

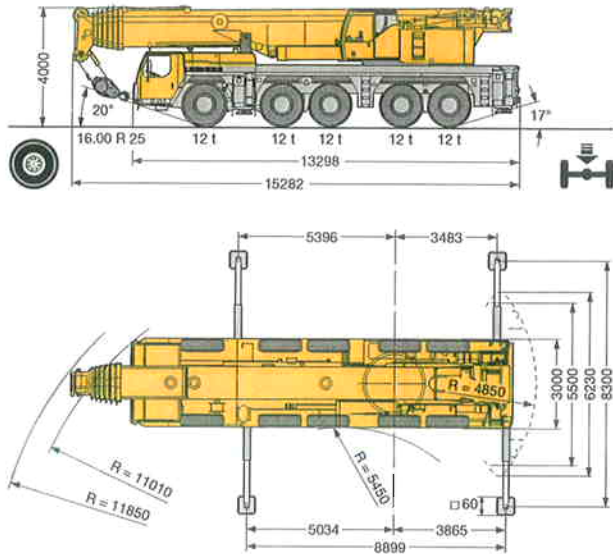
Mobile crane Product advantages

LTM 1200-5.1

Max. load capacity: 200 t
Max. height under hook: 98 m
Max. radius: 82 m

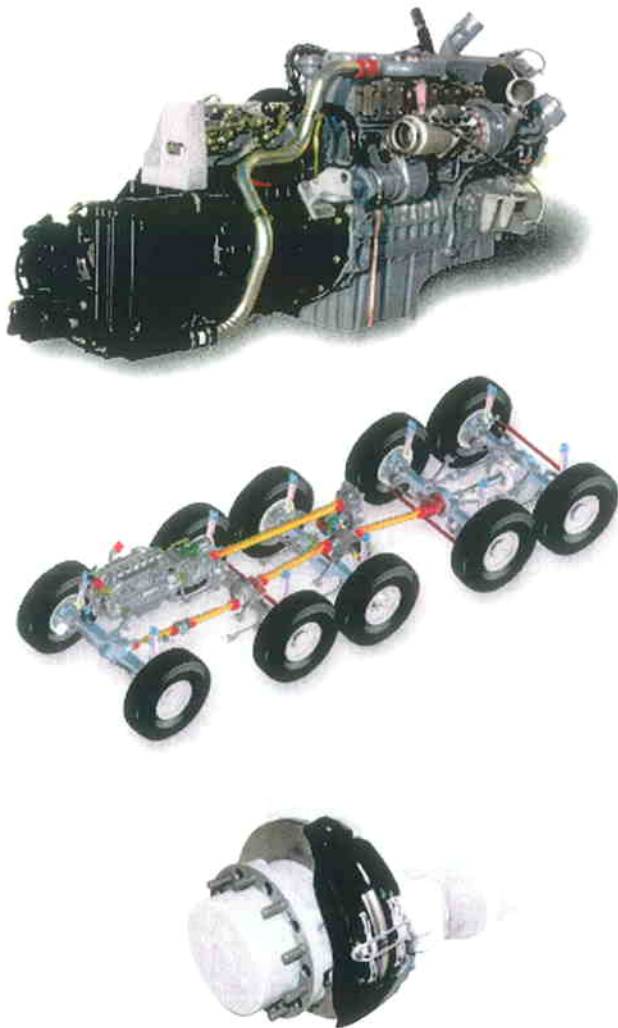


LIEBHERR



Compact, maneuverable and weight-optimized

- Overall length 15.28 m, carrier length 13.3 m
- Large overhang angles of up to 20°
- Smallest turning radius of 11.01 m with all-wheel steering
- Rear counterweight radius only 4.85 m
- 60 t total weight incl. drive 10 x 8, tyre size 16, hook block 31.2 t (axle load 5 x 12 t)
- 3 optional tyre sizes
 - 14.00 R 25 carrier width 3 m
 - 16.00 R 25 carrier width 3 m
 - 20.5 R 25 carrier width 3.1 m



