

Mobile crane Product advantages

LTM 1100-4.1

Max. lifting capacity: 100 t

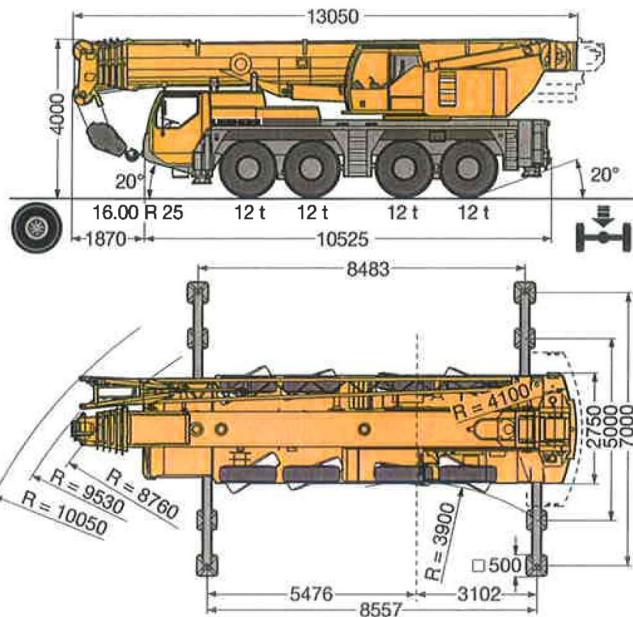
Max. height under hook: 84 m with biparted swing-away jib

Max. radius: 58 m with biparted swing-away jib



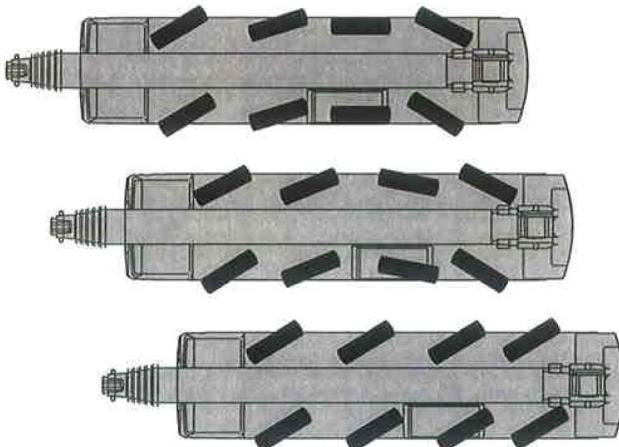
MAXIM
Crane Works, L.P.
1-877-MAX-LIFT

LIEBHERR



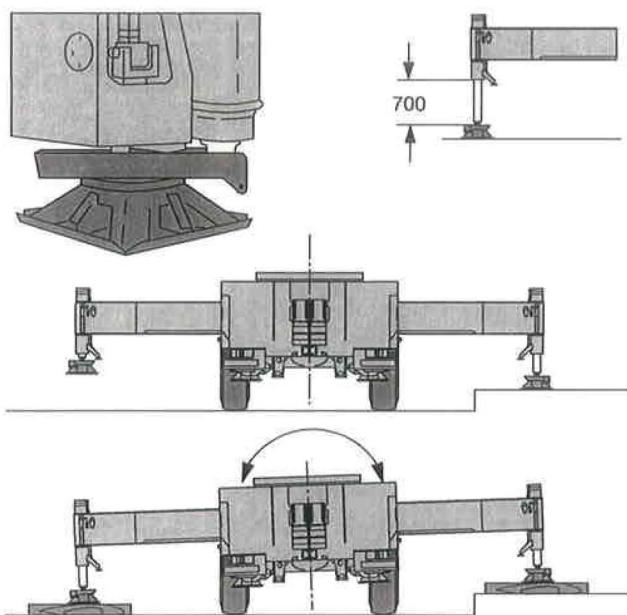
Compact, manoeuvrable and weight-optimized

- Overall length 13.05 m, carrier length 10.5 m
- Large overhang angles of up to 20°
- The smallest turning radius of 8.76 m with all-wheel steering
- Tail ballast radius of just 4.26 m
- 48 t total weight, incl. 0.8 t ballast, biparted swing-away jib, drive 8 x 8, tyre equipment size 16, 59 t hook block, Telma eddy current brake, (axle load 4 x 12 t)
- 3 tyre sizes optional
 - 14.00 R 25 carrier width 2.75 m
 - 16.00 R 25 carrier width 2.75 m
 - 20.50 R 25 carrier width 2.98 m



Variable drive and steering concept

- Drive 8 x 6, axles 2 and 4 driven, 3rd axle activatable for off-road travel
- Drive 8 x 8 (optional), axles 1, 2, 3 and 4 driven, for road travel 2nd and 4th axle driven, 1st and 3rd axle are activatable for off-road displacement
- Axles 1, 2, 3 and 4 steered, 3rd and 4th axle also steerable independent of axles 1 and 2 (for crab steering/diagonal displacement); all steering versions can equally be controlled from the crane cab
- Speed dependent active rear-axle steering (standard equipment), the 4th axle is steered electrohydraulically and speed-dependent, and is locked for straight travel from approx. 25 km/h onwards
- No distortion of the rear-axle tandem
- Smaller turning radius at road travel



Setting crane on outriggers – quick, convenient and safe

- Variable supporting basis
 - Outriggers retracted
 - Supporting basis 5 m x 8.55 m
 - Supporting basis 7 m x 8.55 m
- Fix-mounted supporting pads, protected by splash guards
- Supporting ram travel of up to 700 mm
- Levelling control of outrigger system; fully automatic levelling of the crane during the supporting procedure by "pushbutton"
- 2 x 9° lateral inclination of carrier and crane superstructure
- The control panels at either side of the carrier, with membrane keyboard and electronic inclinometer as well as with pushbuttons for ENGINE/START/STOP und speed control are illuminated and lockable
- Control of the outrigger system can equally take place from the crane cab (standard equipment)
- Operation of the outrigger system in accordance with the rules for the prevention of accidents
- Supporting area illuminated by 4 integrated projectors

Crane cabin of modern design

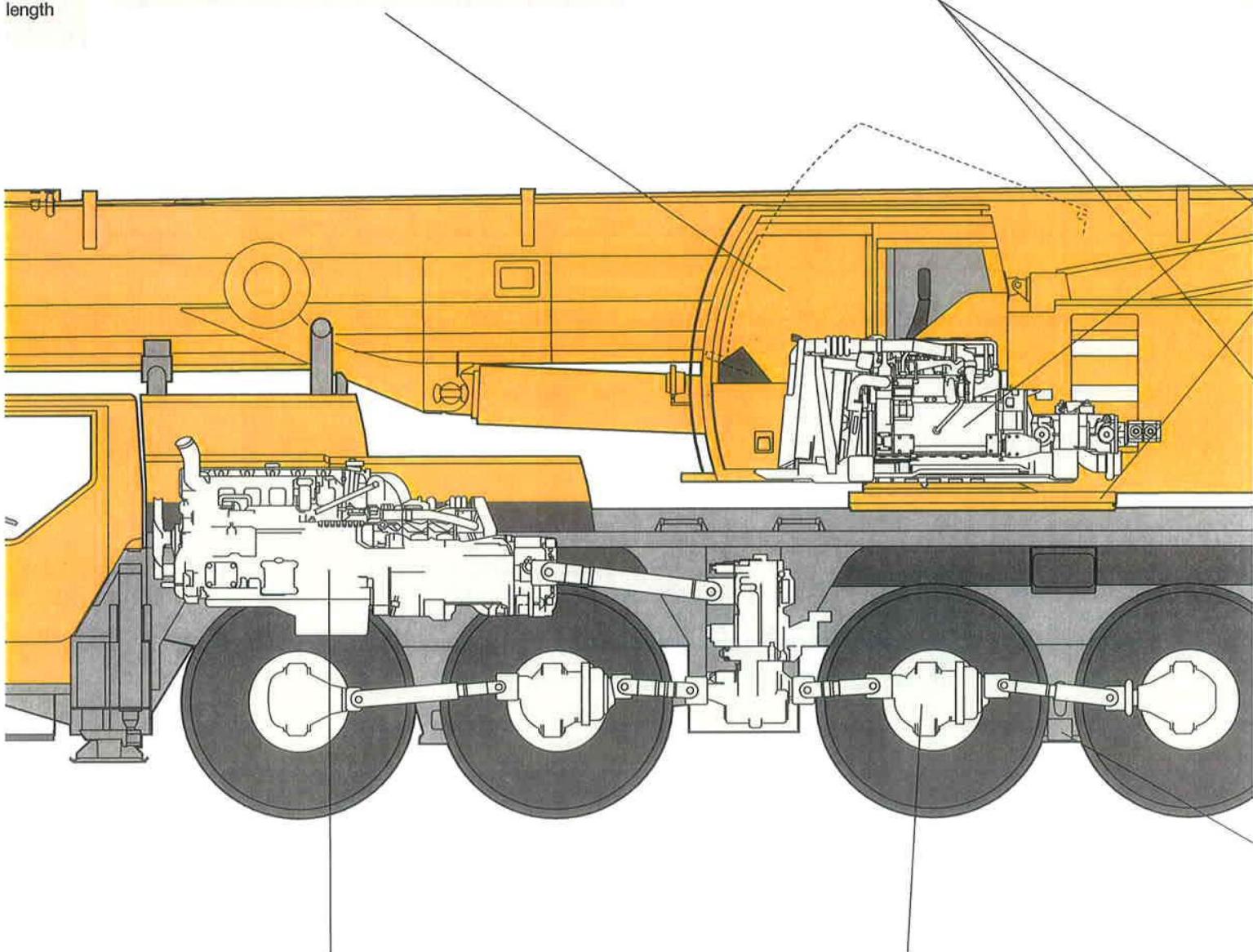
- Steel-fabricated, corrosion resistant crane cab, powder-coated, with internal sound and heat absorbing panelling, modern interior design, tinted window screens all-round, front knockout window with large windscreen wiper and washer, skylight with bullet-proof glass and large parallel windscreen wiper, roller blinds on front window and skylight, space-saving sliding door
- Pneumatic-operated footboard for safe access to the carrier
- Crane cab tiltable backwards by 20°
- Travel control and outrigger actuation from the crane cab, a standard feature

le slide

length

Weight-optimized steel structure

- Steel structure of the carrier, superstructure and telescopic boom in light-gauge design, weight-optimized by the F.E.M method, outstanding torsional rigidity
- Tensile property of the material with high safety factors through the application of STE 960 (960 N/mm²) for all supporting members. Telescopic boom consisting partially of ultrahigh-tensile steel S 1100 (1100 N/mm²)
- Weldment joints of outstanding quality are performed by computer-aided welding machines
- The weld quality is documented by ultrasonic test



Modern and powerful carrier drive

- Carrier engine: 6-cylinder Liebherr turbo-charged Diesel engine type D846 A7 of 350 kW/476 hp, exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3, robust and reliable, electronic engine management
- Entire exhaust gas system of stainless steel
- ZF power shift gear with automated control system AS-TRONIC, 12 forward speeds, 2 reverse speeds, electronic gear management, retarder
- Max. driving speed 80 km/h, max. gradability 71 %
- Very efficient noise abatement of engine and gear compartment as standard feature

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Outstanding carrier technology for on-road and off-road displacement

- Weight-optimized axles, almost maintenance-free, made of high-tensile steel, perfect track keeping and lateral stability due to special control linkage arrangement
- The steering knuckles are mounted on steel-rubber bearings
- The perfected and robust axles are manufactured in large series and are troublefree components
- The cardan shafts are maintenance-free; easy and quick fitting of the cardan shafts due to 70° diagonal toothing and 4 fixing screws

Comfortable driving cabin of outstanding functionality

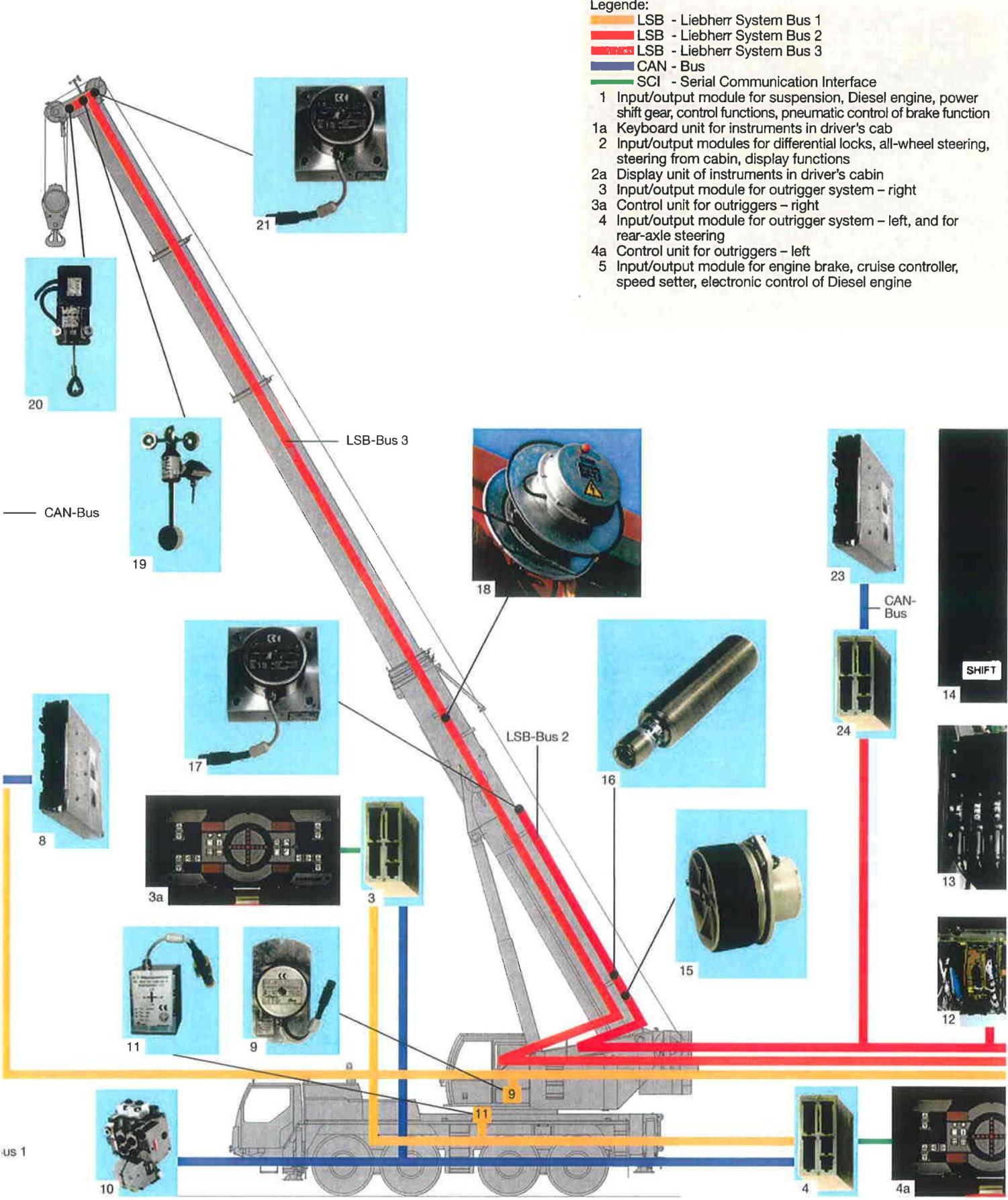
- Modern and comfortable driver's cab of high functionality and convincing design
- Ergonomically arranged operating and display elements for safe and convenient handling at continuous operation
- Digital display and keyboard units interconnected with the function blocks by data bus technique
- Air-cushioned driver's and co-driver's seats, headrests, driver's seat with pneumatic lumbar support
- Height and inclination adjustable steering wheel
- Heated and electrically adjustable rear mirrors
- Safety belts for driver and co-driver
- 3 automatic windscreens wipers/washers with intermittent control
- Delayed disconnection of interior lighting
- Various racks and boxes
- Radio preparation

