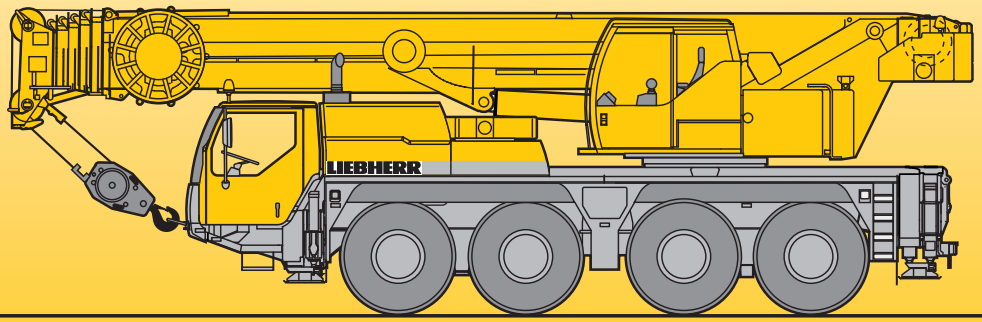
Mobile Crane
Grue mobile

LTM 1070-4.2

Technical Data
Caractéristiques techniques



LIEBHERR

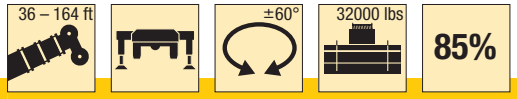
Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	36 ft *		48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	ft
9	144.6													9
10	133.6	111.5	111.3	107.4										10
11	124.1	105.2	105	104.6	86.2	70.5								11
12	115.7	99.4	99.2	99.6	85.2	69.9								12
13	108.3	94.1	94.1	94.4	84.2	69.4	56.5							13
14	101.7	89.3	89.2	89.6	83.2	68.8	56.2							14
15	95.4	84.8	84.7	85.1	82.2	68.2	55.8	45.5						15
16	89.1	80.4	80.4	80.8	80	67.5	55.4	45.3	36					16
17	83.4	76.4	77.4	76.9	77.2	66.5	55.1	45.1	35.9					17
18	78.4	72.7	73.6	73.8	73.8	65.4	54.7	44.8	35.8					18
19	73.8	69.3	70.3	70.7	70.4	64.4	54.3	44.5	35.7					19
20	69.8	66.2	67.1	67.4	67.3	63.3	53.9	44.3	35.5					20
22	62.7	60.6	61.5	61.8	61.8	61.2	53.2	43.7	35.3	28.7	22.5			22
24	56.6	55.2	56.3	56.7	56.6	57.3	52.5	42.4	35.1	28.6	22.4			24
26	51.3	50.4	51.4	51.9	52.5	52.7	50.5	40.6	34.9	28.3	22.3	17.6		26
28	46.7	46.3	47.4	47.8	48.7	48.5	46.3	38.8	34	28.1	22	17.5	14.7	28
30			44.1	44	45	44.7	42.4	37.1	32.9	27.8	21.7	17.4	14.7	30
32			40.6	41.3	41.5	41.1	38.8	35.5	31.8	27.2	21.5	17.2	14.6	32
34			37.4	38.1	38.3	38	35.8	33.9	30.6	26.5	21.1	17.1	14.5	34
36			34.4	35.3	35.4	35.1	33.4	32.5	29.5	25.7	20.7	16.9	14.4	36
38			31.4	32.4	32.6	32.3	31	30.3	28.1	25	20.3	16.7	14.3	38
40			28.8	29.8	30	29.7	28.9	28.3	26.9	24.2	19.8	16.4	14.3	40
45				24.6	24.8	25	24.9	24.3	23.5	22.1	18.7	15.7	13.8	45
50				20.7	21.3	21.1	21.3	20.7	20.3	19	17.6	14.9	13.3	50
55					18.2	18.6	18.3	17.9	17.6	17.1	16.2	14.1	12.7	55
60					15.9	16.2	15.9	15.9	15.6	15.4	14.3	13.3	12	60
65						14.2	13.9	14	13.8	13.5	12.6	12.3	11.3	65
70						12.6	12.3	12.6	12.2	11.8	11.7	11.1	10.5	70
75						11.3	11.1	11.2	10.8	10.5	10.4	9.8	9.5	75
80							10.3	10	10	9.7	9.2	8.6	8.4	80
85							9.3	9	9	8.7	8.2	7.6	7.5	85
90								8.2	8.1	7.7	7.3	6.7	6.6	90
95								7.4	7.2	6.9	6.5	5.9	5.9	95
100									6.5	6.1	5.8	5.3	5.2	100
105									5.8	5.4	5.1	4.6	4.6	105
110									5.3	4.8	4.5	4	4	110
115										4.3	4	3.4	3.5	115
120										3.8	3.5	2.9	3	120
125											3	2.5	2.5	125
130											2.6	2.1	2.1	130

* over rear · en arrière

t_189_00002_00_000 / 00024_00_000

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique



ft	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	ft
10	111.5	111.3	107.4										10
11	105.2	105.0	104.6	86.2	70.5								11
12	99.4	99.2	99.6	85.2	69.9								12
13	94.1	94.1	94.4	84.2	69.4	56.5							13
14	89.3	89.2	89.6	83.2	68.8	56.2							14
15	84.8	84.7	85.1	82.2	68.2	55.8	45.5						15
16	80.4	80.4	80.8	80.0	67.5	55.4	45.3	36.0					16
17	76.4	77.4	76.9	77.2	66.5	55.1	45.1	35.9					17
18	72.7	73.6	73.8	73.8	65.4	54.7	44.8	35.8					18
19	69.3	70.3	70.7	70.4	64.4	54.3	44.5	35.7					19
20	66.2	67.1	67.4	67.3	63.3	53.9	44.3	35.5					20
22	60.6	61.5	61.8	61.8	61.2	53.2	43.7	35.3	28.7	22.5			22
24	55.2	56.3	56.7	56.6	57.3	52.5	42.4	35.1	28.6	22.4			24
26	50.4	51.4	51.9	52.5	52.7	51.2	40.6	34.9	28.3	22.3	17.6		26
28	46.3	47.4	47.8	48.7	48.5	47.9	38.8	34.0	28.1	22.0	17.5	14.7	28
30		44.2	44.1	45.0	44.8	44.4	37.1	32.9	27.8	21.7	17.4	14.7	30
32		40.8	41.4	41.7	41.4	41.0	35.5	31.8	27.2	21.5	17.2	14.6	32
34		37.9	38.6	38.7	38.5	37.9	34.1	30.6	26.5	21.1	17.1	14.5	34
36		35.2	36.0	36.1	35.9	35.2	32.6	29.5	25.7	20.7	16.9	14.4	36
38		32.7	33.6	33.7	33.5	33.0	31.4	28.5	25.0	20.3	16.7	14.3	38
40		30.4	31.3	31.4	31.2	30.8	29.9	27.5	24.2	19.8	16.4	14.3	40
45			26.1	26.3	26.3	25.7	25.8	24.8	22.5	18.7	15.7	13.8	45
50			22.2	22.6	22.5	22.5	22.2	21.8	20.5	17.6	14.9	13.3	50
55				19.6	19.4	19.6	19.0	19.0	18.1	16.5	14.1	12.7	55
60				17.1	17.3	17.2	16.7	16.5	16.2	15.4	13.3	12.0	60
65					15.4	15.1	14.9	14.6	14.7	14.0	12.4	11.3	65
70					13.7	13.4	13.5	13.3	13.0	12.2	11.7	10.6	70
75					12.2	11.7	12.1	11.7	11.4	10.9	10.8	10.0	75
80						10.7	10.9	10.5	10.2	10.2	9.7	9.4	80
85						9.9	9.8	9.6	9.3	9.2	8.6	8.6	85
90							9.0	9.0	8.7	8.3	7.7	7.6	90
95							8.2	8.2	7.8	7.5	6.9	6.8	95
100								7.4	7.0	6.7	6.1	6.1	100
105								6.7	6.3	6.0	5.4	5.4	105
110								6.1	5.7	5.3	4.8	4.8	110
115									5.1	4.8	4.2	4.2	115
120									4.6	4.2	3.7	3.7	120
125										3.8	3.2	3.2	125
130										3.3	2.8	2.8	130
135											2.4	2.4	135
140											2.1	2.0	140
145											1.7	1.7	145

