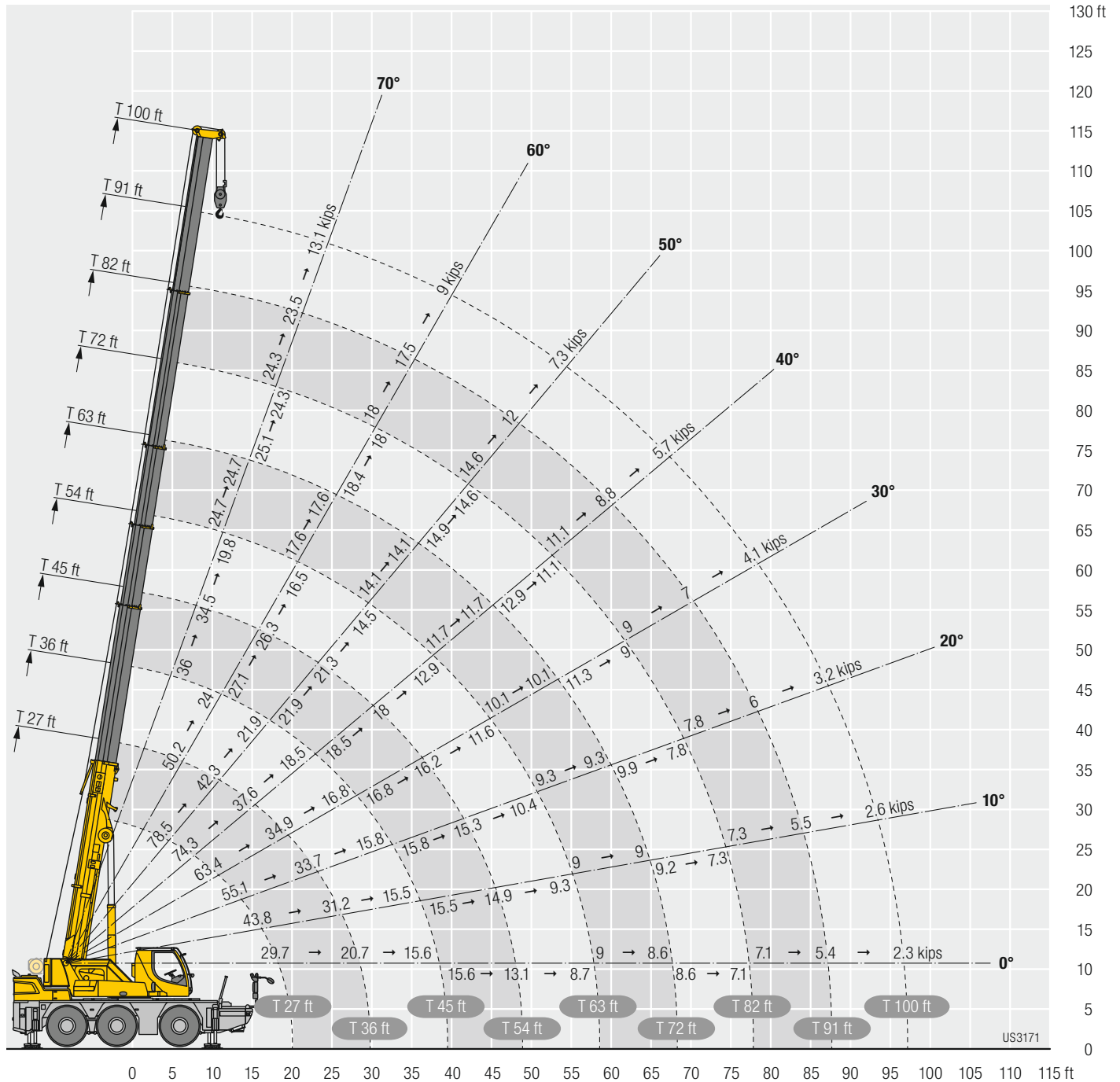
Telescopic loads

Capacités de levage en télescopage

T



85%

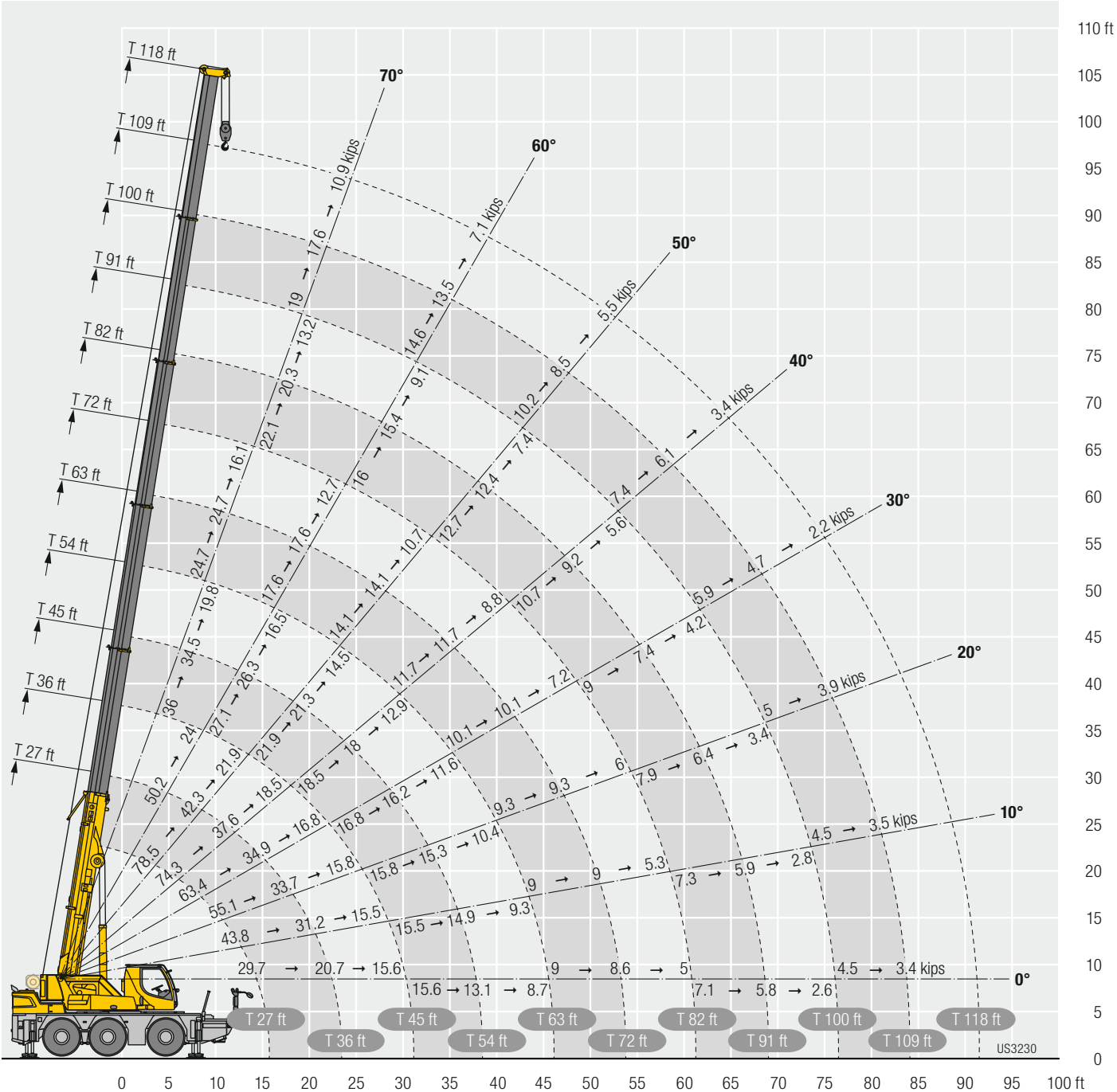
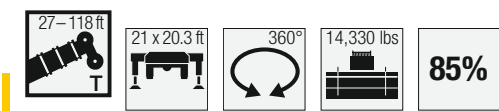


ft	T-27	T-36	T-45	T-45	T-54	T-63	T-63	T-72	T-72	T-82	T-82	T-91	T-100
Tele 1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	100%
Tele 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	50%	50%
Tele 3	0%	0%	0%	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%
Tele 4	0%	0%	0%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%
Tele 5	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Telescopic loads

Capacités de levage en télescopage

T



ft	T-27	T-36	T-45	T-45	T-54	T-63	T-63	T-72	T-82	T-82	T-91	T-100	T-100	T-118	T-118
Tele 1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0% → 50% → 100%	0%
Tele 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Tele 3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Tele 4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Tele 5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%

Lifting capacities
Forces de levage

THK

27-118 ft, 5 ft, 21 x 20.3 ft, 360°, 14,300 lbs, 85%

Table with 8 columns (27 ft, 36 ft, 45 ft, 54 ft, 63 ft, 72 ft) and 10 rows (10-70). Each column contains a 4x4 grid of lifting capacity values for different angles (0°, 20°, 40°, 60°).

t_260_002_01301_00_000 / 01302_00_000 / 01303_00_000 / 01304_00_000

Table with 5 columns (82 ft, 91 ft, 100 ft, 109 ft, 118 ft) and 10 rows (14-110). Each column contains a 4x4 grid of lifting capacity values for different angles (0°, 20°, 40°, 60°).

t_260_002_01301_00_000 / 01302_00_000 / 01303_00_000 / 01304_00_000

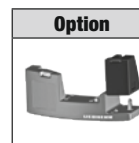
Lifting capacities

Forces de levage

THK



85%



	27 ft 5 ft				36 ft 5 ft				45 ft 5 ft				54 ft 5 ft				63 ft 5 ft				72 ft 5 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