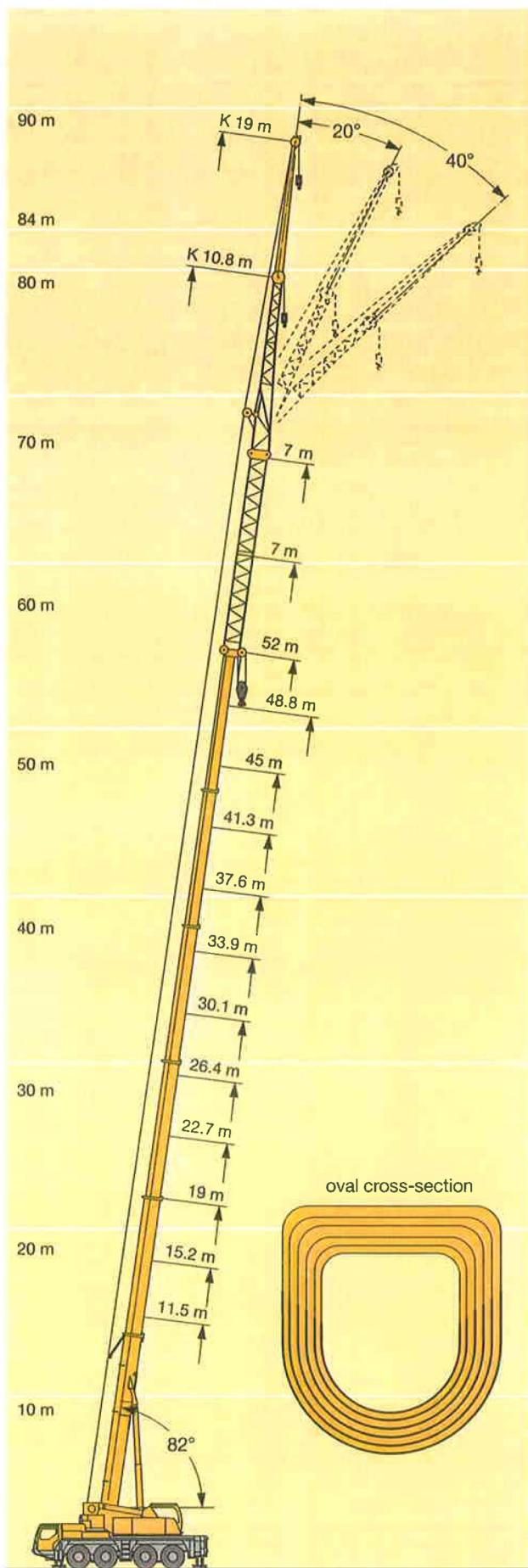


Comfortable crane cabin of outstanding functionality

- Crane operator's seat with pneumatic lumbar support and headrest
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable master switch consoles and armrests, individually adjustable operating consoles
- Ergonomic control levers with integrated winch rotation and slewing gear signalling device
- Modern supporting base with integrated LICCON monitor, display of all essential operating data on the LICCON screen
- Windscreens wiper/washer system for front window and skylight
- Various racks and boxes
- Radio preparation
- Crane cab tiltable backwards by 20°

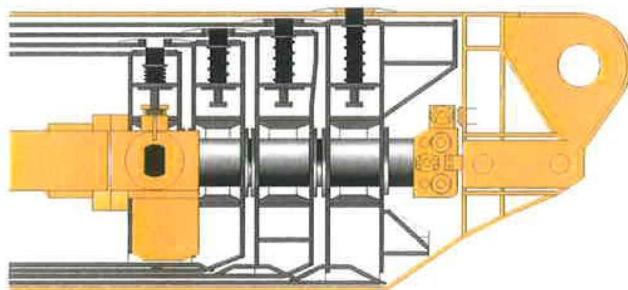






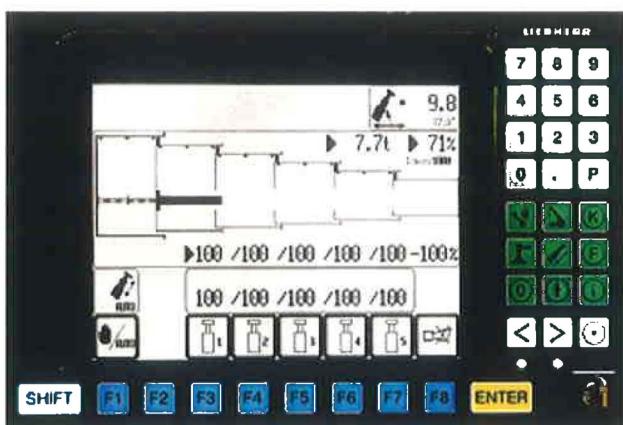
Lifting loads - precise and safe

- 6-section, 52 m long telescopic boom and biparted swing-away jib of 10.8 m – 19 m for 72 m height under hook and 58 m radius
- Two intermediate sections of 7 m each for the boom extension for operation with swing-way jib, max. height under hook 84 m
- Telescopic boom with rounded, oviform bottom shell, thus maximum lateral stability
- Optimal utilization of the telescopic boom through a multitude of telescoping variants
- Swing-away jib mountable at 0°, 20° and 40°, hydraulic fitting aid, hydraulic ram for stepless variation of the luffing jib from 0° – 40° (optional)
- Luffing under load (interpolation of the loads)
- Easy and quick re-reeving of the hoist rope due to self-locking rope dead end connection
- Load hook with self-locking rope dead end connection, cylindrically shaped hook for easy displacement by rolling on hard surface



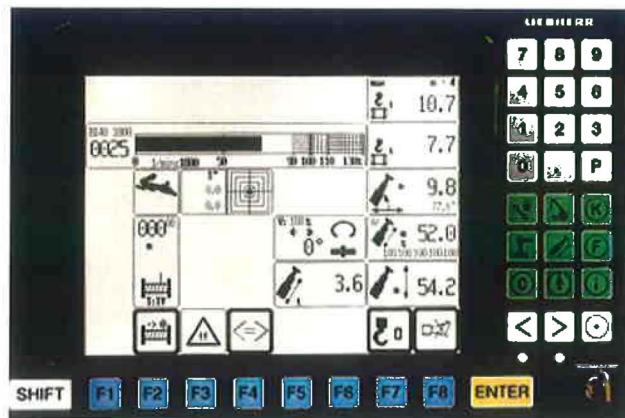
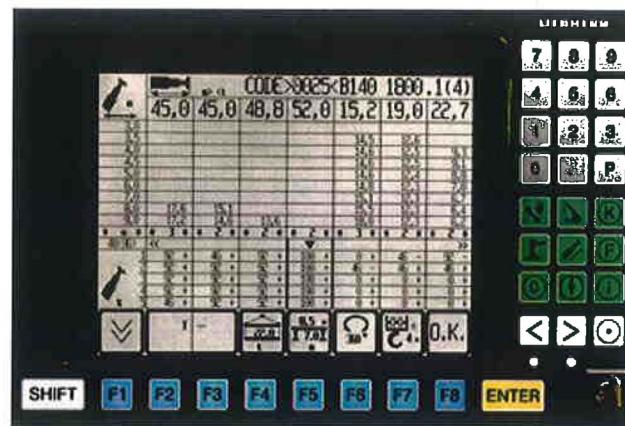
LICCON-assisted telescoping system

- Telescoping by single-stage hydraulic ram with hydraulic driving tenons (patented internal interlocking system)
- Telescoping procedure controllable by convenient operator's guide on the monitor, precise approach of interlocking positions
- Telescopic loads are displayed on the LICCON operating image
- Rapid-cycle telescoping system with "automatic mode", i.e. fully automatic telescoping of the boom to the desired length
- Particularly compact and light-weight telescoping system, thus increased lifting capacities specially with long booms at large radii
- Automatic cushioning in end positions during telescoping and retracting for the preservation of the structural members



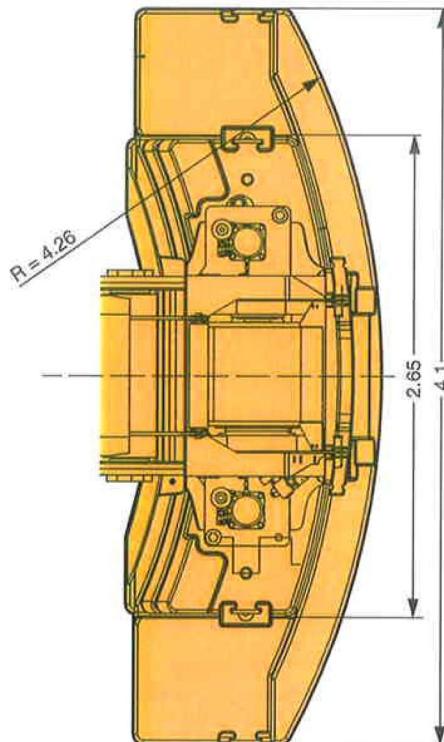
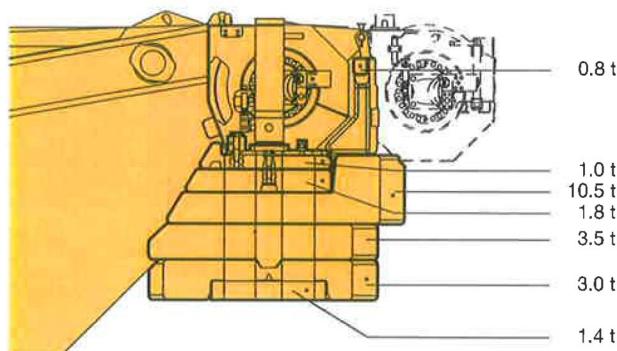
LICCON computer system with safe load indicator and test system

- Setting of crane configuration by convenient interactive functions
- Safe and reliable acknowledgement of the crane configuration set
- Representation of all essential data by graphic symbols on the operating image
- Integrated wind speed control (optional)
- Reliable cut-off device in the event of exceeding the permissible load moments
- Indication of safe working loads for any intermediate boom length
- Winch indications for ultra-precise lifting and lowering of the load
- Test system for servicing, providing the facility of checking all sensors within the system on the monitor
- The service and diagnostic system LiSSy (optional) enables the data base assisted administration of the errors programmed in the crane control, including error text, description and cause of error as well as the measures to be taken for the elimination of the error
- The system enables a remote diagnostic analysis due to the rapid online access to the service documentation such as the electric circuit diagram and workshop manual



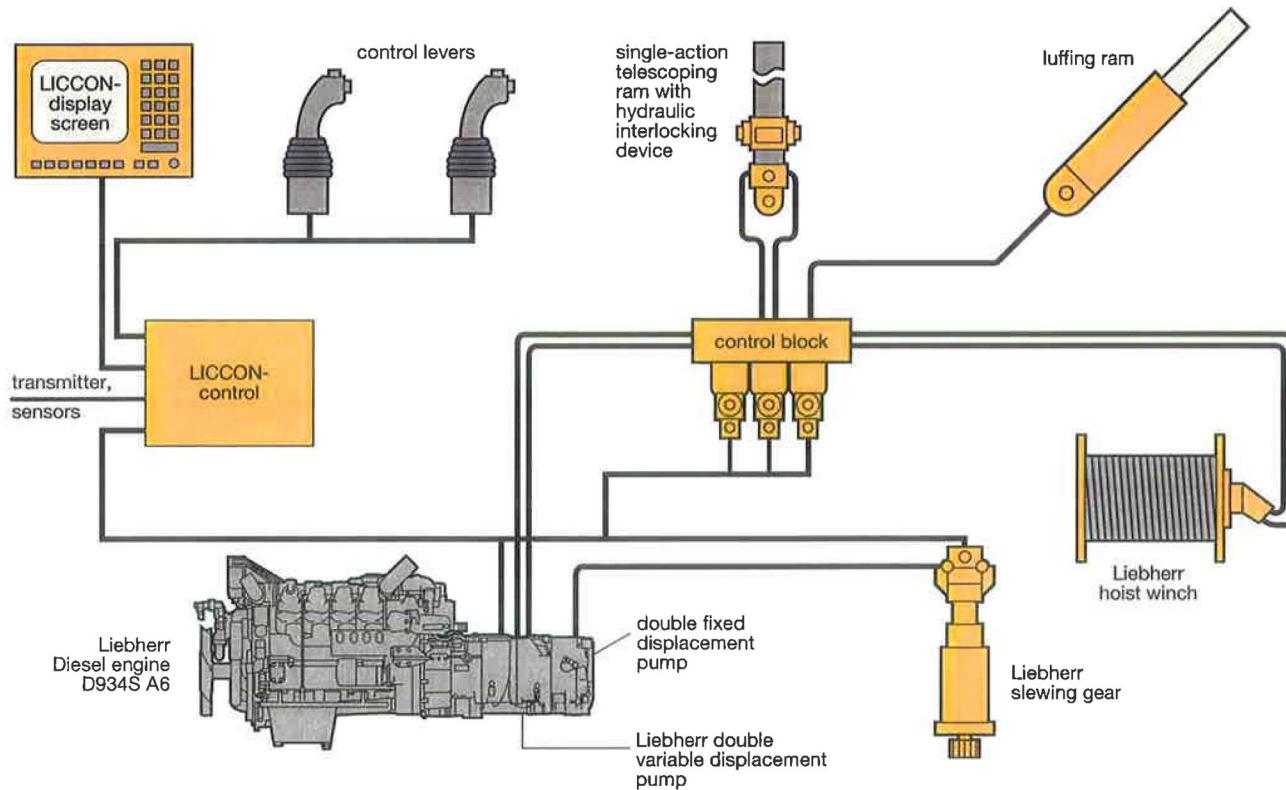
Mounting of counterweight – just a matter of minutes

- Counterweight variants of 22 t, 11.5 t, 8 t, 6.2 t, 5.2 t, 2.2 t and 0.8 t
- Ballasting controlled from the crane cabin
- Quick ballasting due to a new "keyhole" system
- Compact counterweight dimensions, e.g. 11.5 t counterweight of 2.73 m width only
- Hoist gear 2 (optional) mountable by counterweight lifting device



Electric/electronic PLC crane control and test system

- Control of the winches, slewing gear as well as luffing and telescoping motions by the LICCON computer system (PLC control)
- Summated displacement control, i.e. both pumps can be switched to one single consumer
- Electric load sensing, open oil circuits with displacement control
- Four working motions can be performed independent of one another
- High-speed activation even during a working motion
- Speeds of hoisting/lowering, luffing and slewing preselectable by 6 steps
- Extremely short response times when initiating crane motions
- Functional test of all essential components by the LICCON test system



Optional features extend the application spectrum and increase comfort and safety

On the carrier

- Additional heater with engine pre-heating
- Eddy-current-brake
- Supporting pressure indication on carrier and in crane operator's cabin
- Rope box
- Air-conditioning system
- Trailer coupling D12/D19
- Radio preparation
- Seat heating for driver's and co-driver's seat
- CD radio set

On the crane superstructure

- Additional heater with engine pre-heating
- 2nd hoist gear
- Air-conditioning system
- Seat heating
- Work area limitation
- Aircraft warning light
- XENON working projector on base section, electrically adjustable
- Twist absorber
- Remote diagnostic by GSM module
- CD radio set
- Emergency actuation

Further optional features by request.

Subject to modifications.

