



Crane Rental • Heavy Machinery Moving • Project Management

sales@reliablecraneservice.com • 702-525-0840 or 702-400-2516

Mobile Crane/Grue mobile **LTM 1040-2.1**



LIEBHERR

FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com

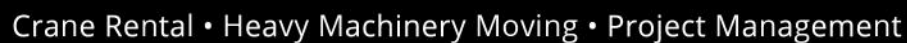
www.reliablecraneservice.com



Table of content Tables des matières

Technical Data/Caractéristiques technique

Dimensions/Encombrement	3
Mobile Crane/Grue mobile	4 – 5
Weights/Poids Working speeds/Vitesses	6
Counterweight/Contrepoids	7
T	8 – 13
TK	14 – 17
Equipment/Équipement	18 – 19
Description of symbols/Explication des symboles	20
Remarks/Remarques	21



www.reliablecraneservice.com



Crane Rental • Heavy Machinery Moving • Project Management

sales@reliablecraneservice.com • 702-525-0840 or 702-400-2516

Mobilkran/Mobile Crane LTM 1040-2.1



115 ft



31 ft



8.4 ft



14330 lbs

€COmode



FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com

www.reliablecraneservice.com



Crane Rental • Heavy Machinery Moving • Project Management

sales@reliablecraneservice.com • 702-525-0840 or 702-400-2516

Proven hydro-mechanical telescoping system
Système de télescopage hydromécanique éprouvé



FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com

www.reliablecraneservice.com



Weights Poids



Hook block/Moufles à crochet

Load kips Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
77	5	10	584
49.3	3	7	364
22	1	3	320
6.6	—	1	165

Working speeds Vitesses



Crane carrier/Châssis porteur

	 min.	 max.	 %	
445/95 R 25 (16.00 R 25)	0 – 2.5	50	60 %	6 / R2



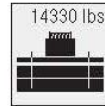
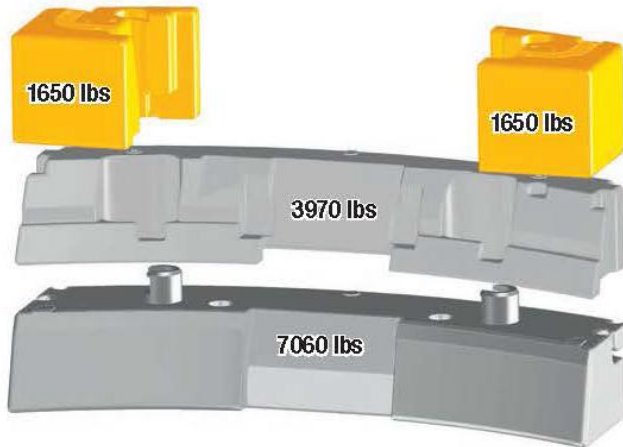
Crane superstructure/Partie tournante

Drive Mécanismes	infinitely variable en continu	Rope diameter / length Diamètre / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 394 ft/min single line ft/min au brin simple	0.51" / 541 ft	7645 lbs
	0 – 2.5 rpm		
	approx. 45 seconds to reach 81° boom angle env. 45 s jusqu'à 81°		
	approx. 65 seconds for boom extension from 34 ft – 115 ft env. 65 s pour passer de 34 ft – 115 ft		

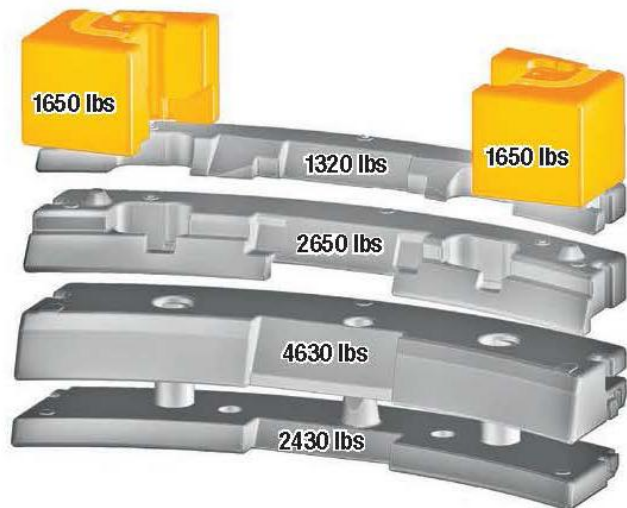


Counterweight Contrepoids

Counterweight Version 1 Contrepoids Variante 1



Counterweight Version 2 Contrepoids Variante 2



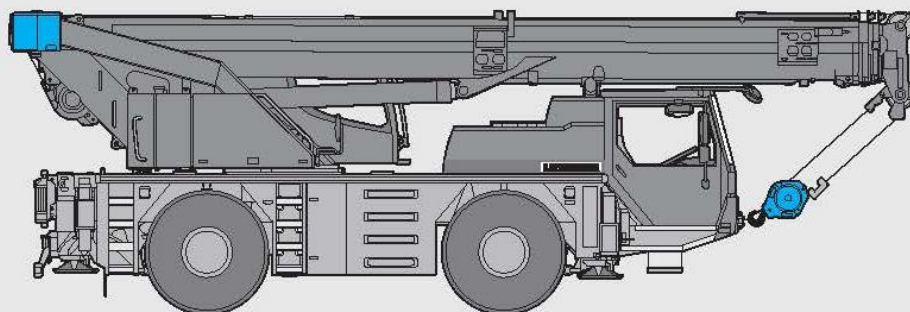
Technically transportable • Transport techniquement simplifié



Axle/Essieu

Axle Essieu	1	2	Total weight lbs Poids total lbs
lbs	26400	26400	52800 ¹⁾

¹⁾ with 3300 lbs counterweight / avec contrepoids 3300 lbs



S300301

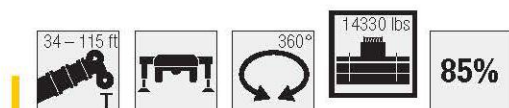
FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com



