





Mobile Crane/Grue mobile

LTM 1050-3.1



	60 USt
	125 ft
	145 ft
	177 ft

LIEBHERR

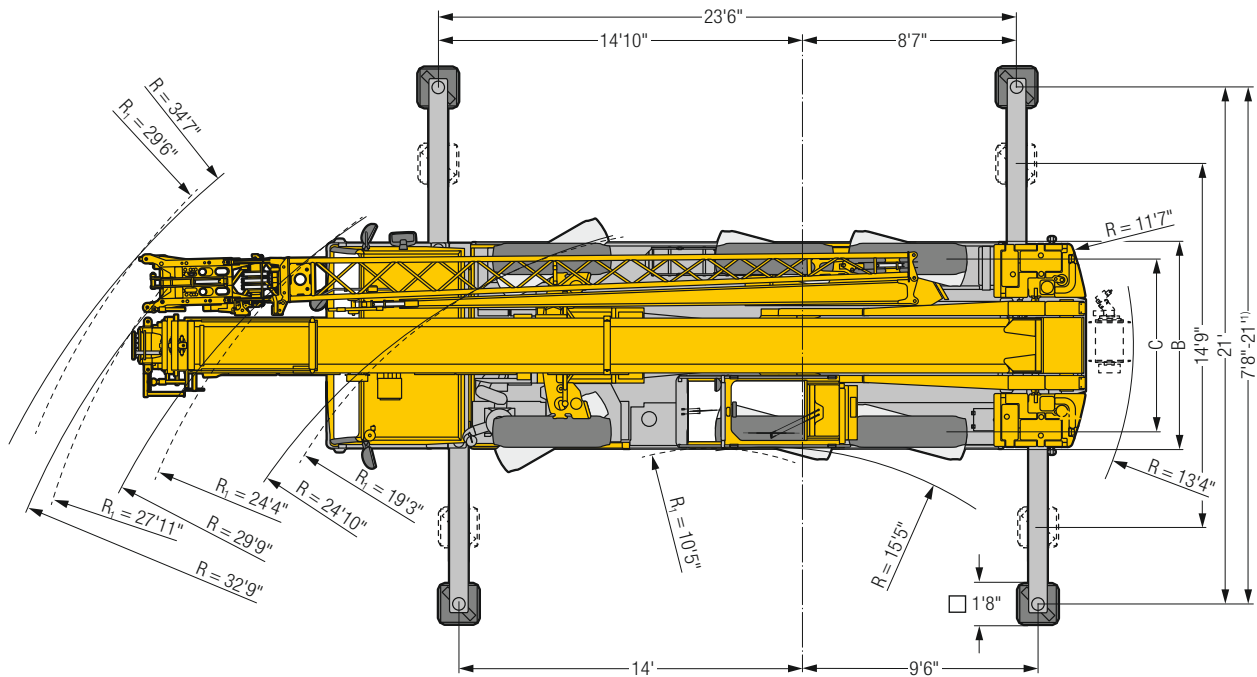
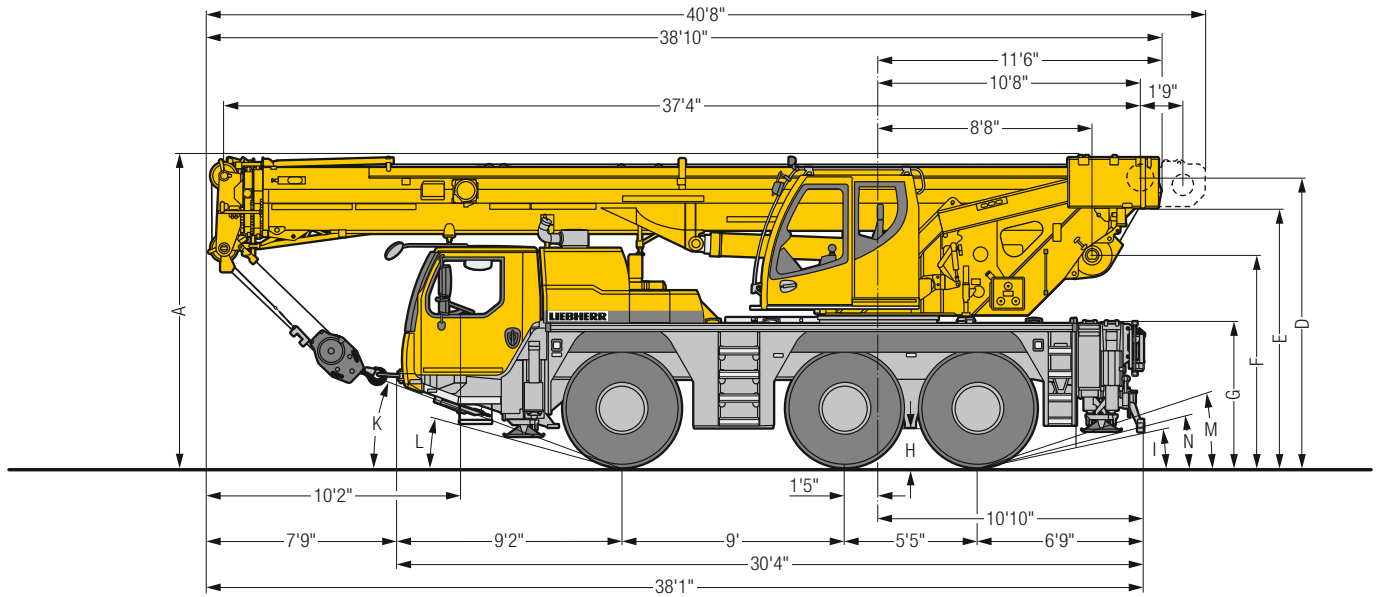
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Dimensions Encombrement



US2172.06

R_i = All-wheel steering · Direction toutes roues

¹⁾ only with VarioBase® · seulement avec VarioBase®

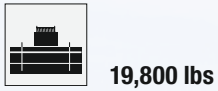
Dimensions/Encombrement

	A	A 4" *	B	C	D	E	F	G	H	I	K	L	M	N
445/95 R 25 (16.00 R 25)	12'7"	12'3"	8'4"	6'11"	11'8"	10'5"	8'6"	5'9"	1'5"	12°	21°	15°	19°	14°
525/80 R 25 (20.5 R 25)	12'7"	12'3"	8'10"	7'1"	11'8"	10'5"	8'6"	5'9"	1'5"	12°	21°	15°	19°	14°

* lowered · abaissé

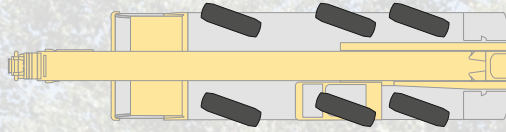
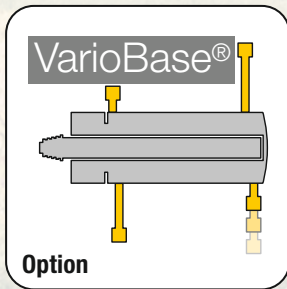
Mobile Crane/Grue mobile

LTM 1050-3.1



€COmode

€COdrive
only with / seulement avec **ZF-TRAXON**



S3244

Variable steering concept
Concept de direction variable



Proven hydro-mechanical telescoping system
Système de télescopage hydromécanique éprouvé



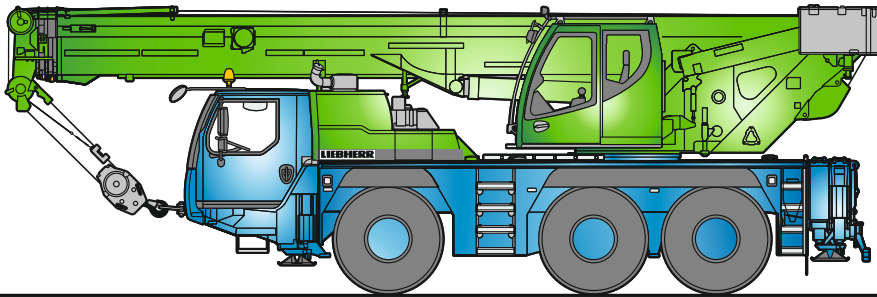
Fuel saving and noise reduction

Economie de carburant et réduction du bruit

€COmode

Automatic regulation of the engine speed during crane mode reduce fuel about 10 %

Régulation automatique de la vitesse du moteur pendant les travaux avec la grue permet de réduire la consommation de carburant jusqu'à env. 10 %



S3245

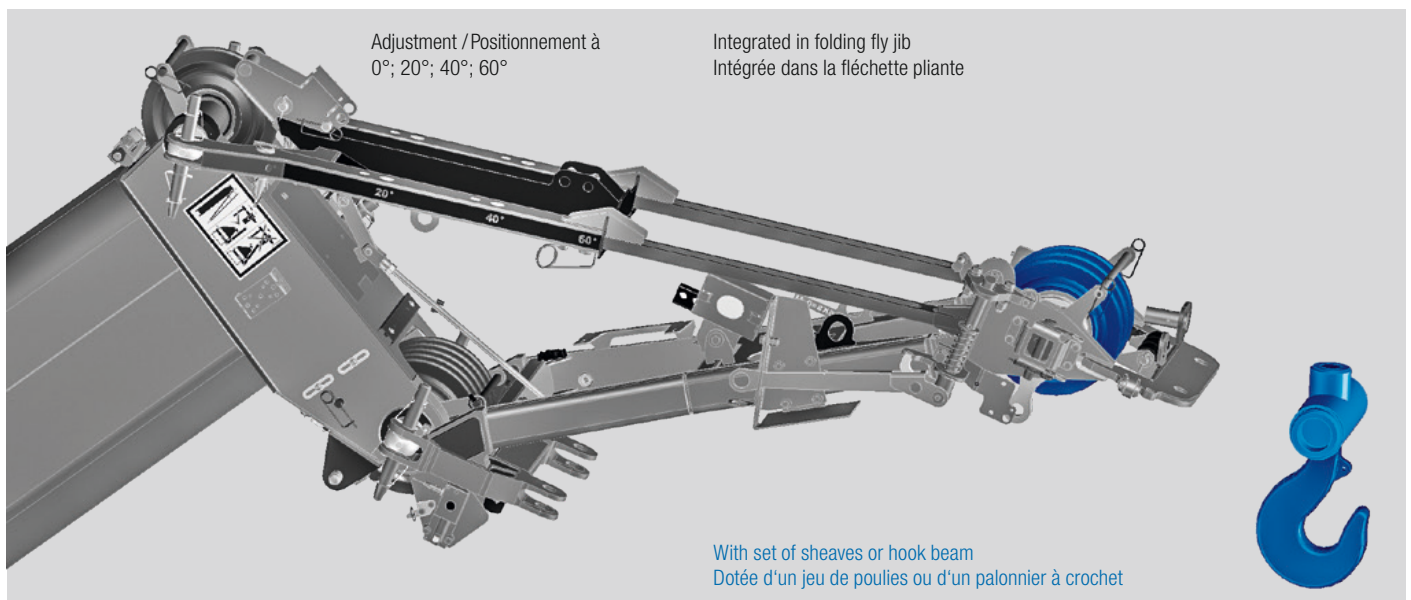
€COdrive

New ZF-TraXon transmission
Nouvelle boîte ZF-TraXon

Driving strategy in the carrier with ECO- or Powermode to reduce noise and fuel
L'adaptation du mode de déplacement avec le mode ECO ou le mode Puissance permet de réduire le niveau sonore et la consommation de carburant