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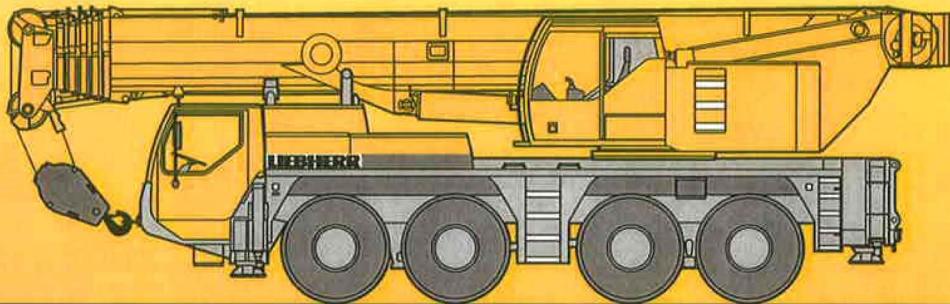
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Mobile Crane

Grue mobile

LTM 1100-4.1

Technical Data
Caractéristiques techniques



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

	38 - 171 ft	38 ft	50 ft	62 ft	74 ft	87 ft	99 ft	111 ft	123 ft	135 ft	148 ft	160 ft	171 ft	
	360°	48500 lbs												85%
8	238													8
9	230	201												9
	217	199												10
	205	188												11
12	194	178	168	143										12
13	184	168	167	143										13
14	175	160	160	144	136	113								14
15	166	152	152	144	136	113								15
16	155	145	146	140	132	112	92.5							16
17	146	139	139	136	129	111	92							17
	138	132	133	131	125	109	90.5	73.5	61					18
	122	120	120	120	117	105	88	73	61					20
22	110	108	109	109	105	99	85.5	70.5	59.7	49.3				22
24	99	98	99.5	98.5	95.5	92	83	68	58.2	48.9				24
26	90	89	90.5	89.5	87.5	84.5	80	65	56.5	48	42.7			26
28		83	81.5	81.5	77.5	73.5	62.5	54.5	46.9	42.2	32.9			28
30			76	75	75.5	71.5	67.5	60	52.5	45.7	41.5	32.8		30
32			70	69.5	69.5	66	62.5	57.7	50.6	44.2	40.7	32.2	26	32
34			65	65	64.5	61.5	58	54.9	48.6	42.7	39.6	31.7	25.7	
36			61	61.5	60.5	57.3	54.4	51.8	46.7	41.3	38.4	31.1	25.3	
38			56.9	57.7	56	53.2	50.7	48.7	44.8	39.9	37.2	30.6	24.8	38
40				54.1	52.2	49.6	47.5	45.9	42.9	38.5	36.1	30.1	24.4	40
45				45.8	44.9	42.6	41.6	40.3	37.8	35.4	33.5	28.8	23.3	
50				39.2	39	37.1	37.1	35.4	33.2	32.2	30.5	27.6	22.3	
55					34	32.8	33	31.3	29.6	28.9	27.9	26.2	21.5	55
60						29.3	29.4	28.1	26.9	25.8	25.7	24.5	20.6	60
						25.8	26.3	25.4	24.4	24	23.3	21.8	19.7	
						22.9	23.5	23.3	22.1	21.9	21	19.6	18.6	
75							21	21.3	20.3	19.9	19	17.7	17.2	75
80							19.2	19.2	18.8	18.1	17.2	15.9	15.7	80
							18	17.2	16.9	16.2	15.5	14.4	14.2	85
							15.8	15.4	14.6	13.9	12.9	12.7	90	
95								14.5	13.9	13.2	12.5	11.6	11.5	95
100									12.7	12	11.4	10.5	10.4	100
105										11.7	11	10.4	9.5	9.4
110										10.9	10.1	9.5	8.6	8.5
115											9.3	8.7	7.8	7.7
120											8.6	8	7.1	7
125												7.3	6.4	6.3
130												6.7	5.8	5.7
135												6.1	5.2	5.1
140												4.6	4.6	140
145												4	145	
150												3.5	150	
155												2.9	155	

* over rear / en arrière

TAB 140190 / 140437

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

	38 - 171 ft	360°	25400 lbs	85%	38 ft	50 ft	62 ft	74 ft	87 ft	99 ft	111 ft	123 ft	135 ft	148 ft	160 ft	171 ft	
					ft	ft	ft	ft	ft	ft	ft						
9	197																9
10	195																10
	184	168															
	174	167	143														
13	165	164	143														13
14	156	156	144	136	113												14
	147	147	143	134	113												
	139	139	136	124	112	92.5											
17	131	131	127	117	108	91.5											17
18	123	124	118	110	103	89.5	73.5	61									18
	108	109	100	98	91.5	84.5	72.5	61									
	96.5	95.5	90.5	86.5	81	75.5	68.5	59.7	49.3								
24	86.5	84	81.5	77	72	67.5	63.5	57.2	48.9								24
26	77.5	75	72.5	69	65	61	57.7	53.7	48								26
	68	65.5	62.5	59	56.4	53.7	50.1	46.1	42.2	32.9							
30	61.5	59.6	57	53.8	52.1	50	46.7	44	41.2	32.8							30
32	56.2	54.6	52.3	49.8	48.8	46.1	43.4	41.6	39.1	32.2	26						32
34	51.7	50.5	48.4	46.3	45.6	43	40.6	39.1	37.1	31.7	25.7						34
36	47.5	47	45.1	43.1	42.6	40.4	38.2	36.6	35.2	31.1	25.3						36
38	43.4	43.5	41.7	39.9	39.5	37.8	35.8	34	33.3	30.6	24.8						38
40		40.3	38.8	37	36.8	35.4	33.6	31.8	31.4	29.7	24.4						40
45		34	34.3	31.5	31.5	31	29.9	28.4	27.1	25.4	23.3						45
		29	29.8	27.1	28	27.1	26.1	24.8	23.5	21.8	21						
			25.7	23.8	24.9	23.7	22.7	21.6	20.4	18.8	18.5						
60				21.6	21.9	20.8	19.9	18.9	17.8	16.3	16						60
65				19.2	19.2	18.4	17.6	16.6	15.6	14.2	14						65
					16.9	16.9	16.3	15.7	14.8	13.8	12.5	12.2					
						15	14.3	13.8	13	12.2	10.9	10.7					
70						13.3	12.6	12.1	11.5	10.8	9.6	9.4					70
80						11.9	11.3	10.8	10.2	9.5	8.4	8.2					80
85							10.2	9.7	9.1	8.4	7.3	7.2					85
90							9.2	8.7	8.1	7.4	6.4	6.2					90
95								7.9	7.2	6.6	5.5	5.4					95
100								7.1	6.4	5.8	4.8	4.6					100
105									6.4	5.7	5.1	4.1	4				105
110										5.1	4.5	3.5	3.3				110
115										4.4	3.9	2.9	2.8				115
120											3.3						120
125												2.7					125
130												2.2					130
135													2.2				135

TAB 140307

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

	38 - 171 ft				17600 lbs	85%							
ft	38 ft	50 ft	62 ft	74 ft	87 ft	99 ft	111 ft	123 ft	135 ft	148 ft	160 ft	171 ft	ft
9	178												9
10	176												10
11	167	152											11
12	157	151	130										12
13	148	147	130	124									13
14	140	140	129	121	103								14
15	132	131	126	115	102								15
16	123	123	117	106	97.5	84.5							16
17	115	116	109	99	93	82.5							17
18	108	109	101	94	88	79	66.5	55.6					18
20	94.5	95	86	84.5	78	72	65.5	55.4					20
22	84	83	78.5	75	69.5	64.5	59.9	53.6	44.8				22
24	73.5	73.5	71	66.5	62	58.2	55	50.8	44.3				24
26	63	66	63.5	59.8	55.9	52.5	50.9	47	43.4	38.9			26
28		58.5	57.5	54.5	51.2	49.1	46.8	43.3	41	37.6	29.9		28
30		51.6	52.1	49.6	47	46	43	39.9	38.3	35.9	29.8		30
32		46.2	47.4	45.5	43.2	42.4	40.2	37.6	35.5	33	29.3	23.6	32
34		41.9	43.3	42.2	40	39.4	37.6	35.4	33.2	31	28.3	23.4	34
36		38.3	39.7	39.4	37.2	36.7	35	33.3	31.4	29.5	27.1	23	36
38		34.7	36.1	36.6	34.3	34	32.4	31.3	29.6	28	25.9	22.6	38
40			32.9	33.9	31.8	31.6	30.2	29.3	27.9	26.5	24.5	22.1	40
45				27.1	28.4	26.7	27.6	26.5	25.3	23.9	22.5	20.8	45
50					22.7	23.9	23.5	24	23	21.9	20.7	19.4	17.8
55						20.3	20.5	20.8	20	19	17.9	16.7	15.2
60							17.6	17.8	17.5	16.6	15.6	14.5	13.1
65								15.3	15.5	15.2	14.6	13.6	11.3
70									13.4	13.6	13.2	12.7	11.9
75										12	11.5	11.1	10.5
80											10.6	10.2	9.8
85												9.4	8.6
90													7.9
95													
100													
105													
110													
115													
120													

TAB 140313

	38 - 171 ft				4900 lbs	85%							
ft	38 ft	50 ft	62 ft	74 ft	87 ft	99 ft	111 ft	123 ft	135 ft	148 ft	160 ft	171 ft	ft
9	176												9
10	174	151	129										10
12	154	150	128	114									12
14	134	131	117	105	94.5								14
16	116	108	97	92.5	85.5								16
18	99	93	85	81	74	67.5	56.5	52.6					18
21	77	73	70.5	65.5	60.5	56.1	52.9	48.9	41.8				21
24	60.5	60.5	58.1	54.6	51.1	49.5	45.7	42.8	39.7	33.2			24
27		50.5	49	46.2	43.3	42.2	39.7	36.7	34.1	32.5	27.6		27
30		41.9	41.7	41.4	37.1	36.4	35.2	33.5	31.3	29.5	27.1	23.1	30
33		35.1	36.4	36	32.2	33.1	31.4	29.6	27.8	25.9	23.8	23	33
36		30.3	31.8	32.1	29.5	29.8	28.2	26.6	24.9	23.2	21.2	20.5	36
39		25.5	27.1	28.2	27.1	26.4	24.9	23.5	22.1	20.6	18.7	18.1	39
45		20.9	22.1	22.1	21.5	20.2	19.1	17.9	16.6	14.9	14.5	14.5	45
51		16.5	17.7	17.9	17.8	16.7	15.7	14.6	13.5	12	11.6	51	
57			14.4	14.6	14.7	13.9	13	12.1	11	9.6	9.4	57	
63				12.1	12.2	11.6	10.9	10	9	7.7	7.5	63	
69				10	10.2	9.6	9.1	8.3	7.4	6.2	6	69	
75					8.6	8.1	7.7	6.9	6	4.8	4.6	75	
81					7.1	6.8	6.4	5.7	4.8			81	
87						5.6	5.3	4.6	3.8			87	
93						4.6	4.3	3.7				93	
99							3.5					99	
105							2.7					105	
111							2.1					111	

TAB 140316

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

	38 ft	50 ft	62 ft	
	38 - 62 ft	0°	48500 lbs	85%
9	55.6			9
10	55			10
11	51.5	51.9	53.2	11
12	48.2	50.4	51.6	12
13	45.2	47.4	48.6	13
14	42.6	44.8	46	14
	40.1	42.3	43.6	
	37.9	40.1	41.3	
17	35.9	38.1	39.3	17
18	34.1	36.3	37.5	18
20	30.5	32.7	34	20
22	27.6	29.8	31.1	22
24	25	27.2	28.5	24
26	22.7	24.9	26.1	26
28		22.9	24.1	28
30		21	22.3	30
32		19.4	20.6	32
34		18	19.2	34
36		16.7	17.9	36
38		15.4	16.6	38
40			15.5	40
45			13	45
50			11.1	50

0° = over rear / en arrière

tyre size / dimensions de pneumatiques: 16.00 R 25 / 20.5 R 25

TAB 140178

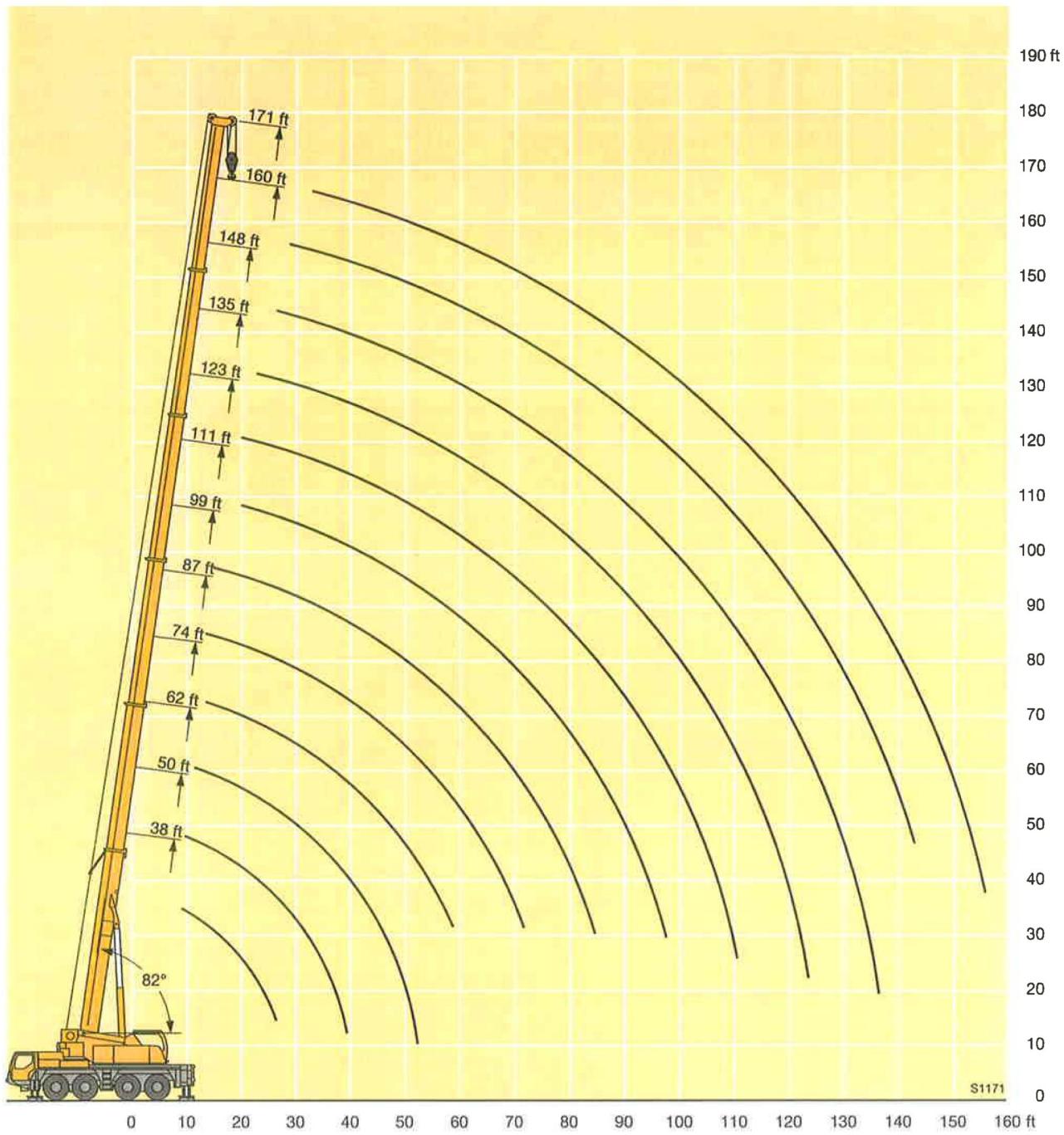
	38 ft	50 ft	62 ft	
	38 - 62 ft	0°	25400 lbs	85%
9	51.8			9
10	51.3			10
11	48	48.5	49.7	11
12	44.9	47	48.3	12
13	42	44.2	45.4	13
14	39.6	41.7	43	14
	37.2	39.4	40.6	
	35.1	37.3	38.5	
17	33.2	35.4	36.6	17
18	31.5	33.7	34.9	18
20	28.1	30.3	31.6	20
22	25	27.6	28.8	22
24	22	24.8	26.2	24
26	18.8	21.9	23.7	26
28		19.4	21.2	28
30		17.1	18.9	30
32		15.2	16.9	32
34		13.5	15.2	34
36		12.1	13.8	36
38		10.7	12.3	38
40			11	40
45			8.5	45
50			6.6	50

0° = over rear / en arrière

tyre size / dimensions de pneumatiques: 16.00 R 25 / 20.5 R 25

TAB 140179

Lifting heights Hauteurs de levage



Lifting capacities on the folding jib Forces de levage à la fléchette pliante

	38 ft			123 ft			135 ft			148 ft			160 ft			171 ft			
	35 ft	35 ft	40°	0°	35 ft	40°	0°	35 ft	20°	40°	0°	35 ft	20°	40°	0°	35 ft	20°	40°	ft
9	30.9																		9
10	30.8																		10
11	30.3																		11
12	29.9																		12
13	29.4																		13
14	28.8																		14
15	28.3																		15
16	27.7	26.9																	16
17	27.1	26.6																	17
18	26.6	26																	18
20	25.3	25																	20
22	24	23.9		33															22
24	22.7	22.9		32.7															24
26	21.5	21.9	20.9	32.2			29.3												26
28	20.3	21.1	20.2	31.7			29			23.3			18.9						28
30	19.2	20.2	19.5	31.2			28.6			23.2			18.8						30
32	18.3	19.5	18.8	30.8			28.3			22.9			18.5			15.2			32
34	17.4	18.7	18.2	30.4			28			22.5			18.2			15			34
36	16.7	18	17.7	29.9			27.7			22.2			17.9			14.8			36
38	15.9	17.3	17.1	29.5	25.6		27.4	24.5		21.9			17.6			14.5			38
40	15.1	16.5	16.6	29	25.5		27	24.4		21.6			17.3			14.2			40
45	13.6	14.7	15.5	27.7	24.3	21	26.1	23.5		20.8	19.4		16.8	16		13.6	12.9		45
50	12.2	13.2	14	26.4	23.2	20.3	24.9	22.7	19.7	20.1	18.8	17.9	16.2	15.4		13.1	12.5		50
55	11.2	11.9	12.9	25	22.1	19.5	23.5	21.8	19.4	19.3	18.1	17.5	15.6	14.8	14	12.6	12	11.5	55
60				23.4	21.1	18.8	22	20.9	18.7	18.5	17.4	16.8	15	14.3	14	12.1	11.6	11.4	60
65				21.4	20.2	18.1	19.9	20.1	18.1	17.8	16.7	16.2	14.4	13.7	13.5	11.7	11.2	11	65
70				19.3	19.4	17.6	18	18.9	17.6	17.1	16.1	15.6	13.9	13.3	13.1	11.2	10.8	10.6	70
75				17.4	18.2	17	16.6	17.2	17.1	15.8	15.5	15.1	13.4	12.8	12.7	10.8	10.4	10.3	75
80				15.6	16.7	16.5	15.5	15.6	16.3	14.2	14.8	14.6	12.9	12.4	12.3	10.5	10	9.9	80
85				14.1	15.1	15.8	14	14.6	14.7	12.8	13.8	14.1	12.5	12	11.9	10.1	9.7	9.6	85
90				12.8	13.7	14.4	12.7	13.5	13.9	12.2	12.4	13.1	11.5	11.7	11.6	9.7	9.4	9.3	90
95				11.8	12.4	13	11.8	12.3	12.9	11.5	11.6	12	10.4	11.1	11.3	9.4	9.1	9	95
100				11.1	11.3	11.7	11.2	11.3	11.8	10.5	11	11.1	9.4	10.2	10.8	8.9	8.8	8.7	100
105				10.6	10.5	10.6	10.5	10.7	10.7	9.6	10.3	10.8	8.5	9.2	9.9	8.2	8.5	8.5	105
110				10.1	10.1	10.1	9.6	10	10.3	8.7	9.4	9.9	7.6	8.3	8.9	7.3	8	8.3	110
115				9.5	9.7	9.8	8.7	9.2	9.6	7.9	8.5	9	6.9	7.5	8	6.6	7.3	7.7	115
120				8.7	9.1	9.3	8	8.4	8.7	7.2	7.8	8.2	6.1	6.8	7.2	5.9	6.5	7	120
125				8	8.3	8.5	7.3	7.7	7.9	6.6	7.1	7.4	5.5	6	6.5	5.2	5.8	6.3	125
130				7.4	7.7	7.8	6.7	7	7.2	6	6.4	6.7	4.9	5.4	5.8	4.6	5.2	5.6	130
135				6.8	7	7.1	6.1	6.4	6.6	5.4	5.8	6.1	4.3	4.8	5.1	4.1	4.6	5	135
140				6.2	6.4		5.5	5.8	5.9	4.8	5.2	5.4	3.8	4.3	4.5	3.5	4	4.4	140
145						4.9	5.2		4.3	4.6	4.8	3.3	3.7	4	3.1	3.5	3.8	145	
150						4.4	4.6		3.8	4.1	4.2	2.8	3.2	3.5	2.6	3	3.3	150	
155						4	4.1		3.3	3.6	3.6	2.4	2.7	2.9	2.2	2.6	2.8	155	
160									2.5				2.3	2.4		2.2	2.3		160
165									2.1									165	
170																		170	