Lifting capacities Forces de levage

T

	34 ft		51 ft		67 ft		83 ft		99 ft		107 ft		115 ft		
	*			**		**		**		**		**		**	
9	86.8														9
10	79	74.9	43.6	34											10
11	75.5	70.3	44.2	34	38.2	28.9									11
12	70.9	66.2	44.8	34	39.1	28.8									12
13	66.2	62.6	45.4	34	39.5	28.7	33.5	23							13
14	61.8	59.2	46.1	34	40	28.6	33.9	22.8	26.1	16.7					14
15	57.9	56.3	46.8	34	40.6	28.6	34.3	22.7	25.9	16.5					15
16	54.9	53.6	47.6	34	41.1	28.4	34.5	22.5	25.7	16.4	21.9	12.4			16
17	52.1	51.1	48.5	34	41.7	28.2	34.2	22.4	25.5	16.2	21.8	12.2			17
18	49.6	48.7	48.3	34	41.9	27.9	33.5	22.3	25.3	16.1	21.6	12.1			18
19	47	46.5	46.9	34	42	27.6	32.7	22.2	25	15.9	21.5	11.9			19
20	44.5	44.2	43.7	34	40.4	27.4	31.9	22.1	24.6	15.8	21.4	11.8	17.8	8.1	20
22	38.5	38.5	38.3	34	35.6	27.4	30.6	21.9	23.7	15.5	21	11.5	17.6	7.8	22
24	28.5	28.5	34	33.5	31.8	27.3	29.1	21.7	22.7	15.2	20.4	11.2	17.3	7.6	24
26			30.5	30.5	28.6	27.2	27.1	21.4	21.8	14.9	19.8	11	16.9	7.3	26
28			27.6	27.6	26	26	24.7	20.8	21	14.7	19.2	10.7	16.4	6.6	28
30			25.1	25.1	23.7	23.7	22.6	20.3	20.2	14.2	18.6	10.5	16	6	30
32			23	23	21.7	21.7	20.8	19.9	19.5	13.4	18.1	10.3	15.6	5.8	32
34			21.1	21.1	20	20	19.2	19.2	18.3	13.1	17.5	10	15.1	5.6	34
36			19.2	19.2	18.5	18.5	17.7	17.7	17.1	12.8	16.8	9.8	14.7	5.5	36
38			17.6	17.6	17.3	17.3	16.5	16.5	15.9	12.7	15.7	9.6	14.4	5.3	38
40			15.9	15.9	16	16	15.4	15.4	14.9	12.5	14.6	9.4	13.9	5.2	40
45					13.6	13.6	13.1	13.1	12.6	12.1	12.5	9	12.3	4.8	45
50					11.5	11.5	11.3	11.3	10.9	10.9	10.8	8.6	10.6	4.5	50
55					9.8	9.8	9.8	9.8	9.4	9.4	9.3	8.3	9.2	4.2	55
60							8.5	8.5	8.3	8.3	8.2	8	8	3.9	60
65							7.4	7.4	7.3	7.3	7.2	7.2	7.1	3.2	65
70							6.4	6.4	6.4	6.4	6.4	6.4	6.2	2.6	70
75									5.6	5.6	5.6	5.6	5.5	2.1	75
80									4.9	4.9	5	5	4.9	1.7	80
85									4.3	4.3	4.3	4.3	4.3		85
90											3.7	3.7	3.8		90
95											3.2	3	3.3		95
100													2.8		100

* over rear • en arrière ** telescopic loads • capacités de levage en télescopage

t_196_00227_00_000 / 00181_00_000

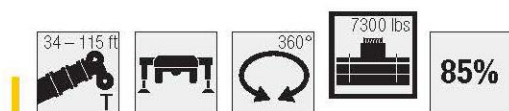
FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840**sales@reliablecraneservice.com**



Lifting capacities Forces de levage

T

	34 ft	51 ft	67 ft	83 ft	99 ft	107 ft	115 ft	
		**	**	**	**	**	**	
10	73.8	43.6	34					10
11	69.3	44.2	34	38.2	28.9			11
12	65.3	44.8	34	39.1	28.8			12
13	61.7	45.4	34	39.5	28.7	33.5	23	13
14	58.4	46.1	34	40	28.6	33.9	22.8	14
15	55.5	46.8	34	40.6	28.6	34.3	22.7	15
16	52.8	47.3	34	40.6	28.4	34.5	22.5	16
17	49.7	44.9	34	40.5	28.2	34.2	22.4	17
18	46.1	42	34	38.4	27.9	33.4	22.3	18
19	42.9	38.7	34	35.7	27.6	32.7	22.2	19
20	39.8	36	34	33.3	27.4	31	22.1	20
22	34.6	31.5	31.5	29.3	27.2	27.5	21.9	22
24	28.4	27.8	27.8	26	26	24.6	21.7	24
26		24.9	24.9	23.3	23.3	22.1	21.4	26
28		22.4	22.4	21.1	21.1	20	19.9	28
30		20.3	20.3	19.2	19.2	18.3	18.3	30
32		18.6	18.6	17.5	17.5	16.8	16.8	32
34		17	17	16.1	16.1	15.4	15.4	34
36		15.5	15.5	14.8	14.8	14.2	14.2	36
38		14.1	14.1	13.7	13.7	13.1	13.1	38
40		12.9	12.9	12.7	12.7	12.2	12.2	40
45				10.6	10.6	10.1	10.1	45
50				8.9	8.9	8.6	8.6	50
55				7.4	7.4	7.3	7.3	55
60						6.3	6.3	60
65						5.3	5.3	65
70						4.4	4.4	70
75								75
80								80
85								85
90								90
95								95
100								100

with 4-part additional counterweight - avec contrepoids additionnel en quatre éléments ** telescopic loads - capacités de levage en télescopage