±60° over rear · ±60° en arrière

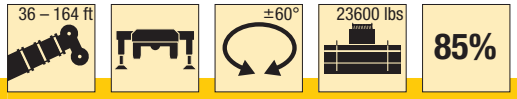
t_189_00004_00_000

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	ft
10	111.1	111	107.4										10
11	104.7	104.5	104.2	86.2	70.5								11
12	98.9	98.7	99.1	85.2	69.9								12
13	93.5	93.5	93.9	84.2	69.4	56.5							13
14	88.4	88.4	88.7	83.2	68.8	56.2							14
15	83.6	83.5	83.9	81.9	68.2	55.8	45.5						15
16	79.2	79.2	79.6	79.3	67.5	55.4	45.3	36					16
17	75.2	76.2	75.9	76.4	66.5	55.1	45.1	35.9					17
18	71.6	72.5	72.8	72.7	65.4	54.7	44.8	35.8					18
19	68.2	69.2	69.6	69.4	64.4	54.3	44.5	35.7					19
20	65	66	66.4	66.3	63.3	53.9	44.3	35.5					20
22	58.6	59.6	60.1	60	59.1	53.2	43.7	35.3	28.7	22.5			22
24	53.1	54.2	54.7	55	52.5	49	42.4	35.1	28.6	22.4			24
26	48	49.5	49.8	50	47.2	44	40.3	34.9	28.3	22.3	17.6		26
28	43.5	45.2	45.5	45	42.6	39.9	38	34	28.1	22	17.5	14.7	28
30		40.8	41.7	40.9	38.7	36.7	35.4	32.9	27.8	21.7	17.4	14.7	30
32		36.4	37.3	37.3	35.4	33.8	32.5	30.6	27.2	21.5	17.2	14.6	32
34		32.7	33.7	33.9	32.8	31.8	30.1	28.9	26.5	21.1	17.1	14.5	34
36		29.6	30.6	30.8	30.7	29.6	28.1	27	25.3	20.7	16.9	14.4	36
38		26.9	27.9	28.1	28.4	27.4	26.1	25.2	23.5	20.3	16.7	14.3	38
40		24.6	25.6	26.2	26.1	25.8	24.6	23.4	21.9	19.8	16.4	14.3	40
45			21	21.7	22	21.7	20.8	19.8	19.4	18.2	15.7	13.8	45
50			17.7	18.2	18.6	18.2	18.3	17.6	16.8	15.6	14.8	13.3	50
55				15.9	15.9	15.7	15.9	15.4	14.6	14.2	13.4	12.5	55
60				13.8	13.7	13.8	13.8	13.4	13.1	12.6	11.6	11.2	60
65					12	12.3	12	12	11.5	11	10.1	9.7	65
70					10.5	10.8	10.6	10.5	10.1	9.6	8.8	8.5	70
75					9.5	9.6	9.4	9.3	8.8	8.4	7.7	7.4	75
80						8.6	8.4	8.2	7.8	7.4	6.7	6.4	80
85						7.6	7.4	7.3	6.9	6.5	5.8	5.6	85
90							6.6	6.4	6.1	5.7	5.1	4.9	90
95							5.8	5.7	5.3	5	4.4	4.2	95
100								5	4.6	4.3	3.8	3.6	100
105								4.4	4.1	3.7	3.2	3.1	105
110								3.9	3.5	3.2	2.6	2.6	110
115									3.1	2.7	2.1	2.1	115
120									2.6	2.3			120
125										1.8			125

t_189_00032_00_000

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique



ft	36 ft	48 ft	60 ft	72 ft	83 ft	95 ft	107 ft	118 ft	130 ft	142 ft	154 ft	164 ft	ft
10	111.1	111	107.4										10
11	104.7	104.5	104.2	86.2	70.5								11
12	98.9	98.7	99.1	85.2	69.9								12
13	93.5	93.5	93.9	84.2	69.4	56.5							13
14	88.4	88.4	88.7	83.2	68.8	56.2							14
15	83.6	83.5	83.9	81.9	68.2	55.8	45.5						15
16	79.2	79.2	79.6	79.3	67.5	55.4	45.3	36					16
17	75.2	76.2	75.9	76.4	66.5	55.1	45.1	35.9					17
18	71.6	72.5	72.8	72.7	65.4	54.7	44.8	35.8					18
19	68.2	69.2	69.6	69.4	64.4	54.3	44.5	35.7					19
20	65	66	66.4	66.3	63.3	53.9	44.3	35.5					20
22	58.6	59.6	60.1	60	60.5	53.2	43.7	35.3	28.7	22.5			22
24	53.1	54.2	54.7	55.2	55.2	51.7	42.4	35.1	28.6	22.4			24
26	48	49.5	49.9	50.9	50	46.9	40.6	34.9	28.3	22.3	17.6		26
28	43.6	45.6	45.7	46.7	45.5	42.7	38.8	34	28.1	22	17.5	14.7	28
30		41.8	42.6	42.9	41.5	39.2	36.5	32.9	27.8	21.7	17.4	14.7	30
32		38.3	39.3	39.4	38.1	36.3	35	31.8	27.2	21.5	17.2	14.6	32
34		34.8	35.7	36	35.2	33.5	32.7	30.5	26.5	21.1	17.1	14.5	34
36		31.7	32.7	32.8	32.5	31.1	30.3	28.8	25.7	20.7	16.9	14.4	36
38		29	29.9	30.1	30.2	29.4	28.3	27	25	20.3	16.7	14.3	38
40		26.6	27.6	27.8	28	27.9	26.7	25.7	24.1	19.8	16.4	14.3	40
45			22.8	23.5	23.3	23.5	22.8	22	20.5	18.7	15.7	13.8	45
50			19.3	19.8	20.1	19.9	19.5	18.9	18.2	17.3	14.9	13.3	50
55				17	17.4	17.1	17.1	16.7	16.3	15	14.1	12.7	55
60				15.1	15.2	14.9	15.1	14.8	14.3	13.5	13	12	60
65					13.3	13.2	13.4	13	12.6	12.4	11.5	11	65
70					11.8	11.9	11.9	11.5	11.2	11	10.1	9.7	70
75					10.6	10.8	10.5	10.5	10.1	9.7	8.9	8.6	75
80						9.7	9.4	9.4	9	8.6	7.8	7.6	80
85						8.7	8.5	8.4	8.1	7.6	6.9	6.7	85
90							7.7	7.5	7.2	6.7	6.1	5.9	90
95							6.9	6.7	6.3	6	5.4	5.2	95
100								6	5.6	5.3	4.7	4.5	100
105								5.4	5	4.7	4.1	3.9	105
110								4.8	4.4	4.1	3.5	3.4	110
115									3.9	3.5	3	3	115
120									3.4	3.1	2.5	2.5	120
125										2.6	2	2	125
130										2.2			130

±60° over rear · ±60° en arrière

t_189_00012_00_000

Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

ft	36 ft	48 ft	60 ft	ft
10	34.1	35.2	35.6	10
11	31.7	32.9	33.3	11
12	29.6	30.8	31.3	12
13	27.6	28.9	29.4	13
14	25.9	27.1	27.7	14
15	24.2	25.5	26.1	15
16	22.8	24.1	24.6	16
17	21.4	22.7	23.3	17
18	20.1	21.4	22.1	18
19	19	20.3	21	19
20	17.9	19.2	19.9	20
22	16	17.3	18	22
24	14.4	15.7	16.3	24
26	12.6	14.3	14.9	26
28	10.9	12.8	13.6	28
30		11.2	12.1	30
32		9.9	10.8	32
34		8.9	9.7	34
36		8	8.8	36
38		7.1	7.9	38
40		6.4	7.2	40
45			5.6	45
50			4.4	50