10		55.1	46.8	36			48.5	36.7			49.4	37.1			49.3	37.2				36.9					10
11		55.1	46.2	35.8			47.9	36.4			48.8	36.8			48.9	36.9				36.7					11
12		55.1	45.6	35.7			47.3	36.2			48.3	36.6			48.4	36.7			47.5	36.5				35.8	12
13		55.1	45.1	35.5			46.8	36			47.7	36.3			47.9	36.5			47.1	36.3				35.7	13
14		54.8	44.6	35.4			46.3	35.7			47.2	36.1			47.4	36.2			46.7	36.1				35.6	14
15		53.9	44.3	35.3			45.8	35.6			46.7	35.9			47	36			46.3	35.9			44.4	35.4	15
16	55.1	52.9	44	35.2			45.4	35.4			46.2	35.7			46.5	35.8			45.9	35.6			44	35.3	16
17	55.1	52.1	43.7	35.2			44.9	35.3			45.7	35.5			46.1	35.6			45.5	35.4			43.5	35.1	17
18	55.1	51.5	43.4	35.2			44.5	35.2			45.3	35.3			45.7	35.4			45	35.2			43.1	35	18
19	53	51.1	43.6	35.2			44.1	35.1			44.9	35.1			45.2	35.2			44.7	35			42.7	34.9	19
20	49.2	49.6	43.8	35			43.8	35			44.6	35			44.6	35			43.3	34.8			41.9	34.7	20
22	43.5	43.9	43.9	34.6			43.1	35			44.1	34.8			42.1	34.7			39.5	34.6			36.9	34.5	22
24		38	38.2	35.8	38		38.4	35.1			38.6	34.6			37.1	34.5			34.8	33.9			33.6	33.2	24
26					32.7		33.2	33.7			33.4	34.1			33.1	33.1			31.1	31.6			30.6	30.1	26
28					28.7		29.1	29.5			29.3	29.9			30.1	29.4			29.2	28.4			27.6	27.9	28
30					25.5		25.8	26			26.3	26.5			26.7	26.7			26.3	26.5			25	25.4	30
32					22.8		23	23.2			23.6	23.8			23.9	24.1			23.7	23.9			22.8	23.2	32
34											21.3	21.6			21.6	21.8			21.4	21.6			21	21.2	34
36											19.4	19.6			19.6	19.8			19.4	19.6			18.9	19.2	36
38											17.8	17.9			17.8	18.1			17.7	17.9			17.8	17.7	38
40											16.3	16.4			16.3	16.6			16.2	16.4			16.7	16.5	40
45															13.4	13.5			13.7	13.9			13.7	13.8	45
50															11.6	11.7			11.5	11.7			11.4	11.5	50
55																		9.8	9.9			9.9	10	9.7	55
60																		8.5	8.5			8.5	8.5	8.7	60
65																									65
70																									70