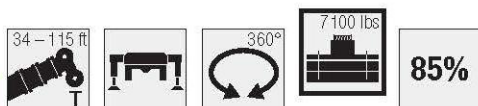
t_196_00185_00_000



Lifting capacities

Forces de levage

T



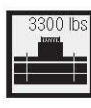
	34 ft	51 ft	67 ft	83 ft	99 ft	107 ft	115 ft	
		**	**	**	**	**	**	
10	73.8	43.6	34					10
11	69.3	44.2	34	38.2	28.9			11
12	65.2	44.8	34	39.1	28.8			12
13	61.6	45.4	34	39.5	28.7	33.5	23	13
14	58.3	46.1	34	40	28.6	33.9	22.8	14
15	55.4	46.8	34	40.6	28.6	34.3	22.7	15
16	52.7	47.3	34	40.5	28.4	34.5	22.5	16
17	49.5	44.7	34	40.3	28.2	34.2	22.4	17
18	46	41.7	34	38.2	27.9	33.4	22.3	18
19	42.6	38.5	34	35.4	27.6	32.5	22.2	19
20	39.5	35.8	34	33.1	27.4	30.8	22.1	20
22	34.4	31.3	31.3	29.1	27.1	27.4	21.9	22
24	28.3	27.6	27.6	25.8	25.8	24.4	21.7	24
26		24.7	24.7	23.2	23.2	21.9	21.4	26
28		22.2	22.2	20.9	20.9	19.9	19.8	28
30		20.2	20.2	19	19	18.2	18.2	30
32		18.4	18.4	17.4	17.4	16.6	16.6	32
34		16.9	16.9	16	16	15.3	15.3	34
36		15.3	15.3	14.7	14.7	14.1	14.1	36
38		14	14	13.6	13.6	13.1	13.1	38
40		12.8	12.8	12.6	12.6	12.1	12.1	40
45				10.5	10.5	10.1	10.1	45
50				8.8	8.8	8.5	8.5	50
55				7.3	7.3	7.2	7.2	55
60						6.2	6.2	60
65						5.2	5.2	65
70						4.4	4.4	70
75						3.7	3.7	75
80						3.2	3.2	80
85						2.6	2.6	85
90								90
95								95
100								100

** telescopic loads - capacités de levage en télescopage

t_196_00186_00_000



Lifting capacities Forces de levage

T**85%**

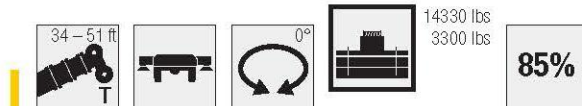
	34 ft	51 ft		67 ft		83 ft		99 ft		107 ft		115 ft		
			**		**		**		**		**		**	
10	73.2	43.6	34											10
11	68.7	44.2	34	38.2	28.9									11
12	64.7	44.8	34	39.1	28.8									12
13	61.1	45.4	34	39.5	28.7	33.5	23							13
14	57.8	46.1	34	40	28.6	33.9	22.8	26.1	16.7					14
15	54.7	45.5	34	40.6	28.6	34.3	22.7	25.9	16.5					15
16	49.5	43.8	34	38.6	28.4	34.5	22.5	25.7	16.4	21.9	12.4			16
17	44.9	40.2	34	36.3	28.2	33.5	22.4	25.5	16.2	21.8	12.2			17
18	40.8	36.9	34	33.8	27.9	31.1	22.3	25.3	16.1	21.6	12.1			18
19	37.7	34	33.7	31.4	27.6	29	22.2	25	15.9	21.5	11.9			19
20	34.9	31.6	31.5	29.3	27.2	27.2	22.1	24.5	15.8	21.4	11.8	17.8	8.1	20
22	30.3	27.5	27.5	25.6	25.6	24.1	21.9	22.6	15.5	21	11.5	17.6	7.8	22
24	26	24.3	24.3	22.7	22.7	21.5	21.1	20.2	15.2	19.7	11.2	17.3	7.6	24
26		21.6	21.6	20.3	20.3	19.2	19.2	18.2	14.9	17.8	11	16.8	7.3	26
28		19.4	19.4	18.3	18.3	17.4	17.4	16.6	14.7	16.2	10.7	15.7	6.6	28
30		17.6	17.6	16.6	16.6	15.8	15.8	15	14.2	14.7	10.5	14.3	6	30
32		16	16	15	15	14.3	14.3	13.7	13.4	13.4	10.3	13.1	5.8	32
34		14.5	14.5	13.7	13.7	13.1	13.1	12.5	12.5	12.3	10	12	5.6	34
36		13.3	13.3	12.5	12.5	11.9	11.9	11.5	11.5	11.3	9.8	11	5.5	36
38		12	12	11.5	11.5	11	11	10.6	10.6	10.4	9.6	10.2	5.3	38
40		10.9	10.9	10.5	10.5	10.1	10.1	9.7	9.7	9.6	9.3	9.4	5.2	40
45				8.7	8.7	8.3	8.3	8	8	7.9	7.9	7.8	4.8	45
50				7.2	7.2	6.9	6.9	6.7	6.7	6.6	6.6	6.5	4.5	50
55				5.9	5.9	5.8	5.8	5.6	5.6	5.5	5.5	5.4	4.2	55
60						4.9	4.9	4.7	4.7	4.6	4.6	4.5	3.9	60
65						4.1	4.1	3.9	3.9	3.9	3.9	3.8	3.2	65
70						3.3	3.3	3.3	3.3	3.3	3.3	3.2	2.6	70
75								2.8	2.8	2.8	2.8	2.7	2.1	75
80								2.2	2.2	2.3	2.3	2.2	1.7	80
85								1.8	1.8	1.8	1.8	1.8		85
90										1.4	1.4	1.4		90