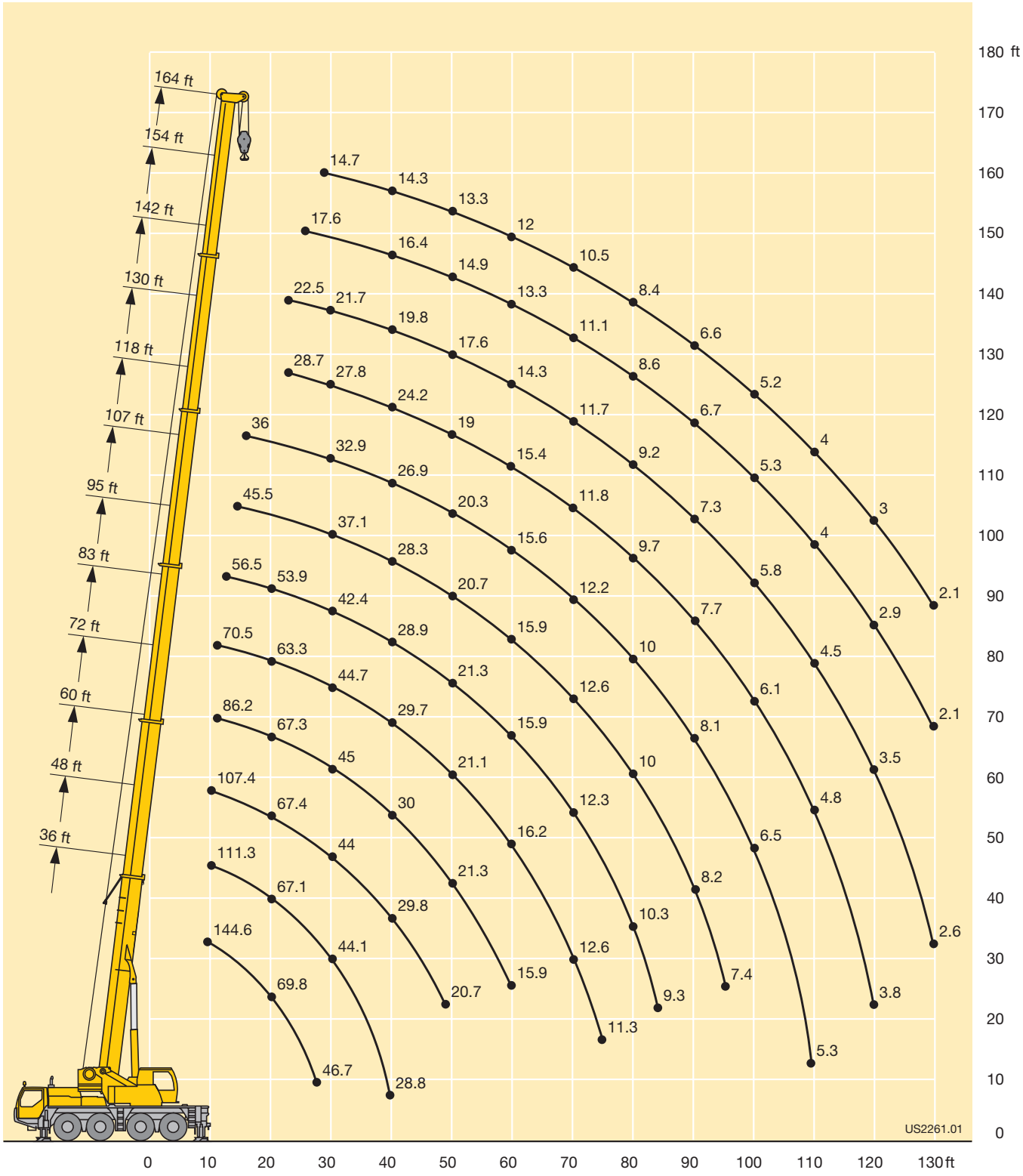
0° = over rear · en arrière

t_189_00312_00_000

ft	36 ft		48 ft		60 ft		ft
	15200 lbs	12600 lbs	15200 lbs	12600 lbs	15200 lbs	12600 lbs	
10	26.7	25.1	26.5	27.2		26	10
11	23.8	21.8	23.8	23.8		23.8	11
12	21	19	20.8	21	21.6	22.1	12
13	18.5	16.7	20.5	18.7	19.5	19.7	13
14	16.4	14.8	18.3	16.7	18.3	17.7	14
15	14.6	13	16.5	15	17.5	15.9	15
16	13	11	14.9	13.6	15.8	14.5	16
17	11.3	9.4	13.5	12.2	14.5	13.1	17
18	9.8	8	12.1	10.8	13.3	11.8	18
19	8.5	6.8	11	9.5	12.1	10.8	19
20	7.4	5.9	9.9	8.4	11	9.8	20
22	5.5	4.4	7.8	6.4	9.3	7.8	22
24	4.2	3.3	6.1	4.9	7.6	6.2	24
26	3.2	2.4	4.7	3.9	6.1	4.9	26
28	2.5	1.7	3.9	3.1	4.8	4	28
30			3.1	2.4	3.9	3.2	30
32			2.4	1.8	3.2	2.6	32
34			1.9		2.7	2	34
36					2.2		36
38					1.7		38

t_189_00327_00_000 / 00328_00_000

Lifting heights
Hauteurs de levage



Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique

ft	36 ft / 31 ft				48 ft / 31 ft				60 ft / 31 ft				72 ft / 31 ft				83 ft / 31 ft				95 ft / 31 ft				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	25				25				25				25				25								10
11	25				25				25				25				25								11
12	25	21.4			25				25				25				25				25				12
13	25	20.9			25				25				25				25				25				13
14	25	20.4			25	21			25				25				25				25				14
15	25	19.9			25	20.6			25				25				25				25				15
16	25	19.4			25	20.2			25	20.5			25				25				25				16
17	25	19			25	19.7			25	20.1			25				25				25				17
18	25	18.5			25	19.3			25	19.7			25	19.6			25				25				18
19	25	18.1			25	19			25	19.4			25	19.3			25				25				19
20	24.9	17.7	14.1		25	18.6			25	19			25	19			25	19			25				20
22	24.2	17	13.7		25	17.9	13.9		25	18.4			25	18.5			25	18.6			24.8	17.9			22
24	23.3	16.4	13.4		24.9	17.2	13.7		25	17.9	13.8		25	17.9			25	18.1			24.5	17.5			24
26	22.4	15.7	13.1	10.6	24.6	16.7	13.4		25	17.3	13.5		24.7	17.4	13.5		25	17.6			24.3	17.1			26
28	21.5	15.2	12.8	10.4	23.8	16.2	13.1	10.5	25	16.8	13.3		24.4	17	13.3		24.9	17.2	13.3		24	16.7			28
30	20.6	14.8	12.4	10.2	22.9	15.6	12.9	10.4	24.9	16.3	13.1	10.5	24.1	16.5	13.1		24.6	16.8	13.2		23.8	16.4	13		30
32	19.6	14.3	12	10.1	22.1	15.2	12.6	10.3	24.2	15.9	12.9	10.4	23.8	16.1	12.9	10.4	24.1	16.4	13		23.5	16.1	12.7		32
34	18.5	13.9	11.8	9.9	21.3	14.8	12.3	10.1	23.4	15.5	12.7	10.2	23.4	15.7	12.6	10.3	23.7	16	12.8	10.3	23.1	15.8	12.5		34
36	17.4	13.5	11.6	9.8	20.5	14.5	12	10	22.6	15.1	12.5	10.1	23	15.4	12.4	10.2	23.2	15.7	12.6	10.2	22.6	15.5	12.2	10.2	36
38	16.2	13.1	11.4	9.8	19.6	14.1	11.8	9.9	21.8	14.7	12.2	10	22.4	15.1	12.1	10.1	22.8	15.4	12.4	10.1	22.2	15.2	12.1	10.1	38
40	15.2	12.7	11.2	9.7	18.7	13.8	11.6	9.8	20.9	14.5	11.9	9.9	21.7	14.8	12	10	22.3	15.1	12.2	10.1	21.7	14.9	12	10	40
45	13.2	11.8	10.7	9.6	16.4	13	11.2	9.7	18.9	13.8	11.5	9.8	20	14.1	11.6	9.8	21	14.4	11.8	9.9	20.6	14.4	11.6	9.9	45
50	11.4	11.3	10.4	9.6	14.3	12.2	10.8	9.6	17.1	13.1	11.1	9.7	18.3	13.5	11.3	9.7	19.4	13.8	11.4	9.8	19.2	13.9	11.4	9.8	50
55	10.2	10.8	10.3		12.8	11.6	10.5	9.6	15.2	12.4	10.8	9.6	16.8	13	11	9.7	16.9	13.3	11.2	9.7	17.2	13.4	11.2	9.7	55
60	9.2				11.3	11.2	10.3	9.6	13.6	11.8	10.6	9.6	15.3	12.5	10.8	9.6	14.5	12.7	11	9.6	15.1	12.9	11	9.6	60
65					10.3	10.8	10.3		12.4	11.4	10.4	9.6	13.3	11.9	10.6	9.6	12.6	12.2	10.8	9.6	13.1	12.4	10.8	9.6	65
70					9.5	10.6			11.1	11.1	10.3	9.6	11.7	11.4	10.4	9.6	10.9	11.6	10.6	9.6	11.5	11.9	10.7	9.6	70
75									10.3	10.7	10.3	9.6	10.2	10.7	10.3	9.6	9.4	10.2	10.4	9.6	10	10.8	10.5	9.6	75
80									9.4	9.6	9.4		9	9.4	9.7	9.4	8.2	8.8	9.2	9.3	8.8	9.5	9.9	9.6	80
85													7.9	8.3	8.4	8	7.1	7.6	8	8	7.7	8.3	8.7	8.8	85
90													7	7.2	7.1		6.1	6.6	6.8	6.7	6.7	7.2	7.6	7.6	90
95													6.2				5.3	5.7	5.8	5.4	5.9	6.3	6.6	6.6	95
100																	4.6	4.8	4.8		5.2	5.5	5.7	5.6	100
105																	4	4.1			4.5	4.8	4.9	4.7	105
110																					3.9	4.1	4.1		110
115																					3.4	3.5	3.3		115