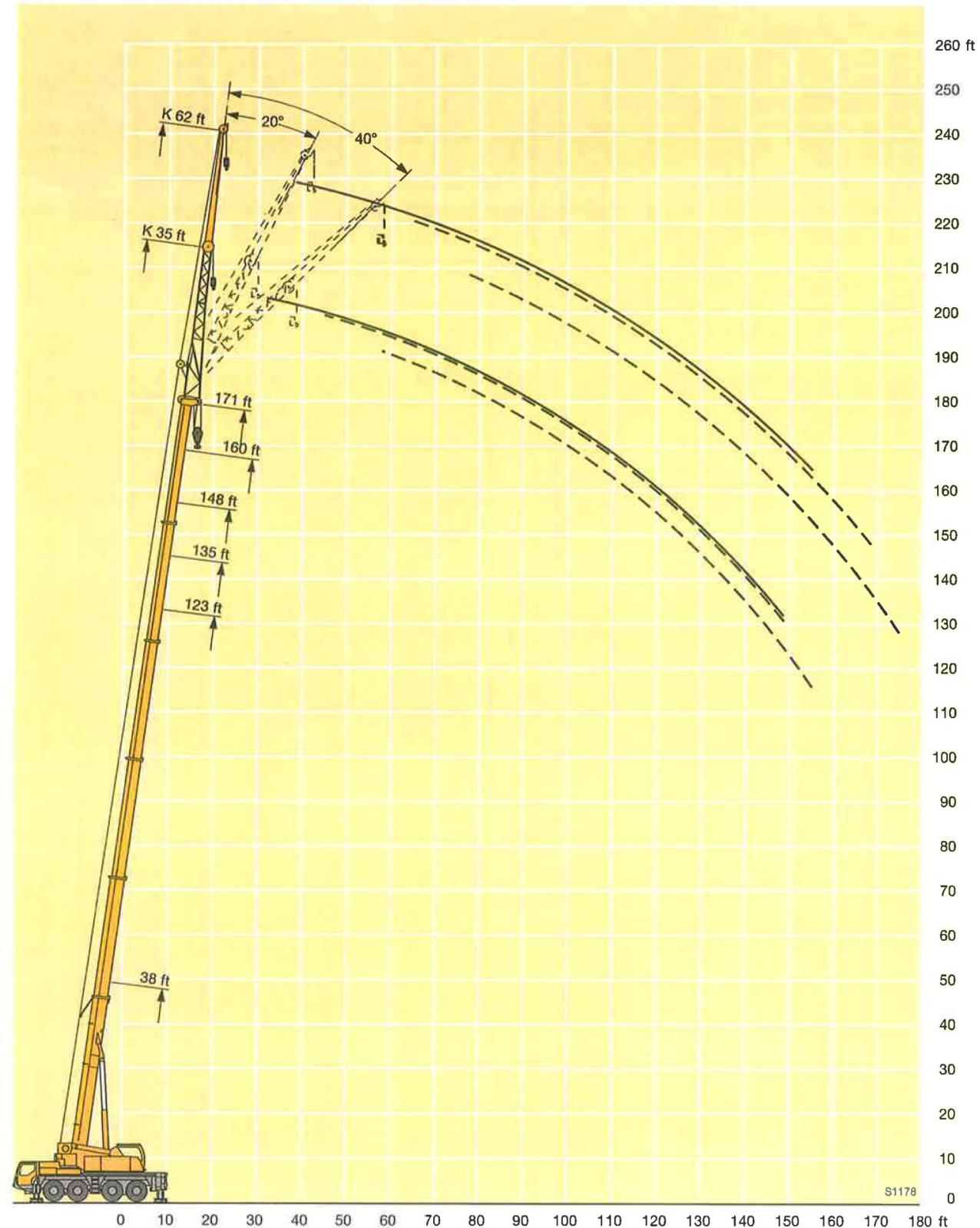
TAB 140431 / 140433 / 140435

Lifting capacities on the folding jib Forces de levage à la fléchette pliante

	38 ft			123 ft			135 ft			148 ft			160 ft			171 ft				
	0°	62 ft	40°	0°	62 ft	40°	0°	62 ft	40°	0°	62 ft	40°	0°	62 ft	40°	0°	62 ft	40°	ft	
13	12.3																		13	
14	12.2																		14	
15	12.1																		15	
16	11.9																		16	
17	11.7																		17	
18	11.6																		18	
20	11.3																		20	
22	10.9																		22	
24	10.6																		24	
26	10.3		12.6																26	
28	10	8.6		12.5			12												28	
30	9.7	8.5		12.4			12												30	
32	9.5	8.3		12.3			11.9				11.1									32
34	9.2	8.1		12.2			11.8				11.1									34
36	9	7.9		12			11.7				11									36
38	8.7	7.8		11.8			11.6				10.9				9.9			8.7		38
40	8.5	7.6		11.7			11.4				10.8				9.9			8.7		40
45	8.1	7.3		11.2			11.1				10.6				9.7			8.5		45
50	7.7	7	6.3	10.8	8.3		10.7	8.2		10.3					9.5			8.3		50
55	7.4	6.7	6.2	10.4	8.1		10.3	8.1		10	7.8				9.3	7.5		8.2		55
60	7.1	6.5	6.1	10	7.9		9.9	7.9		9.6	7.7				9	7.5		8		60
65	6.8	6.4	6	9.6	7.7	6.5	9.6	7.7		9.3	7.5				8.8	7.3		7.8	7.1	65
70	6.6	6.3	6	9.3	7.5	6.4	9.3	7.5	6.4	9	7.4	6.3	8.6	7.2			7.8	7		70
75	6.5	6.2	6	9	7.3	6.3	9	7.3	6.3	8.8	7.2	6.3	8.4	7	6.1	7.7	6.9	6		75
80	6.4	6.1	6	8.6	7.2	6.2	8.7	7.2	6.2	8.5	7.1	6.2	8.2	6.9	6.1	7.5	6.7	6		80
85	6.3	6.1	6	8.4	7	6.2	8.4	7	6.1	8.3	6.9	6.1	8	6.8	6	7.3	6.6	5.9		85
90				8.1	6.9	6.1	8.2	6.9	6.1	8.1	6.8	6	7.8	6.6	5.9	7.1	6.5	5.9		90
95				7.9	6.7	6	8	6.8	6	7.9	6.7	6	7.6	6.5	5.9	6.9	6.4	5.8		95
100				7.7	6.6	6	7.8	6.7	6	7.7	6.6	6	7.5	6.5	5.9	6.7	6.3	5.8		100
105				7.5	6.5	6	7.6	6.6	6	7.5	6.5	5.9	7.3	6.4	5.8	6.5	6.2	5.8		105
110				7.4	6.4	6	7.4	6.5	6	7.4	6.4	5.9	7.2	6.3	5.8	6.3	6.1	5.8		110
115				7.2	6.4	6	7.2	6.4	5.9	7.2	6.4	5.9	7	6.3	5.8	6.2	6	5.8		115
120				7.1	6.3	6	7.1	6.3	5.9	7	6.3	5.9	6.7	6.2	5.8	6	5.8	5.8		120
125				6.9	6.3	6	7	6.3	5.9	6.8	6.2	5.9	6.1	6.1	5.8	5.8	5.7	5.7		125
130				6.7	6.3	6	6.8	6.3	5.9	6.4	6.2	5.9	5.5	6.1	5.8	5.2	5.6	5.7		130
135				6.5	6.2	6	6.5	6.2	5.9	5.9	6.1	5.9	4.9	5.8	5.8	4.6	5.4	5.6		135
140				6.4	6.2	6	6.2	6.1	5.9	5.4	6	5.9	4.4	5.3	5.7	4.1	5.1	5.4		140
145				6.3	6.1	6	5.6	6	5.9	4.9	5.6	5.8	3.9	4.8	5.4	3.6	4.5	5.2		145
150				5.8	6.1	5.9	5.1	5.7	5.9	4.4	5.1	5.6	3.5	4.3	4.8	3.2	4	4.7		150
155				5.4	5.8	5.8	4.6	5.2	5.5	4	4.6	5.1	3	3.8	4.3	2.8	3.6	4.1		155
160				4.9	5.3	5.4	4.2	4.7	5	3.6	4.2	4.5	2.6	3.3	3.8	2.4	3.1	3.6		160
165				4.5	4.8		3.8	4.2	4.4	3.1	3.7	4	2.3	2.9	3.3		2.7	3.2		165
170				4.1	4.3		3.4	3.7	3.8	2.7	3.3	3.5	1.9	2.5	2.9		2.3	2.7		170
175					3	3.3				2.4	2.8	3		2.1	2.4		1.9	2.3		175
180						2.7	2.9			2	2.4	2.5								180

TAB 140431 / 140433 / 140435

Lifting heights Hauteurs de levage



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

	38 - 171 ft			35 ft			123 ft			360°			48500 lbs			85%			
	38 ft			123 ft			135 ft			148 ft			160 ft			171 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	ft
9	30.6																		9
10	30.5																		10
11	30.1																		11
12	29.6																		12
13	29.1																		13
14	28.6																		14
15	28.1																		15
16	27.5	26.8																	16
17	27	26.4																	17
18	26.4	25.9																	18
20	25.3	24.8																	20
22	24	23.7		32.7															22
24	22.7	22.7		32.4															24
26	21.4	21.8	20.9	31.8			29.1												26
28	20.3	20.9	20.1	31.3			28.8			23.1			18.6						28
30	19.2	20	19.3	30.8			28.4			23			18.6						30
32	18.2	19.3	18.7	30.4			28			22.6			18.3			15			32
34	17.3	18.6	18.1	29.9			27.7			22.3			18			14.8			34
36	16.6	17.8	17.6	29.5			27.4			22			17.7			14.6			36
38	15.8	17.1	17	29.1	25.3		27	24.3		21.6			17.4			14.3			38
40	15.1	16.4	16.5	28.6	25.2		26.7	24.2		21.3			17.1			14			40
45	13.5	14.6	15.4	27.4	24	20.8	25.8	23.3		20.6	19.3		16.5	15.8		13.4	12.8		45
50	12.1	13.1	13.9	26.1	22.9	20.1	24.6	22.4	19.5	19.8	18.6	17.7	16	15.3		12.9	12.4		50
55	11	11.7	12.9	24.7	21.8	19.3	23.3	21.6	19.2	19	17.9	17.4	15.4	14.7	13.9	12.4	11.9	11.4	55
60				23.2	20.8	18.6	21.8	20.7	18.5	18.2	17.2	16.7	14.7	14.1	13.8	11.9	11.5	11.3	60
65				21.3	19.9	18	19.8	19.9	18	17.6	16.5	16.1	14.2	13.6	13.4	11.5	11	10.9	65
70				19.1	19.1	17.4	17.8	18.7	17.4	16.8	15.9	15.5	13.7	13.1	13	11	10.6	10.5	70
75				17.2	18	16.9	16.4	17.1	16.9	15.6	15.3	14.9	13.2	12.7	12.6	10.7	10.2	10.1	75
80				15.4	16.5	16.4	15.3	15.4	16.2	14	14.6	14.4	12.8	12.3	12.2	10.3	9.9	9.8	80
85				13.9	14.9	15.6	13.8	14.4	14.6	12.6	13.6	14	12.3	11.9	11.8	9.9	9.5	9.5	85
90				12.6	13.5	14.2	12.5	13.3	13.8	12.1	12.2	12.9	11.3	11.5	11.5	9.6	9.2	9.1	90
95				11.6	12.2	12.8	11.6	12.1	12.8	11.3	11.4	11.9	10.2	10.9	11.2	9.2	8.9	8.9	95
100				11	11.1	11.6	11	11.1	11.6	10.3	10.8	11	9.2	10	10.6	8.8	8.7	8.6	100
105				10.5	10.3	10.4	10.2	10.5	10.5	9.4	10.1	10.6	8.2	9	9.6	7.9	8.4	8.4	105
110				10	10	10	9.4	9.8	10.1	8.5	9.1	9.6	7.4	8.1	8.7	7.1	7.8	8.1	110
115				9.3	9.5	9.6	8.5	9	9.4	7.7	8.3	8.7	6.6	7.3	7.8	6.3	7	7.5	115
120				8.5	8.9	9.1	7.8	8.2	8.5	7	7.5	7.9	5.9	6.5	7	5.6	6.3	6.8	120
125				7.8	8.1	8.3	7.1	7.5	7.7	6.3	6.8	7.1	5.2	5.8	6.2	5	5.6	6	125
130				7.2	7.5	7.6	6.4	6.8	7	5.7	6.1	6.5	4.6	5.2	5.5	4.4	4.9	5.3	130
135				6.5	6.8	6.8	5.8	6.2	6.3	5.1	5.5	5.8	4.1	4.6	4.9	3.8	4.3	4.7	135
140				6	6.1		5.2	5.5	5.6	4.6	5	5.2	3.5	4	4.3	3.3	3.8	4.1	140
145						4.6	4.9		4	4.4	4.5	3.1	3.5	3.7	2.8	3.2	3.5	145	
150						4.1	4.3		3.5	3.8	3.9	2.6	3	3.2	2.4	2.8	3	150	
155						3.7	3.8		3	3.3	3.3	2.1	2.5	2.7	2.1	2.3	2.5	155	
160									2.2									160	
165									1.8									165	
170																		170	