** telescopic loads - capacités de levage en télescopage

t_196_00189_00_000



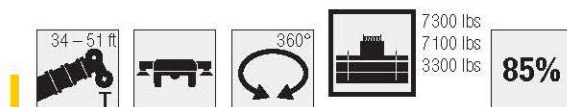
Lifting capacities Forces de levage

T

	34 ft		51 ft		
	14330 lbs	3300 lbs	14330 lbs	3300 lbs	
10	26.6	24.3	27.2	23.3	10
11	24.7	22.5	25.3	21.1	11
12	23	20.9	23.7	19.3	12
13	21.4	19.4	22.1	17.7	13
14	20.1	17.5	20.7	16.3	14
15	18.8	15.8	19.4	15	15
16	17.7	14.3	18.3	13.9	16
17	16.7	12.9	17.3	12.9	17
18	15.7	11.7	16.3	12	18
19	14.8	10.7	15.5	11	19
20	14	9.8	14.6	10.2	20
22	12.6	8.2	13.1	8.8	22
24	11.4	7	11.9	7.6	24
26			10.7	6.5	26
28			9.4	5.7	28
30			8.5	5	30
32			7.6	4.4	32
34			6.8	3.8	34
36			6.2	3.4	36
38			5.6	2.9	38
40			5.1	2.6	40

0° = over rear • en arrière

t_196_00129_00_000 / 00136_00_000



	34 ft			51 ft			
	7300 lbs	7100 lbs	3300 lbs	7300 lbs	7100 lbs	3300 lbs	
10	18.6	18.4	15			15.9	10
11	16.3	16	12.9			13.8	11
12	14.3	14.1	11.3			12.2	12
13	12.7	12.5	9.9			10.7	13
14	11.3	11.2	8.8			9.6	14
15	10.2	10	7.8			8.6	15
16	9.2	9.1	7			7.7	16
17	8.3	8.2	6.2			6.9	17
18	7.5	7.4	5.5	8.2	8.1	6.3	18
19	6.8	6.7	4.9	7.5	7.4	5.6	19
20	6.2	6	4.3	6.9	6.8	5.1	20
22	5	4.9	3.4	5.8	5.7	4.1	22
24	4.1	4	2.6	4.8	4.7	3.3	24
26				4	4	2.6	26
28				3.3	3.3	1.8	28
30				2.8	2.7		30
32				2.3	2.2		32
34				1.7	1.6		34

t_196_00171_00_000/00149_00_000/00152_00_000

FOR REFERENCE USE ONLY!

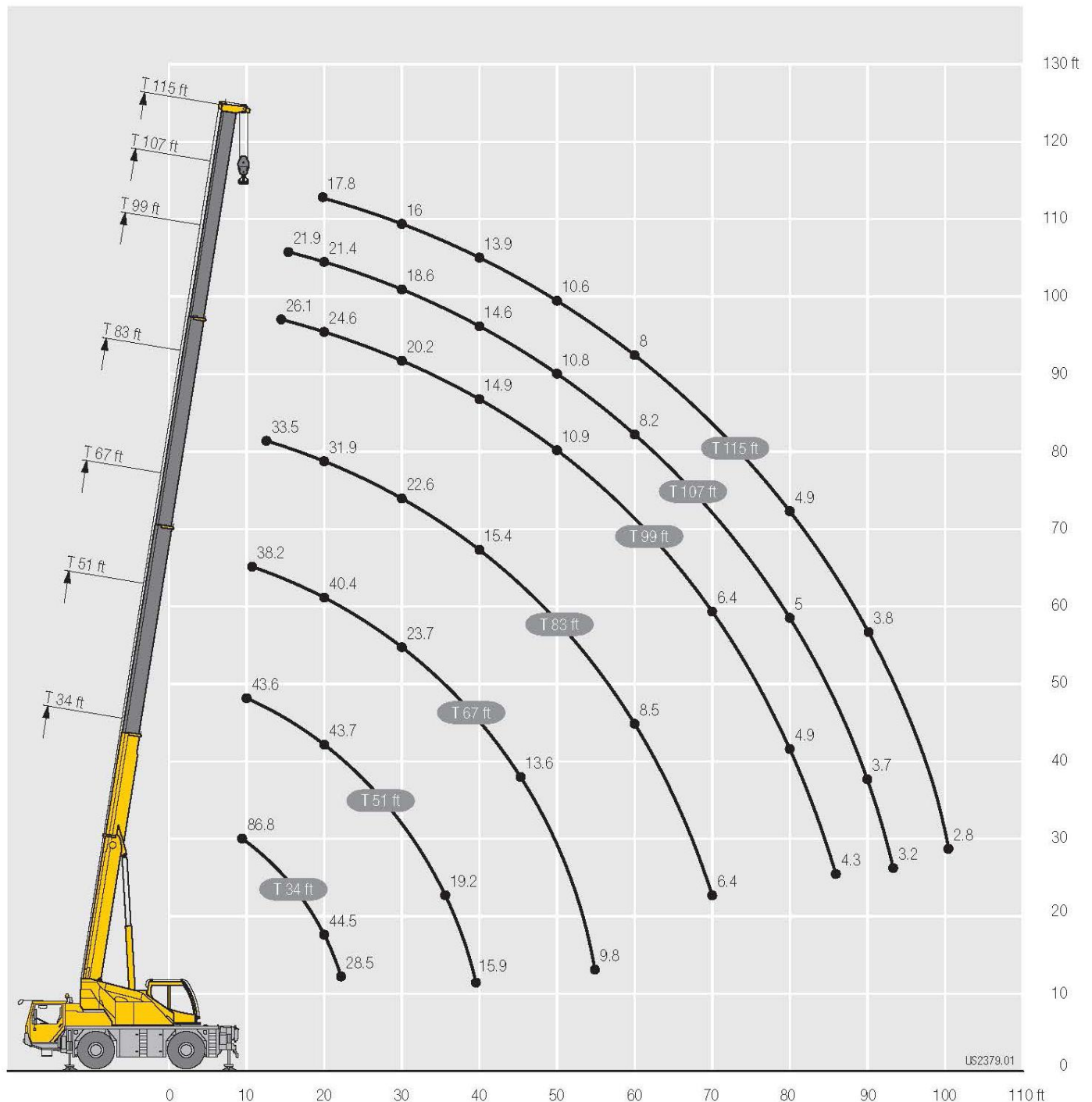
Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com