t_189_00256_00_000

Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique

ft	107 ft / 31 ft				118 ft / 31 ft				130 ft / 31 ft				142 ft / 31 ft				154 ft / 31 ft				164 ft / 31 ft				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°	
14	24.2																								14
15	24.1																								15
16	24																								16
17	23.9				17.7																				17
18	23.8				17.6				11.7																18
19	23.7				17.4				15.3																19
20	23.5				17.3				15.2				10.4												20
22	23.3				17.1				15				10.4												22
24	23				16.8				14.8				10.4				9.3								24
26	22.7	16.7			16.5				14.6				10.4				9.3				7.9				26
28	22.5	16.4			16.3				14.4				10.3				9.2				7.8				28
30	22.1	16.1			16.1	14.3			14.2	12.4			10.3				9.2				7.8				30
32	21.8	15.8			15.9	14.2			14	12.3			10.3				9.1				7.7				32
34	21.5	15.5	12.6		15.8	14.1			13.9	12.2			10.2	9.2			9.1				7.7				34
36	21.2	15.3	12.4		15.6	14			13.7	12.2			10.2	9.2			9.1	8.2			7.6				36
38	20.9	15.1	12.2	10.1	15.4	13.9	11.9		13.5	12.1			10.1	9.1			9	8.2			7.6	7			38
40	20.6	14.9	12	10.1	15.2	13.6	11.8		13.3	12	11.3		10	9.1			8.9	8.2			7.6	7			40
45	19.8	14.3	11.6	9.9	14.5	12.9	11.5	9.8	12.9	11.8	11.1	9.8	9.7	9	8.8		8.7	8.1	7.9		7.4	6.9			45
50	18.3	13.9	11.3	9.8	13.8	12.2	11.1	9.7	12.5	11.5	10.9	9.7	9.5	8.8	8.8	8.9	8.6	8	7.9		7.3	6.9	6.7		50
55	15.8	13.5	11.2	9.7	13	11.6	10.7	9.6	12.1	11.2	10.6	9.6	9.2	8.6	8.6	8.7	8.4	7.9	7.9	8.1	7.2	6.8	6.7	6.9	55
60	13.8	13.1	11	9.7	12.2	11.1	10.3	9.6	11.7	10.8	10.2	9.6	8.7	8.4	8.3	8.3	8.1	7.9	7.8	8	7	6.8	6.7	6.9	60
65	12	12.7	10.9	9.6	11.6	10.5	9.9	9.5	11.1	10.4	9.8	9.5	8.3	8.1	7.9	8	7.9	7.8	7.6	7.8	6.9	6.8	6.6	6.9	65
70	10.8	11.4	10.7	9.6	10.9	10	9.5	9.4	10	10	9.5	9.3	7.9	7.7	7.6	7.7	7.6	7.5	7.4	7.5	6.7	6.7	6.5	6.7	70
75	10	10.1	10.6	9.6	9.8	9.6	9.2	9.2	8.8	9.5	9.2	9.1	7.6	7.4	7.3	7.3	7.4	7.2	7.1	7.2	6.5	6.6	6.4	6.5	75
80	9.2	9	9.3	9.4	8.7	9.2	8.9	8.9	7.7	8.7	8.8	8.9	7.2	7	6.9	7	7.1	6.9	6.9	6.9	6.3	6.3	6.2	6.3	80
85	8.1	8.6	8.4	8.5	7.6	8.3	8.6	8.7	6.8	7.6	8.2	8.5	6.9	6.7	6.6	6.7	6.6	6.6	6.6	6.7	6.1	6.1	6	6.1	85
90	7.2	7.7	8.1	8.2	6.7	7.3	7.8	8	6.4	6.7	7.2	7.5	6.6	6.4	6.4	6.5	5.8	6.3	6.3	6.4	5.5	5.8	5.8	5.9	90
95	6.3	6.8	7.2	7.2	5.8	6.4	6.8	7	6.1	6	6.3	6.5	5.8	6.2	6.1	6.2	5	5.7	6	6.2	4.8	5.4	5.6	5.7	95
100	5.6	6	6.3	6.3	5.1	5.6	6	6	5.6	5.7	5.7	5.8	5.1	5.7	5.9	6	4.4	5	5.4	5.7	4.2	4.8	5.3	5.4	100
105	4.9	5.3	5.5	5.4	4.4	4.9	5.2	5.2	4.9	5.4	5.5	5.6	4.5	5	5.4	5.5	3.8	4.3	4.7	4.9	3.6	4.1	4.6	4.8	105
110	4.3	4.6	4.8	4.6	3.8	4.2	4.5	4.5	4.3	4.7	5	5	3.9	4.4	4.7	4.8	3.2	3.7	4.1	4.3	3	3.6	4	4.2	110
115	3.8	4	4.1	3.9	3.3	3.6	3.9	3.8	3.8	4.1	4.4	4.4	3.4	3.8	4	4.1	2.7	3.2	3.5	3.6	2.5	3	3.4	3.5	115
120	3.3	3.5	3.5	3.1	2.8	3.1	3.3	3.1	3.3	3.6	3.8	3.7	2.9	3.3	3.5	3.5	2.2	2.7	3	3.1	2.1	2.5	2.8	3	120
125	2.9	3	2.9		2.3	2.6	2.7	2.5	2.8	3.1	3.2	3.2	2.4	2.8	3	3	1.8	2.2	2.5	2.5	1.6	2.1	2.4	2.4	125
130	2.5	2.5			2	2.1	2.2	1.9	2.4	2.6	2.7	2.6	2	2.3	2.5	2.4	1.4	1.8	2	2		1.6	1.9	2	130
135					1.6	1.7	1.7		2	2.2	2.3	2.1	1.6	1.9	2	1.9		1.4	1.6	1.6			1.5	1.5	135
140						1.3			1.7	1.9	1.9	1.6		1.5	1.6	1.5									140
145									1.4	1.5	1.4														145

t_189_00256_00_000

Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique

ft	36 ft / 52 ft				48 ft / 52 ft				60 ft / 52 ft				72 ft / 52 ft				83 ft / 52 ft				95 ft / 52 ft				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	16.7				16.7				16.3				15.3												10
11	16.4				16.5				16.2				15.3												11
12	16.1				16.4				16.1				15.1				14.6								12
13	15.7				16.2				15.9				15				14.6				12				13
14	15.3				15.9				15.8				14.9				14.5				12.1				14
15	15				15.6				15.6				14.8				14.4				12.1				15
16	14.6				15.3				15.5				14.7				14.3				12.1				16
17	14.2				15				15.2				14.6				14.2				12.1				17
18	13.9				14.7				15				14.4				14.1				12.1				18
19	13.5				14.3				14.7				14.3				14				12.1				19
20	13.2				14				14.5				14.1				13.9				12.1				20
22	12.5				13.4				13.9				13.6				13.6				12.1				22
24	11.9	8.5			12.8	8.7			13.4				13.2				13.2				12				24
26	11.2	8.1			12.3	8.4			12.9	8.5			12.7				12.9				11.9				26
28	10.6	7.9			11.7	8.1			12.4	8.3			12.3	8.3			12.5				11.7				28
30	10.1	7.6			11.1	7.9			11.9	8.1			11.8	8.1			12	8.2			11.5				30
32	9.8	7.4			10.6	7.6			11.5	7.8			11.5	7.9			11.7	8			11.3	7.8			32
34	9.4	7.1			10.1	7.4			11	7.6			11.2	7.7			11.3	7.8			11.1	7.7			34
36	9.1	6.9			9.8	7.2			10.5	7.5			10.8	7.5			11	7.6			10.9	7.5			36
38	8.7	6.7	5.7		9.5	7	5.8		10.1	7.3			10.5	7.4			10.8	7.5			10.7	7.4			38
40	8.4	6.5	5.6		9.2	6.9	5.7		9.7	7.1	5.7		10.1	7.2			10.5	7.3			10.5	7.3			40
45	7.7	6.1	5.3		8.5	6.4	5.4		9.1	6.7	5.5		9.4	6.8	5.5		9.8	7	5.5		10	6.9			45
50	7.1	5.8	5.1	4.9	7.8	6.1	5.2	4.9	8.5	6.3	5.3	5	8.8	6.5	5.3		9.2	6.7	5.4		9.5	6.6	5.3		50
55	6.5	5.5	4.9	4.8	7.3	5.8	5	4.8	7.9	6	5.1	4.9	8.4	6.2	5.2	4.9	8.7	6.4	5.2	4.9	9	6.4	5.2	4.8	55
60	6.1	5.2	4.8	4.7	6.8	5.5	4.9	4.8	7.4	5.8	5	4.8	7.8	5.9	5	4.8	8.2	6.1	5.1	4.8	8.6	6.2	5.1	4.8	60
65	5.7	5	4.7	4.7	6.3	5.3	4.8	4.7	6.9	5.5	4.9	4.7	7.3	5.7	4.9	4.7	7.8	5.9	5	4.7	8.2	5.9	5	4.7	65
70	5.3	4.8	4.6	4.7	5.9	5	4.7	4.7	6.5	5.3	4.7	4.7	7	5.5	4.8	4.7	7.3	5.7	4.8	4.7	7.8	5.7	4.9	4.7	70
75	4.9	4.7	4.6		5.6	4.9	4.6	4.7	6.1	5.1	4.7	4.7	6.6	5.3	4.7	4.7	7	5.4	4.8	4.7	7.4	5.6	4.8	4.6	75
80	4.7	4.6			5.2	4.7	4.6	4.7	5.8	4.9	4.6	4.7	6.2	5.1	4.6	4.7	6.6	5.3	4.7	4.7	7.1	5.4	4.7	4.6	80
85					5	4.6	4.6		5.5	4.8	4.6	4.7	5.9	5	4.6	4.7	6.3	5.1	4.6	4.7	6.8	5.2	4.6	4.6	85
90					4.7	4.6			5.2	4.7	4.6	4.7	5.6	4.8	4.5	4.7	6	5	4.6	4.7	6.5	5.1	4.6	4.6	90
95									4.9	4.6	4.6		5.3	4.7	4.5	4.7	5.7	4.8	4.5	4.7	6.3	5	4.5	4.6	95
100									4.7	4.6			5.1	4.6	4.5	4.7	5.4	4.8	4.5	4.7	6	4.8	4.5	4.6	100
105													4.9	4.6	4.5		4.9	4.7	4.5	4.7	5.4	4.7	4.5	4.6	105
110													4.7	4.6	4.5		4.3	4.6	4.5	4.6	4.8	4.7	4.5	4.6	110
115													4.6	4.6			3.8	4.3	4.4		4.2	4.6	4.5	4.6	115
120																	3.3	3.7	3.6		3.7	4.2	4.4	4.1	120
125																	2.9	3.1			3.3	3.6	3.8		125
130																					2.9	3.2	3.1		130
135																					2.5	2.7			135
140																					2.2				140