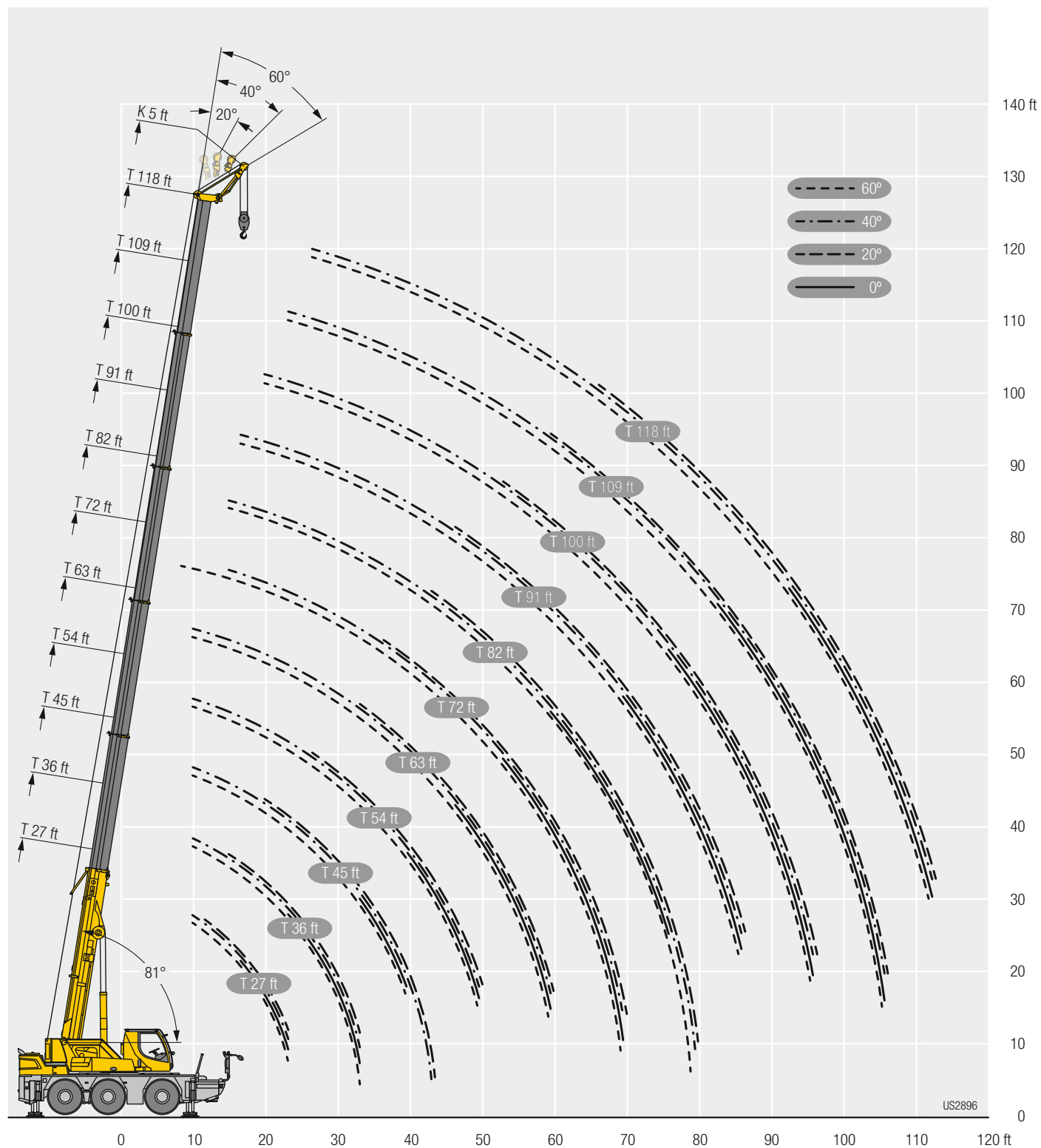
t_260_002_21301_00_000 / 21302_00_000 / 21303_00_000 / 21304_00_000