Lifting heights Hauteurs de levage

T



FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com

www.reliablecraneservice.com



Lifting capacities

Forces de levage

TK



	34 ft 31 ft				83 ft 31 ft								99 ft 31 ft								
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
10	14.6																				10
11	14.6																				11
12	14.6																				12
13	14.6	10.3																			13
14	14.6	10																			14
15	14.5	9.7			14.6	14.6															15
16	14.3	9.4			14.6	14.6															16
17	14.1	9.2			14.6	14.6															17
18	13.6	8.9			14.5	14.5															18
19	13.1	8.6			14.5	14.5							12.2	12.2							19
20	12.8	8.2			14.4	14.4							12.1	12.1							20
22	12.2	7.6	7.1		14	14							12	12							22
24	11.5	7.3	6.8		13.5	13.5							11.8	11.8							24
26	10.9	7	6.6		13	13	9.6	9.6					11.6	11.6							26
28	10.3	6.7	6.3	5.9	12.5	12.5	9.3	9.3					11.3	11.3	8.7	8.7					28
30	9.8	6.4	6.1	5.8	12.1	12.1	9	9					10.9	10.9	8.3	8.3					30
32	9.3	6.2	5.9	5.7	11.7	11.7	8.7	8.7	7.1	7.1			10.6	10.6	8	8					32
34	8.9	6	5.7	5.6	11.3	11.3	8.3	8.3	6.9	6.9			10.3	10.3	7.6	7.6					34
36	8.5	5.7	5.6	5.6	10.9	10.9	8	8	6.8	6.8			9.9	9.9	7.4	7.4					36
38	8.1	5.5	5.4	5.5	10.5	10.5	7.6	7.6	6.6	6.6	5.7	5.7	9.6	9.6	7.2	7.2					38
40	7.7	5.4	5.3	5.5	10.1	10.1	7.4	7.4	6.5	6.5	5.7	5.7	9.3	9.3	7	7	6.1	6.1			40
45	6.7	5	5		9.2	9.2	7	7	6.2	6.2	5.6	5.6	8.5	8.5	6.6	6.6	5.9	5.9	5.4	5.4	45
50	6	4.7			8.5	8.5	6.6	6.6	5.9	5.9	5.5	5.5	7.7	7.7	6.3	6.3	5.6	5.6	5.2	5.2	50
55	5.6				7.7	7.7	6.3	6.3	5.7	5.7	5.4	5.4	7.2	7.2	6	6	5.4	5.4	5.1	5.1	55
60					7	7	6	6	5.5	5.5	5.3	5.3	6.8	6.8	5.7	5.7	5.2	5.2	4.9	4.9	60
65					6.6	6.6	5.6	5.6	5.3	5.3			6.4	6.4	5.4	5.4	5	5	4.8	4.8	65
70					6.2	6.2	5.4	5.4	5.1	5.1			6	6	5.2	5.2	4.9	4.9	4.7	4.7	70
75					5.7	5.7	5.2	5.2	5	5			5.4	5.4	4.9	4.9	4.7	4.7			75
80					5.1	5.1	5	5	4.9	4.9			4.8	4.8	4.8	4.8	4.6	4.6			80
85					4.5	4.5	4.8	4.8					4.2	4.2	4.6	4.6	4.5	4.5			85
90					4	4	4.2	4.2					3.7	3.7	4	4	4.2	4.2			90
95					3.5	3.5	3.6	3.6					3.3	3.3	3.6	3.6	3.8	3.8			95
100					3	3							2.8	2.8	3.1	3.1					100
105													2.4	2.4	2.6	2.6					105
110													2.1	2.1	2.2	2.2					110
115													1.8	1.8							115

** telescopic loads - capacités de levage en télescopage

t_196_00190_00_000 / 00199_00_000 / 00208_00_000 / 00217_00_000

FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com



Lifting capacities

Forces de levage

TK



	107 ft 31 ft								115 ft 31 ft								
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
22	10.8	9.9															22
24	10.7	9.6															24
26	10.5	9.3							9.4	5.1							26
28	10.4	9							9.3	4.9							28
30	10.2	8.7	8	7.1					9.2	4.7							30
32	9.9	8.5	7.8	6.9					9.1	4.5							32
34	9.7	8.3	7.5	6.8					8.8	4.3							34
36	9.4	8	7.3	6.6					8.6	4.2	6.9	4					36
38	9.1	7.8	7.1	6.5					8.3	4	6.7	3.9					38
40	8.9	7.6	6.9	6.3					8	3.9	6.5	3.7					40
45	8.2	6.6	6.5	6	5.6	5.6	5.2	5.2	7.3	3.5	6.2	3.4	5.4	3.3			45
50	7.6	5.9	6.2	5.7	5.4	5.4	5	5	7	3.2	5.9	3.1	5.2	3	4.9	3	50
55	6.9	5.6	5.9	5.4	5.2	5.2	4.9	4.9	6.6	2.8	5.6	2.9	5	2.8	4.7	2.7	55
60	6.5	5.3	5.6	5.1	5	5	4.8	4.8	6.2	2.2	5.4	2.6	4.8	2.5	4.6	2.3	60
65	6.2	5.1	5.3	4.9	4.8	4.8	4.6	4.6	5.9	1.8	5.1	2.1	4.7	2	4.5	1.9	65
70	5.8	4.8	5.1	4.7	4.7	4.6	4.5	4.5	5.6	1.4	4.9	1.7	4.5	1.6	4.4	1.6	70
75	5.2	4.6	4.9	4.5	4.5	4.4	4.5	4.3	5	1	4.7	1.3	4.4	1.3	4.3	1.3	75
80	4.6	4.4	4.7	4.3	4.4	4.2			4.4		4.5	1	4.2	1	4.2	1	80
85	4	4	4.4	4.2	4.3	4			3.9		4.3		4.1				85
90	3.5	3.5	4	4	4.1	3.9			3.4		3.8		4				90
95	3.1	2.9	3.5	3.5	3.7	3.7			3		3.3		3.6				95
100	2.7	2.5	3.1	3.1	3.2	3.2			2.6		2.9		3.1				100
105	2.4	2	2.6	2.6					2.2		2.6		2.7				105
110	2	1.7	2.2	2.2					1.9		2.2						110
115	1.7	1.3	1.9	1.8					1.6		1.9						115
120	1.4	0.9	1.5	1.3					1.3		1.5						120
125	1.1								1		1.2						125