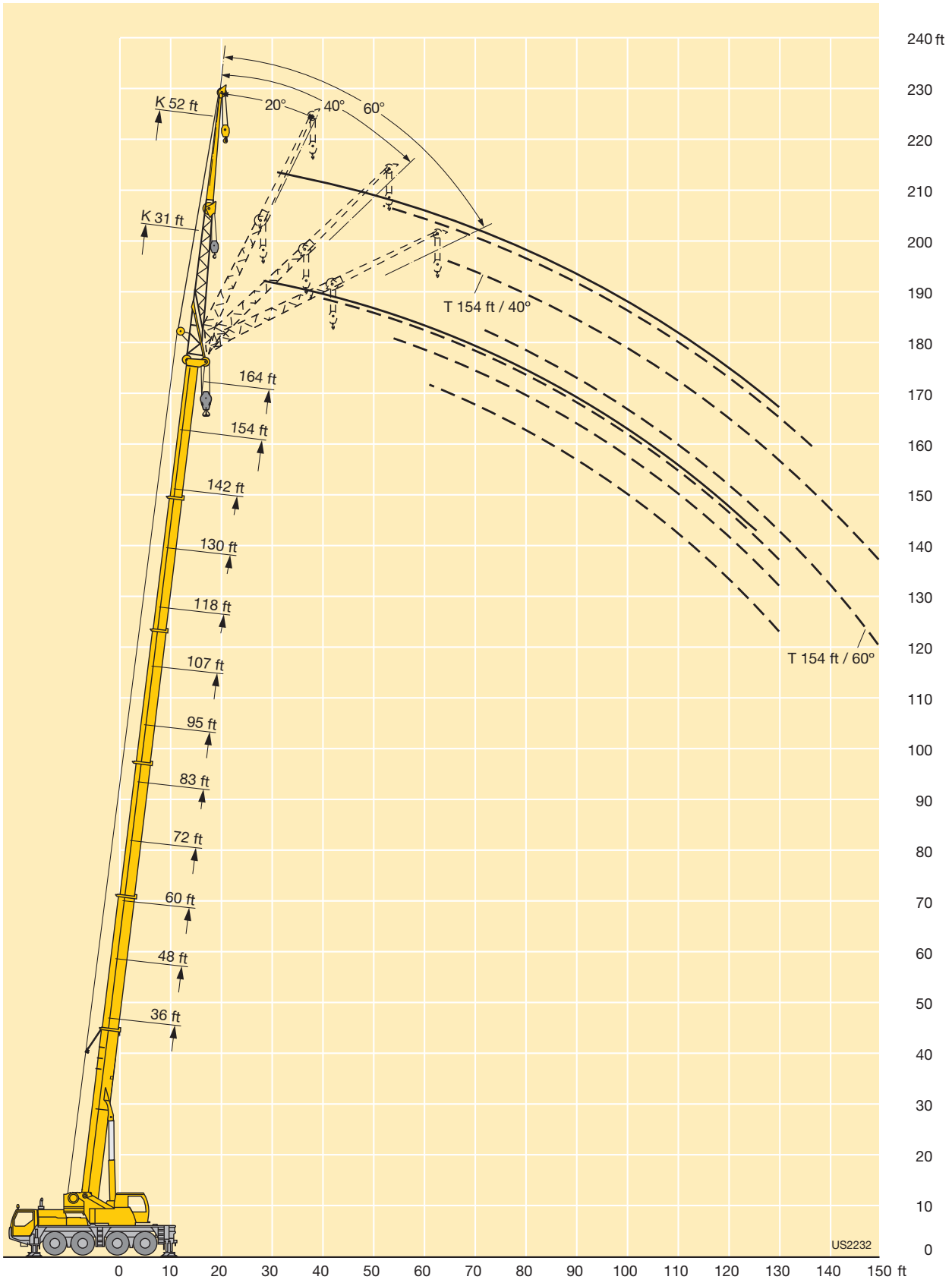
t_189_00264_00_000

Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique

ft	107 ft				118 ft				130 ft				142 ft				154 ft				164 ft		ft
	52 ft				52 ft				52 ft				52 ft				52 ft				52 ft		
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	
16	11.3																						16
17	11.3																						17
18	11.3				9.6																		18
19	11.3				9.6																		19
20	11.3				9.6																		20
22	11.3				9.6				8.9														22
24	11.3				9.6				8.8				7.3										24
26	11.3				9.6				8.8				7.2										26
28	11.2				9.6				8.7				7.1				6.5						28
30	11				9.5				8.7				7				6.4				5.5		30
32	10.9				9.5				8.7				6.9				6.3				5.5		32
34	10.7				9.4				8.6				6.8				6.3				5.4		34
36	10.6	7.5			9.3				8.5				6.8				6.2				5.4		36
38	10.4	7.4			9.2	7			8.5				6.7				6.1				5.3		38
40	10.3	7.3			9.1	6.9			8.4				6.6				6				5.3		40
45	9.9	6.9			8.9	6.6			8.2	6.5			6.5	5.8			5.9				5.1		45
50	9.5	6.7	5.3		8.6	6.4			8	6.4			6.3	5.8			5.8	5.2			5	4.5	50
55	9	6.4	5.2		8.3	6.2	5.1		7.8	6.2	5.1		6.2	5.7			5.7	5.2			4.9	4.5	55
60	8.6	6.2	5.1	4.8	8.1	6	5		7.6	6	5		6.1	5.6	4.8		5.6	5.2			4.8	4.5	60
65	8.3	6	5	4.7	7.8	5.8	4.9	4.7	7.5	5.8	4.9	4.6	6	5.5	4.8		5.4	5.1	4.7		4.7	4.4	65
70	7.9	5.8	4.9	4.7	7.5	5.7	4.8	4.6	7.3	5.7	4.8	4.6	5.9	5.4	4.7	4.6	5.4	5.1	4.7		4.6	4.4	70
75	7.6	5.6	4.8	4.6	7.3	5.5	4.8	4.6	7.1	5.5	4.7	4.6	5.8	5.3	4.6	4.5	5.3	5.1	4.6	4.5	4.6	4.4	75
80	7.3	5.4	4.7	4.6	7.1	5.4	4.7	4.6	7	5.4	4.7	4.6	5.7	5.2	4.6	4.5	5.2	5	4.5	4.5	4.5	4.4	80
85	7	5.3	4.7	4.6	6.8	5.2	4.6	4.6	6.8	5.2	4.6	4.5	5.6	5.1	4.5	4.5	5.2	5	4.5	4.5	4.5	4.4	85
90	6.7	5.2	4.6	4.6	6.6	5.1	4.6	4.6	6.5	5.1	4.6	4.5	5.4	5	4.5	4.5	5.1	4.9	4.5	4.5	4.4	4.3	90
95	6.3	5	4.6	4.6	6.3	5	4.5	4.6	5.7	5	4.5	4.5	5.2	4.9	4.5	4.5	5	4.8	4.4	4.5	4.3	4.3	95
100	6	4.9	4.5	4.6	5.8	4.9	4.5	4.6	5.1	4.9	4.5	4.5	5.1	4.8	4.4	4.5	4.6	4.7	4.4	4.5	4.3	4.3	100
105	5.6	4.8	4.5	4.6	5.2	4.8	4.5	4.6	4.8	4.8	4.5	4.5	4.8	4.6	4.4	4.5	4.1	4.6	4.4	4.5	3.8	4.2	105
110	5.1	4.7	4.5	4.6	4.6	4.7	4.5	4.6	4.6	4.6	4.4	4.5	4.3	4.5	4.3	4.5	3.6	4.5	4.3	4.4	3.3	4.1	110
115	4.5	4.6	4.5	4.6	4	4.6	4.5	4.6	4.3	4.4	4.4	4.5	3.8	4.4	4.3	4.4	3.1	3.9	4.3	4.4	2.8	3.7	115
120	4	4.4	4.5	4.6	3.5	4.1	4.4	4.5	3.8	4.2	4.3	4.4	3.3	4	4.2	4.4	2.6	3.4	4	4.2	2.4	3.2	120
125	3.5	4	4.2	4.1	3	3.6	4	4	3.3	3.9	4.1	4.2	2.9	3.6	4	4.2	2.2	3	3.5	3.8	2	2.7	125
130	3.1	3.5	3.7	3.4	2.6	3.1	3.4	3.4	2.9	3.5	3.8	3.8	2.5	3.1	3.5	3.6	1.8	2.5	3	3.2	1.6	2.3	130
135	2.7	3	3.2	2.7	2.2	2.7	2.9	2.8	2.5	3	3.3	3.3	2.1	2.7	3	3.1	1.5	2.1	2.6	2.7		1.9	135
140	2.4	2.6	2.6		1.9	2.3	2.4	2.2	2.2	2.6	2.8	2.8	1.8	2.3	2.6	2.6		1.7	2.1	2.2		1.6	140
145	2.1	2.2	2		1.6	1.9	2	1.6	1.8	2.2	2.4	2.3	1.4	1.9	2.2	2.1		1.4	1.7	1.8			145
150	1.8	1.8				1.5	1.5		1.5	1.9	2	1.8		1.6	1.8	1.7			1.3	1.4			150
155										1.5	1.6				1.4								155

t_189_00264_00_000

Lifting heights
Hauteurs de levage



Lifting capacities on the erection jib
Forces de levage à la fléchette de montage