	82 ft 5 ft				91 ft 5 ft				100 ft 5 ft				109 ft 5 ft				118 ft 5 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
14				34.1																	14
15				34																	15
16				33.9																	16
17			28.3	33.8				31.1													17
18			38.7	33.7				30.8													18
19			38.2	33.5				30.5				23.4									19
20			37.6	33.3			31	30.2				26.1									20
22			35.7	32.3			30.2	29.5				20.4				20					22
24			32.1	31.4			29	28.5				24.8				19.5					24
26			28.8	29.2			27.4	27.3				23.9				19.2					26
28			26.2	26.4			25	25.4				22.9				18.8					28
30			24.1	24.4			22.8	23.1				21.9				18.3					30
32			21.9	22.3			21.4	21.1				20.2				17.8					32
34			20.1	20.4			19.6	19.6				18.5				17.3					34
36			18.8	18.7			18.1	18.3				17.2				16.5					36
38			17.7	17.4			16.6	16.9				16.3				15.5					38
40			16.2	16.4			15.5	15.7				15.3				14.5					40
45			13.5	13.6			13.5	13.7				13				12.7					45
50			11.6	11.7			11.3	11.4				11.4				10.9					50
55			9.7	9.8			9.6	9.7				9.4				9.2					55
60			8.3	8.4			8.3	8.3				8.1				7.7					60
65			7.2	7.3			7.2	7.2				6.9				6.6					65
70			6.2	6.3			6.2	6.3				6				5.7					70
75			5.4	5.5			5.3	5.4				5				4.9					75
80							4.6	4.7				4.3				4.2					80
85							4	4.1				3.6				3.5					85
90												3.1				2.9					90
95												2.6				2.4					95
100																2					100
105																1.6					105

t_260_002_21301_00_000 / 21302_00_000 / 21303_00_000 / 21304_00_000

Lifting heights Hauteurs de levage

THK



Lifting capacities

Forces de levage

TK



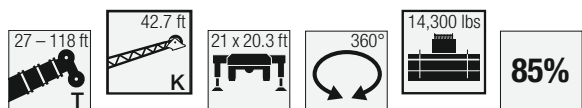
	27 ft 24.6 ft				91 ft 24.6 ft				100 ft 24.6 ft				109 ft 24.6 ft				118 ft 24.6 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
10	15.7																				10
11	15.2	12.2																			11
12	14.8	12.2																			12
13	14.4	12.1																			13
14	13.9	11.8																			14
15	13.5	11.6																			15
16	13.2	11.3			18.9																16
17	12.8	11			18.6																17
18	12.4	10.7	8.5		18.4				16.5												18
19	12.1	10.3	8.5		18.2				16.4												19
20	11.7	10	8.4		17.9				16.3												20
22	10.9	9.6	8.1	6.1	17.5				16.1				14								22
24	10.1	9.3	7.9	6	17	12.3			15.8				13.9				11.8				24
26	9.2	9	7.8	5.9	16.6	12.1			15.6				13.8				11.7				26
28	8.4	8.7	7.6	5.6	16.2	11.9			15.3	11.6			13.6				11.5				28
30	7.9	8.4	7.5		15.7	11.6	8.8		14.9	11.4			13.5	10.9			11.4				30
32	7.4	8.1	7.2		15.4	11.4	8.7		14.6	11.3			13.3	10.6			11.2				32
34	7	7.6	7.1		15	11.2	8.6	6.1	14.3	11.1	8.5		13.2	10.6			11	9.8			34
36	6.6	7	4		14.6	10.9	8.5	6	14.1	10.9	8.4		13	10.4	8.2		10.9	9.7			36
38	6.3	6.6	1.3		14.2	10.5	8.4	6	13.8	10.7	8.3	6	12.9	10.2	8.1		10.7	9.6			38
40	5.9	6.3	1.3		13.9	10.2	8.3	6	13.5	10.4	8.2	5.9	12.7	9.9	8.1	5.9	10.5	9.5	7.8		40
45					13.1	9.8	8.1		12.7	9.8	8	5.9	12.1	9.4	7.9	5.9	10.1	9.1	7.6	5.8	45
50					12	9.4	7.9		11.5	9.4	7.8		11.1	9.2	7.7		9.5	8.6	7.5	5.8	50
55					10.4	9.1	7.7		10.3	9.1	7.7		9.6	9	7.6		9	8.2	7.4		55
60					9.1	8.9	7.6		8.9	8.7	7.6		8.5	8.6	7.5		8.2	7.8	7.3		60
65					8	8.3	7.5		7.8	8.2	7.5		7.8	7.7	7.4		7.1	7.5	7.1		65
70					7.1	7.3	7.4		7.1	7.1	7.4		6.8	7.1	7.1		6.2	6.8	6.9		70
75					6.4	6.5			6.1	6.5	6.6		5.9	6.4	6.6		5.4	5.9	6.3		75
80					5.7	6			5.3	5.8			5.1	5.5	5.8		4.7	5.2	5.5		80
85					5	5.2			4.6	5			4.4	4.8			4	4.4	4.7		85
90					4.4	4.6			4	4.3			3.8	4.1			3.4	3.8			90
95					3.8				3.5	3.8			3.2	3.6			2.8	3.2			95
100					3.4				3	3.2			2.8	3.1			2.4	2.7			100
105									2.6				2.4	2.6			1.9	2.2			105
110									2.2				2				1.6	1.8			110
115													1.6				1.2	1.4			115
120													1.3								120