Flexible assembly jib 5 ft

Fléchette de montage flexible 5 ft



Weights Poids



Hook block/Moufles à crochet

110,200 lb	7	12	880 lb
101,650 lb	5	11	880 lb
66,600 lb	3	7	620 lb
29,300 lb	1	3	430 lb
9,920 lb	–	1	165 lb

Working speeds Vitesses

Crane carrier/Châssis porteur

	min.	max.	%
445/95 R 25 (16.00 R 25) 525/80 R 25 (20.5 R 25)	0 – 0.4	53	61.4 %

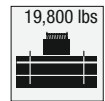
Theoretical gradeability / Aptitude théorique en pente

	12 / R2
	4 / R2

Crane superstructure/Partie tournante

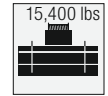
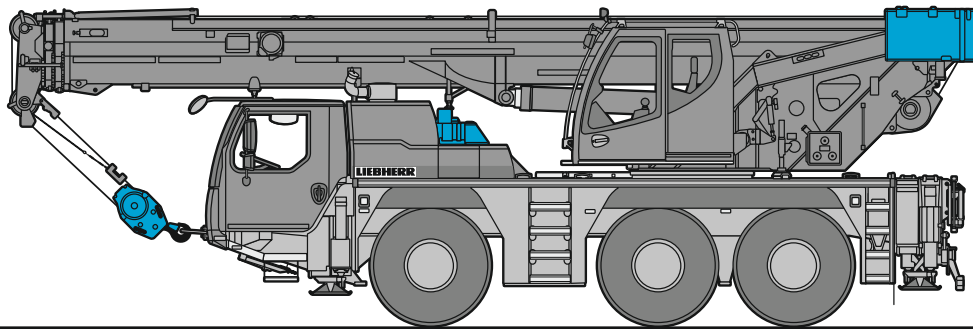
				F
	0 – 394 ft/min single line	0.59°	607 ft	10,125 lb
	0 – 394 ft/min single line	0.59°	607 ft	10,125 lb
	0 – 1.9 rpm			
	approx. 47 seconds to reach 82° boom angle env. 47 s jusqu'à 82°			
	approx. 80 seconds for boom extension from 37 ft – 125 ft env. 80 s pour passer de 37 ft – 125 ft			

Counterweight Contrepoids



Technically transportable
Transport techniquement simplifié

On-road driving Déplacement sur route



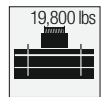
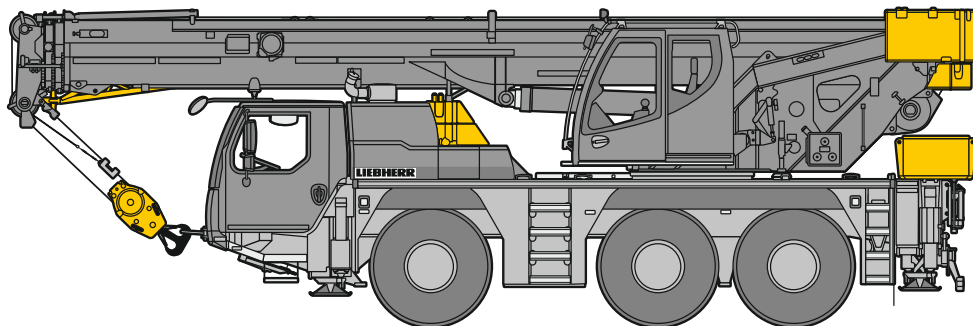
≤ 79,200 lbs

≤ 26,400 lbs

≤ 26,400 lbs ≤ 26,400 lbs

US3045

Jobsite driving Déplacement sur chantier



≤ 87,900 lbs

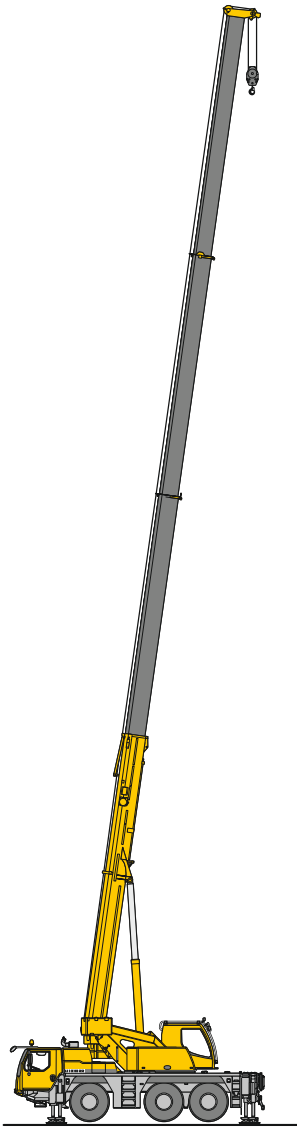
≤ 29,300 lbs

≤ 29,300 lbs ≤ 29,300 lbs

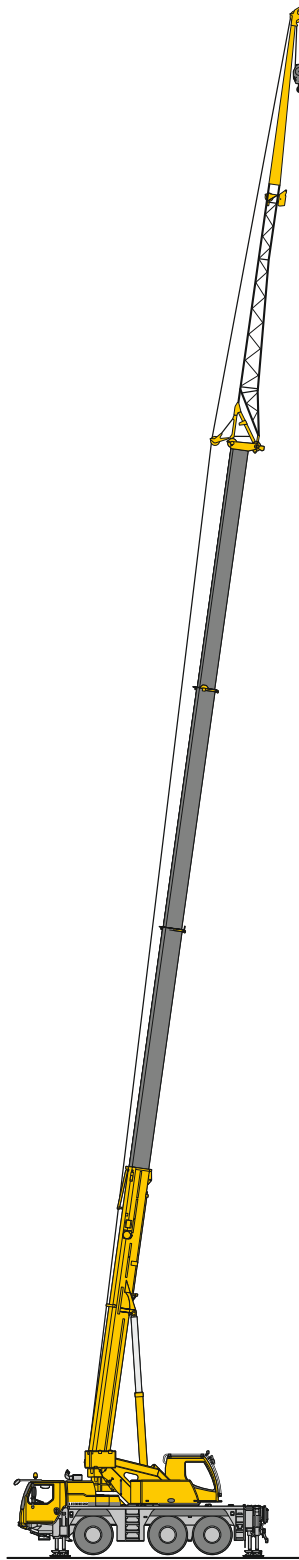
US3246

Boom/jib combinations Configurations de flèche

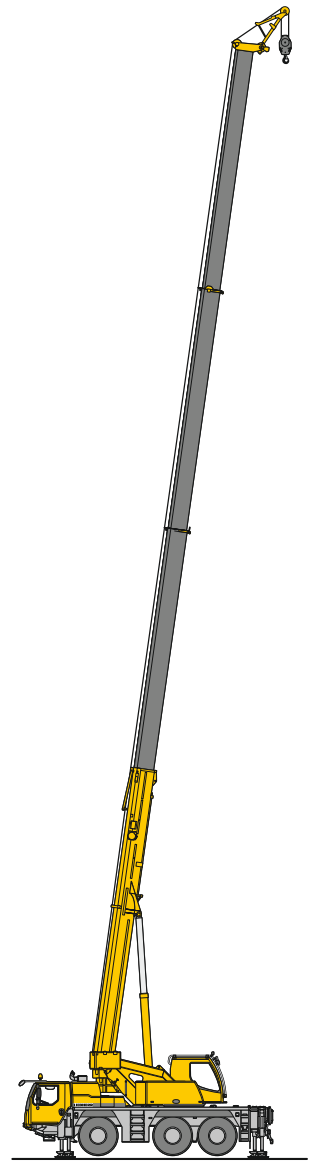
- T** Telescopic boom/Flèche télescopique
- K** Mechanically adjustable folding jib
Pointe pliante réglable mécaniquement
- HK** Mechanically adjustable assembly jib
Fléchette de montage réglable mécaniquement



T
11 – 15



TK
16 – 20



THK
21 – 23

S3046.01



Lifting capacities Forces de levage

T



85%

	37 ft		55 ft		72 ft		90 ft		107 ft		117 ft		125 ft		
	*			**		**		**		**		**		**	
10	110.2	92.6	54.8	44.5	54.2	42.2	37.5	34.9							10
11	104.7	90	56.2	44.5	54.7	42	37.3	34.7							11
12	97.4	85.4	57.4	44.5	55.2	41.9	36.9	34.5							12
13	91.7	81	58.4	44.5	55.4	41.7	36.6	34.3	25.4	23.5					13
14	86.2	76.8	59.2	44.5	55.1	41.6	36.2	34.1	25.3	23.3					14
15	81.3	72.6	60.1	44.5	54.4	41.5	35.8	33.9	25.2	23.1					15
16	76.9	68.9	61	44.5	53.7	41.4	35.4	33.7	25	22.8	21	15.3			16
17	73.1	65.5	62	44.5	52.8	41.4	35	33.5	24.8	22.6	20.9	15.1	16.8	9.3	17
18	69.4	62.1	61.4	44.5	51.8	41.3	34.5	33.3	24.7	22.4	20.9	14.9	16.7	8.6	18
19	66.2	58.7	59.3	44.5	50.9	41.2	34	33.1	24.4	22.2	20.7	14.7	16.6	8.3	19
20	63	55.4	56.3	44.5	49.7	41.2	33.5	32.9	24.2	22	20.6	14.5	16.5	8.1	20
22	57.5	49.9	50.6	44.5	47.4	41.1	32.4	32.3	23.8	21.6	20.4	14.1	16.1	7.8	22
24	49.8	44.7	45.4	44.2	44.8	41	31.1	31.1	23.2	21.2	20	13.8	15.8	7.6	24
26	39.7	39.7	41.2	41.2	41.4	40.5	29.8	29.8	22.6	20.8	19.7	13.4	15.4	7.4	26
28			36.7	36.7	37	37	28.5	28.5	22	20.5	19.2	13.1	15.1	7.1	28
30			33.4	33.4	33.6	33.6	27.2	27.2	21.3	20.2	18.6	12.8	14.8	6.9	30
32			30.2	30.2	30.7	30.7	26	26	20.6	19.9	18	12.5	14.4	6.7	32
34			27.4	27.4	27.6	27.6	24.9	24.9	19.8	18.8	17.5	12.3	14.1	6.5	34
36			25.2	25.2	25.4	25.4	23.8	23.8	19	17.9	17	12	13.8	6.3	36
38			23.3	23.3	23.5	23.5	22.9	22.9	18.1	17.7	16.5	11.7	13.5	6.1	38
40			21.6	21.6	21.7	21.7	21.8	21.8	17.4	17.2	16	11.5	13.2	5.9	40
45					17.7	17.7	17.8	17.8	15.9	15.9	14.9	10.9	12.5	5.5	45
50					15.1	15.1	15.2	15.2	14.8	14.8	13.9	10.5	11.8	5.2	50
55					12.9	12.9	13.2	13.2	13.2	13.2	12.9	9.8	11.1	4.7	55
60					11.1	11.1	11.3	11.3	11.5	11.5	11.5	8.5	10.6	3.7	60
65							9.5	9.5	9.9	9.9	9.5	8.1	9.6	2.9	65
70							8.4	8.4	8.5	8.5	8.4	7.5	8.5	2.3	70
75							7.5	7.5	7.6	7.6	7.5	6.2	7.6		75
80									6.7	6.7	6.7	5.1	6.7		80
85									5.9	5.9	6	4.1	6		85
90									5.2	5.2	5.2	3.3	5.3		90
95									4.6	4.6	4.6	2.6	4.7		95
100											4.1	2	4.1		100
105											3.6		3.6		105
110													3.1		110