** telescopic loads - capacités de levage en télescopage

t_196_00190_00_000 / 00199_00_000 / 00208_00_000 / 00217_00_000



Lifting capacities

Forces de levage

TK



	34 ft				83 ft								99 ft								
	31 ft				31 ft								31 ft								
	0°	20°	40°	60°	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
10	14.6																				10
11	14.6																				11
12	14.6																				12
13	14.6	10.3																			13
14	14.6	10																			14
15	14.5	9.7			14.6	14.6															15
16	14.3	9.4			14.6	14.6															16
17	14.1	9.2			14.6	14.6															17
18	13.6	8.9			14.5	14.5															18
19	13.1	8.6			14.5	14.5							12.2	12.2							19
20	12.8	8.2			14.4	14.4							12.1	12.1							20
22	12.2	7.6	7.1		14	14							12	12							22
24	11.5	7.3	6.8		13.5	13.5							11.8	11.8							24
26	10.9	7	6.6		13	13	9.6	9.6					11.6	11.6							26
28	10.3	6.7	6.3	5.9	12.5	12.5	9.3	9.3					11.3	11.3	8.7	8.7					28
30	9.8	6.4	6.1	5.8	12.1	12.1	9	9					10.9	10.9	8.3	8.3					30
32	9.3	6.2	5.9	5.7	11.7	11.7	8.7	8.7	7.1	7.1			10.6	10.6	8	8					32
34	8.9	6	5.7	5.6	11.3	11.3	8.3	8.3	6.9	6.9			10.3	10.3	7.6	7.6					34
36	8.5	5.7	5.6	5.8	10.9	10.9	8	8	6.8	6.8			9.9	9.9	7.4	7.4					36
38	8.1	5.5	5.4	5.5	10.4	10.4	7.6	7.6	6.6	6.6	5.7	5.7	9.6	9.6	7.2	7.2					38
40	7.7	5.4	5.3	5.5	9.8	9.8	7.4	7.4	6.5	6.5	5.7	5.7	9.2	9.2	7	7	6.1	6.1			40
45	6.7	5	5		8.2	8.2	7	7	6.2	6.2	5.6	5.6	7.6	7.6	6.6	6.6	5.9	5.9	5.4	5.4	45
50	6	4.7			6.9	6.9	6.6	6.6	5.9	5.9	5.5	5.5	6.4	6.4	6.3	6.3	5.6	5.6	5.2	5.2	50
55	5.6				5.8	5.8	6.3	6.3	5.7	5.7	5.4	5.4	5.3	5.3	5.9	5.9	5.4	5.4	5.1	5.1	55
60					4.9	4.9	5.5	5.5	5.5	5.5	5.3	5.3	4.5	4.5	5.1	5.1	5.2	5.2	4.9	4.9	60
65					4.1	4.1	4.7	4.7	5.2	5.2			3.7	3.7	4.3	4.3	4.8	4.8	4.8	4.8	65
70					3.5	3.5	4	4	4.4	4.4			3.1	3.1	3.6	3.6	4.1	4.1	4.4	4.4	70
75					3	3	3.4	3.4	3.7	3.7			2.6	2.6	3.1	3.1	3.5	3.5			75
80					2.5	2.5	2.8	2.8	3.1	3.1			2.1	2.1	2.5	2.5	2.9	2.9			80
85					2.1	2.1	2.3	2.3					1.7	1.7	2.1	2.1	2.4	2.4			85
90					1.6	1.6	1.9	1.9					1.4	1.4	1.7	1.7	1.9	1.9			90
95					1.3	1.3	1.5	1.5					1	1	1.3	1.3	1.5	1.5			95
100					1	1							1	1							100

** telescopic loads - capacités de levage en télescopage

t_196_00196_00_000 / 00207_00_000 / 00216_00_000 / 00225_00_000



	107 ft								115 ft								
	31 ft								31 ft								
	0°	**	20°	**	40°	**	60°	**	0°	**	20°	**	40°	**	60°	**	
22	10.8	9.9															22
24	10.7	9.6															24
26	10.5	9.3							9.4	5.1							26
28	10.4	9							9.3	4.9							28
30	10.2	8.7	8	7.1					9.2	4.7							30
32	9.9	8.5	7.8	6.9					9.1	4.5							32
34	9.7	8.3	7.5	6.8					8.8	4.3							34
36	9.4	8	7.3	6.6					8.6	4.2	6.9	4					36
38	9.1	7.8	7.1	6.5					8.3	4	6.7	3.9					38
40	8.7	7.6	6.9	6.3					8	3.9	6.5	3.7					40
45	7.4	6.6	6.5	6	5.6	5.6	5.2	5.2	7.1	3.5	6.2	3.4	5.4	3.3			45
50	6.1	5.9	6.2	5.7	5.4	5.4	5	5	5.9	3.2	5.9	3.1	5.2	3	4.9	3	50
55	5.1	5.1	5.8	5.4	5.2	5.2	4.9	4.9	4.9	2.8	5.6	2.9	5	2.8	4.7	2.7	55
60	4.3	4.3	5	5	5	5	4.8	4.8	4.1	2.2	4.9	2.6	4.8	2.5	4.6	2.3	60
65	3.6	3.6	4.2	4.2	4.7	4.7	4.6	4.6	3.4	1.8	4.1	2.1	4.6	2	4.5	1.9	65
70	3	3	3.6	3.6	4	4	4.3	4.3	2.8	1.4	3.4	1.7	3.9	1.6	4.2	1.6	70
75	2.4	2.4	3	3	3.4	3.4	3.6	3.6	2.3	1	2.9	1.3	3.3	1.3	3.5	1.3	75
80	2	2	2.5	2.5	2.8	2.8			1.8		2.4	1	2.7	1	2.9	1	80
85	1.6	1.6	2	2	2.3	2.3			1.4		1.9		2.2				85
90	1.2	1.2	1.6	1.6	1.9	1.9			1.1		1.5		1.8				90
95			1.3	1.3	1.5	1.5					1.2		1.4				95
100			0.9	0.9	1.1	1.1							1				100