ft	36 ft 10 ft				48 ft 10 ft				60 ft 10 ft				72 ft 10 ft				83 ft 10 ft				95 ft 10 ft				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		68.9	56.9	48.5			59.7	49.9			60.5	50.3			59.9										10
11		67.8	55.5	47.6		70.5	58.5	49.2			59.4	49.7			59.1										11
12		66.7	54.4	46.8		70	57.3	48.5			58.4	49.1			58.3	49.1			54.1						12
13		65.6	53.2	46		69	56.2	47.8			57.5	48.5			57.5	48.7			53.6						13
14		64.5	52.1	45.4		68.1	55.1	47.2		70.5	56.6	47.9			56.8	48.3			53.1	46.8			39.3		14
15		63	51	44.7		67.1	54.3	46.6		70.3	55.7	47.4			56	47.9			52.6	46.4			47.5		15
16		61.5	49.9	44		66.2	53.4	46		69.6	54.8	46.9			55.4	47.6			52.1	46			46.8	34.9	16
17		60	49	43.4		65.3	52.5	45.5		68.4	53.9	46.4		67.1	54.7	47.2			51.6	45.7			46.2	42.4	17
18		58.5	48.2	42.9		64.2	51.6	44.9		67.2	53.2	45.9		66.4	54	46.8			51	45.3			45.5	41.7	18
19		57	47.4	42.4		63.1	50.7	44.4		66.1	52.5	45.4		65.7	53.3	46.3			50.4	45			44.8	41	19
20	66.3	55.5	46.6	42		61.9	49.9	43.9		64.6	51.8	45		64.5	52.7	45.9		54.2	49.8	44.6			44.1	40.3	20
22	60.9	52.8	44.9	41		59.5	48.5	43		61	50.4	44.2		61.3	51.4	45.1		52.4	48.4	44			42.8	38.9	22
24	55.8	50.7	43.6	40.3		56.2	47.2	42.3		56.7	49.1	43.4		56.4	50.4	44.4		50.5	47.1	43.4		45.2	41.4	37.8	24
26	51.1	48.7	42.5	39.8		51.8	45.9	41.6		51.9	47.9	42.7		51.5	49.1	43.8		48.3	45.7	42.9		44.2	40	36.7	26
28	47	46.7	41.5	39.4	47.1	47.6	44.6	40.8		47.7	46.9	42.2		47.4	47.8	43.2		44.8	43.9	42		43.2	38.6	35.6	28
30	43.4	43.8	40.6	39.3	43.5	44	43.4	40.3		44.1	44.4	41.6		43.7	44.4	42.3		40.7	41.6	40.5		40.5	37.2	34.6	30
32	39.9	40.3	39.8	39.3	40.1	40.5	41	40		40.6	41.1	40.5		40.2	40.9	41		38.8	38	38.5		37.2	36.2	33.6	32
34	36.8	37.1	37.4	37.5	37	37.3	37.7	38	36.9	37.4	37.9	38.2		36.9	37.6	38.1		36.5	34.9	35.5		34.3	34.9	32.8	34
36	34	34.3	34.6	34.5	34.1	34.6	34.9	35.1	34.1	34.7	35	35.4		34	34.7	35.2		33.7	32.6	32.8		31.8	32.3	31.7	36
38	31.2	31.4	31.6	31.4	31.3	31.8	32.1	32.3	31.6	31.8	32.2	32.6		32.3	32	32.4		31.4	31.6	30.3		29.4	30	30.2	38
40					28.7	29.2	29.5	29.7	29.6	29.2	29.6	29.9	29.5	30	29.4	29.7		29.2	29.7	29.4		27.4	27.9	28.4	40
45					23.7	24	24.1	24.1	24.5	24.8	24.4	24.5	24.3	24.7	25.1	25.4		24.4	24.7	25		23.1	23.6	23.9	45
50					20.3	20.1	20.2	20.4	20.6	20.9	21.1	21.2	20.6	20.8	21.1	21.3	20.3	20.4	20.7	21		20.3	20.1	20.4	50
55									17.7	17.9	18	18.1	17.5	17.8	18	18.2	17.6	17.5	17.6	17.8	17.4	17.7	17.8	17.5	55
60									15.3	15.5	15.6	15.5	15.2	15.4	15.6	15.7	15.2	15.5	15.5	15.6	15.2	15.3	15.5	15.6	60
65													13.5	13.4	13.5	13.6	13.3	13.5	13.6	13.7	13.3	13.5	13.7	13.8	65
70													12	12.1	12.2	12.1	12.1	12	11.9	12	11.7	11.9	12.1	12.2	70
75														10.8			10.7	10.9	10.9	11	10.3	10.5	10.7	10.7	75
80																	9.6	9.7	9.7	9.8	9.2	9.2	9.4	9.4	80
85																	8.6	8.7	8.7	8.6	8.2	8.3	8.4	8.4	85
90																					7.7	7.7	7.6	7.7	90
95																					6.9	7	7	7	95

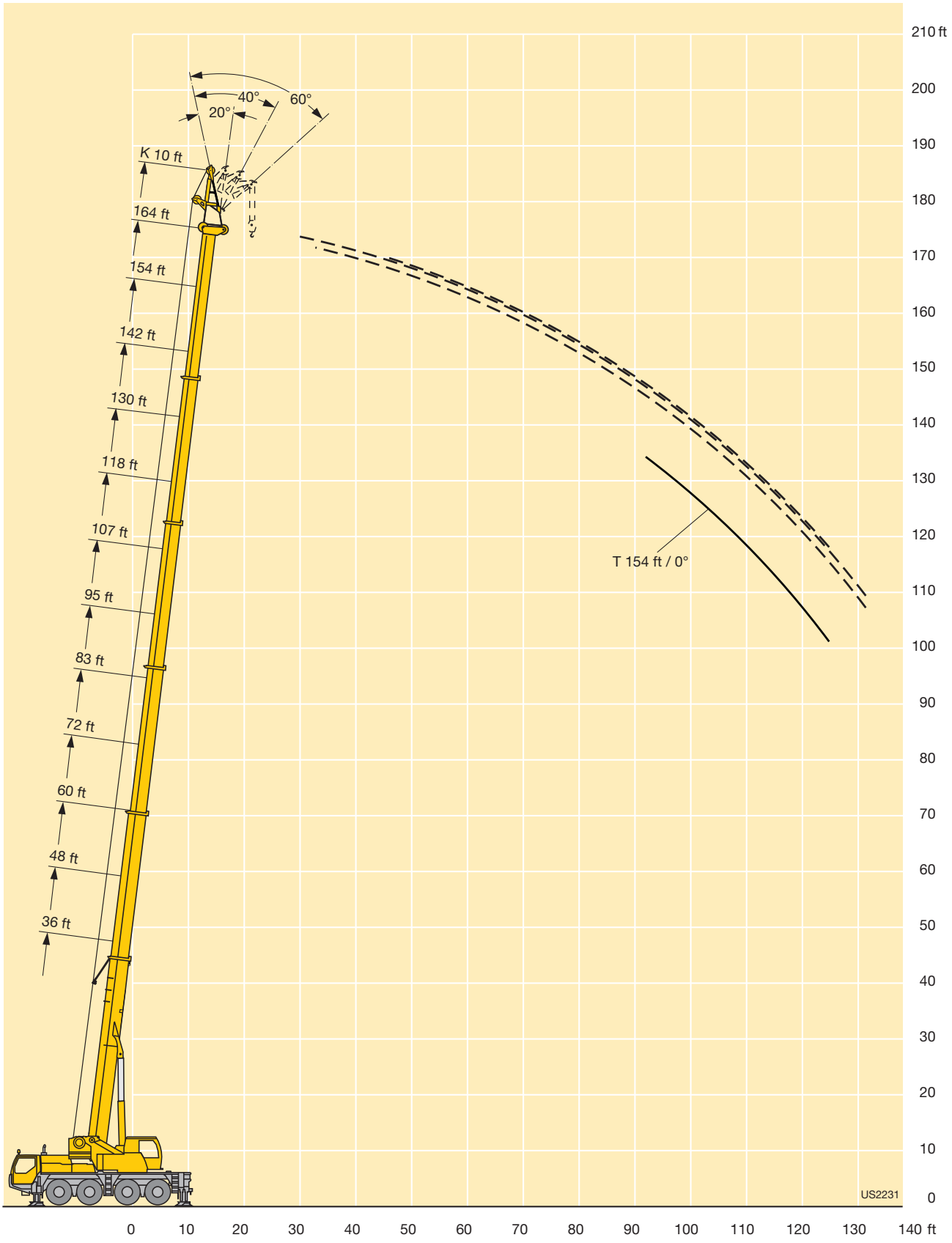
t_189_00272_00_000

Lifting capacities on the erection jib
Forces de levage à la fléchette de montage