* over rear - sur arrière

** telescopic loads - capacités de levage en télescopage

t_185_00011_00_001 / t_185_00111_00_001

Lifting capacities Forces de levage

T



	37 ft	55 ft		72 ft		90 ft		107 ft		117 ft		125 ft		
			**		**		**		**		**		**	
10	92.6	54.8	44.5	54.2	42.2	37.5	34.9							10
11	89.8	56.2	44.5	54.7	42	37.3	34.7							11
12	85.1	57.4	44.5	55.2	41.9	36.9	34.5							12
13	80.5	58.4	44.5	55.4	41.7	36.6	34.3	25.4	23.5					13
14	76	59.2	44.5	55.1	41.6	36.2	34.1	25.3	23.3					14
15	71.8	60.1	44.5	54.4	41.5	35.8	33.9	25.2	23.1					15
16	67.9	61	44.5	53.7	41.4	35.4	33.7	25	22.8	21	15.3			16
17	64.2	62	44.5	52.8	41.4	35	33.5	24.8	22.6	20.9	15.1	16.8	9.3	17
18	60.5	60.8	44.5	51.8	41.3	34.5	33.3	24.7	22.4	20.9	14.9	16.7	8.6	18
19	57.1	57.5	44.5	50.9	41.2	34	33.1	24.4	22.2	20.7	14.7	16.6	8.3	19
20	53.8	54.5	44.5	49.7	41.2	33.5	32.9	24.2	22	20.6	14.5	16.5	8.1	20
22	47.9	48.5	44.5	47	41.1	32.4	32.3	23.8	21.6	20.4	14.1	16.1	7.8	22
24	42.7	43.6	43.6	43.5	40.7	31.1	31.1	23.2	21.2	20	13.8	15.8	7.6	24
26	37.4	38.6	38.6	39	39	29.8	29.8	22.6	20.8	19.7	13.4	15.4	7.4	26
28		34.5	34.5	34.8	34.8	28.5	28.5	22	20.5	19.2	13.1	15.1	7.1	28
30		31.3	31.3	31.5	31.5	27.2	27.2	21.3	20.2	18.6	12.8	14.8	6.9	30
32		28.1	28.1	28	28	26	26	20.6	19.9	18	12.5	14.4	6.7	32
34		25.5	25.5	25.6	25.6	24.9	24.9	19.8	18.8	17.5	12.3	14.1	6.5	34
36		23.3	23.3	23.6	23.6	23.3	23.3	19	17.9	17	12	13.8	6.3	36
38		21.2	21.2	21.6	21.6	21.7	21.7	18.1	17.7	16.5	11.7	13.5	6.1	38
40		19.3	19.3	19.4	19.4	20	20	17.4	17.2	16	11.5	13.2	5.9	40
45				16.2	16.2	16.4	16.4	15.9	15.9	14.9	10.9	12.5	5.5	45
50				13.5	13.5	13.8	13.8	14	14	13.6	10.5	11.8	5.2	50
55				11.4	11.4	11.7	11.7	11.8	11.8	11.8	9.8	11.1	4.7	55
60				9.8	9.8	9.8	9.8	9.9	9.9	10	8.5	9.9	3.7	60
65						8.5	8.5	8.6	8.6	8.5	8.1	8.5	2.9	65
70						7.4	7.4	7.5	7.5	7.4	7.4	7.4	2.3	70
75						6.4	6.4	6.6	6.6	6.5	6.2	6.5		75
80								5.7	5.7	5.7	5.1	5.7		80
85								4.9	4.9	5	4.1	5		85
90								4.3	4.3	4.3	3.3	4.4		90
95								3.7	3.7	3.7	2.6	3.8		95
100										3.2	2	3.3		100
105										2.8		2.8		105
110												2.4		110

** telescopic loads - capacités de levage en télescopage

t_185_00113_00_001

Lifting capacities Forces de levage

T



	37 ft	55 ft		72 ft		90 ft		107 ft		117 ft		125 ft		
			**		**		**		**		**		**	
10	92.6	54.8	44.5	54.2	42.2	37.5	34.9							10
11	89.7	56.2	44.5	54.7	42	37.3	34.7							11
12	84.8	57.4	44.5	55.2	41.9	36.9	34.5							12
13	80	58.4	44.5	55.4	41.7	36.6	34.3	25.4	23.5					13
14	75.4	59.2	44.5	55.1	41.6	36.2	34.1	25.3	23.3					14
15	71.2	60.1	44.5	54.4	41.5	35.8	33.9	25.2	23.1					15
16	67.1	60.9	44.5	53.7	41.4	35.4	33.7	25	22.8	21	15.3			16
17	63.2	61.6	44.5	52.8	41.4	35	33.5	24.8	22.6	20.9	15.1	16.8	9.3	17
18	59.4	60.1	44.5	51.8	41.3	34.5	33.3	24.7	22.4	20.9	14.9	16.7	8.6	18
19	55.9	56.5	44.5	50.9	41.2	34	33.1	24.4	22.2	20.7	14.7	16.6	8.3	19
20	52.5	53.3	44.5	49.5	41.2	33.5	32.9	24.2	22	20.6	14.5	16.5	8.1	20
22	46.4	47.2	44.5	45.8	41.1	32.4	32.3	23.8	21.6	20.4	14.1	16.1	7.8	22
24	40.8	41.6	41.6	40.6	40	31.1	31.1	23.2	21.2	20	13.8	15.8	7.6	24
26	35.8	36.7	36.7	36.1	36.1	29.8	29.8	22.6	20.8	19.7	13.4	15.4	7.4	26
28		32.8	32.8	32.4	32.4	28.5	28.5	22	20.5	19.2	13.1	15.1	7.1	28
30		29.3	29.3	29.3	29.3	27.2	27.2	21.3	20.2	18.6	12.8	14.8	6.9	30
32		26.3	26.3	26.6	26.6	25.5	25.5	20.6	19.9	18	12.5	14.4	6.7	32
34		23.8	23.8	24.2	24.2	23.4	23.4	19.8	18.8	17.5	12.3	14.1	6.5	34
36		21.5	21.5	21.9	21.9	21.5	21.5	19	17.9	17	12	13.8	6.3	36
38		19.5	19.5	19.9	19.9	19.9	19.9	18.1	17.7	16.5	11.7	13.5	6.1	38
40		17.8	17.8	18.2	18.2	18.5	18.5	17.3	17.2	16	11.5	13.2	5.9	40
45				14.9	14.9	15.1	15.1	14.9	14.9	14.5	10.9	12.5	5.5	45
50				12.3	12.3	12.6	12.6	12.7	12.7	12.5	10.5	11.8	5.2	50
55				10.4	10.4	10.6	10.6	10.8	10.8	10.7	9.8	10.5	4.7	55
60				8.8	8.8	8.9	8.9	9	9	8.9	8.5	8.9	3.7	60
65						7.7	7.7	7.7	7.7	7.6	7.6	7.6	2.9	65
70						6.6	6.6	6.7	6.7	6.6	6.6	6.6	2.3	70
75						5.7	5.7	5.8	5.8	5.8	5.8	5.8	1.7	75
80								5	5	5	5	5		80
85								4.3	4.3	4.3	4.1	4.4		85
90								3.7	3.7	3.7	3.3	3.8		90
95								3.1	3.1	3.2	2.6	3.2		95
100										2.7	2	2.7		100
105										2.3		2.3		105
110												1.9		110