** telescopic loads - capacités de levage en télescopage

t_196_00196_00_000 / 00199_00_000 / 00208_00_000 / 00217_00_000

FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840

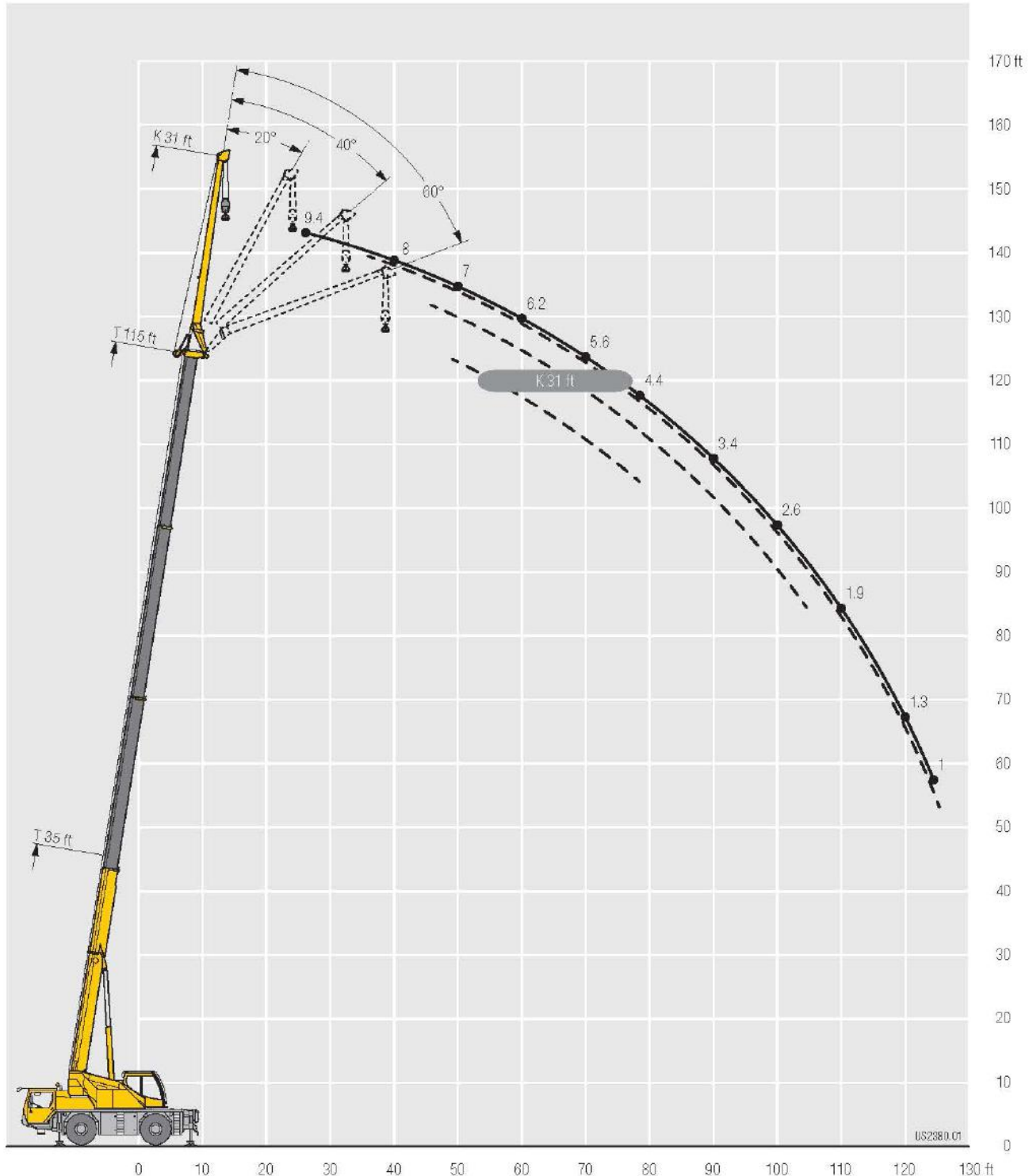
sales@reliablecraneservice.com

www.reliablecraneservice.com



Lifting heights Hauteurs de levage

TK



FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com



Equipment Equipment

Crane carrier

Frame	Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile 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	Diesel, 6 cylinder, watercooled, make Mercedes-Benz, output 210 kW (286 h.p.), max. torque 848 lbs.-ft. Exhaust emissions acc. to 97/68/EG, EPA/CARB, ECE-R.96. Fuel tank capacity: 79 gallons.
Gearbox	ZF power-shift gear with torque converter, lock-up, transfer case; 6 forward and 2 reverse speeds.
Axles	Front: planetary axle with differential lock, steerable. Rear: planetary axle with differential lock, steerable.
Suspension	Hydropneumatic suspension, lockable hydraulically.
Tyres	4 tyres. Tyre size: 16.00 R 25 (445/95 R 25).
Steering	Front axle mechanically steered, with hydraulic power assistance and stand-by steering pump. Rear axle hydraulically steered. Both axles steered hydrostatically from crane cab.
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. Sustained-action brake: engine brake.
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 110 Ah each.