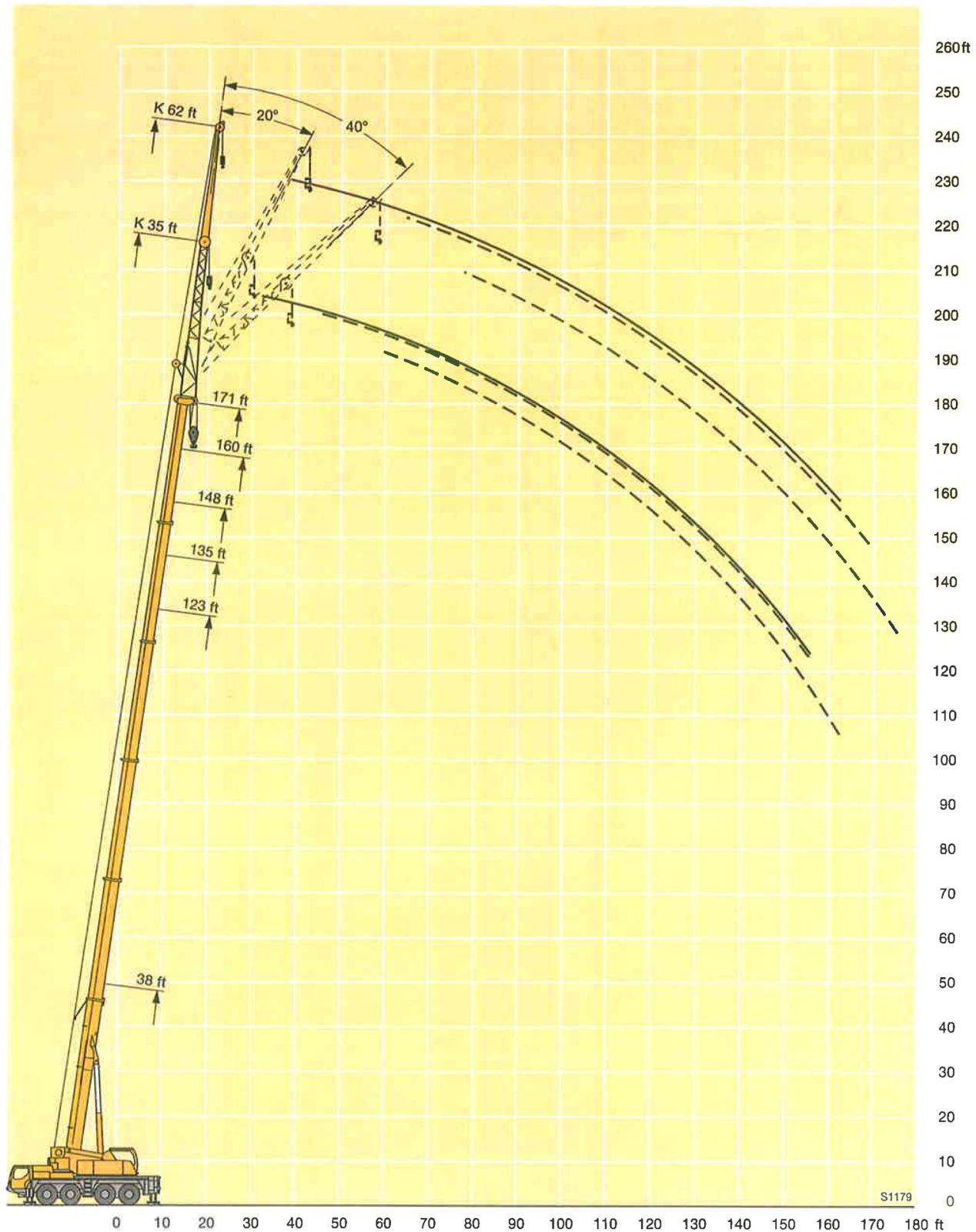
TAB 140507 / 140509 / 140511

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

		38 ft			123 ft			135 ft			148 ft			160 ft			171 ft				
		62 ft			62 ft			62 ft			62 ft			62 ft			62 ft				
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	ft	ft
	13	12.3																		13	
	14	12.1																		14	
	15	11.9																		15	
	16	11.8																		16	
	17	11.6																		17	
	18	11.5																		18	
	20	11.2																		20	
	22	10.8																		22	
	24	10.5																		24	
	26	10.2			12.6															26	
	28	9.9	7.6		12.5			12												28	
	30	9.6	7.6		12.4			12												30	
	32	9.4	7.6		12.2			11.9				11.1								32	
	34	9.1	7.6		12			11.7			11									34	
	36	8.9	7.6		11.9			11.6			10.9									36	
	38	8.7	7.6		11.7			11.4			10.8			9.9			8.5			38	
	40	8.5	7.5		11.5			11.3			10.7			9.9			8.5			40	
	45	8	7.2		11.1			10.9			10.4			9.6			8.5			45	
	50	7.6	6.9	6.2	10.6	8.2		10.5	8.1		10.1			9.4			8.3			50	
	55	7.3	6.7	6.2	10.2	8		10.2	8		9.8	7.7		9.2	7.4		8.2			55	
	60	7	6.5	6	9.8	7.8		9.8	7.8		9.5	7.6		8.9	7.4		8			60	
	65	6.8	6.3	6	9.5	7.6	6.4	9.4	7.6		9.2	7.5		8.7	7.2		7.8	7		65	
	70	6.6	6.3	6	9.1	7.4	6.4	9.1	7.4	6.3	8.9	7.3	6.2	8.4	7.1		7.8	6.9		70	
	75	6.4	6.2	6	8.8	7.2	6.3	8.8	7.2	6.3	8.6	7.1	6.2	8.2	6.9	6	7.6	6.8	6	75	
	80	6.3	6.1	6	8.5	7.1	6.2	8.6	7.1	6.2	8.4	7	6.1	8	6.8	6	7.4	6.7	5.9	80	
	85	6.3	6.1	6	8.3	6.9	6.1	8.3	6.9	6.1	8.2	6.8	6	7.8	6.7	6	7.2	6.6	5.9	85	
	90				8	6.8	6.1	8.1	6.8	6	8	6.7	6	7.7	6.6	5.9	7	6.5	5.8	90	
	95				7.8	6.7	6	7.9	6.7	6	7.8	6.6	6	7.5	6.5	5.9	6.8	6.4	5.8	95	
	100				7.6	6.6	6	7.7	6.6	6	7.6	6.5	5.9	7.4	6.4	5.8	6.6	6.3	5.8	100	
	105				7.4	6.5	6	7.5	6.5	5.9	7.4	6.5	5.9	7.2	6.3	5.8	6.4	6.2	5.8	105	
	110				7.3	6.4	6	7.3	6.4	5.9	7.3	6.4	5.9	7.1	6.3	5.8	6.2	6.1	5.8	110	
	115				7.1	6.3	6	7.2	6.3	5.9	7.1	6.3	5.9	6.9	6.2	5.8	6.1	5.9	5.7	115	
	120				7	6.3	6	7	6.3	5.9	6.9	6.2	5.9	6.6	6.1	5.8	5.9	5.8	5.7	120	
	125				6.8	6.3	6	6.9	6.2	5.9	6.8	6.2	5.9	5.9	6.1	5.8	5.6	5.6	5.7	125	
	130				6.6	6.2	6	6.7	6.2	5.9	6.3	6.1	5.9	5.3	6.1	5.8	5	5.5	5.6	130	
	135				6.5	6.2	6	6.4	6.2	5.9	5.7	6.1	5.9	5.3	6.1	5.8	4.5	5.3	5.5	135	
	140				6.4	6.1	5.9	6	6.1	5.9	5.2	5.9	5.9	4.2	5.1	5.6	3.9	4.9	5.3	140	
	145				6.2	6.1	5.9	5.5	6	5.9	4.7	5.5	5.8	3.7	4.6	5.2	3.5	4.4	5.1	145	
	150				5.7	6.1	5.9	5	5.6	5.8	4.3	4.9	5.4	3.3	4.1	4.7	3	3.9	4.5	150	
	155				5.2	5.6	5.6	4.5	5	5.3	3.8	4.5	4.9	2.8	3.6	4.1	2.6	3.4	4	155	
	160				4.7	5.1	5.1	4	4.5	4.8	3.4	4	4.3	2.4	3.1	3.6	2.2	2.9	3.5	160	
	165				4.3	4.6		3.6	4	4.2	2.9	3.5	3.8		2.7	3.1		2.5	3	165	
	170				3.9	4.1		3.2	3.5	3.6	2.5	3.1	3.3		2.3	2.6		2.1	2.5	170	
	175						2.8	3.1		2.2	2.6	2.8		1.9	2.2			2.1		175	
	180						2.4	2.7		2.2	2.3									180	

TAB 140507 / 140509 / 140511

Lifting heights Hauteurs de levage



Lifting capacities on the folding jib with boom extension
Forces de levage à la flèche pliante avec télescopie rallongé

		38 - 171 ft	23 ft	35 ft	360°	48500 lbs	85%														
		38 ft + 23 ft			135 ft + 23 ft			148 ft + 23 ft			160 ft + 23 ft			171 ft + 23 ft							
		0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°		
	ft																				
13		13.6																			13
14		13.4																			14
15		13.1																			15
16		13																			16
17		12.8																			17
18		12.6	12.3																		18
20		12.2	12.2																		20
22		11.8	11.9																		22
24		11.5	11.5																		24
26		11.1	11.1																		26
28		10.8	10.7	10.2	14.4																28
30		10.4	10.4	10.2	14.2																30
32		10.1	10.1	10	13.9																32
34		9.8	9.8	9.7	13.7																34
36		9.5	9.5	9.5	13.5																36
38		9.2	9.2	9.2	13.3	12.3															38
40		8.9	8.9	8.9	13.1	12.2															40
45		8.3	8.3	8.3	12.6	11.7															45
50		7.8	7.8	7.8	12.1	11.2	10.2	11.6	10.9	10	11	10.4									50
55		7.3	7.3	7.3	11.7	10.8	10	11.3	10.5	9.9	10.7	10.1	9.3	8.8	8.5	8					55
60		6.9	6.9	6.9	11.2	10.4	9.7	10.9	10.1	9.5	10.3	9.8	9.2	8.5	8.2	8					60
65		6.5	6.6	6.5	10.8	10	9.3	10.5	9.8	9.2	10	9.5	8.9	8.2	7.9	7.7					65
70		6.1	6.2	6.2	10.4	9.6	9	10.1	9.5	8.9	9.7	9.2	8.7	7.9	7.6	7.4					70
75		5.7	5.8	6	10	9.3	8.7	9.8	9.2	8.6	9.4	8.9	8.4	7.6	7.4	7.2					75
80		5.4	5.5																		80
85		4.9	5.1																		85
90																					90
95																					95
100																					100
105																					105
110																					110
115																					115
120																					120
125																					125
130																					130
135																					135
140																					140
145																					145
150																					150
155																					155
160																					160
165																					165
170																					170
175																					175

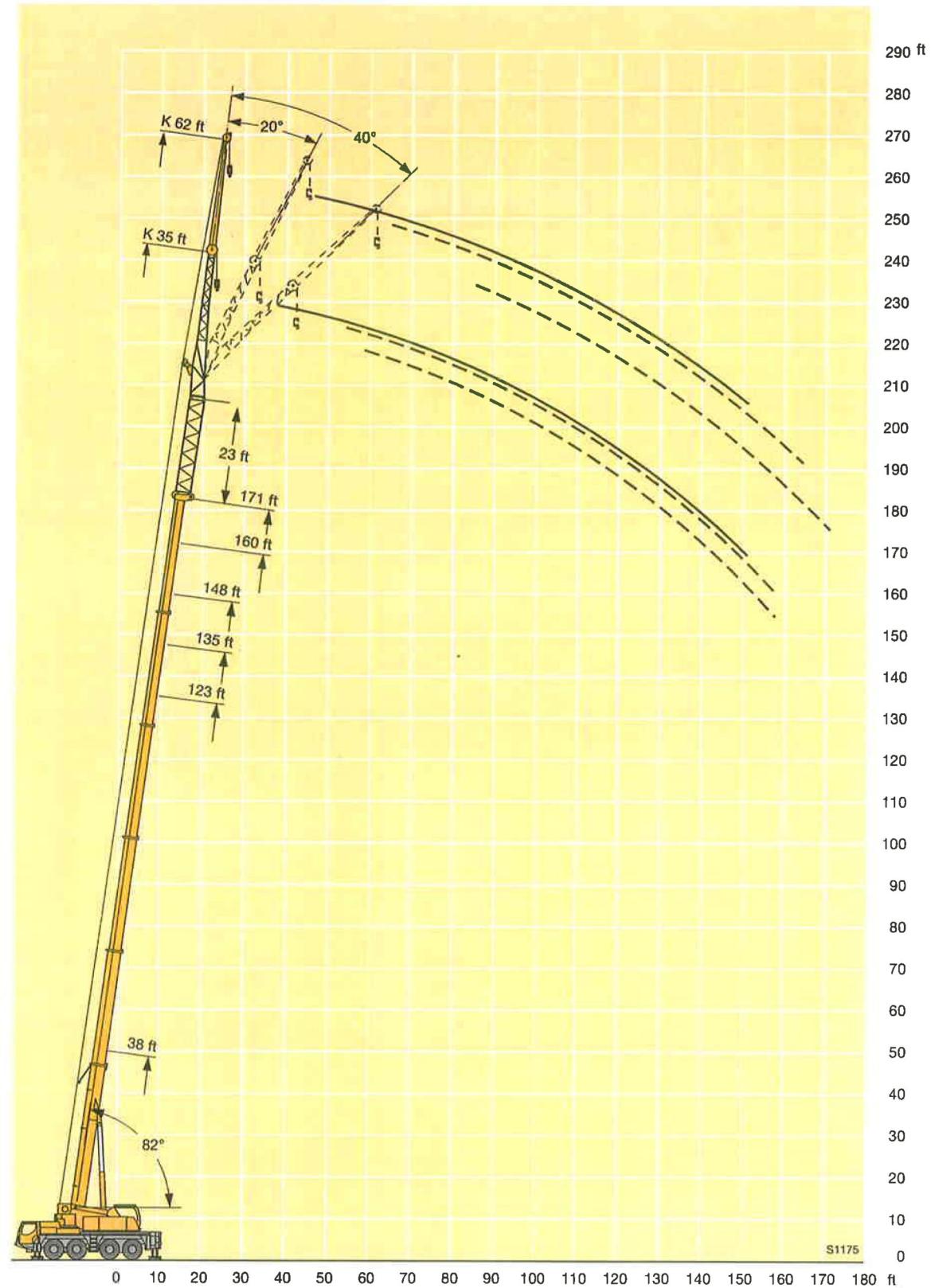
TAB 140287 / 140289 / 140291

Lifting capacities on the folding jib with boom extension Forces de levage à la fléchette pliante avec télescopage rallongé

	38 ft + 23 ft	135 ft + 23 ft			148 ft + 23 ft			160 ft + 23 ft			171 ft + 23 ft							
	0°	62 ft	20°	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°	ft	
18	9																18	
20	9																20	
22	8.9																22	
24	8.7																24	
26	8.6																26	
28	8.4				9.3												28	
30	8.2				9.3												30	
32	8	7.6			9.3				8.8								32	
34	7.9	7.6			9.2				8.8								34	
36	7.7	7.5			9.2				8.8								36	
38	7.5	7.5			9.2				8.7			8.3					38	
40	7.3	7.4			9.1				8.7			8.2					40	
45	6.9	7			9				8.6			8.1					45	
50	6.5	6.6	6.4		8.8				8.4			7.9					50	
55	6.1	6.2	6.3		8.5	7.6			8.2	7.5		7.8					55	
60	5.8	5.9	6		8.3	7.6			8	7.5		7.6					60	
65	5.5	5.6	5.7		8	7.4			7.8	7.3		7.4	7				65	
70	5.2	5.3	5.4		7.8	7.2	6.4		7.6	7.1		7.3	6.8				70	
75	5	5	5.1		7.5	7	6.4		7.3	6.8	6.3	7	6.6	6	5.7	5.6	75	
80	4.8	4.8	4.9		7.3	6.7	6.3		7.1	6.6	6.3	6.8	6.4	6	5.6	5.4	80	
85	4.6	4.6	4.7		7.1	6.5	6.2		6.9	6.4	6.1	6.7	6.3	6	5.4	5.3	85	
90	4.4	4.4	4.5		6.8	6.3	6		6.7	6.2	6	6.5	6.1	5.8	5.2	5.1	90	
95	4.2	4.2	4.3		6.6	6.1	5.9		6.5	6	5.8	6.3	5.9	5.7	5	5	4.9	95
100	4	4.1	4.2		6.4	5.9	5.7		6.3	5.9	5.7	6.1	5.8	5.5	4.9	4.8	100	
105	3.8	3.9			6.2	5.8	5.6		6.1	5.7	5.5	6	5.6	5.4	4.7	4.7	105	
110	3.7	3.7			6	5.6	5.4		6	5.6	5.4	5.8	5.5	5.5	5.3	4.6	4.5	110
115					5.8	5.4	5.3		5.8	5.4	5.2	5.7	5.3	5.2	4.5	4.4	4.4	115
120					5.7	5.3	5.1		5.7	5.3	5.1	5.6	5.2	5.1	4.3	4.3	4.3	120
125					5.5	5.2	5		5.5	5.2	5	5.4	5.1	4.9	4.2	4.1	4.2	125
130					5.3	5	4.9		5.4	5.1	4.9	4.9	5	4.9	4.1	4	4.1	130
135					5.2	4.9	4.8		5.2	4.9	4.8	4.4	4.9	4.8	3.9	3.9	4	135
140					5	4.8	4.7		4.9	4.8	4.7	3.9	4.7	4.7	3.6	3.8	3.9	140
145					4.9	4.7	4.6		4.4	4.7	4.6	3.4	4.4	4.6	3.1	3.7	3.8	145
150					4.6	4.6	4.5		3.9	4.6	4.5	3	3.9	4.5	2.7	3.6	3.6	150
155					4.2	4.5	4.5		3.5	4.2	4.5	2.6	3.4	4	2.3	3.1	3.6	155
160					3.8	4.3	4.4		3.1	3.8	4.2	2.2	3	3.5	2.7	3.3	160	
165					3.5	4	4.3		2.7	3.4	3.8		2.5	3.1	2.3	2.9	165	
170					3.1	3.6	3.9		2.4	3	3.4		2.1	2.6	1.9	2.4	170	
175					2.7	3.2			2	2.6	3			2.2		2	175	
180					2.3	2.8			2.2	2.6							180	
185					2.4												185	
190					2												190	