t_260_003_02301_00_000 / 02302_00_000 / 02303_00_000 / 02304_00_000

Lifting capacities

Forces de levage

TK



	27 ft 42.7 ft				91 ft 42.7 ft				100 ft 42.7 ft				109 ft 42.7 ft				118 ft 42.7 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
10	9																				10
11	8.7																				11
12	8.5																				12
13	8.2																				13
14	7.9																				14
15	7.6																				15
16	7.4																				16
17	7.2				10.5																17
18	7				10.4																18
19	6.8	5.6			10.3				9.8												19
20	6.6	5.6			10.2				9.7												20
22	6.3	5.4			10				9.5				8.5								22
24	6	5.2			9.7				9.2				8.4				7.4				24
26	5.7	5			9.4				9				8.2				7.3				26
28	5.4	4.8			9.1				8.7				8				7.2				28
30	5.1	4.6			8.8				8.5				7.9				7.1				30
32	4.9	4.4	3.8		8.5	5.6			8.2				7.7				7				32
34	4.7	4.3	3.8		8.2	5.5			8	5.5			7.5				6.9				34
36	4.5	4.1	3.7		8	5.4			7.7	5.3			7.3				6.7				36
38	4.4	4	3.6		7.7	5.3			7.5	5.2			7.2	5.1			6.6				38
40	4.2	3.9	3.5	3.1	7.5	5.1			7.3	5.1			7	5			6.5	4.9			40
45	3.8	3.6	3.3	3	6.9	4.9	3.8		6.9	4.9			6.6	4.8			6.2	4.7			45
50	3.6	3.4	3.2	1.4	6.4	4.6	3.7		6.4	4.7	3.7		6.2	4.6	3.7		5.9	4.5			50
55	3.3	3.3	1.5	1.4	6	4.4	3.6	3.1	6	4.5	3.6	3.1	5.9	4.4	3.6		5.6	4.3	3.5		55
60	3.2	1.7			5.6	4.3	3.5	3	5.7	4.3	3.5	3	5.6	4.3	3.5	3	5.4	4.2	3.5	3	60
65					5.3	4.1	3.4		5.4	4.1	3.4		5.3	4.1	3.4	3	5.1	4	3.4	3	65
70					5	3.9	3.4		5.1	4	3.4		5.1	4	3.4		4.9	3.9	3.3		70
75					4.7	3.8	3.3		4.8	3.9	3.3		4.8	3.9	3.3		4.7	3.8	3.3		75
80					4.5	3.7	3.3		4.6	3.7	3.3		4.6	3.8	3.3		4.5	3.7	3.2		80
85					4.2	3.6	3.2		4.3	3.6	3.2		4.3	3.6	3.2		4.2	3.6	3.2		85
90					4	3.5			4.1	3.5	3.2		4.1	3.5	3.2		3.7	3.6	3.2		90
95					3.8	3.4			3.8	3.4			3.6	3.5	3.2		3.2	3.5	3.2		95
100					3.6	3.3			3.3	3.4			3.1	3.4			2.7	3.2	3.1		100
105					3.2	3.3			2.9	3.2			2.6	3.1			2.3	2.7			105
110					2.9				2.5	2.9			2.3	2.6			1.9	2.3			110
115					2.5				2.2	2.5			1.9	2.3			1.5	1.9			115
120					2.2				1.9				1.6	1.9			1.2	1.6			120
125									1.6				1.3				1.2				125
130									1.3												130

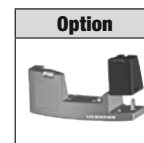
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Lifting capacities Forces de levage

TK



85%



	27 ft 24.6 ft				91 ft 24.6 ft				100 ft 24.6 ft				109 ft 24.6 ft				118 ft 24.6 ft				
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	
10	15.7																				10
11	15.2	12.2																			11
12	14.8	12.2																			12
13	14.4	12.1																			13
14	13.9	11.8																			14
15	13.5	11.6																			15
16	13.2	11.3			18.9																16
17	12.8	11			18.6																17
18	12.4	10.7	8.5		18.4				16.5												18
19	12.1	10.3	8.5		18.2				16.4												19
20	11.7	10	8.4		17.9				16.3												20
22	10.9	9.6	8.1	6.1	17.5				16.1				14								22
24	10.1	9.3	7.9	6	17	12.3			15.8				13.9				11.8				24
26	9.2	9	7.8	5.9	16.6	12.1			15.6				13.8				11.7				26
28	8.4	8.7	7.6	5.6	16.2	11.9			15.3	11.6			13.6				11.5				28
30	7.9	8.4	7.5		15.7	11.6	8.8		14.9	11.4			13.5	10.9			11.4				30
32	7.4	8.1	7.2		15.4	11.4	8.7		14.6	11.3			13.3	10.6			11.2				32
34	7	7.6	7.1		15	11.2	8.6	6.1	14.3	11.1	8.5		13.2	10.6			11	9.8			34
36	6.6	7	4		14.6	10.9	8.5	6	14.1	10.9	8.4		13	10.4	8.2		10.9	9.7			36
38	6.3	6.6	1.3		14.2	10.5	8.4	6	13.8	10.7	8.3	6	12.9	10.2	8.1		10.7	9.6			38
40	5.9	6.3	1.3		13.9	10.2	8.3	6	13.5	10.4	8.2	5.9	12.7	9.9	8.1	5.9	10.5	9.5	7.8		40
45					12.6	9.8	8.1		12.2	9.8	8	5.9	11.6	9.4	7.9	5.9	10.1	9.1	7.6	5.8	45
50					11	9.4	7.9		10.6	9.4	7.8		9.8	9.2	7.7		9.5	8.6	7.5	5.8	50
55					9.6	9.1	7.7		9	9.1	7.7		8.8	9	7.6		8.3	8.2	7.4		55
60					8.3	8.5	7.6		8.2	8.4	7.6		7.8	7.9	7.5		7.1	7.7	7.3		60
65					7.4	7.5	7.5		7.2	7.4	7.4		6.7	7.3	7.3		6.1	6.8	7		65
70					6.5	6.8	6.8		6.1	6.7	6.9		5.8	6.4	6.7		5.2	5.9	6.3		70
75					5.6	6			5.3	5.8	6.1		5	5.5	5.9		4.5	5.1	5.4		75
80					4.9	5.2			4.6	4.9			4.3	4.7	5		3.8	4.3	4.7		80
85					4.2	4.5			3.9	4.3			3.6	4			3.2	3.7	4		85
90					3.7	3.9			3.3	3.6			3.1	3.4			2.7	3.1			90
95					3.2				2.8	3.1			2.6	2.9			2.2	2.6			95
100					2.8				2.4	2.6			2.1	2.4			1.7	2.1			100
105									2				1.8	2			1.4	1.7			105
110									1.7				1.4					1.3			110