** telescopic loads - capacités de levage en télescopage

t_185_00116_01_000

Lifting capacities

Forces de levage

T



19,800 lbs
15,400 lbs
12,800 lbs

85%

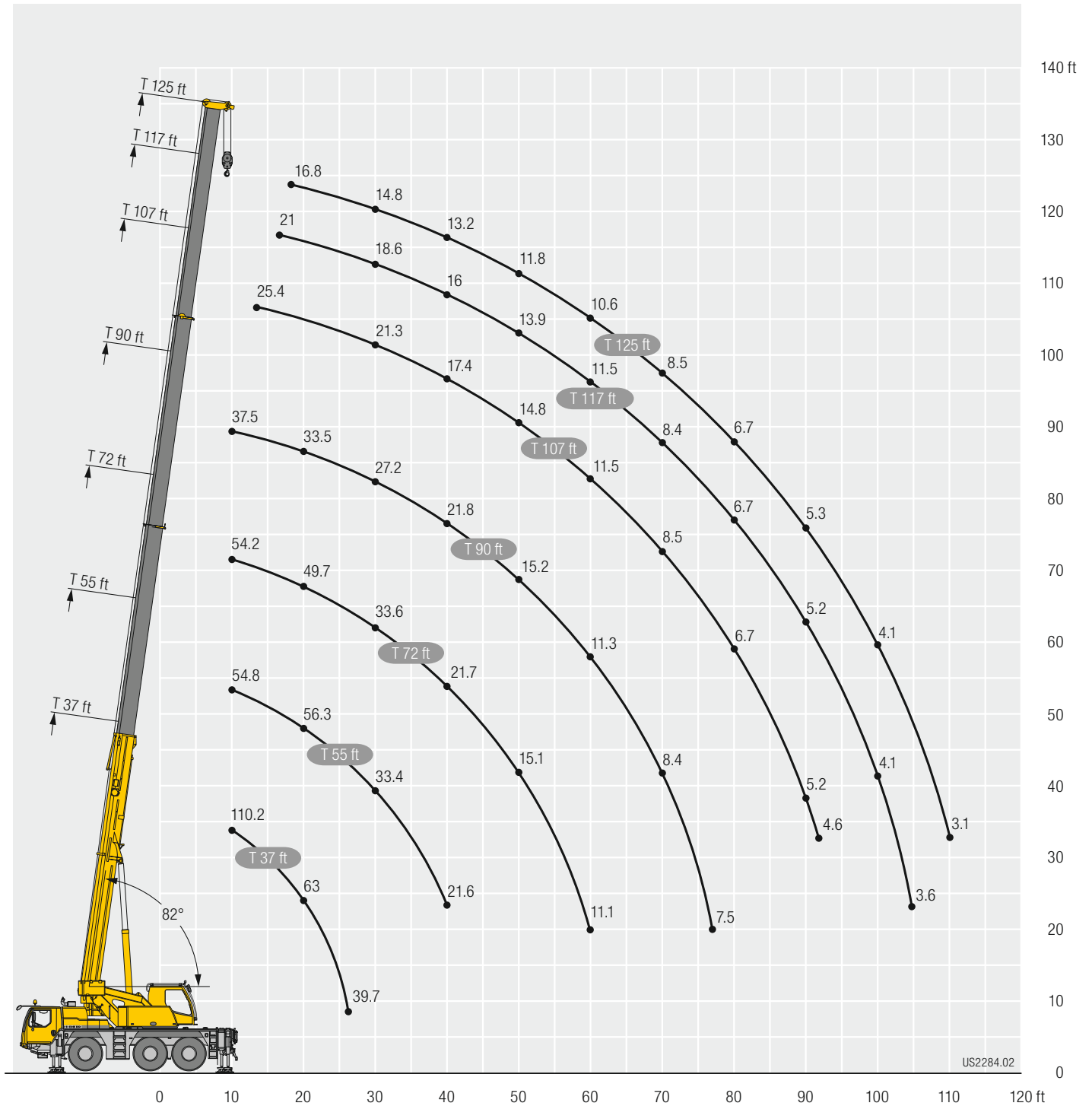
	37 ft						55 ft														
	19800 lbs		15400 lbs		12800 lbs		19800 lbs				15400 lbs				12800 lbs						
	0°	360°	0°	360°	0°	360°	0°	**	360°	**	0°	**	360°	**	0°	**	360°	**			
10			29.8		27.2															10	
11			27.1		24.7					24.4	24.4									11	
12			24.6		22.4					22.5	22.5				20.5	20.5				12	
13			22.2		20.1					20.8	20.8				18.9	18.9				13	
14	22.8		20		18.1					19.2	19.2				17.5	17.5				14	
15	20.7		18.1		16.3					17.9	17.9				16.3	16.3				15	
16	18.9		16.5		14.8					16.7	16.7				15.1	15.1				16	
17	17.4		15.1		13.6		17.8	17.8		15.6	15.6				14.1	14.1				17	
18	16		13.8		12.4	9.7	16.7	16.7		14.6	14.6				13.1	13.1				18	
19	14.8		12.7	10.2	11.4	8.8	15.7	15.7		13.6	13.6				12.2	12.2				19	
20	13.7		11.7	9.3	10.4	8	14.6	14.6		12.6	12.6				11.3	11.3				20	
22	11.8		10	7.8	8.8	6.6	12.7	12.7		10.9	10.9	8.8	8.8		9.7	9.7	7.6	7.6		22	
24	10.2	8.2	8.5	6.5	7.4	5.4	11.1	11.1		9.5	9.5	7.4	7.4		8.4	8.4	6.3	6.3		24	
26	8.9	6.9	7.3	5.4	6.2	4.4	9.8	9.8		8.2	8.2	6.4	6.4		7.2	7.2	5.3	5.3		26	
28							8.6	8.6		7.1	7.1	5.4	5.4		6.2	6.2	4.4	4.4		28	
30							7.6	7.6	5.9	5.9		6.2	6.2	4.6	4.6		5.3	5.3	3.6	3.6	30
32							6.7	6.7	5.2	5.2	5.4	5.4	3.9	3.9	4.6	4.6	2.8	2.8			32
34							5.9	5.9	4.5	4.5	4.7	4.7	3.2	3.2	3.9	3.9	2.1	2.1			34
36							5.2	5.2	3.8	3.8	4.1	4.1	2.4	2.4	3.3	3.3					36
38							4.6	4.6	3.3	3.3	3.5	3.5	1.9	1.9	2.6	2.6					38
40							4	4	2.8	2.8	3	3			2.1	2.1					40

** telescopic loads - capacités de levage en télescopage

t_185_03111_00_001 / 03211_00_001 / 03113_00_001 / 03213_00_001 / 03116_01_000 / 03216_01_000

Lifting heights Hauteurs de levage

T



Lifting capacities Forces de levage

TK



	37 ft				90 ft								107 ft								
	30 ft				30 ft								30 ft								
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
10	13.5																				
11	13.3																				
12	13.2																				
13	13.1	11.6			14.2	14.2															
14	12.9	11.5			14.1	14.1															
15	12.8	11.3			14.1	14.1															
16	12.6	11.2			14	14															
17	12.5	11			14	14							11.7	11.7							
18	12.3	10.9			13.9	13.9							11.7	11.7							
19	12.2	10.7			13.9	13.9							11.7	11.7							
20	12	10.6			13.8	13.8							11.7	11.7							
22	11.7	10.3			13.7	13.7							11.6	11.6							
24	11.4	10.1	8.5		13.5	13.5	11.5	11.5					11.5	11.5							
26	11.1	9.7	8.4	6.3	13.4	13.4	11.4	11.4					11.5	11.5							
28	10.8	9.3	8.2	6.2	13.2	13.2	11.2	11.2					11.3	11.3	9.2	9.2					
30	10.5	8.9	8.1	6.1	13.1	13.1	11	11					11.2	11.2	9.1	9.1					
32	10.2	8.7	8	6.1	12.9	12.9	10.9	10.9	8.7	8.7			11.1	11.1	9.1	9.1					
34	10	8.5	7.9	6	12.8	12.8	10.7	10.7	8.6	8.6			11	11	9.1	9.1					
36	9.7	8.4	7.8	6	12.6	12.6	10.5	10.5	8.5	8.5			10.9	10.9	9	9					
38	9.4	8.2	7.8	6	12.4	12.4	10.4	10.4	8.4	8.4	6.2	6.2	10.8	10.8	9	9	8.2	8.2			
40	9	8.1	7.7	6	12.3	12.3	10.2	10.2	8.3	8.3	6.2	6.2	10.6	10.6	8.9	8.9	8.1	8.1			
45	8.3	7.9	7.7		11.8	11.8	9.9	9.9	8.2	8.2	6.1	6.1	10	10	8.8	8.8	8	8	6.1	6.1	
50	7.6	7.8			11.4	11.4	9.3	9.3	8	8	6	6	9.8	9.8	8.7	8.7	7.9	7.9	6	6	
55	7	7.2			10.9	10.9	8.8	8.8	7.9	7.9	6	6	9.6	9.6	8.6	8.6	7.8	7.8	6	6	
60					10.5	10.5	8.6	8.6	7.8	7.8	6	6	9.2	9.2	8.4	8.4	7.7	7.7	6	6	
65					10	10	8.4	8.4	7.8	7.8			8.7	8.7	8.2	8.2	7.6	7.6	6	6	
70					8.8	8.8	8.2	8.2	7.7	7.7			8.2	8.2	7.9	7.9	7.6	7.6	6	6	
75					7.8	7.8	8	8	7.7	7.7			7.6	7.6	7.6	7.6	7.5	7.5			
80					7	7	7.4	7.4	7.5	7.5			6.8	6.8	7.2	7.2	7.2	7.2			
85					6.3	6.3	6.6	6.6	6.8	6.8			6.1	6.1	6.5	6.5	6.7	6.7			
90					5.6	5.6	5.9	5.9					5.4	5.4	5.8	5.8	6	6			
95					5	5	5.2	5.2					4.8	4.8	5.1	5.1	5.4	5.4			
100					4.4	4.4	4.6	4.6					4.2	4.2	4.5	4.5	4.7	4.7			
105					3.9	3.9							3.7	3.7	4	4					
110													3.2	3.2	3.4	3.4					
115													2.8	2.8	3	3					
120													2.4	2.4							
125													2.1	1.7							
130																					
135																					

** telescopic loads - capacités de levage en télescopage

t_185_01111_01_000

	117 ft								125 ft								
	30 ft								30 ft								
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
20	10.4	10.4															
22	10.3	10.3							8.6	6.5							
24	10	10							8.6	6.2							
26	9.6	9.6							8.6	5.9							
28	9.5	9.5							8.5	5.7							
30	9.4	9.3							8.5	5.5							
32	9.3	9.1	8.1	8.1					8.4	5.3							
34	9.2	8.9	8	8					8.4	5.1	7.4	4.8					
36	9.1	8.7	8	8					8.3	4.9	7.4	4.6					
38	9	8.5	7.9	7.9					8.2	4.7	7.4	4.5					
40	8.9	8.3	7.9	7.8	7.4	7.4			8.1	4.5	7.3	4.3					
45	8.8	7.8	7.8	7.4	7.3	7.2	6.1	6.1	7.9	4.1	7.1	3.9	6.7	3.8			
50	8.6	7.4	7.8	7	7.3	6.8	6	6	7.6	3.7	6.8	3.6	6.4	3.5	6.1	3.3	
55	8.5	7	7.7	6.7	7.3	6.5	6	6	7.2	3.4	6.5	3.2	6.1	2.9	5.9	2.7	
60	8.4	6.6	7.7	6.4	7.3	6.2	6	6	6.8	2.8	6.2	2.6	5.8	2.4	5.7	2.3	
65	8.1	6.3	7.6	6.1	7.3	5.9	6	5.8	6.5	2	6	2	5.6	1.9	5.5	1.9	
70	7.7	6	7.6	5.8	7.3	5.6	6	5.6	6.2	1.4	5.7	1.6	5.4	1.5	5.3	1.5	
75	7.3	5.7	7.3	5.5	7.2	5.4	6	5.3	5.9		5.5		5.2		5.2		
80	6.7	5.5	6.9	5.3	6.9	5.2			5.7		5.2		5		5		
85	6	4.5	6.4	4.6	6.6	4.6			5.4		5		4.9				
90	5.3	3.6	5.7	3.8	6	3.8			5.2		4.9		4.7				
95	4.7	2.8	5.1	3	5.3	3.1			4.7		4.7		4.6				
100	4.1	2.2	4.5	2.4	4.7	2.5			4.1		4.5		4.5				
105	3.6	1.6	3.9	1.9	4.1	2			3.6		4		4.2				
110	3.1		3.4	1.4					3.1		3.4		3.6				
115	2.7		2.9						2.7		3						
120	2.3		2.5						2.3		2.5						
125	2		2.1						2		2.2						
130	1.7								1.7		1.8						
135	1.4								1.4		1.5						