Crane superstructure

Frame	Liebherr-made, torsion-resistant, welded construction of high-tensile structural steel, single-row ball bearing slewing ring.
Hydraulic system	One variable displacement axial piston pump and one gear type pump, open hydraulic circuits with electronic "load sensing", 4 working movements simultaneously operational.
Crane control	By self-centering 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 fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake, actuation by open regulated oil circuit.
Luffing gear	1 differential hydraulic ram with pilot locking valve.
Slewing gear	Hydraulic motor, planetary gear with spring loaded static brake, actuation by open oil circuit. Continuous control of slewing speed.
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.
Telescopic boom	1 boom pivot section and 3 telescopic sections. All sections hydraulically extendable under load. Boom length: 34 ft – 115 ft.
Counterweight	3300 lbs basic ballast, permanently mounted to the superstructure.



Operating modes

K	Single folding jib, 31 ft long, installation at 0°, 20°, 40° or 60°.
----------	--

Additional equipment

Ballasting device	Hydraulic ram on the superstructure.
Additional counterweight	11030 lbs for a total counterweight of 14330 lbs.

Other items of equipment available on request.



Equipment Équipement

Châssis porteur

Cadre	Fabrication Liebherr, construction en caisson indéformable, en acier grain fin à haute résistance.
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 Mercedes-Benz, refroidissement par eau, puissance 210 kW (286 ch), couple maxi. 848 lbs-ft. Émissions des gaz d'échappement conformes aux directives 97/68/EG, EPA/CARB, ECE-R.96. Capacité du réservoir carburant: 79 gallons.
Boîte de vitesse	Boîte de vitesse, marque ZF, avec convertisseur de couple, «lock-up», boîte de transfert; 6 rapports AV et 2 AR.
Essieux	Essieu AV: à trains planétaires avec blocage de différentiel, directeur. Essieu AR: à trains planétaires avec blocage de différentiel, directeur.
Suspension	Suspension hydropneumatique, blocable hydrauliquement.
Pneumatiques	4 pneumatiques. Dimension des pneumatiques: 16.00 R 25 (445/95 R 25).
Direction	Direction mécanique à assistance hydraulique de l'essieu avant. Pompe de secours. Direction de l'essieu arrière enclenchable hydrauliquement. Direction hydrostatique des deux essieux à commande depuis la cabine du grutier.
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 ressort, agissant sur les roues. Frein à régime continu: frein moteur.
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 110 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.
Système hydraulique	1 pompe à débit variable à piston axiaux et 1 pompe à engrenage, circuits hydrauliques ouverts avec «load sensing» électronique, 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.
Mécanisme de levage	Moteur hydraulique à cylindrée constante, treuil à réducteur planétaire incorporé et frein à ressort, en circuit hydraulique ouvert.
Mécanisme de relevage	1 vérin différentiel, avec clapet anti-retour de sécurité.
Dispositif de rotation	Moteur hydraulique, réducteur planétaire, frein d'arrêt commandé par ressort en circuit hydraulique ouvert. Vitesse d'orientation réglable en continu.

Cabine de grue	Résistante à la corrosion, visibilité panoramique, avec vitrage de sécurité.
Dispositif de sécurité	Contrôleur de l'état de charge LICCON2, fin de course de levage, soupapes de sécurité sur tubes et flexibles contre rupture.
Flèche télescopique	Flèche à télescopage hydraulique formée d'un élément de base et de 3 éléments télescopables en charge. Longueur de flèche: 34 ft – 115 ft.
Contrepoids	Contrepoids de base de 3300 lbs, fixé sur la partie tournante.

Modes de fonctionnement

K	Fléchette pliante simple, longueur 31 ft, montable à 0°, 20°, 40° ou 60°.
----------	---

Equipement supplémentaire

Dispositif de lestage	Vérin hydraulique sur la partie tournante.
Contrepoids additionnel	11030 lbs pour un contrepoids total de 14330 lbs.

Autres équipements supplémentaires sur demande.



Description of symbols Explication des symboles

General symbols/Symboles généraux

	Outriggers Calage		Driving speed Vitesse de translation
	Outriggers – free on tyres Calage – libre sur pneus		Transmission Boîte de vitesse
	Axle Essieu		Gear Vitesse
	Radius Portée		Hookblock / Capacity Moufle à crochet / Capacité de charge
	Boom length Longueur de la flèche		Hoist gear Treuil de levage
	Boom position Position de la flèche		Crane carrier Châssis porteur
	Counterweight Contrepoids		Crane superstructure Partie tournante de la grue
	Tyres Pneumatiques		Gradability Aptitude à gravir les pentes
	Slewing gear / Working area Mécanisme d'orientation / Plage de travail		Standard Norme

Crane specific symbols/Symboles spécifiques à la grue

	Telescopic boom Flèche télescopique		Swing away jib Fléchette pliante
---	--	---	-------------------------------------



Remarks referring to load charts

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. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centre.
6. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 68.3 kips/79.4 kips only with additional pulley block/special equipment.
9. 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 relatives aux tableaux des charges

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. Les forces de levage sont données en kips.
4. Les poids des moufles et crochets doit être soustrait des charges indiquées.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les forces indiquées pour la flèche télescopique s'entendent fléchette déployable déposée.
7. Charges données sous réserve de modification.
8. Forces de levage plus de 68.3 kips/79.4 kips seulement avec moufle additionnel/équipement supplémentaire.
9. 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.



Crane Rental • Heavy Machinery Moving • Project Management

sales@reliablecraneservice.com • 702-525-0840 or 702-400-2516

LTM 1040-2.1



Subject to modification / Sous réserve de modifications

Printed in Germany (2)

td-196-00-us12-2016

Liebherr-Werk Ehingen GmbH

Postfach 1361, 89582 Ehingen, Germany

☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99

www.liebherr.com, E-mail: info.lwe@liebherr.com

www.facebook.com/LiebherrConstruction

FOR REFERENCE USE ONLY!

Please consult Reliable Crane Service for more information.

702-400-2516 or 702-525-0840
sales@reliablecraneservice.com

www.reliablecraneservice.com