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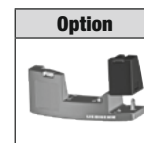
Lifting capacities

Forces de levage

TK



85%

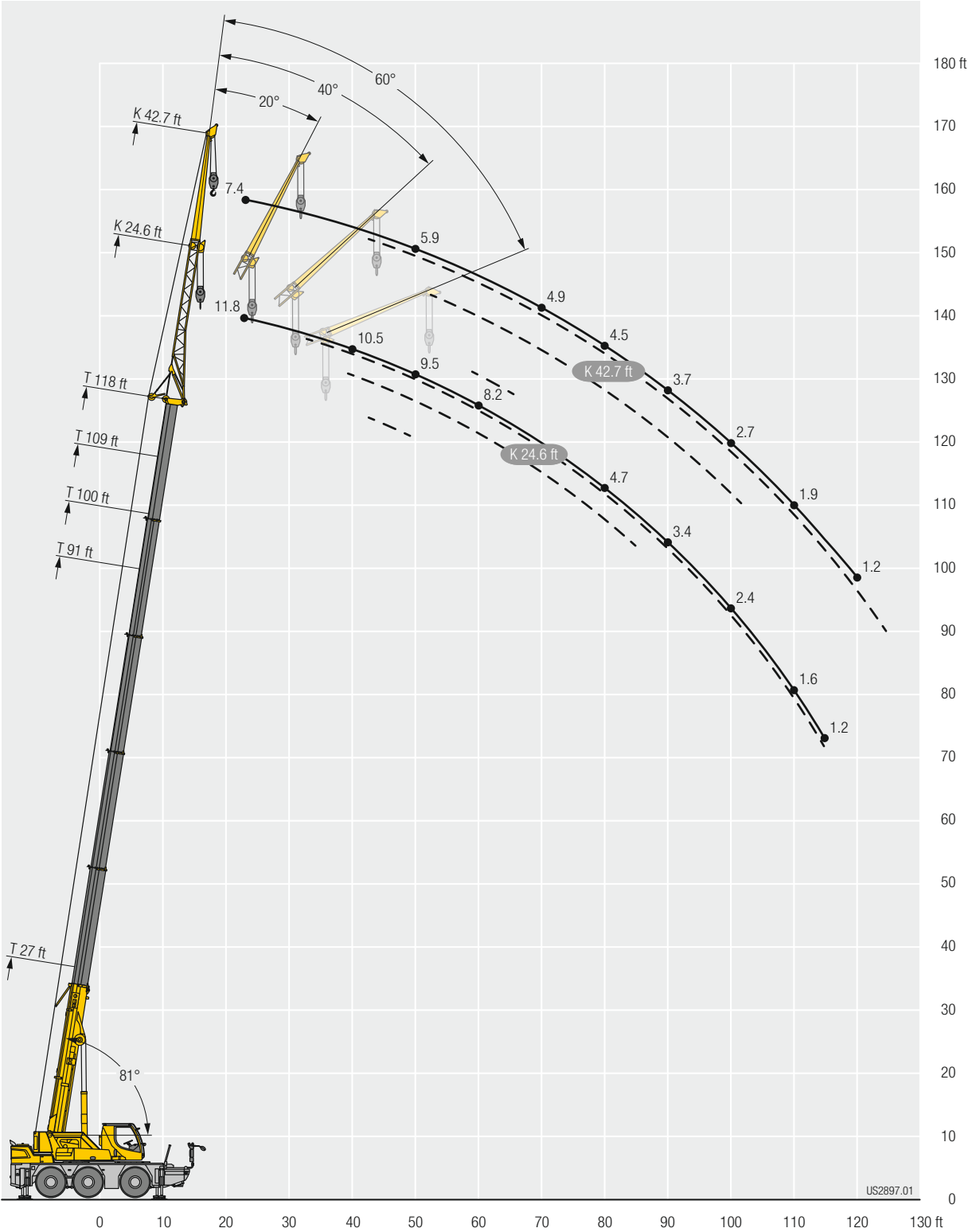


	27 ft				91 ft				100 ft				109 ft				118 ft					
	42.7 ft				42.7 ft				42.7 ft				42.7 ft				42.7 ft					
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°		
10	9																				10	
11	8.7																				11	
12	8.5																				12	
13	8.2																				13	
14	7.9																				14	
15	7.6																				15	
16	7.4																				16	
17	7.2				10.5																17	
18	7				10.4																18	
19	6.8	5.6			10.3				9.8												19	
20	6.6	5.6			10.2				9.7												20	
22	6.3	5.4			10				9.5				8.5								22	
24	6	5.2			9.7				9.2				8.4				7.4				24	
26	5.7	5			9.4				9				8.2				7.3				26	
28	5.4	4.8			9.1				8.7				8				7.2				28	
30	5.1	4.6			8.8				8.5				7.9				7.1				30	
32	4.9	4.4	3.8		8.5	5.6			8.2				7.7				7				32	
34	4.7	4.3	3.8		8.2	5.5			8	5.5			7.5				6.9				34	
36	4.5	4.1	3.7		8	5.4			7.7	5.3			7.3				6.7				36	
38	4.4	4	3.6		7.7	5.3			7.5	5.2			7.2	5.1			6.6				38	
40	4.2	3.9	3.5	3.1	7.5	5.1			7.3	5.1			7	5			6.5	4.9			40	
45	3.8	3.6	3.3	3	6.9	4.9	3.8		6.9	4.9			6.6	4.8			6.2	4.7			45	
50	3.6	3.4	3.2	1.4	6.4	4.6	3.7		6.4	4.7	3.7		6.2	4.6	3.7		5.9	4.5			50	
55	3.3	3.3	1.5	1.4	6	4.4	3.6	3.1	6	4.5	3.6	3.1	5.9	4.4	3.6		5.6	4.3	3.5		55	
60	3.2	1.7			5.6	4.3	3.5	3	5.7	4.3	3.5	3	5.6	4.3	3.5	3	5.4	4.2	3.5	3	60	
65					5.3	4.1	3.4		5.4	4.1	3.4		5.3	4.1	3.4	3	5.1	4	3.4	3	65	
70					5	3.9	3.4		5.1	4	3.4		5.1	4	3.4		4.9	3.9	3.3		70	
75					4.7	3.8	3.3		4.7	3.9	3.3		4.7	3.9	3.3		4.6	3.8	3.3		75	
80					4.4	3.7	3.3		4.5	3.7	3.3		4.4	3.8	3.3		4	3.7	3.2		80	
85					4.2	3.6	3.2		4.2	3.6	3.2		4	3.6	3.2		3.4	3.6	3.2		85	
90					3.9	3.5			3.7	3.5	3.2		3.4	3.5	3.2		2.9	3.5	3.2		90	
95					3.5	3.4			3.2	3.4			2.9	3.4	3.2		2.5	3	3.2		95	
100					3.1	3.3			2.7	3.1			2.5	2.9			2	2.6	3		100	
105					2.7	3			2.3	2.7			2.1	2.5			1.7	2.2			105	
110					2.3				2	2.3			1.7	2.1			1.3	1.8			110	
115					2				1.6	1.9			1.4	1.7				1.4				115
120					1.7				1.4					1.4								120

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Lifting heights Hauteurs de levage

TK



Equipment

Equipment

Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile grain refined 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	Diesel, 6 cylinder, watercooled, make Cummins, output 243 kW (326 h.p.), max. torque 1014 lbs-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel tank capacity: 79 gallons.
Transmission	ZF powershift gearbox with torque converter, lock-up cludge and integrated distribution gearbox with longitudinal differential.
Axles	All axles steered, axles 1 and 3 driven with transverse differential locks.
Suspension	All axles on hydro-pneumatic suspension and lockable hydraulically.