** telescopic loads - capacités de levage en télescopage

t_185_01111_01_000

Lifting capacities

Forces de levage

TK



	37 ft 52 ft				90 ft 52 ft								107 ft 52 ft									
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**		
10	5.9																					10
11	6																					11
12	6.1																					12
13	6.1																					13
14	6.2																					14
15	6.2																					15
16	6.1				6.5	6.5																16
17	6.1				6.5	6.5																17
18	6				6.5	6.5																18
19	6				6.5	6.5							5.7	5.7								19
20	5.9				6.4	6.4							5.7	5.7								20
22	5.8				6.4	6.4							5.7	5.7								22
24	5.7	5.1			6.3	6.3							5.7	5.7								24
26	5.5	4.9			6.3	6.3							5.7	5.7								26
28	5.4	4.8			6.2	6.2							5.6	5.6								28
30	5.3	4.7			6.1	6.1							5.6	5.6								30
32	5.1	4.6			6.1	6.1							5.5	5.5								32
34	5	4.5			6	6	5.1	5.1					5.5	5.5								34
36	4.9	4.4			6	6	5	5					5.5	5.5								36
38	4.8	4.3	3.8		5.9	5.9	4.9	4.9					5.4	5.4								38
40	4.7	4.2	3.8		5.8	5.8	4.8	4.8					5.4	5.4	4.6	4.6						40
45	4.4	4	3.6		5.6	5.6	4.6	4.6					5.2	5.2	4.5	4.5						45
50	4.2	3.8	3.5	3.2	5.4	5.4	4.5	4.5	3.8	3.8			5.1	5.1	4.4	4.4						50
55	4	3.7	3.4	3.1	5.2	5.2	4.3	4.3	3.7	3.7			5	5	4.2	4.2	3.6	3.6				55
60	3.8	3.5	3.3	3.1	5	5	4.2	4.2	3.6	3.6	3.2	3.2	4.8	4.8	4.1	4.1	3.6	3.6				60
65	3.6	3.4	3.3		4.8	4.8	4.1	4.1	3.5	3.5	3.2	3.2	4.7	4.7	4	4	3.5	3.5	3.2	3.2		65
70	3.5	3.4	3.3		4.7	4.7	3.9	3.9	3.5	3.5	3.1	3.1	4.6	4.6	3.9	3.9	3.5	3.5	3.1	3.1	3.1	70
75	3.4	3.4			4.5	4.5	3.8	3.8	3.4	3.4	3.1	3.1	4.4	4.4	3.8	3.8	3.4	3.4	3.1	3.1	3.1	75
80					4.3	4.3	3.8	3.8	3.4	3.4	3.1	3.1	4.3	4.3	3.7	3.7	3.4	3.4	3.1	3.1	3.1	80
85					4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	3.1	85
90					4	4	3.6	3.6	3.3	3.3			4.1	4.1	3.6	3.6	3.3	3.3	3.1	3.1		90
95					3.9	3.9	3.5	3.5	3.3	3.3			4	4	3.5	3.5	3.3	3.3				95
100					3.8	3.8	3.5	3.5	3.3	3.3			3.9	3.9	3.5	3.5	3.3	3.3				100
105					3.7	3.7	3.4	3.4	3.3	3.3			3.7	3.7	3.4	3.4	3.3	3.3				105
110					3.6	3.6	3.4	3.4	3.3	3.3			3.5	3.5	3.4	3.4	3.3	3.3				110
115					3.4	3.4	3.4	3.4					3.2	3.2	3.3	3.3	3.3	3.3				115
120					3.1	3.1	3.3	3.3					2.8	2.8	3.1	3.1	3.3	3.3				120
125					2.7	2.7	2.9	2.9					2.4	2.4	2.8	2.8						125
130					2.4	2.4							2.1	2.1	2.4	2.4						130
135													1.8	1.8	2.1	2.1						135
140													1.6	1.5	1.7	1.7						140
145													1.3									145

** telescopic loads - capacités de levage en télescopage

t.185_01511_01_000

	117 ft 52 ft							125 ft 52 ft							
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°		**
22	5.3	5.3													22
24	5.3	5.3							4.9	4.9					24
26	5.2	5.2							4.9	4.9					26
28	5.2	5.2							4.9	4.9					28
30	5.2	5.2							4.9	4.8					30
32	5.1	5.1							4.8	4.6					32
34	5.1	5.1							4.8	4.5					34
36	5.1	5.1							4.8	4.3					36
38	5	5							4.8	4.1					38
40	5	5							4.7	3.9					40
45	4.9	4.9	4.3	4.3					4.6	3.5	4	3.4			45
50	4.8	4.8	4.2	4.2					4.5	3.2	4	3			50
55	4.7	4.7	4.1	4.1					4.5	2.7	4	2.3			55
60	4.6	4.6	4	4	3.5	3.5			4.4	2	3.9	1.8			60
65	4.5	4.5	3.9	3.9	3.5	3.5			4.3	1.5	3.8	1.4	3.4	1.4	65
70	4.4	4.4	3.8	3.8	3.4	3.4	3.1	3.1	4.3		3.8		3.4		70
75	4.3	4.3	3.8	3.8	3.4	3.4	3.1	3.1	4.2		3.7		3.3		75
80	4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	4.1		3.6		3.3		80
85	4.1	4	3.6	3.6	3.3	3.3	3.1	3.1	4		3.6		3.3		85
90	4	3.2	3.6	3.2	3.3	3	3.1	2.9	3.9		3.5		3.2		90
95	3.9	2.5	3.5	2.7	3.3	2.6	3.1	2.6	3.8		3.4		3.2		95
100	3.8	2	3.4	2.2	3.2	2.2			3.6		3.4		3.2		100
105	3.7	1.5	3.4	1.9	3.2	1.9			3.5		3.3		3.1		105
110	3.4		3.4	1.5	3.2	1.6			3.3		3.1		3		110
115	3.1		3.3		3.2	1.3			2.9		3		3		115
120	2.7		3.1		3.2				2.6		2.9		2.9		120
125	2.3		2.7		3				2.2		2.6		2.8		125
130	2		2.4		2.6				1.9		2.3		2.5		130
135	1.7		2						1.6		2		2.2		135
140	1.4		1.7						1.3		1.7				140
145			1.4								1.4				145

** telescopic loads - capacités de levage en télescopage

t.185_01511_01_000

Lifting capacities Forces de levage

TK



	37 ft 30 ft				90 ft 30 ft								107 ft 30 ft										
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**			
10	13.5																					10	
11	13.3																						11
12	13.2																						12
13	13.1	11.6			14.2	14.2																	13
14	12.9	11.5			14.1	14.1																	14
15	12.8	11.3			14.1	14.1																	15
16	12.6	11.2			14	14																	16
17	12.5	11			14	14							11.7	11.7									17
18	12.3	10.9			13.9	13.9							11.7	11.7									18
19	12.2	10.7			13.9	13.9							11.7	11.7									19
20	12	10.6			13.8	13.8							11.7	11.7									20
22	11.7	10.3	8.7		13.7	13.7							11.6	11.6									22
24	11.4	10.1	8.5		13.5	13.5	11.5	11.5					11.5	11.5									24
26	11.1	9.7	8.4	6.3	13.4	13.4	11.4	11.4					11.5	11.5									26
28	10.8	9.3	8.2	6.2	13.2	13.2	11.2	11.2					11.3	11.3	9.2	9.2							28
30	10.5	8.9	8.1	6.1	13.1	13.1	11	11					11.2	11.2	9.1	9.1							30
32	10.2	8.7	8	6.1	12.9	12.9	10.9	10.9	8.7	8.7			11.1	11.1	9.1	9.1							32
34	10	8.5	7.9	6	12.8	12.8	10.7	10.7	8.6	8.6			11	11	9.1	9.1							34
36	9.7	8.4	7.8	6	12.6	12.6	10.5	10.5	8.5	8.5			10.9	10.9	9	9							36
38	9.4	8.2	7.8	6	12.4	12.4	10.4	10.4	8.4	8.4			10.8	10.8	9	9	8.2	8.2					38
40	9	8.1	7.7	6	12.3	12.3	10.2	10.2	8.3	8.3	6.2	6.2	10.6	10.6	8.9	8.9	8.1	8.1					40
45	8.3	7.9	7.7		11.8	11.8	9.9	9.9	8.2	8.2	6.1	6.1	10	10	8.8	8.8	8	8	6.1	6.1			45
50	7.6	7.8			11.4	11.4	9.3	9.3	8	8	6	6	9.8	9.8	8.7	8.7	7.9	7.9	6	6			50
55	7	7.2			10.8	10.8	8.8	8.8	7.9	7.9	6	6	9.6	9.6	8.6	8.6	7.8	7.8	6	6			55
60					9.5	9.5	8.6	8.6	7.8	7.8	6	6	8.8	8.8	8.4	8.4	7.7	7.7	6	6			60
65					8.3	8.3	8.4	8.4	7.8	7.8			7.7	7.7	8.1	8.1	7.6	7.6	6	6			65
70					7.2	7.2	7.8	7.8	7.7	7.7			6.7	6.7	7.4	7.4	7.5	7.5	6	6			70
75					6.3	6.3	6.8	6.8	7.1	7.1			5.9	5.9	6.5	6.5	6.9	6.9					75
80					5.4	5.4	5.9	5.9	6.2	6.2			5.1	5.1	5.7	5.7	6.1	6.1					80
85					4.7	4.7	5.1	5.1	5.3	5.3			4.5	4.5	5	5	5.3	5.3					85
90					4.1	4.1	4.4	4.4					3.9	3.9	4.3	4.3	4.6	4.6					90
95					3.5	3.5	3.8	3.8					3.3	3.3	3.7	3.7	3.9	3.9					95
100					3	3	3.2	3.2					2.8	2.8	3.2	3.2	3.3	3.3					100
105					2.6	2.6							2.4	2.4	2.7	2.7							105
110													2	2	2.2	2.2							110
115													1.6	1.6	1.8	1.8							115
120													1.3	1.3									120