TAB 140287 / 140289 / 140291

Lifting heights Hauteurs de levage



Lifting capacities on the folding jib with boom extension
Forces de levage à la fléchette pliante avec télescope rallongé

		38 ft + 46 ft			135 ft + 46 ft			148 ft + 46 ft			160 ft + 46 ft			171 ft + 46 ft						
		0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	ft
		9.9																		16
	16	9.9																		17
	17	9.8																		18
	18	9.7																		19
	20	9.4																		21
	22	9.2	8.9																	22
	24	8.9	8.8																	24
	26	8.7	8.8																	26
	28	8.5	8.5																	28
	30	8.2	8.3																	30
	32	8	8	7.7	10.1															32
	34	7.8	7.8	7.6	10.1															34
	36	7.6	7.6	7.5	9.9															36
	38	7.3	7.4	7.4	9.8				9.3				7.8							38
	40	7.1	7.2	7.3	9.7				9.2				7.8							40
	45	6.6	6.7	6.8	9.3	8.9			8.9				7.8							45
	50	6.2	6.2	6.3	9	8.6			8.6	8.1			7.8	7.7						50
	55	5.8	5.8	5.9	8.7	8.2	7.7	8.3	8	7.4			7.7	7.6						55
	60	5.5	5.5	5.5	8.4	7.9	7.6	8.1	7.7	7.4			7.6	7.3						60
	65	5.1	5.1	5.2	8	7.6	7.3	7.8	7.4	7.1			7.4	7.1	6.8	5.9	5.9	5.8		65
	70	4.8	4.8	4.9	7.7	7.3	7	7.5	7.1	6.9			7.2	6.8	6.6	5.7	5.6	5.6		70
	75	4.6	4.6	4.6	7.4	7	6.8	7.2	6.9	6.6			6.9	6.6	6.4	5.5	5.4	5.4		75
	80	4.3	4.3	4.4	7.1	6.8	6.5	7	6.6	6.4			6.7	6.4	6.2	5.3	5.2	5.2		80
	85	4.1	4.1	4.1	6.8	6.5	6.3	6.7	6.4	6.2			6.5	6.2	6	5.1	5.1	5		85
	90	3.9	3.9	3.9	6.6	6.2	6.1	6.5	6.2	6			6.3	6	5.8	4.9	4.9	4.9		90
	95	3.7	3.7	3.7	6.3	6	5.9	6.3	6	5.8			6.1	5.8	5.7	4.7	4.7	4.7		95
	100	3.5	3.5	3.5	6.1	5.8	5.7	6.1	5.8	5.6			5.9	5.6	5.5	4.6	4.5	4.5		100
	105				5.9	5.6	5.5	5.9	5.6	5.4			5.7	5.4	5.3	4.4	4.3	4.3		105
	110				5.7	5.4	5.3	5.7	5.4	5.2			5.6	5.3	5.1	4.3	4.2	4.2		110
	115				5.5	5.2	5.1	5.5	5.2	5.1			5.4	5.2	5	4.1	4	4.1		115
	120				5.3	5.1	5	5.3	5.1	5			5.2	5	4.9	4	3.9	3.9		120
	125				5.1	4.9	4.8	5.2	4.9	4.8			4.8	4.9	4.8	3.9	3.8	3.8		125
	130				5	4.8	4.7	5	4.8	4.7			4.2	4.7	4.6	3.7	3.7	3.7		130
	135				4.8	4.6	4.6	4.6	4.7	4.6			3.7	4.3	4.5	3.3	3.6	3.6		135
	140				4.6	4.5	4.5	4.1	4.5	4.5			3.1	3.7	4.1	2.8	3.3	3.4		140
	145				4.4	4.4	4.3	3.6	4.1	4.3			2.7	3.2	3.6	2.9	3.3	3.3		145
	150				3.9	4.2	4.2	3.2	3.6	3.9			2.2	2.7	3.1	2.5	2.8	2.8		150
	155				3.5	3.8	4	2.7	3.2	3.4			2.3	2.6		2.4				155
	160				3.1	3.4	2.3	2.7	3				2.3	2.6	2.1					160
	165				2.7	3		2.3												165
	170				2.3	2.6		1.9												170
	175				1.9	2.2														175

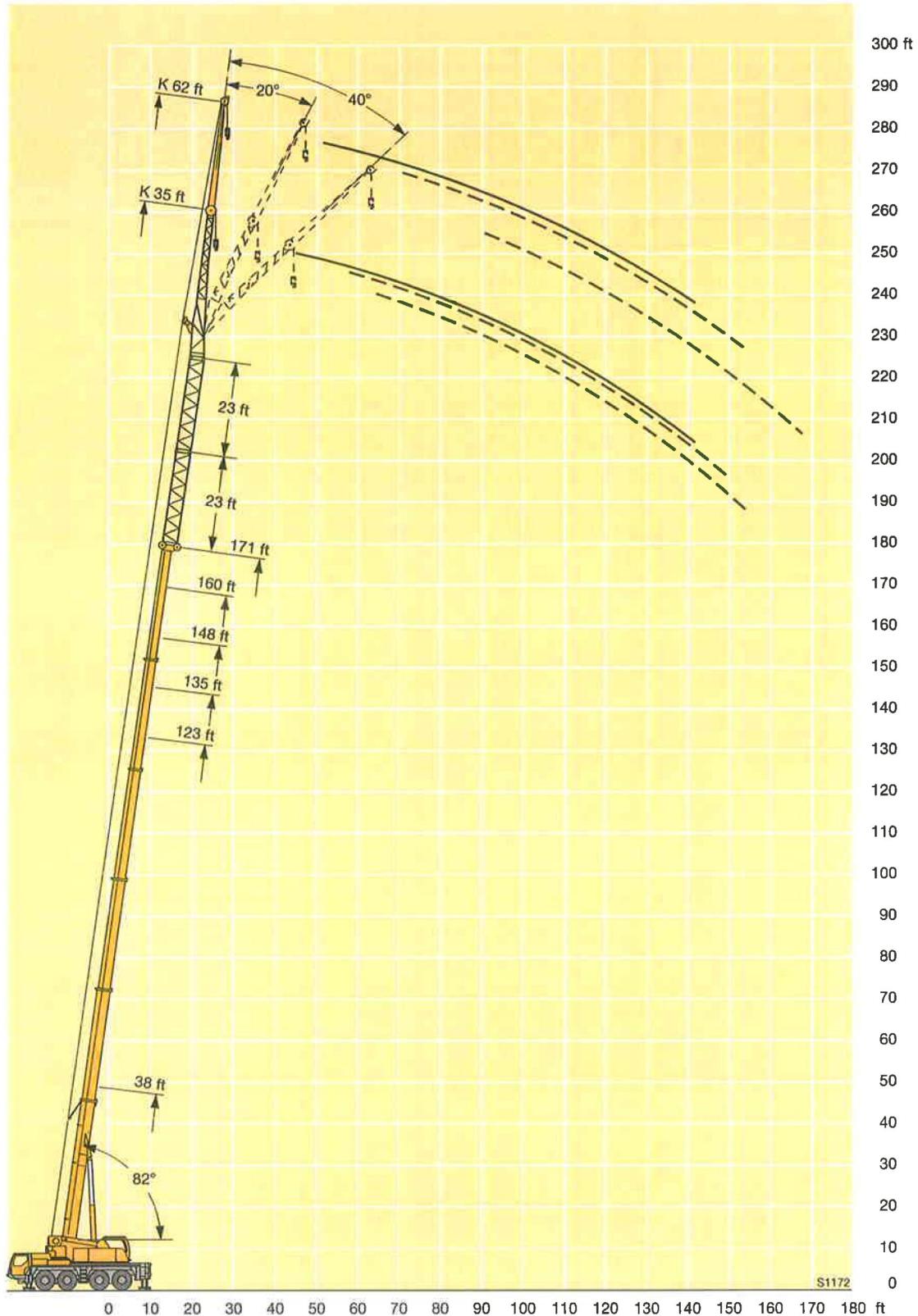
TAB 140293 / 140295 / 140297

Lifting capacities on the folding jib with boom extension
Forces de levage à la fléchette pliante avec télescope rallongé

		38 ft + 46 ft			135 ft + 46 ft			148 ft + 46 ft			160 ft + 46 ft			171 ft + 46 ft							
		0°	62 ft	40°	0°	62 ft	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°		
ft	ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	ft	ft
22	6.9																			22	
24	6.8																			24	
26	6.7																			26	
28	6.5																			28	
30	6.4																			30	
32	6.3																			32	
34	6.2																			34	
36	6																			36	
38	5.9	6.1			7.1				6.7											38	
40	5.8	6			7.1				6.7											40	
45	5.4	5.7			6.9				6.5				5.3							45	
50	5.1	5.3			6.7				6.3				5.3				4.5			50	
55	4.8	5	5.1	6.5				6.2				5.2				4.3				55	
60	4.5	4.7	5	6.3				6				5.1				4.1				60	
65	4.2	4.4	4.7	6.1	5.8			5.8	5.6			5.1				4.1				65	
70	4	4.2	4.4	5.9	5.6			5.7	5.5			5.1	4.9			4.1	4.2			70	
75	3.8	4	4.1	5.7	5.4	5.2	5.5	5.3				5.1	4.9			4.1	4.1			75	
80	3.6	3.7	3.9	5.5	5.2	5.1	5.3	5.1				5	4.9			4	4			80	
85	3.4	3.5	3.7	5.2	5.1	5	5.1	4.9	4.8	4.9	4.7				3.9	3.8			85		
90	3.2	3.3	3.5	5.1	4.9	4.8	5	4.8	4.7	4.7	4.6	4.5			3.7	3.7	3.7		90		
95	3.1	3.2	3.3	4.9	4.7	4.6	4.8	4.6	4.5	4.6	4.5	4.4			3.6	3.6	3.6		95		
100	2.9	3	3.1	4.7	4.5	4.5	4.7	4.5	4.4	4.4	4.3	4.3			3.5	3.5	3.5		100		
105	2.8	2.9	3	4.5	4.4	4.3	4.5	4.3	4.3	4.3	4.2	4.1			3.3	3.4	3.4		105		
110	2.6	2.7	2.8	4.4	4.2	4.2	4.4	4.2	4.1	4.2	4.1	4			3.2	3.3	3.3		110		
115	2.5	2.6	2.7	4.2	4.1	4	4.2	4	4	4	4	3.9			3.1	3.2	3.2		115		
120	2.4	2.4	2.6	4.1	4	3.9	4.1	3.9	3.9	3.9	3.9	3.8			3	3.1	3.1		120		
125	2.3	2.3		3.9	3.8	3.8	3.9	3.8	3.8	3.8	3.7	3.7			2.9	3	3		125		
130	2.2	2.3		3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.6			2.8	2.9	2.9		130		
135				3.7	3.6	3.6	3.7	3.6	3.6	3.6	3.5	3.5			2.7	2.8	2.8		135		
140				3.6	3.5	3.5	3.6	3.5	3.5	3.4	3.4	3.4			2.6	2.7	2.8		140		
145				3.5	3.4	3.4	3.5	3.4	3.4	2.9	3.3	3.3			2.5	2.6	2.7		145		
150				3.4	3.3	3.3	3.3	3.3	3.3	2.4	3.2	3.2			2.1	2.5	2.6		150		
155				3.3	3.2	3.2	2.9	3.2	3.2		2.9	3.2				2.4	2.5			155	
160				3.1	3.1	3.1	2.5	3.1	3.1		2.5	3				2.2	2.4			160	
165				2.9	3	3	2.2	2.9	3			2.7								165	
170				2.5	2.9	2.9	1.8	2.5	2.9			2.3								170	
175				2.2	2.7	2.9		2.1	2.6			1.9								175	
180					2.4	2.7			2.2										180		
185						2.1													185		
190						1.8													190		

TAB 140293 / 140295 / 140297

Lifting heights Hauteurs de levage



**Lifting capacities on the hydraulically variable folding jib
with boom extension**

**Forces de levage à la fléchette pliante à variation hydraulique
avec télescope rallongé**

		38 - 171 ft			23 ft			35 ft			35 ft			360°			48500 lbs			85%		
		38 ft + 23 ft			135 ft + 23 ft			148 ft + 23 ft			160 ft + 23 ft			171 ft + 23 ft								
		ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	35 ft	0°	
		13	13.5																		13	
		14	13.3																		14	
		15	13.1																		15	
		16	12.9																		16	
		17	12.7																		17	
		18	12.5	12.1																	18	
		20	12.1	12																	20	
		22	11.7	11.7																	22	
		24	11.4	11.4																	24	
		26	11	11		14.4															26	
		28	10.6	10.6	10.1	14.2															28	
		30	10.3	10.3	10.1	14															30	
		32	10	10	9.9	13.8															32	
		34	9.7	9.7	9.6	13.5															34	
		36	9.4	9.4	9.3	13.3															36	
		38	9.1	9.1	9.1	13.1	12.1														38	
		40	8.8	8.8	8.8	12.9	12														40	
		45	8.2	8.2	8.1	12.4	11.5														45	
		50	7.6	7.7	7.6	12	11.1	10.1	11.5	10.7	9.9	10.8	10.3								50	
		55	7.1	7.2	7.2	11.5	10.6	9.9	11.1	10.4	9.7	10.5	10	9.2	8.6	8.3	7.9				55	
		60	6.7	6.8	6.8	11.1	10.2	9.6	10.7	10	9.4	10.2	9.6	9.1	8.3	8	7.9				60	
		65	6.3	6.4	6.4	10.6	9.8	9.2	10.3	9.7	9.1	9.8	9.3	8.8	8	7.8	7.6				65	
		70	5.9	6	6.1	10.2	9.4	8.9	10	9.3	8.8	9.5	9	8.6	7.7	7.5	7.3				70	
		75	5.6	5.6	5.7	9.8	9.1	8.6	9.6	9	8.5	9.2	8.8	8.3	7.4	7.2	7.1				75	
		80	5.2	5.3		9.4	8.8	8.3	9.3	8.7	8.3	9	8.5	8.1	7.2	7	6.8				80	
		85	4.7	5		9.1	8.5	8	9	8.4	8	8.7	8.2	7.8	6.9	6.7	6.6				85	
		90				8.7	8.2	7.8	8.7	8.2	7.8	8.4	8	7.6	6.7	6.4	6.3				90	
		95				8.4	8	7.6	8.4	7.9	7.6	8.2	7.8	7.4	6.5	6.2	6.1				95	
		100				8.1	7.7	7.4	8.1	7.7	7.4	7.9	7.6	7.2	6.2	6	5.9				100	
		105				7.8	7.5	7.2	7.9	7.5	7.2	7.7	7.4	7.1	6	5.8	5.7				105	
		110				7.6	7.3	7	7.6	7.3	7	7.1	7.2	6.9	5.9	5.6	5.6				110	
		115				7.3	7.1	6.8	7.3	7.1	6.8	6.4	6.9	6.8	5.7	5.5	5.4				115	
		120				7.1	6.9	6.7	6.7	6.9	6.7	5.7	6.4	6.6	5.3	5.3	5.3				120	
		125				6.8	6.7	6.5	6	6.6	6.5	5	5.7	6.2	4.8	5.2	5.1				125	
		130				6.2	6.5	6.4	5.4	6	6.2	4.4	5	5.5	4.2	4.7	5				130	
		135				5.6	6.1	6.2	4.9	5.4	5.7	3.9	4.4	4.8	3.6	4.2	4.6				135	
		140				5.1	5.5	5.8	4.3	4.8	5.1	3.4	3.9	4.2	3.1	3.6	4				140	
		145				4.6	5		3.8	4.3	4.5	2.9	3.4	3.7	2.6	3.1	3.5				145	
		150				4	4.4		3.4	3.8	4	2.4	2.9	3.1	2.1	2.6	2.9				150	
		155				3.6	3.9		2.9	3.3	3.5		2.4	2.6		2.2					155	
		160				3.1	3.4		2.5	2.9											160	
		165				2.7	2.9			2.4											165	
		170				2.3	2.5			1.9											170	
		175				1.9	2.1														175	