Tyres	6-fold, tyre size: 385/95 R 25 (14.00 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 and 3. Sustained-action brake: engine brake.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 145 Ah each.
Toolbox	Detachable storage box at the front of chassis.

Crane superstructure

Frame	Self-manufactured, torsion-resistant welded design of high-tensile grain refined structural steel. The superstructure is connected with the carrier by a single-row ball bearing slewing ring which enables continuous rotation.
Crane drive	Diesel-hydraulic with 1 variable axial piston pump in open circuit, 1 gear type twin pump driven by the diesel engine of the carrier, 4 working movements simultaneously drivable.
Control	By selfcentering four directional joysticks in the crane cabin and by varying the speed of the diesel engine, electronic precontrol and stepless regulation of all crane movements.
Hoist gear	Axial piston constant motor, rope winch with installed planetary gear and spring loaded, hydraulically releasing holding brake.
Luffing gear	1 differential double ram with safety check valves and hydraulic compensation circuit.
Slewing gear	Axial piston fixed displacement motor, Liebherr planetary gear, spring loaded hydraulically releasing holding brake.
Driver's and crane operator's cab	Spacious corrosion resistant with comfort furnishings, rubber-elastically supported, with safety glazing, Operating and control elements for displacement and crane operation, comfortably equipped, air-conditioning system. For improved visibility cab slidable by telescopic arm and automatically lockable with chassis.
Safety devices	LICCON2 safe load indicator, hoist limit switch, safety valves against pipe and hose rupture.

Telescopic boom	Buckling and torsion resistant design of high- tensile grain refined structural steel with oviform profile, 1 base section and 5 boom sections. All boom sections hydraulically extendable separately by the rapid-cycle telescoping system Telematik. Boom length: 27 ft – 118 ft.
Counterweight	14,330 lbs basic counterweight firmly mounted.
Electrical system	Control of the electric and electronic components by the latest data bus technology.

Additional equipment

K/HK	Single folding jib, 24.6 ft, Double swing-away jib 24.6 ft – 42.7 ft, Adjustment 0°, 20°, 40°, 60°. Assembly jib 5 ft long and incorporated into the swing-away jib (optional pulley set required)..
Pulley set / hook for assembly jib	3 rope pulleys for a max. load capacity of 55,115 lbs. Single hook for max. 55,115 lbs load capacity.
Driver's and crane operator's cab	Lifting of the cab by the telescopic arm.
2 nd hoist gear	For 2-hook operation or at operation with swing-away jib, if the main hoist rope shall remain reeved.
Tyres	6 tyres. Tyre size: 445/95 R 25 (16.00 R 25).
Drive 6 x 6	Additionally the second axle can be activated in off road operation.
Additional brake	Telma Eddy currant brake at the 2 nd axle.

Other items of equipment available on request.