** telescopic loads - capacités de levage en télescopage

L_185_01116_01_000

	117 ft 30 ft								125 ft 30 ft														
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**							
20	10.4	10.4																					20
22	10.3	10.3																					22
24	10	10																					24
26	9.6	9.6																					26
28	9.5	9.5																					28
30	9.4	9.3																					30
32	9.3	9.1	8.1	8.1																			32
34	9.2	8.9	8	8																			34
36	9.1	8.7	8	8																			36
38	9	8.5	7.9	7.9																			38
40	8.9	8.3	7.9	7.8	7.4	7.4																	40
45	8.8	7.8	7.8	7.4	7.3	7.2	6.1	6.1															45
50	8.6	7.4	7.8	7	7.3	6.8	6	6	7.6	3.7	6.8	3.6	6.4	3.5	6.1	3.3							50
55	8.5	7	7.7	6.7	7.3	6.5	6	6	7.2	3.4	6.5	3.2	6.1	2.9	5.9	2.7							55
60	8.4	6.6	7.7	6.4	7.3	6.2	6	6	6.8	2.8	6.2	2.6	5.8	2.4	5.7	2.3							60
65	7.4	6.3	7.6	6.1	7.3	5.9	6	5.8	6.5	2	6	2	5.6	1.9	5.5	1.9							65
70	6.4	6	7.1	5.8	7.3	5.6	6	5.6	6.1	1.4	5.7	1.6	5.4	1.5	5.3	1.5							70
75	5.6	5.6	6.2	5.5	6.7	5.4	6	5.3	5.5		5.5		5.2		5.2								75
80	4.9	4.9	5.4	5.3	5.9	5.2			4.8		5.2		5		5								80
85	4.2	4.2	4.7	4.6	5.1	4.6			4.2		4.7		4.9										85
90	3.7	3.6	4.1	3.8	4.5	3.8			3.6		4.1		4.4										90
95	3.2	2.8	3.6	3	3.9	3.1			3.1		3.6		3.9										95
100	2.7	2.2	3.1	2.4	3.3	2.5			2.7		3.1		3.3										100
105	2.3	1.6	2.6	1.9	2.8	2			2.3		2.6		2.8										105
110	1.9		2.2	1.4					1.9		2.2		2.4										110
115	1.5		1.8						1.5		1.8												115
120	1.2		1.4						1.2		1.4												120

** telescopic loads - capacités de levage en télescopage

L_185_01116_01_000

Lifting capacities Forces de levage

TK



	37 ft				90 ft								107 ft								
	52 ft				52 ft								52 ft								
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
10	5.9																				
11	6																				
12	6.1																				
13	6.1																				
14	6.2																				
15	6.2				6.5	6.5															
16	6.1				6.5	6.5															
17	6.1				6.5	6.5															
18	6				6.5	6.5															
19	6				6.5	6.5							5.7	5.7							
20	5.9				6.4	6.4							5.7	5.7							
22	5.8				6.4	6.4							5.7	5.7							
24	5.7	5.1			6.3	6.3							5.7	5.7							
26	5.5	4.9			6.3	6.3							5.7	5.7							
28	5.4	4.8			6.2	6.2							5.6	5.6							
30	5.3	4.7			6.1	6.1							5.6	5.6							
32	5.1	4.6			6.1	6.1							5.5	5.5							
34	5	4.5			6	6	5.1	5.1					5.5	5.5							
36	4.9	4.4			6	6	5	5					5.5	5.5							
38	4.8	4.3	3.8		5.9	5.9	4.9	4.9					5.4	5.4							
40	4.7	4.2	3.8		5.8	5.8	4.8	4.8					5.4	5.4	4.6	4.6					
45	4.4	4	3.6		5.6	5.6	4.6	4.6					5.2	5.2	4.5	4.5					
50	4.2	3.8	3.5	3.2	5.4	5.4	4.5	4.5	3.8	3.8			5.1	5.1	4.4	4.4					
55	4	3.7	3.4	3.1	5.2	5.2	4.3	4.3	3.7	3.7			5	5	4.2	4.2	3.6	3.6			
60	3.8	3.5	3.3	3.1	5	5	4.2	4.2	3.6	3.6	3.2	3.2	4.8	4.8	4.1	4.1	3.6	3.6			
65	3.6	3.4	3.3		4.8	4.8	4.1	4.1	3.5	3.5	3.2	3.2	4.7	4.7	4	4	3.5	3.5	3.2	3.2	
70	3.5	3.4	3.3		4.7	4.7	3.9	3.9	3.5	3.5	3.1	3.1	4.6	4.6	3.9	3.9	3.5	3.5	3.1	3.1	
75	3.4	3.4			4.5	4.5	3.8	3.8	3.4	3.4	3.1	3.1	4.4	4.4	3.8	3.8	3.4	3.4	3.1	3.1	
80					4.3	4.3	3.8	3.8	3.4	3.4	3.1	3.1	4.3	4.3	3.7	3.7	3.4	3.4	3.1	3.1	
85					4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	
90					4	4	3.6	3.6	3.3	3.3			4	4	3.6	3.6	3.3	3.3	3.1	3.1	
95					3.8	3.8	3.5	3.5	3.3	3.3			3.6	3.6	3.5	3.5	3.3	3.3			
100					3.5	3.5	3.5	3.5	3.3	3.3			3.2	3.2	3.5	3.5	3.3	3.3			
105					3	3	3.3	3.3	3.3	3.3			2.8	2.8	3.3	3.3	3.3	3.3			
110					2.6	2.6	3	3	3.2	3.2			2.4	2.4	2.9	2.9	3.2	3.2			
115					2.3	2.3	2.6	2.6					2	2	2.5	2.5	2.8	2.8			
120					1.9	1.9	2.2	2.2					1.7	1.7	2.1	2.1	2.3	2.3			
125					1.7	1.7	1.8	1.8					1.4	1.4	1.7	1.7					
130					1.4	1.4									1.4	1.4					

** telescopable loads - capacités de levage en télescopage

t_185_01516_01_000

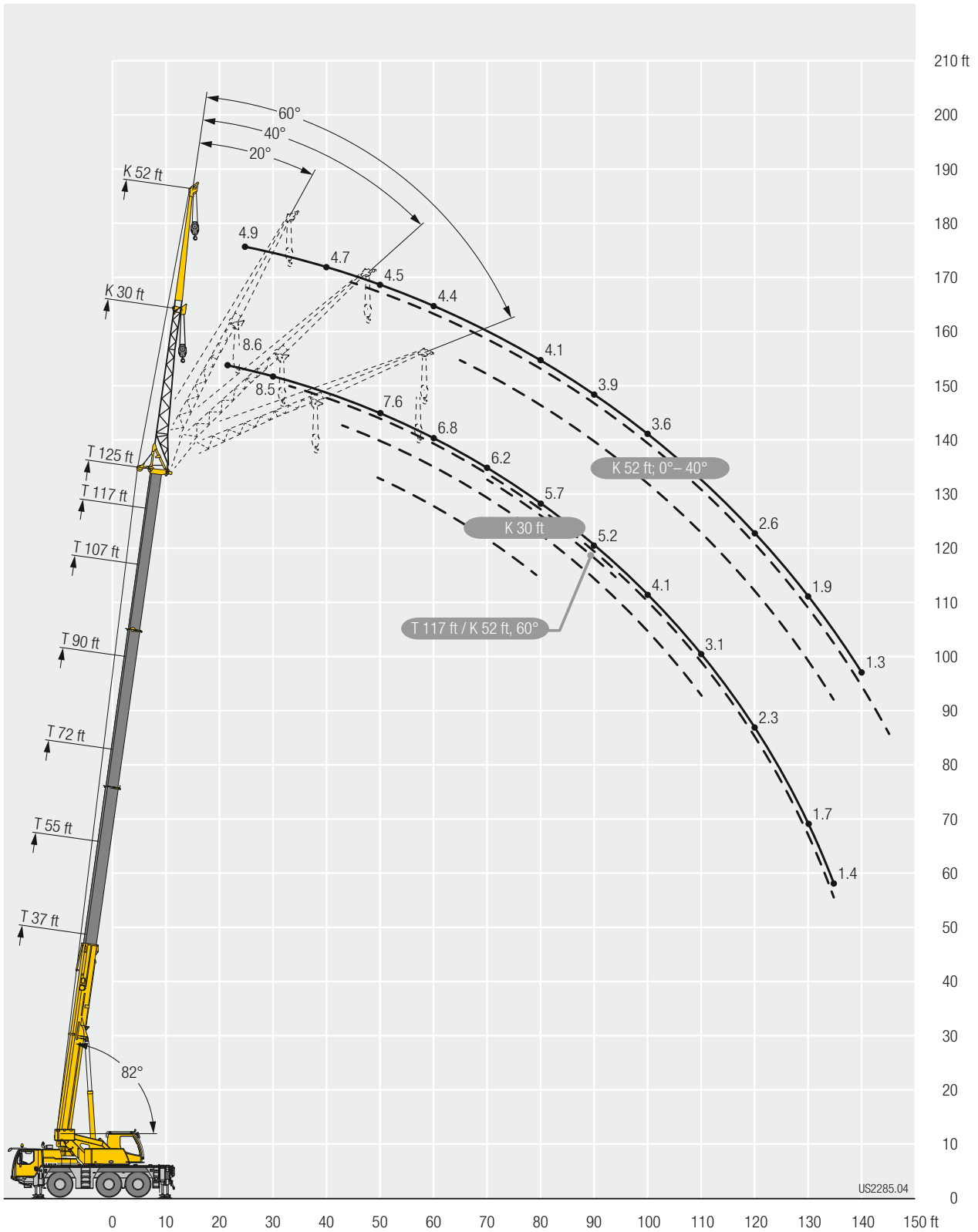
	117 ft								125 ft						
	52 ft								52 ft						
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	
22	5.3	5.3													
24	5.3	5.3							4.9	4.9					
26	5.2	5.2							4.9	4.9					
28	5.2	5.2							4.9	4.9					
30	5.2	5.2							4.9	4.8					
32	5.1	5.1							4.8	4.6					
34	5.1	5.1							4.8	4.5					
36	5.1	5.1							4.8	4.3					
38	5	5							4.8	4.1					
40	5	5							4.7	3.9					
45	4.9	4.9	4.3	4.3					4.6	3.5	4	3.4			
50	4.8	4.8	4.2	4.2					4.5	3.2	4	3			
55	4.7	4.7	4.1	4.1					4.5	2.7	4	2.3			
60	4.6	4.6	4	4	3.5	3.5			4.4	2	3.9	1.8			
65	4.5	4.5	3.9	3.9	3.5	3.5			4.3	1.5	3.8	1.4	3.4	1.4	
70	4.4	4.4	3.8	3.8	3.4	3.4	3.1	3.1	4.3		3.8		3.4		
75	4.3	4.3	3.8	3.8	3.4	3.4	3.1	3.1	4.2		3.7		3.3		
80	4.2	4.2	3.7	3.7	3.3	3.3	3.1	3.1	4.1		3.6		3.3		
85	4.1	4	3.6	3.6	3.3	3.3	3.1	3.1	4		3.6		3.3		
90	3.8	3.2	3.6	3.2	3.3	3	3.1	2.9	3.7		3.5		3.2		
95	3.4	2.5	3.5	2.7	3.3	2.6	3.1	2.6	3.2		3.4		3.2		
100	2.9	2	3.4	2.2	3.2	2.2			2.8		3.3		3.2		
105	2.5	1.5	3.1	1.9	3.2	1.9			2.4		3		3.1		
110	2.1		2.7	1.5	3.1	1.6			2		2.6		3		
115	1.8		2.3		2.7	1.3			1.7		2.2		2.6		
120	1.5		2		2.3				1.4		1.8		2.2		
125	1.2		1.6		1.9						1.5		1.8		
130			1.3		1.6								1.5		