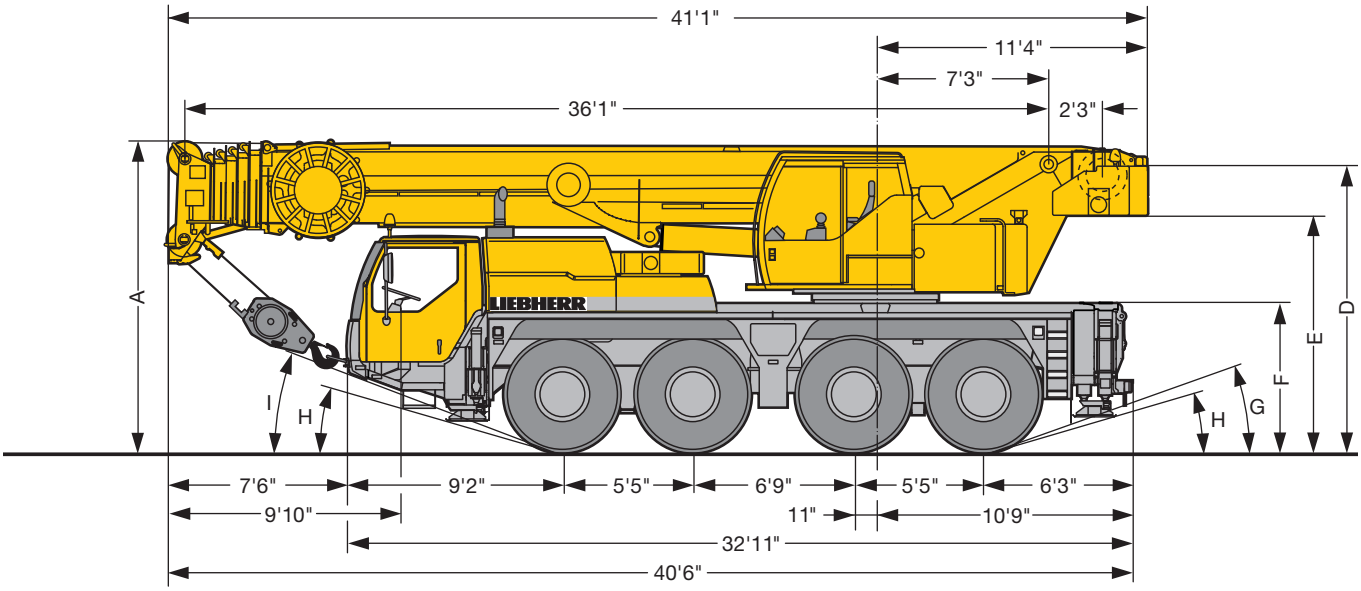
ft	107 ft 10 ft				118 ft 10 ft				130 ft 10 ft				142 ft 10 ft				154 ft 10 ft				164 ft 10 ft			ft
	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	0°	20°	40°	60°	20°	40°	60°	
17			38.5																					17
18			38.3																					18
19			38.2	31			23																	19
20			38.1	38.5			29.3																	20
22			37.8	37.7			28.7	27.8			23.4													22
24			37.5	36.8			28.1	27.1			23.2	19.9			18.5									24
26		35.6	36.5	35.9			27.4	26.4			22.9	22.8			18.4									26
28		34.5	35.2	34.8			26.8	25.7			22.6	22.4			18.2	18.5			14.3			10.7		28
30		33.5	33.9	33.6		27.6	26.2	25.1			22.3	22			18.1	18.3			14.2	14.4		10.6	10.8	30
32		32.4	32.5	32.4		26.9	25.5	24.5		22.4	21.9	21.6			17.9	18			14.1	14.2		10.6	10.8	32
34		31.2	31.2	31.2		26.3	24.8	23.9		22	21.5	21.1			17.7	17.8			14	14.1		10.6	10.7	34
36		29.7	29.9	30.1		25.7	24.2	23.3		21.6	21.1	20.7		17.4	17.4	17.5			13.9	14		10.6	10.7	36
38		27.5	28.1	28.6		25	23.5	22.7		21.2	20.6	20.2		17	17.1	17.2		13.8	13.8	13.8		10.5	10.6	38
40		25.6	26.2	26.6		24.2	22.9	22.1		20.8	20.2	19.8		16.7	16.7	16.8		13.5	13.6	13.6		10.5	10.6	40
45		22.6	22	22.4		21.4	21.5	20.8		19.6	19	18.7		15.9	15.8	15.9		12.9	12.8	12.9	10.2	10.2	10.3	45
50		19.6	19.8	19.5		18.8	18.6	18.9		17.8	17.8	17.6		15	14.9	14.9		12.3	12.1	12.1	10	9.9	10	50
55		17.3	17.3	17.6		16.5	16.8	16.8		15.5	15.8	16		14.1	14	13.9		11.7	11.4	11.4	9.8	9.6	9.6	55
60	14.8	15.1	15.3	15.4		14.4	14.7	14.9		13.5	13.7	13.9		12.9	13	13		11.1	10.9	10.8	9.4	9.3	9.3	60
65	13	13.1	13.3	13.4		12.6	12.8	13		12.5	12.4	12.5		11.4	11.7	11.9		10.5	10.4	10.3	9	8.9	8.9	65
70	11.6	11.8	11.8	11.7	11.3	11	11.3	11.4		11.1	11.3	11.3		10	10.2	10.4		9.8	9.8	9.8	8.6	8.5	8.5	70
75	10.3	10.5	10.6	10.7	10.1	10.3	10.3	10.2	9.6	9.8	10	10.2		9.5	9.4	9.3		8.7	8.9	9.1	8.2	8.2	8.2	75
80	9.2	9.3	9.4	9.4	8.8	9	9.2	9.3	8.5	8.6	8.8	8.9		8.5	8.7	8.8		7.6	7.8	8	7.5	7.7	7.8	80
85	8.2	8.4	8.4	8.5	8.1	8	8.1	8.2	7.7	7.9	7.9	8	7.3	7.5	7.7	7.8		6.7	6.9	7	6.7	6.8	7	85
90	7.3	7.4	7.5	7.6	7.2	7.4	7.4	7.5	6.8	7	7.1	7.2	6.4	6.6	6.7	6.8	5.6	5.8	6	6.1	5.8	6	6.1	90
95	6.5	6.6	6.6	6.7	6.4	6.5	6.6	6.6	5.9	6.1	6.2	6.3	5.5	5.7	5.9	5.9	4.9	5.1	5.2	5.3	5	5.2	5.3	95
100	5.8	5.9	6	6	5.7	5.8	5.8	5.9	5.2	5.4	5.5	5.5	4.8	5	5.1	5.2	4.2	4.4	4.5	4.6	4.4	4.5	4.6	100
105	5.2	5.3	5.3	5.3	5	5.1	5.2	5.2	4.5	4.7	4.8	4.8	4.2	4.3	4.4	4.5	3.6	3.8	3.9	3.9	3.8	3.9	4	105
110	4.7	4.7	4.7		4.4	4.5	4.6	4.6	4	4.1	4.1	4.2	3.6	3.7	3.8	3.9	3	3.2	3.3	3.3	3.2	3.3	3.4	110
115					3.9	4	4	4	3.4	3.5	3.6	3.6	3	3.2	3.2	3.3	2.4	2.6	2.7	2.8	2.7	2.8	2.8	115
120					3.5	3.5	3.5	3.5	2.9	3	3.1	3.1	2.6	2.7	2.7	2.8	1.8	2	2.1	2.2	2.1	2.2	2.3	120
125									2.5	2.6	2.6	2.6	2.1	2.2	2.3	2.3						1.7	1.7	125
130									2.2	2.2	2.2	2.2		1.7	1.8	1.8								130

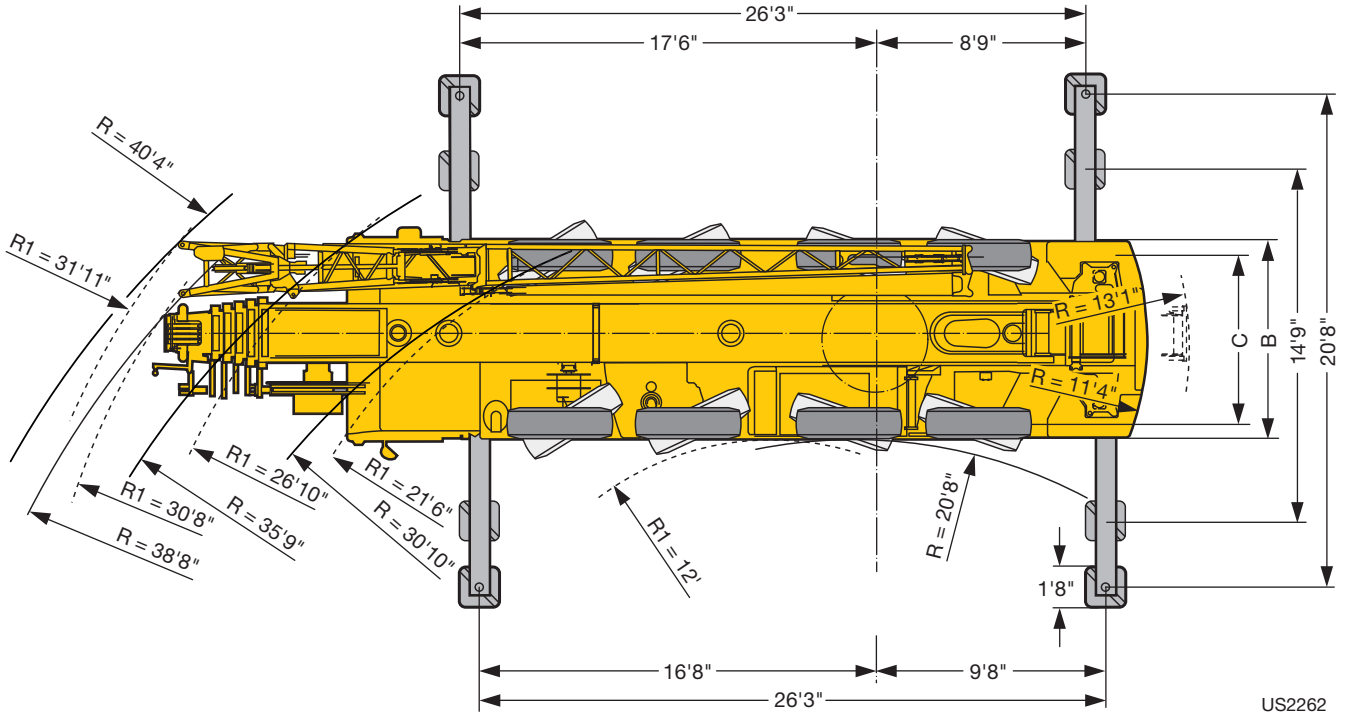
t_189_00272_00_000

Lifting heights
Hauteurs de levage



Dimensions
Encombrement





R_1 = All-wheel steering · Direction toutes roues

	Dimensions / Encombrement									
	A	A 0'4" *	B	C	D	E	F	G	H	I
16.00 R 25	13'	12'8"	8'4"	6'11"	11'11"	9'9"	6'2"	20°	16°	22°
20.5 R 25	13'	12'8"	8'10"	7'1"	11'11"	9'9"	6'2"	20°	16°	22°