TAB 140636 / 140638 / 140640

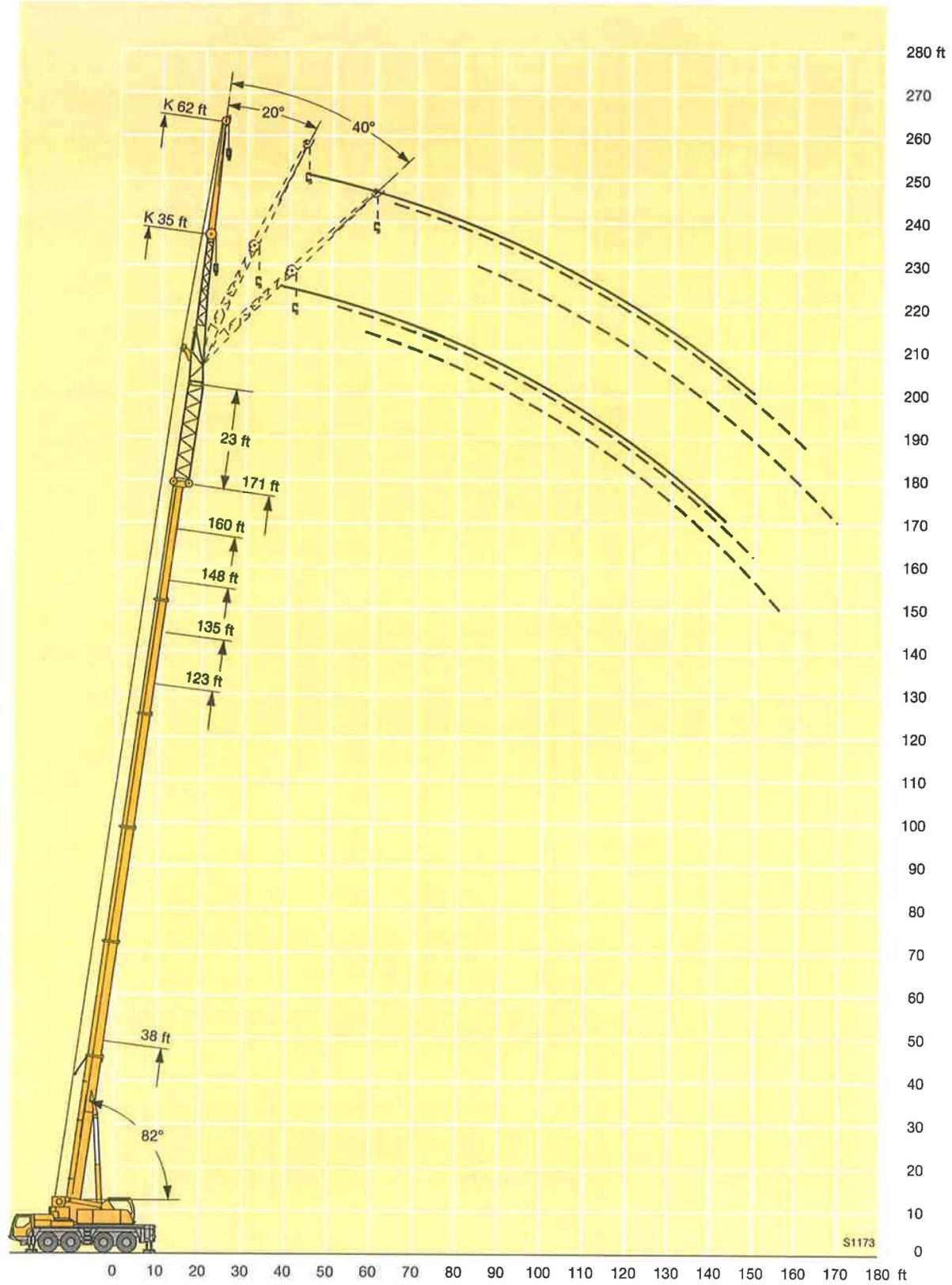
Lifting capacities on the hydraulically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique avec télescope rallongé

		38 - 171 ft	23 ft	62 ft		360°	48500 lbs	85%												
ft	ft	38 ft + 23 ft			135 ft + 23 ft			148 ft + 23 ft			160 ft + 23 ft			171 ft + 23 ft			ft			
		0°	62 ft	20°	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°	0°	62 ft	20°	40°			
18	9																	18		
20	9																	20		
22	8.9																	22		
24	8.7																	24		
26	8.5																	26		
28	8.4				9.3													28		
30	8.2				9.3													30		
32	8	7.5			9.2				8.8									32		
34	7.8	7.5			9.2				8.7									34		
36	7.6	7.4			9.2				8.7									36		
38	7.4	7.4			9.2				8.7				8.2					38		
40	7.2	7.3			9.1				8.7				8.2					40		
45	6.8	6.9			8.9				8.5				8.1					45		
50	6.4	6.5	6.3		8.7				8.3				7.9					50		
55	6.1	6.1	6.2		8.4	7.5			8.1	7.4			7.7					55		
60	5.7	5.8	6		8.2	7.5			7.9	7.4			7.5					60		
65	5.4	5.5	5.6		7.9	7.3			7.7	7.2			7.3	6.9				65		
70	5.1	5.2	5.4		7.6	7.1			6.3	7.4	7		7.1	6.7				70		
75	4.9	5	5.1		7.4	6.8	6.3		7.2	6.7	6.3	6.9	6.5	5.9	5.7	5.5		75		
80	4.7	4.7	4.8		7.2	6.6	6.3		7	6.5	6.2	6.7	6.3	5.9	5.5	5.3		80		
85	4.5	4.5	4.6		6.9	6.4	6.1		6.8	6.3	6.1	6.5	6.1	5.9	5.3	5.2	5.1	85		
90	4.3	4.3	4.4		6.7	6.2	5.9		6.6	6.1	5.9	6.4	6	5.7	5.1	5	4.9	90		
95	4	4.1	4.3		6.5	6	5.8		6.4	6	5.7	6.2	5.8	5.6	4.9	4.8	4.8	95		
100	3.9	4	4.1		6.2	5.8	5.6		6.2	5.8	5.6	6	5.7	5.5	4.8	4.7	4.7	100		
105	3.7	3.8			6	5.6	5.5		6	5.6	5.4	5.9	5.5	5.3	4.6	4.5	4.6	105		
110	3.5	3.6			5.9	5.5	5.3		5.8	5.5	5.3	5.7	5.4	5.2	4.5	4.4	4.4	110		
115					5.7	5.3	5.2		5.7	5.3	5.2	5.6	5.2	5.1	4.3	4.3	4.3	115		
120					5.5	5.2	5.1		5.5	5.2	5	5.4	5.1	5	4.2	4.1	4.2	120		
125					5.4	5.1	4.9		5.4	5.1	4.9	5.3	5	4.9	4.1	4	4.1	125		
130					5.2	4.9	4.8		5.2	4.9	4.8	4.8	4.9	4.8	4	3.9	4	130		
135					5.1	4.8	4.7		5	4.8	4.7	4.2	4.8	4.7	3.8	3.8	3.9	135		
140					4.9	4.7	4.6		4.7	4.7	4.6	3.7	4.6	4.6	3.4	3.7	3.8	140		
145					4.8	4.6	4.5		4.2	4.6	4.5	3.2	4.2	4.5	2.9	3.6	3.7	145		
150					4.4	4.5	4.4		3.7	4.5	4.5	2.8	3.7	4.3	2.5	3.4	3.6	150		
155					4	4.4	4.4		3.3	4.1	4.4	2.4	3.2	3.9	2.1	3	3.4	155		
160					3.6	4.2	4.3		2.9	3.6	4.1	2.8	3.4	2.1	2.5	3.1	160			
165					3.2	3.8	4.2		2.5	3.2	3.6	2.3	2.9			2.7	165			
170					2.8	3.4	3.7		2.2	2.8	3.2	1.9	2.4			2.2	170			
175					2.5	3			1.8	2.4	2.7		2				175			
180					2.1	2.6			2	2.3							180			
185					2.2												185			
190					1.8												190			

TAB 140636 / 140638 / 140640

Lifting heights
Hauteurs de levage



Lifting capacities on the hydraulically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique avec télescope rallongé

	38 - 171 ft	46 ft	35 ft	Table	360°	48500 lbs	85%										
ft	38 ft + 46 ft			135 ft + 46 ft			148 ft + 46 ft			160 ft + 46 ft			171 ft + 46 ft			ft	
	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°	0°	35 ft	40°		
16	9.7															16	
17	9.6															17	
18	9.5															18	
20	9.2															20	
22	9	8.7														22	
24	8.8	8.7														24	
26	8.5	8.7														26	
28	8.3	8.4														28	
30	8.1	8.2														30	
32	7.8	7.9	7.5	10												32	
34	7.6	7.7	7.5	9.9												34	
36	7.4	7.5	7.4	9.8												36	
38	7.2	7.2	7.3	9.6				9.2			7.5					38	
40	7	7	7.2	9.5				9.1			7.5					40	
45	6.5	6.5	6.6	9.1	8.7			8.8			7.5			6.1		45	
50	6	6.1	6.2	8.8	8.4			8.5	8		7.5	7.5		5.9		50	
55	5.7	5.7	5.8	8.5	8.1	7.5		8.2	7.8	7.3	7.5	7.4		5.8	6	55	
60	5.3	5.3	5.4	8.2	7.8	7.5		7.9	7.5	7.3	7.4	7.2		5.8	5.9	60	
65	5	5	5	7.8	7.4	7.2	7.6	7.2	7	7.2	6.9	6.7	6.1	5.8	5.7	5.6	65
70	4.7	4.7	4.7	7.5	7.1	6.9	7.3	7	6.7	7	6.7	6.5	5.9	5.6	5.5	5.5	70
75	4.4	4.5	4.5	7.2	6.9	6.6	7	6.7	6.5	6.8	6.5	6.3	5.4	5.3	5.3	75	
80	4.2	4.2	4.2	6.9	6.6	6.4	6.8	6.5	6.3	6.5	6.3	6.1	5.1	5.1	5.1	80	
85	4	4	4	6.7	6.3	6.1	6.5	6.2	6.1	6.3	6	5.9	4.9	4.9	4.9	85	
90	3.7	3.7	3.8	6.4	6.1	5.9	6.3	6	5.8	6.1	5.8	5.7	4.7	4.7	4.7	90	
95	3.5	3.5	3.5	6.2	5.9	5.7	6.1	5.8	5.6	5.9	5.6	5.5	4.6	4.5	4.5	95	
100	3.3	3.4	3.3	6	5.7	5.5	5.9	5.6	5.5	5.7	5.5	5.3	4.4	4.4	4.4	100	
105					5.7	5.5	5.3	5.7	5.4	5.3	5.6	5.3	5.2	4.3	4.2	4.2	105
110					5.5	5.3	5.1	5.5	5.2	5.1	5.4	5.1	5.1	4.1	4	4.1	110
115					5.3	5.1	5	5.3	5.1	5	5.2	5	4.9	4	3.9	3.9	115
120					5.1	5	4.8	5.2	5	4.8	5	4.8	4.8	3.8	3.8	3.8	120
125					5	4.8	4.7	5	4.8	4.7	4.5	4.7	4.6	3.7	3.6	3.7	125
130					4.8	4.6	4.6	4.8	4.6	4.6	3.9	4.5	4.5	3.5	3.5	3.5	130
135					4.7	4.5	4.4	4.3	4.5	4.5	3.4	4	4.3	3.1	3.4	3.4	135
140					4.4	4.4	4.3	3.8	4.3	4.3	2.9	3.4	3.9	2.6	3.1	3.3	140
145					4.1	4.2	4.2	3.3	3.8	4.1	2.9	3.3	2.7	3.1	3.1	145	
150					3.6	4	4.1	2.9	3.3	3.6	2.5	2.8	2.2	2.6	2.6	150	
155					3.2	3.6	3.8	2.4	2.9	3.1		2.3		2.1		155	
160					2.8	3.1			2.4	2.7						160	
165					2.4	2.7										165	
170					2	2.3										170	
175					1.9											175	

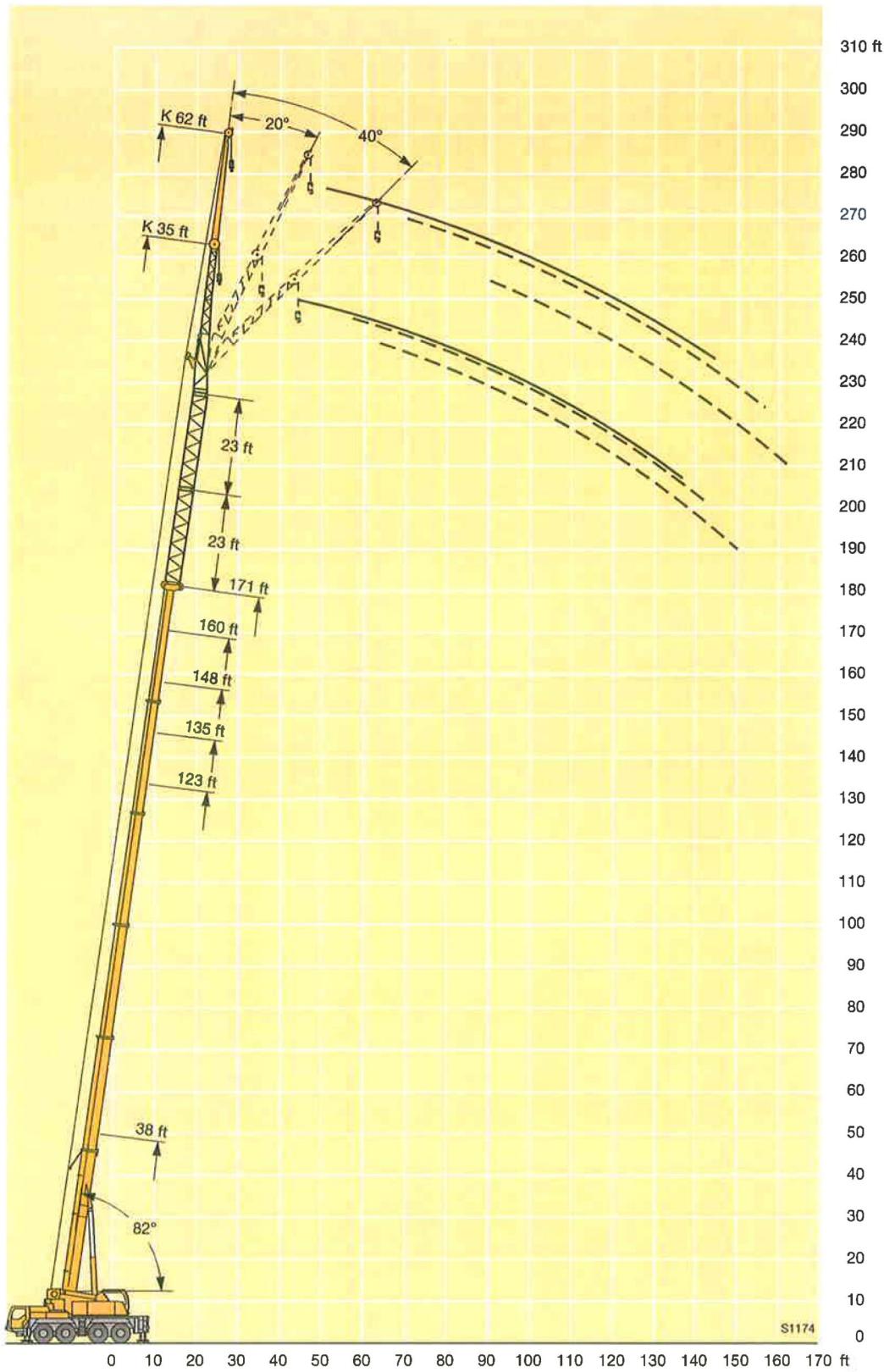
TAB 140642 / 140644 / 140646

Lifting capacities on the hydraulically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique avec télescopage rallongé