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

Equipment Equipment

Châssis porteur

Cadre	Structure en caisson résistante à la torsion, fabriquée par Liebherr, en acier à grain fin 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	Diesel, 6 cylindres, marque Cummins, refroidissement par eau, puissance 243 kW (326 ch), couple maxi. 1014 lbs-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir carburant: 79 gallons.
Boîte de vitesse	Boîte de vitesse ZF avec convertisseur de couple, embrayage lock-up et boîte de transfert intégrée avec différentiel longitudinal.
Essieux	Tous les essieux sont directeurs, les essieux 1 et 3 sont entraînés avec blocages des différentiels transversaux.
Suspension	Tous les essieux sont suspendus hydro-pneumatiquement et peuvent être bloqués hydrauliquement.
Pneumatiques	6 fois, dimension de pneumatiques : 385/95 R 25 (14.00 R 25)
Direction	2 circuits avec direction assistée hydraulique. Direction active des essieux arrière et dépendante de la vitesse, programmes de direction spéciaux pour les différents modes de déplacement.
Freins	Freins de service : servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main : par cylindres à ressorts, agissant sur les roues des essieux 2 et 3. Frein à régime continu: frein moteur.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 145 Ah chacune.
Caisse à outils	Coffre de rangement amovible sur la partie avant du véhicule.

Partie tournante

Cadre	Structure soudée de fabrication Liebherr, résistante à la torsion, en acier à grains fins très résistant. Une couronne d'orientation à une rangée de billes sert de lien avec le châssis porteur et permet une rotation illimitée.
Entraînement	Diesel-hydraulique avec 1 pompe à débit variable et pistons axiaux dans un circuit hydraulique ouvert, 1 double pompe à engrenages entraînée par le moteur Diesel dans le châssis porteur, 4 mouvements de travail pouvant être exécutés simultanément.
Commande	Commande dans la cabine du grutier via 4 manipulateurs à retour automatique en position neutre et régulation du régime du moteur diesel, servocommande électronique et régulation continue de tous les mouvements de la grue.
Treuil de levage	Moteur à débit constant et pistons axiaux, treuils avec réducteur planétaire intégré et le frein d'arrêt à ressort à desserrage hydraulique.
Mécanisme de levage	1 vérins différentiels double avec clapet de sécurité anti-retour et conduite de compensation hydraulique.
Mécanisme de relevage	Moteur à cylindrée constante et à pistons axiaux, réducteur planétaire Liebherr, frein d'arrêt à ressort à desserrage hydraulique.

Cabine conducteur / du grutier	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», montée sur silentbloc en caoutchouc et dotée de vitres de sécurité, instruments de commande et de contrôle pour la translation et l'utilisation de la grue, équipement de confort, climatisation. Cabine mobile sur le bras télescopique offrant une visibilité optimale et verrouillable automatiquement avec le châssis porteur.
Dispositif de sécurité	Contrôleur de charge LICCON2, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Flèche télescopique	Structure résistante au voilage et à la torsion en acier à grains fins très résistant avec profil de flèche ovale, 1 élément de base et 5 éléments télescopiques. Tous les éléments télescopiques peuvent être sortis individuellement et hydrauliquement grâce au système de télescopage rapide Telematik. Longueur de la flèche : 27 ft à 118 ft.
Contrepoids	Contrepoids de base fixe de 14,330 lbs.
Installation électrique	Technologie de bus de données à la pointe de la technologie pour la commande des composants électriques et électroniques.

Equipment supplémentaire

K/HK	Fléchette pliante simple, longueur 24.6 ft, Double fléchette pliante 24.6 ft – 42.7 ft, Positionnement à 0°, 20°, 40°, 60°. Fléchette de montage 5 ft, intégrée à la fléchette pliante (jeu de poulies, en option, nécessaire).
Jeu de poulie/crochet pour la fléchette de montage	3 poulies de câble pour une capacité de charge de 55,115 lbs max. Crochet simple pour une capacité de charge de 55,115 lbs max.
Cabine conducteur / du grutier	Levage de la cabine au-dessus du bras télescopique.
2ème mécanisme de levage	Pour le fonctionnement en mode 2 crochets ou lors du fonctionnement avec la fléchette pliante, quand le câble de levage principal doit rester moufler.
Pneumatiques	6 pneumatiques. Dimension des pneumatiques : 445/95 R 25 (16.00 R 25).
Entraînement 6 x 6	L'essieu 2 peut également être activé sur le terrain.
Frein complémentaire	Frein de Telma au niveau du 1er essieu.

Autres équipements supplémentaires sur demande.

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

Description of symbols

Explication des symboles

	Max. capacity Capacité max.		Rope diameter Diamètre
	Max. hoist height Hauteur de levage max.		Rope length Longueur du câble
	Max. radius Portée max.		Max. single line pull Effort au brin maxi.
	Vehicle width Largeur du véhicule		Hoist gear Trevil de levage
	Tyres Pneumatiques		Slewing speeds Vitesses d'orientation
	Hookblock / Capacity Moufle à crochet / Capacité de charge		Boom length Longueur de la flèche
	No. of sheaves Poulies		Boom position Position de la flèche
	No. of lines Brins		Counterweight Contrepoids
	Weight Poids		Outriggers Calage
	Crane carrier Châssis porteur		Outriggers – free on tyres Calage – libre sur pneus
	Driving speed Vitesse de translation		Slewing gear / Working area Mécanisme d'orientation / Plage de travail
	Gradability Aptitude à gravir les pentes		Standard Norme
	Transmission Boîte de vitesse		Radius Portée
	Gear Vitesse		Telescopic boom Flèche télescopique
	Crane superstructure Partie tournante de la grue		Folding jib including integral assembly jib Pointe pliante avec pointe de montage incluse
	infinitely variable en continu		

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 kips.
5. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centre.
7. The stated lengths of the telescopic boom are maximum values and may deviate slightly.
8. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
9. Subject to modification of lifting capacities.
10. Lifting capacities above 99,200 lbs only with additional pulley block.
11. The drive and crane cabin is retracted and locked!
12. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4. Les forces de levage sont données en kips.
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 99,200 lbs seulement avec moufle additionnel.
11. La cabine de conduite et du grutier est rétractée et verrouillée!
12. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Proposition 65



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

Subject to modification / Sous réserve de modifications

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