** telescopable loads - capacités de levage en télescopage

t_185_01516_01_000

Lifting heights Hauteurs de levage

TK



Lifting capacities Forces de levage

THK



85%

T	37 ft				55 ft								72 ft								90 ft								T								
	5 ft				5 ft								5 ft								5 ft																
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**									
10			57.5	48.3					53.8	43	48.3	42.4							48.3	40.3													10				
11			57.5	48.3					54.4	42.9	48.3	42.3							48.3	40.1													11				
12			57.5	48.3					55	42.9	48.3	42.3							48.3	40													12				
13			57.4	48.3					55.6	42.9	48.3	42.3							48.3	39.8													13				
14			56.9	48.3					56.3	42.9	48.3	42.3							48.3	39.7													14				
15			55.9	48.3					57	42.9	48.3	42.2							48.3	39.5											33.7	32.2		15			
16		57.5	54.9	48.2					57.3	42.9	48.3	42.2							48.1	39.4											33.3	32		16			
17		57.5	54	48.1					57.5	42.9	48.3	42.2							50.2	39.8	47.6	39.3									32.9	31.8		17			
18		57.5	52.7	48.1					57.5	42.9	48.3	42.2							49.5	39.7	47	39.1										32.4	31.6		18		
19		57.3	51	47.5					57.1	42.9	48.3	42.2							48.9	39.6	46.3	39										31.9	31.4		19		
20		55.1	49.3	46.7					55.6	42.9	48.3	42.2							47.9	39.5	45.7	38.7										31.3	31.2		20		
22		50.1	46.2	45.3					50.9	42.9	48.2	42.2							45.9	39.3	44.2	37.8										30.1	30.1		22		
24	44.8	45.1	43.4	44.1					45.6	42.9	46	42.2							43.7	39.1	42.7	37.3								29.3	29.3	28.7	28.7		24		
26	40.7	41	40.7	41.5					41.4	41.4	41.8	41.2							40.1	39	40.5	37.2								28.1	28.1	27.4	27.4		26		
28	36.3	36.5	36.8	29.8				36.7	36.7	37.1	37.1	37.5	37.5						36.6	36.5	37.1	36.7								27	27	26.3	26.3		28		
30	31.9	33.2	33.3	1.7				33.3	33.3	33.6	33.6	33.8	33.8						33.5	33.5	33.9	33.9								25.9	25.9	25.2	25.2		30		
32			2.1					30.2	30.2	30.7	30.7	30.9	30.9						30.4	30.4	31	31								24.8	24.8	24.3	24.3		32		
34								27.4	27.4	27.8	27.8	28.2	28.2						27.6	27.6	28	28								23.6	23.6	23.3	23.3		34		
36								25.1	25.1	25.4	25.4	25.6	25.6						25.4	25.4	25.7	25.7								22.7	22.7	22.5	22.5		36		
38								23	23	23.3	23.3	23.5	23.5	23.6	23.6				23.5	23.5	23.7	23.7								21.9	21.9	21.7	21.7		38		
40								21.3	21.3	21.6	21.6	21.7	21.7	21.9	21.9				21.5	21.5	21.7	21.7	22	22						21	21	21	21		40		
45								17.3	17.3	17.4	17.4	17.5	17.5						17.6	17.6	17.6	17.6	17.7	17.7						17.6	17.6	17.7	17.7		45		
50																			14.8	14.8	15	15	15.1	15.1						14.8	14.8	15	15	15.1	15.1	50	
55																			12.6	12.6	12.7	12.7	12.9	12.9	13	13				12.8	12.8	12.9	12.9	13.1	13.1	55	
60																			10.8	10.8	11	11	11	11						11.1	11.1	11.2	11.2	11.3	11.3	60	
65																			9.2	9.2	9.3	9.3	9.3	9.3						9.4	9.4	9.6	9.6	9.4	9.4	65	
70																															8	8	8.1	8.1	8.3	8.3	70
75																															7.1	7.1	7.2	7.2	7.3	7.3	75
80																															6.2	6.2	6.3	6.3	6.3	6.3	80

** telescopic loads - capacités de levage en télescopage

t_185_04111_01_000

T	107 ft								117 ft								125 ft								T													
	5 ft								5 ft								5 ft																					
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	20°	**	40°	**	60°	**																
22																																				22		
24																																					24	
26																																					26	
28																																					28	
30																																					30	
32																																					32	
34																																					34	
36																																					36	
38																																					38	
40																																					40	
45																																					45	
50																																					50	
55																																					55	
60																																					60	
65																																					65	
70																																					70	
75																																						75
80																																						80
85	5.4	5.4	5.5	5.5	5.6	5.6																															85	
90	4.7	4.7	4.8	4.8	4.8	4.8																															90	
95	4.1	4.1	4.2	4.2	4.2	4.2																															95	
100	3.6	3.2	3.6	3.6																																	100	
105																																					105	
110																																					110	
115																																						115

** telescopic loads - capacités de levage en télescopage

t_185_04111_01_000

Lifting capacities

Forces de levage

THK



85%

	37 ft				55 ft				72 ft				90 ft																		
	5 ft				5 ft				5 ft				5 ft																		
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**		40°	**	60°	**										
10			57.5	48.3					53.8	43	48.3	42.4										10									
11			57.5	48.3					54.4	42.9	48.3	42.3										11									
12			57.5	48.3					55	42.9	48.3	42.3										12									
13			57.4	48.3					55.6	42.9	48.3	42.3										13									
14			56.9	48.3					56.3	42.9	48.3	42.3										14									
15			55.9	48.3					57	42.9	48.3	42.2										15									
16		57.5	54.9	48.2					57.3	42.9	48.3	42.2										16									
17		57.5	54	48.1					57.5	42.9	48.3	42.2										17									
18		57.3	52.7	48.1					57.5	42.9	48.3	42.2			50.2	39.8	47.6	39.1				18									
19		56.1	51	47.5					56.4	42.9	48.3	42.2			48.9	39.6	46.3	39				19									
20		53	49.3	46.7					53	42.9	48.3	42.2			46.9	39.5	45.7	38.7				20									
22		47	46.2	45.1					46.7	42.9	47.3	42.2			42.7	39.1	42.6	37.8				22									
24	41.1	41.5	41.7	42.1					41.4	41.4	42	41.4			37.9	37.9	38.6	36.6			29.3	29.3	28.7	28.7	24						
26	36.1	36.4	36.7	37.1					36.9	36.9	37.4	37.4			33.9	33.9	34.5	34.5			28.1	28.1	27.4	27.4	26						
28	32.4	32.7	32.9	26.7				32.7	32.7	33.1	33.1	33.5	33.5			30.6	30.6	31	31			27	27	26.3	26.3	28					
30	28.8	29.3	29.4	1.7					29.2	29.2	29.5	29.5	30.2	30.2			27.8	27.8	28.1	28.1			25.6	25.6	25.1	25.1	30				
32			2.1						26.4	26.4	26.6	26.6	26.8	26.8			25.3	25.3	25.7	25.7			23.9	23.9	24	24	32				
34									23.9	23.9	24.1	24.1	24.4	24.4			23.2	23.2	23.6	23.6			21.9	21.9	22.3	22.3	34				
36									21.5	21.5	21.9	21.9	22	22			21.4	21.4	21.7	21.7			20.2	20.2	20.5	20.5	36				
38					19.3	19.3	19.6	19.6	19.8	19.8	20	20			19.7	19.7	20	20			18.7	18.7	19	19			38				
40					17.7	17.7	17.9	17.9	18.1	18.1	18.2	18.2			18	18	18.2	18.2	18.5	18.5			17.4	17.4	17.6	17.6	40				
45					14.3	14.3	14.5	14.5	14.7	14.7					14.7	14.7	14.9	14.9	15	15			14.6	14.6	14.8	14.8	45				
50															12.1	12.1	12.3	12.3	12.5	12.5			12.2	12.2	12.3	12.3	12.5	12.5	50		
55														10	10	10.2	10.2	10.3	10.3	10.4	10.4			10.3	10.3	10.5	10.5	10.6	10.6	55	
60														8.5	8.5	8.6	8.6	8.7	8.7					8.8	8.8	8.9	8.9	9	9	60	
65														7.3	7.3	7.3	7.3	7.4	7.4					7.4	7.4	7.5	7.5	7.6	7.6	65	
70																							6.1	6.1	6.3	6.3	6.4	6.4	6.4	6.4	70
75																							5.2	5.2	5.3	5.3	5.4	5.4			75
80																							4.5	4.5	4.6	4.6	4.6	4.6			80