TAB 140642 / 140644 / 140646

Lifting heights Hauteurs de levage

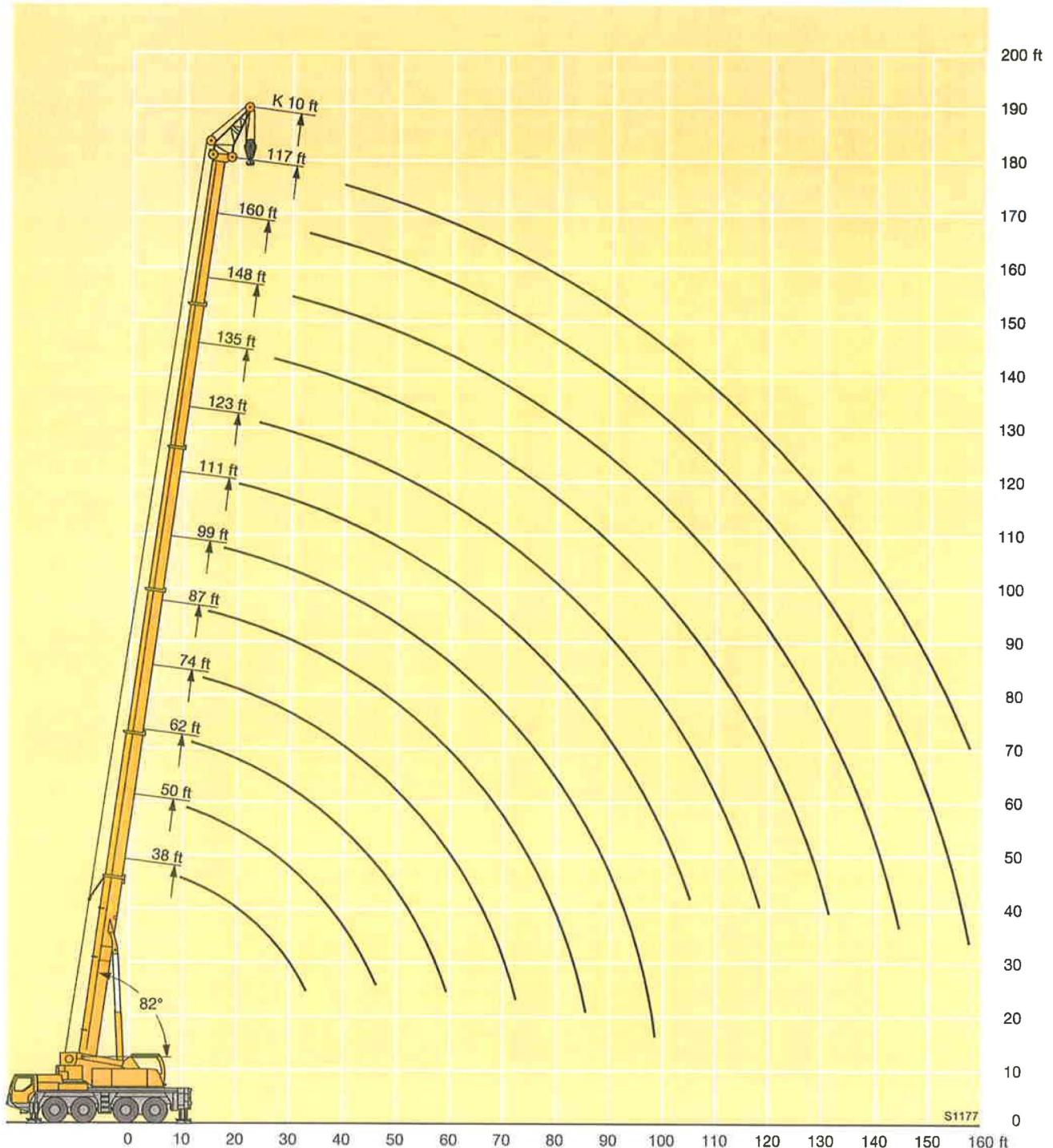


Lifting capacities on the erection jib
Forces de levage à la bâche de montage

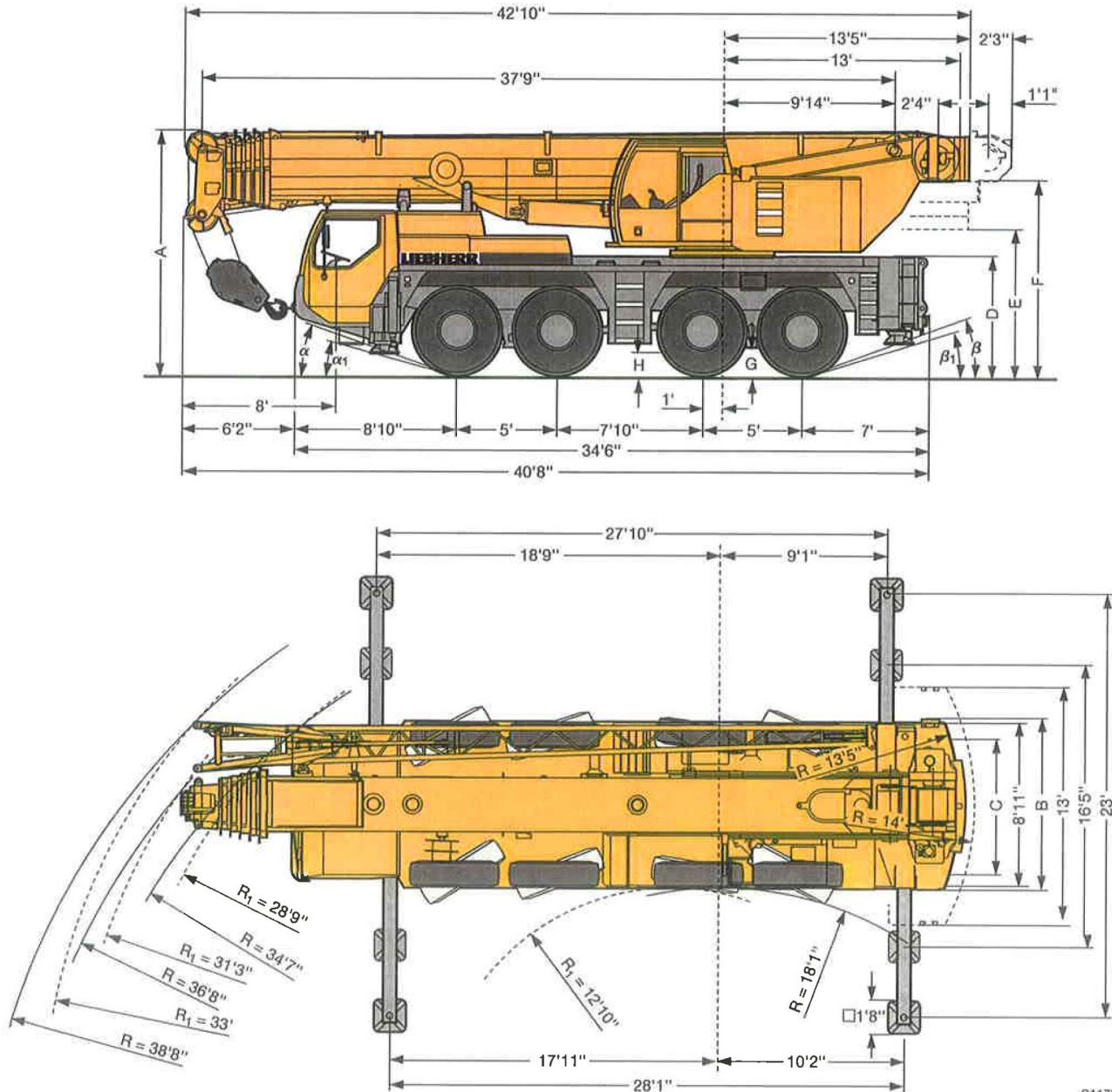
	38 - 171 ft	10 ft	Table	360°	48500 lbs	85%							
ft	38 ft	50 ft	62 ft	74 ft	87 ft	99 ft	111 ft	123 ft	135 ft	148 ft	160 ft	171 ft	ft
9	76.5												9
10	76.5												10
11	76.5	76.5	76.5										11
12	76.5	76.5	76.5										12
13	76.5	76.5	76.5	76.5									13
14	76.5	76.5	76.5	76.5	76.5								14
15	76.5	76.5	76.5	76.5	76.5								15
16	76.5	76.5	76.5	76.5	76.5	76.5							16
17	76.5	76.5	76.5	76.5	76.5	76							17
18	76.5	76.5	76.5	76.5	76.5	76	60.5						18
20	76.5	76.5	76.5	76.5	76.5	75	60.5						20
22	76.5	76.5	76.5	76.5	76.5	72	59.1	52.5					22
24	76	76.5	76.5	76.5	76	69.5	57.7	51.8					24
26	76	76.5	76.5	76.5	75.5	66.5	56.4	50.5	42.2				26
28	74	76.5	76	73.5	72	63.5	55	49.2	41.4	34.3			28
30	72.5	75	74	69.5	67.5	60.5	53.5	47.8	40.6	34.1			30
32	69.5	70.5	68	64	62	57.5	51.8	46	39.8	33.6	26.9		32
34	66	63	59.5	57.8	54.6	49.9	44.4	38.8	33.1	26.7			34
36		61.5	58.5	55.4	53.9	51.7	47.9	42.8	37.6	32.6	26.3		36
38		57	54.2	51.3	50	48.8	45.9	41.3	36.4	32.1	25.8	20.6	38
40		52.9	50.3	47.6	46.7	46	43.8	39.7	35.2	31.6	25.4	20.5	40
45		45	42.9	40.5	41.8	39.8	38.1	35.6	32.5	29.9	24.3	19.6	45
50			37	36.3	36.7	34.7	33.2	32	29.8	28.2	23.3	18.7	50
55				32	33	32.3	30.4	29.6	28.5	27.3	26.1	22.4	17.8
60					29.9	28.6	27	26.8	25.2	25	23.7	21.5	17
65						26.3	25.5	25.1	24	23.1	22.4	21.4	20.7
70						23.4	22.8	22.9	22	21.1	20.3	19.9	18.9
75							20.3	20.7	20	19.3	18.6	18.3	17
80							18.2	18.5	18	17.7	17.3	16.5	15.3
85							16.3	16.6	16.5	16.1	15.7	14.9	13.7
90								15	15.1	14.9	14.1	13.4	12.2
95								14	13.8	13.5	12.7	12.1	11.2
100									12.6	12.3	11.6	10.9	10.1
105										11.2	10.5	9.9	9.1
110											10.4	9.6	9
115											9.5	8.8	8.2
120												8.1	7.5
125												7.4	6.8
130												6.7	6.2
135													5.5
140													4.9
145													3.5
150													3
155													2.5

TAB 140536

Lifting heights Hauteurs de levage



Dimensions Encombrement



R₁ = All-wheel steering / Direction toutes roues

S1170

	A	A 0'6"	B	C	D	E	F	G	H	α	α_1	β	β_1
16.00 R 25	13'1"	12'8"	9'	7'	6'4"	7'10"	10'6"	1'5"	1'6"	20°	15°	20°	17°
20.5 R 25	13'1"	12'8"	9'9"	7'11"	6'4"	7'10"	10'6"	1'5"	1'6"	20°	15°	20°	17°

* lowered / abaissé

Weights Poids



Axle Essieu	1	2	3	4	Total weight (lbs) Poids total lbs
Ibs	26400	26400	26400	26400	105600 ¹⁾

¹⁾ with 1760 lbs counterweight and folding jib / avec contrepoids 1760 lbs et flèchette pliante



Load (kips) Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
238	7	14	2600
198	5	11	1540
130	3	7	1100
57	1	3	990
19.4	-	1	550

Working speeds Vitesses



16.00 R 25 20.5 R 25	km/h	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
3.5	4.5	5.8	7.5	9.4	12.2	16	20.6	26.5	34	43.2	50	3.8	4.8	53.1 %		
1.6	2.1	2.6	3.4	4.3	5.5	7.2	9.3	11.9	15.3	19.5	25	1.7	2.2	61.7 %		



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 - 360 ft/min single line ft/min au brin simple	0'8" / 656'	19400 lbs
(2)	0 - 360 ft/min single line ft/min au brin simple	0'8" / 656'	19400 lbs
360°	0 - 1.8 rpm		
	approx. 60 seconds to reach 82° boom angle env. 60 s jusqu'à 82°		
	approx. 360 seconds for boom extension from 38 ft - 171 ft env. 360 s pour passer de 38 ft - 171 ft		

Equipment Équipement

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.	Crane drive	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination Indicator.	Control	Electric "Load Sensing" control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Engine	6-cylinder Diesel, make Liebherr, type D846 A7, watercooled, output 350 kW (476 h.p.) at 1900 min ⁻¹ , max. torque 1637 lbs·ft at 1200 – 1500 min ⁻¹ . Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 106 gallons.	Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Transmission	ZF 12-speed gear box with automatic control system AS-TRONIC. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.	Luffing gear	1 differential ram with safety check valves.
Axes	Welded design, made of high-tensile fine grained steel. All Axles steerable. Axles 2, 3 and 4 are planetary axles with differential locks.	Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Suspension	All axles are mounted on hydropneumatic suspension and are lockable hydraulically.	Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Tyres	8 tyres, size: 16.00 R 25.	Safety devices	LICCON safe load indicator, test system hoist limit switch, safety valves to prevent pipe and hose ruptures.
Steering	ZF-servocom power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit. At road travel, the 4 th axle is steered electrohydraulically, and fixed for straight travel from 15,5 mph onwards. Steering acc. to EG directive 70/311/EWG.	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: 38 ft – 171 ft.
Brakes	Service brake: Dual circuit, all-wheel servo-air brake. Parking brake: Spring brake actuator, acting on the wheels of the 1 st , 2 nd and 3 rd axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear. ABV in conjunction with ASR. Brakes acc. to EG directives 71/320 EWG.	Counterweight	26400 lbs basic counterweight.
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 EG directive, safety glazing, operating and control instruments, comfortably equipped.	Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.
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 engine	4-cylinder Diesel, make Liebherr, type D934S A6, watercooled, output 145 kW (197 h.p.) at 1800 min ⁻¹ , max. torque 678 lbs·ft at 1100 min ⁻¹ – 1500 min ⁻¹ . Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 70 gallons.

Additional equipment

Swing-away jib	35 ft – 62 ft long, mountable to the telescopic boom at 0°, 20° or 40°. Hydraulic ram for operating the swing-away jib from 0° – 40° (option).
Erection jib	10 ft
Telescopic boom extension	23 ft – 46 ft long lattice section, thus 23 ft – 46 ft higher pining point for swing-away jib.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Additional counterweight	22050 lbs for a total counterweight of 48500 lbs.
Tyres	8 tyres, size 20.5 R 25.
Drive 8 x 8	Additional drive of the 1 st axle.

Other items of equipment available on request.

Equipment Équipement

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.	Moteur	Moteur diesel Liebherr, 4 cylindres, de type D934S A6, à refroidissement par eau, de 145 kW (197 ch) à 1800 min ⁻¹ , couple max. 678 lbs·ft à 1100 min ⁻¹ – 1500 min ⁻¹ . Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 70 gallons.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.	Entraînement de la grue	Diesel hydraulique avec 2 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, de type D846 A7, à refroidissement par eau, de 350 kW (476 ch) à 1900 min ⁻¹ , couple max. 1637 lbs·ft à 1200 – 1500 min ⁻¹ . Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 106 gallons.	Direction	Direction électrique «Load Sensing», 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Boîte de vitesses	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande AS-TRONIC. Ralentiisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.	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.
Essieux	Construction soudée en acier à haute résistance fins grains. Tous les essieux directeurs. Essieux 2, 3 et 4 planétaires avec blocage différentiel.	Mécanisme de relevage	1 vérin différentiel avec soupapes de retenue.
Suspension	Suspension hydropneumatique sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.	Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.
Pneumatiques	8 pneus de taille: 16.00 R 25.	Cabine du grutier	Construction en tôle d'acier entièrement zinguée avec peinture par poudrage et cuissage au four, avec glaces de sécurité, appareils de commande et de contrôle, équipement confortable, cabine inclinable vers l'arrière.
Direction	Direction hydraulique ZF-servocom, à deux circuits, assistée hydrauliquement, avec pompe auxiliaire entraînée par essieu. Lors de déplacement routier, le 4ème essieu est dirigé électrohydrauliquement, et fixé en marche directe à partir de 15,5 mph. Direction conforme aux directives européennes 70/311/CE.	Dispositif de sécurité	Contrôleur de charge «LICCON», système test limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Freins	Freins de service: servofrein à air comprimé, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 1, 2 et 3. Freins continus: frein moteur par clapet sur échappement avec système de ralentiissement Liebherr ZBS. Ralentiisseur hydrodynamique accouplé à la boîte de vitesses. ABV avec contrôle ASR. Freins conformes aux directives européennes 71/320 CE.	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: 38 ft – 171 ft.
Cabine du conducteur	Cabine spacieuse en tôle d'acier, traitement anticorrosion par bain de cataphoresé, 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.	Contrepoids	Contrepoids principal de 26400 lbs.
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.	Installation électrique	Technique moderne de transmission de données par BUS de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

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.	Fléchette pliante	Longueur: 35 ft – 62 ft, montable sous un angle de 0°, 20° ou 40°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 40° (en option).
		Fléchette de montage	10 ft
		Rallonge flèche télescopique	Elément en treillis de 23 ft – 46 ft, de cette manière point d'articulation plus haute de 23 ft – 46 ft pour la flèche pliante.
		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	22050 lbs pour un contrepoids total de 48500 lbs.
		Pneumatiques	8 pneus. Taille: 20.5 R 25.
		Entraînement 8 x 8	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. Lifting capacities are subject to modifications.
9. Lifting capacities above 183 kips only with special equipment.

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. Les forces de levage sont modifiables sans préavis.
9. Forces de levage plus de 183 kips seulement avec équipement supplémentaire.

Subject to modification / Sous réserve de modifications

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