* lowered · abaissé

Weights
Poids

Axle Essieu	1	2	3	4	Total weight Poids total
lbs	26400	26400	26400	26400	105600 [1]

[1] with 23600 lbs counterweight and folding jib · avec contrepoids 23600 lbs et fléchette pliante

Load (kips) Forces de levage (kips)	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
156.8	7	14	1100
130.8	5	11	1100
85.7	3	7	990
35.8	1	3	605
12.7	–	1	240

Working speeds
Vitesses

		1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
16.00 R 25 20.5 R 25	mph	1.5 – 3.9	5	6.5	8.4	10.6	13.7	18	23.1	29.7	38.2	48.5	50	1.6 – 4.2	5.5	35.2 %
		0.4 – 0.9	1.2	1.6	2.1	–	–	–	–	–	–	–	–	0.4 – 1	1.3	60 %

Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
1	0 – 410 ft/min single line ft/min au brin simple	0.7" / 656 ft	12600 lbs
2	0 – 410 ft/min single line ft/min au brin simple	0.7" / 656 ft	12600 lbs
360°	0 – 1.5 rpm		
	approx. 55 seconds to reach 83° boom angle env. 55 s jusqu'à 83°		
	approx. 310 seconds for boom extension from 36 ft – 164 ft env. 310 s pour passer de 36 ft – 164 ft		

Equipment
Equipement

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel engine, make Liebherr, type D936L A6, watercooled, 270 kW (367 HP) at 2000 rpm, max. torque 1254 lbs-ft at 1000 – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3a and EPA/CARB Tier 3. Fuel tank: 108 gallons.
Transmission	ZF 12-speed gear box with automatic control system AS-TRONIC. Two-stage transfer case with lockable transfer differential.
Axles	Welded design, made of high-tensile fine grained steel. All axles steerable. Axles 3 and 4 are planetary axles with differential locks.
Suspension	All axles are mounted on hydropneumatic suspension and are lockable hydraulically.
Tyres	8 tyres, size: 16.00 R 25.
Steering	ZF-servocom power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit. 1. and 2. axle mechanically, 3. and 4. axle hydromechanically speed regulated steered. Steering acc. to EC directive 70/311/EEC.
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, 2 and 4. Sustained-action brake: Exhaust retarder with additional Liebherr braking system. Anti-lock device in conjunction with anti-skid control. Brakes acc. to EC directive 71/320/EEC.
Driver's cab	Spacious, steel made, corrosion resistant cab, cataphoretic dip-primed, on resilient suspension with hydraulic shock absorbers, sound and heat absorbing internal panelling acc. to EC directive, safety glazing, operating and control instruments, comfortably equipped.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each, lighting according to traffic regulations.

Crane superstructure

Frame	Self-manufactured, cataphoretic dip-primed weight-optimized and torsion resistant welded design of high-tensile structural steel; linked by a triple-row roller slewing ring to the carrier for continuous rotation.
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.
Crane control	Electrical control of drives by self-centering joysticks, armrest-integrated control elements, Liebherr system bus (LSB).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake. Hoist gear is driven through a controlled open oil circuit.
Luffing gear	1 differential ram with safety check valves.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear invertible from released to locked as a standard feature.
Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Safety devices	LICCON2 safe load indicator, test system hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	Buckling and torsion resistant design of high-tensile structural steel, oviform boom profile, 1 base section and 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system "Telematik". Boom length: 36 ft – 164 ft.
Counterweight	23600 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC.

Additional equipment

Swing-away jib	31 ft – 52 ft long, mountable to the telescopic boom at 0°, 20°, 40° or 60°. Hydraulic ram for operating the swing-away jib from 0° – 60° (option).
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	8400 lbs for a total counterweight of 32000 lbs.
Tyres	8 tyres, size 20.5 R 25.
Drive 8 x 6	Additional drive of the 1st axle.

Other items of equipment available on request.

Equipment
Equipement

Châssis porteur

Cadre	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.
Moteur	Diesel, 6 cylinders, marque Liebherr, type D936L A6, refroidi par eau, puissance 270 kW (367 ch) à 2000 rpm, couple max. 1254 lbs-ft à 1000 – 1500 rpm. Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3a et EPA/CARB Tier 3. Réservoir à carburant: 108 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande AS-TRONIC. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Construction soudée en acier à haute résistance fins grains. Tous les essieux directeurs. Essieux 3 et 4 planétaires avec blocage différentiel.
Suspension	Suspension hydropneumatique sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	8 pneus de taille: 16.00 R 25.
Direction	Direction hydraulique ZF-servocom, à deux circuits, assistée hydrauliquement, avec pompe auxiliaire entraînée par essieu. 1er et 2ème essieu dirigés mécaniquement en fonction de la vitesse, 3ème et 4ème essieu dirigés électrohydrauliquement en fonction de la vitesse. Direction conforme aux directives européennes 70/311/EWG.
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 1,2 et 4. Frein à régime continu: Ralentisseur sur échappement avec système de freinage additionnel Liebherr. Dispositif anti-enrayeur avec contrôle antipatinage. Freins selons directive CE 71/320/EWG.
Cabine du conducteur	Cabine spacieuse en tôle d'acier, traitement anticorrosion par bain de cataphorèse, avec suspension élastique et amortisseurs hydrauliques, revêtement intérieur avec isolation phonique et thermique selon les directives européennes, glaces de sécurité, appareils de commande et de contrôle, équipement confortable.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune, éclairage conforme au code de la route.

Partie tournante

Cadre	Construction soudée résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide. Couronne d'orientation à rouleaux à 3 rangées permettant une rotation illimitée sert de pièce de liaison avec le châssis de la grue.
Entraînement de la grue	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 practicables.
Commande	Commande électrique des mécanismes par leviers de manoeuvre à centrage automatique, commandes de grue «grand confort» intégrées aux accoudoirs du siège, Liebherr système bus.
Mécanisme de levage	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort. L'entraînement du treuil de levage s'effectue en circuit régulé et fermé.
Mécanisme de relevage	1 vérin différentiel avec soupapes de retenu.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort. Orientation de série commutable en circuit hydraulique ouvert ou fermé (freinage automatique ou au pied).
Cabine du grutier	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuisson au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable, cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge «LICCON2», système test limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	Flèche télescopique en acier à haute résistance à grains fins, à profil ovale, 1 élément de base et 5 éléments télescopiques. Tous les éléments télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide «Telematik». Longueur de flèche: 36 ft – 164 ft.
Contrepoids	Contrepoids principal de 23600 lbs.
Installation électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts.

Equipement supplémentaire

Fléchette pliante	Longueur: 31 ft – 52 ft, montable sous un angle de 0°, 20°, 40° ou 60°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 60° (en option).
2ème mécanisme de levage	Pour l'utilisation du deuxième crochet, ou bien pour une utilisation avec fléchette pliante lorsque le câble de levage principal rest mouflé.
Contrepoids supplémentaire	8400 lbs pour un contrepoids total de 32000 lbs.
Pneumatiques	8 pneus. Taille: 20.5 R 25.
Entraînement 8 x 6	Essieu 1 est entraîné additionnellement.

Autres équipements supplémentaires sur demande.

Remarks referring to load charts

1. The tabulated lifting capacities do not exceed 85% of the tipping load.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
3. The 85% overturning limit values take into account wind force 5 = wind speed 20 mph.
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 centreline.
7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
8. Subject to modification of lifting capacities.
9. Lifting capacities above 117900 lbs only with additional pulley block.

Remarques relatives aux tableaux des charges

1. Les forces de levage indiquées ne dépassent pas 85% de la charge de basculement.
2. La norme DIN 15018, 3ème partie est appliquée pour les charpentes. La construction de la grue est réalisée conformément à la norme DIN 15018, 2ème partie, et aux règles de la F. E. M.
3. A 85% de la charge de basculement, il a été tenu compte d'un vent de force 5 = vitesse de vent 20 mph.
4. Les forces de levage sont données en kips.
5. Les poids des moufles et crochets doit être soustrait des charges indiquées.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliable déposée.
8. Charges données sous réserve de modification.
9. Les charges supérieures à 117900 lbs ne peuvent être levées qu'avec poulie supplémentaire.

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

Bigge Crane and Rigging Co.
10700 Bigge Avenue
San Leandro, CA 94577
Phone: (888) 337-BIGGE or (510) 638-8100
Fax: (510) 639-4053
Email: info@bigge.com
Web site: www.bigge.com

TD 189.01.US11.2008