** telescopic loads - capacités de levage en télescopage

t_185_04116_01_000

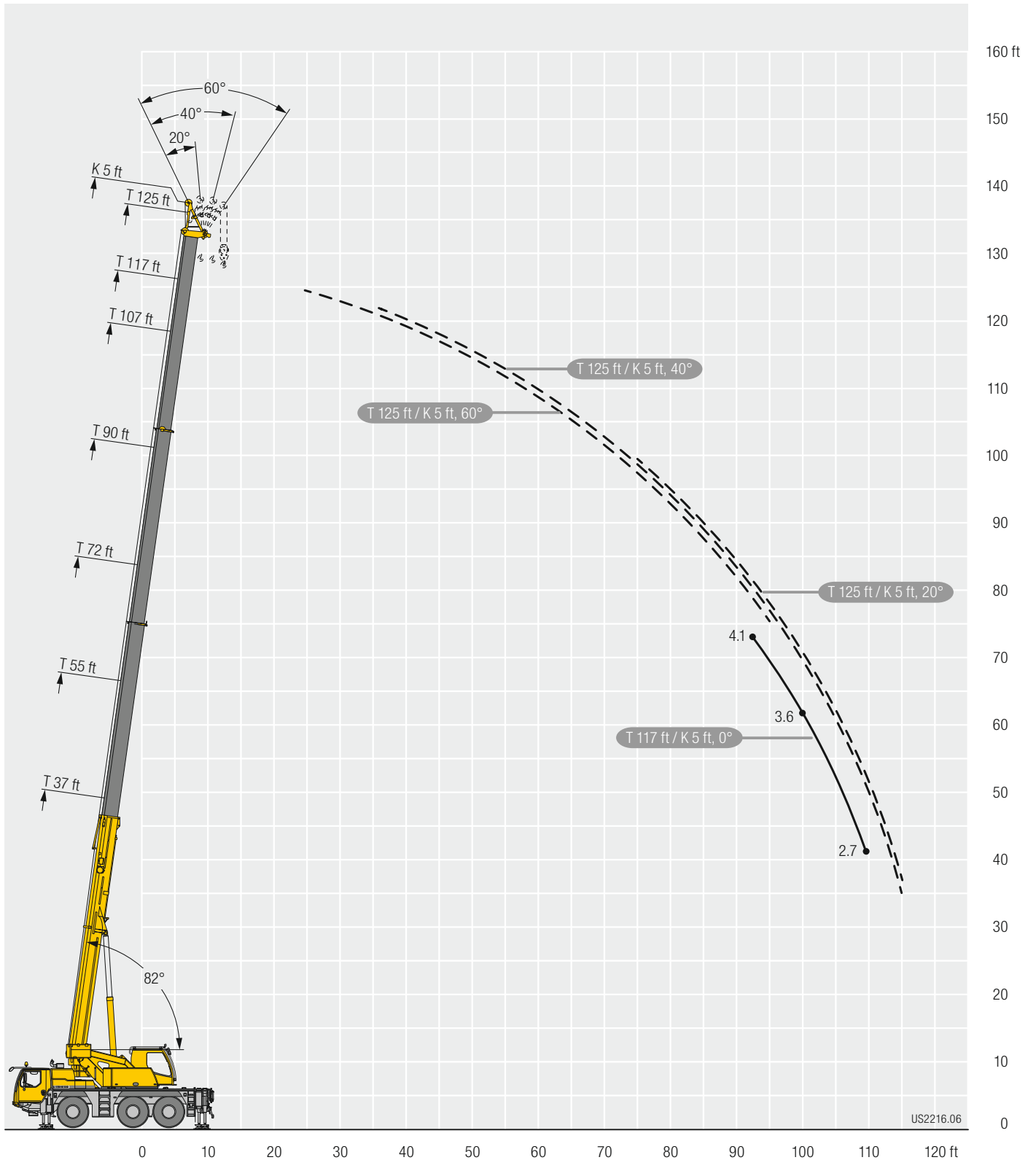
	107 ft				117 ft				125 ft																						
	5 ft				5 ft				5 ft																						
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**		40°	**	60°	**	20°	**	40°	**	60°	**								
22							22.4	20.1																						22	
24							21.9	19.4																						24	
26							21.2	18.3																			14.4	6.5		26	
28							20.4	17.7																			14.1	6.3		28	
30					20	17.8	19.7	17.4																			13.8	6.1		30	
32					19.2	17.4	19.1	17.2																			13.5	5.9		32	
34					18.5	17.1	18.4	16.9					16.3	11.4	16	11.2											13.1	5.7		34	
36					17.8	16.9	17.7	16.7					15.9	11.1	15.6	11										12.9	5.6	12.8	5.5	36	
38					17.1	16.6	17	16.4					15.4	10.9	15.1	10.7										12.6	5.4	12.5	5.3	38	
40					16.3	16.1	16.3	16.1					14.9	10.6	14.6	10.4										12.3	5.2	12.2	5.1	40	
45					13.9	13.9	14.1	14.1					13.4	10.1	13.5	8.9										11.6	4.8	11.6	4.7	45	
50					11.8	11.8	12	12					11.4	8.8	11.8	8.2										10.9	4.4	10.9	4.4	50	
55					10.1	10.1	10.3	10.3					9.8	8	10.1	7.9										9.7	3.6	9.9	3.6	55	
60					8.7	8.7	8.8	8.8					8.5	7.6	8.7	7.6										8.4	2.7	8.5	2.7	60	
65					7.4	7.4	7.5	7.5	7.6	7.6			7.3	7.2	7.5	7.3										7.2	2	7.4	2	65	
70					6.3	6.3	6.5	6.5	6.6	6.6			6.3	6.3	6.5	6.5									6.3	1.4	6.3	1.4	6.4	1.5	70
75					5.4	5.4	5.5	5.5	5.6	5.6			5.4	5.4	5.5	5.6	5.6								5.3		5.4		5.5		75
80					4.6	4.6	4.7	4.7	4.7	4.7			4.7	4.6	4.7	4.7	4.8	4.7							4.6		4.7		4.8		80
85	3.8	3.8	3.9	3.9	3.9	3.9							3.9	3.7	4	3.7	4.1	3.8							3.9		4		4.1		85
90	3.2	3.2	3.3	3.3	3.3	3.3							3.3	2.9	3.3	2.9	3.4	3							3.3		3.4		3.5		90
95	2.6	2.6	2.7	2.7	2.8	2.8							2.7	2.1	2.8	2.2	2.8	2.2							2.7		2.8		2.9		95
100	2.2	2.2	2.3	2.3									2.2	1.5	2.3	1.6	2.3	1.6							2.3		2.3				100
105													1.8		1.8		1.9								1.8		1.9				105
110													1.4		1.5										1.5		1.5				110

** telescopic loads - capacités de levage en télescopage

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Lifting heights Hauteurs de levage

THK



US2216.06

Equipment Equipment

Crane carrier

Frame	Liebherr designed and manufactured, box-type, torsion resistant design of high-tensile fine grained structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.
Engine	6-cylinder Diesel, make Liebherr, watercooled, output 270 kW (367 h.p.), max. torque 1,268 lbs-ft. Exhaust emissions acc. to (EU) 2016/1628, EPA/CARB or ECE-R.96. Fuel reservoir: 92 gallons.
Transmission	ZF 12-speed gear box with automatic control system. Two-stage transfer case with lockable transfer differential.
Axles	All axles steered, axle 2 and 3 driven with lockable differential gears.
Suspension	All axles with hydropneumatic suspension and hydraulic locking facility.
Tyres	6 tyres. Tyre size: 445/95 R 25 (16.00 R 25).
Steering	2-circuit system with hydraulic servo steering and auxiliary pump circuit. 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 1 and 3. Sustained-action brake: Exhaust retarder with additional Liebherr braking system.
Driver's cab	Spacious corrosion resistant with comfort furnishings, mounted on rubber shock absorbers, safety glazing.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 180 Ah each.

Crane superstructure

Frame	Liebherr-made, torsion-resistant, welded construction of high-tensile structural steel, single-row ball bearing slewing ring.
Crane drive	Diesel-hydraulic with 1 axial variable displacement pump with automatic capacity control, 1 double gear pump, driven by the carrier Diesel engine, open regulated oil circuits with electrically controlled "load sensing", operation of 4 movements simultaneously.
Control	Electrical control of drives by self-centering joysticks, data transfer with Liebherr System Bus (LSB).
Hoist gear	Axial piston fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake, actuation by open regulated oil circuit.
Luffing gear	1 differential ram with pilot operated brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	Corrosion resistant, large field of vision, safety glazing.
Safety devices	LICCON2 safe load indicator, hoist limit switch, safety valves against pipe and hose rupture, test system for servicing.
Telescopic boom	1 base section and 3 telescopic sections. The telescopes are extended by a three-stage hydromechanic telescoping system with double pulley block. Boom telescopic under partial load. Boom length: 37 ft – 125 ft.
Counterweight	15,400 lbs
Electrical system	Modern data bus technique, 24 Volt DC.

Operating modes

K/HK	Single folding jib, 30 ft Double swing-away jib 30 ft – 52 ft Assembly jib 5 ft long and incorporated into the swing-away jib (optional pulley set required). Mechanical adjustment 0°; 20°; 40°; 60°
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Additional equipment

Additional counterweight	4,400 lbs for a total counterweight of 19,800 lbs.
Tyres	6 tyres. Tyre size: 525/80 R 25 (20.5 R 25).
Drive 6 x 6	Axle 1 additionally driven.

Other items of equipment available on request.

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

Equipment Équipement

Châssis porteur

Cadre	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, à refroidissement par eau, de 270 kW (367 ch), couple max. 1,268 lbs-ft. Emissions des gaz d'échappement conformes au directive (EU) 2016/1628, EPA/CARB ou ECE-R.96. Capacité du réservoir à carburant: 92 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Tous les essieux sont directeurs, les essieux 2 et 3 sont entraînés par des engrenages différentiels blocables.
Suspension	Tous les essieux sont suspendus hydropneumatiquement et blocable hydrauliquement.
Pneumatiques	6 roues. Taille: 445/95 R 25 (16.00 R 25).
Direction	2 circuits avec direction assistée hydraulique avec pompe auxiliaire entraînée par essieu. 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 1 et 3. Frein à régime continu: Ralentisseur sur échappement avec système de freinage additionnel Liebherr.
Cabine	Spacieuse cabine, traitement anticorrosion, équipement «grand confort», suspension par silentbloks, vitrage de sécurité.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 180 Ah chacune.

Partie tournante

Cadre	Fabrication Liebherr, construction mécanosoudée en tôle d'acier à haute résistance à grains fins. Couronne d'orientation à 1 rangée de billes.
Entraînement	Diesel hydraulique avec 1 pompe double à débit variable et régulation de puissance automatique, 1 pompe à engrenages double, entraînés par le moteur Diesel du porteur, circuits hydrauliques ouverts avec «load sensing», régulé électriquement. 4 mouvements simultanés praticables.
Commande	Commande électrique des mécanismes par leviers de manoeuvre à centrage automatique, Liebherr Système Bus (LSB) pour la transmission.
Mécanisme de levage	Moteur hydraulique à cylindrée constante, treuil à réducteur planétaire incorporé et frein d'arrêt à ressort, en circuit hydraulique ouvert ou fermé et régulé.
Mécanisme de relevage	1 vérin différentiel à soupape pilotage de freinage.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.

Cabine de grue	Résistante à la corrosion, visibilité panoramique, avec vitrage de sécurité.
Dispositif de sécurité	Contrôleur de charge LICCON2, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
Flèche télescopique	1 élément de base et 3 éléments télescopiques. Les éléments télescopiques sont sortis via une poulie moufle à 2 brins grâce à un système de télescopage hydromécanique à 3 positions. Flèche télescopable sous contrepoids partiel. Longueur de flèche: 37 ft – 125 ft.
Contrepoids	15,400 lbs
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts.

Modes de fonctionnement

K/HK	Fléchette pliante simple, longueur 30 ft Double fléchette pliante 30 ft – 52 ft Fléchette de montage 5 ft, intégrée à la fléchette pliante (jeu de poulies, en option, nécessaire). Réglage mécanique 0° ; 20° ; 40° ; 60°
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Équipement supplémentaire

Contrepoids additionnel	4,400 lbs pour un contrepoids total de 19,800 lbs.
Pneumatiques	6 roues. Taille: 525/80 R 25 (20.5 R 25).
Entraînement 6 x 6	Essieu 1 est entraîné additionnellement.
































Autres équipements supplémentaires sur demande.

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

Description of symbols

Explication des symboles

General symbols/Symboles généraux

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

Crane specific symbols/Symboles spécifiques à la grue



Telescopic boom
Flèche télescopique



Mechanically adjustable assembly jib
Fléchette de montage réglable mécaniquement



Swing away jib
Fléchette pliante



Folding jib including integral assembly jib
Pointe pliante avec pointe de montage incluse

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 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 92,600 lbs only with additional pulley block.
11. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 30 ft/s (9 m/s, 20 mph) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Forces de levage pour application de grue de montage (correspond à la classification de grues selon ISO 4301-1, groupe de grues A1).
4. Les forces de levage sont données en kips.
5. Les poids des mouffes et crochets doit être soustrait des charges indiquées.
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 92,600 lbs seulement avec moufle additionnel.
11. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Proposition 65



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

Subject to modification / Sous réserve de modifications

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