Modern drive concept

- Powerful, 6-cylinder Liebherr turbo-charged Diesel engine type D846 A7, 370 kW/503 h.p, exhaust gas emissions correspond to the directives 97/68/EG stage 3 and EPA/CARB Tier 3, robust and reliable, modern, electronically controlled engine management
- ZF power shift gear with automated control system AS-TRONIC. ZF intarder fitted directly to the gear unit, 12 forward and 2 reverse gears, automated control, reduced fuel consumption due to a great number of gears
- 2-step, robust transfer case with lockable transfer differential, creeping speed 0.78 km/h
- Drive 10 x 6, axles 2, 4 and 5 driven
- Drive 10 x 8 (optional), axles 2, 4 and 5 driven, axle 1 activatable for off-road displacement
- Weight-optimized, robust axles of minor maintenance, perfect track keeping and lateral stability due to special arrangement of the steering knuckles, steel- and rubber mounted
- Maintenance-free cardan shafts; easy and quick fitting due to 70° diagonal toothing
- Hydropneumatic suspension "Niveumatik", program-controlled for "setting crane on outriggers", "crane displacement with equipment" and for "road displacement of the crane", suspension travel +150/-150 mm
- Lateral force released and maintenance-free suspension rams, protected against damage by synthetic pipes
- Sustained-action brakes:
 - Engine brake as exhaust retarder with Liebherr additional brake system (ZBS), Intarder on gear, Telma-type eddy current brake (optional)
- Service brake:
 - All axles fitted with air disc brakes, high braking performance, long maintenance intervals, rapid-change brake linings

Variable steering concept with "active rear-axle steering"

Axes 3, 4 and 5 set up as "active rear-axle steering, 6 steering methods are preselectable by fixed programs (P):

P1 On-road steering

Axes 1 and 2 are steered mechanically with hydraulic assistance by the steering wheel. Axes 3, 4 and 5 are steered "actively" speed-dependent according to the cramp of the front axes, and over 30 km/h, axes 3 and 4 are set to straight displacement and fixed, from 60 km/h, axle 5 is fixed equally to straight displacement. The change of the steering angle in accordance with the speed, results in a precise and stable driving quality during higher speeds, tyre abrasion is reduced and the maneuverability clearly improved.

P2 All-wheel steering

Axes 3, 4 and 5, dependent on the steering angle of axle 1 are cramped by means of the steering wheel so that the smallest turning radii can be performed.

P3 Crab steering

Axes 3, 4 and 5 are cramped into the same direction as axes 1 and 2 by means of the steering wheel.

P4 Steering without swerving

Axes 3, 4 and 5 are cramped in accordance with axle 1 so that no swerve out of the rear of the carrier takes place.

P5 Independent rear-axle steering

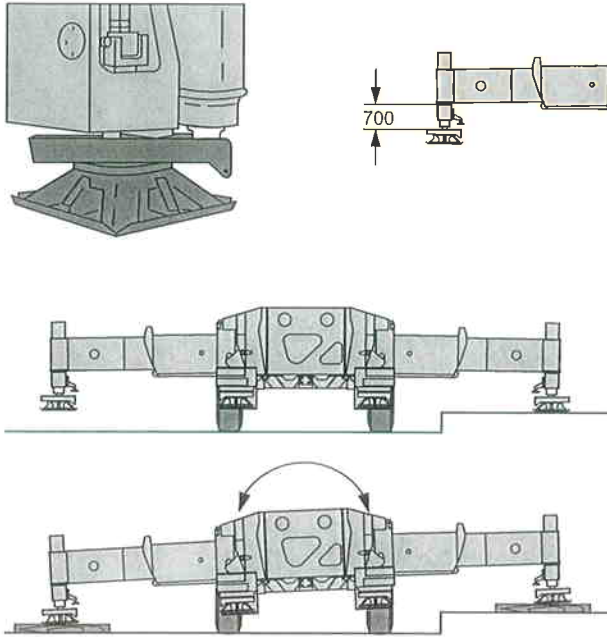
Axes 1 and 2 are cramped by the steering wheel, axes 3, 4 and 5 steered independent of the cramp of axes 1 and 2 by momentary-contact buttons, whereby the cramp of axle 3 is adapted to the required situation.

P6 Rear-axle steering locked

Axes 3, 4 and 5 are not steerable.

- A failure in the rear-axle steering does make it ineffective and the rear axes are set to straight displacement by the centering rams
- Two independent hydraulic circuits with wheel- and engine driven hydraulic pump, thus maximum safety standard
- Two independent control processors (by existing E/A modules) and diversified sensoriel system
- Entire know-how of the "active rear-axle steering" by Liebherr





Setting crane on outriggers - quick, convenient and safe

- Variable supporting basis
 - Outriggers retracted
 - Supporting basis 5.5 m x 8.9 m
 - Supporting basis 8.3 m x 8.9 m
- Fix-mounted supporting pads with splash guard
- Travel of supporting ram of up to 700 mm
- Level control of the outriggers, all-automatic levelling of the crane during the supporting procedure by "push-button"
- 2 x 9° lateral inclination of crane and crane superstructure
- Control panels at either side of the carrier with membrane keyboard and electronic inclination indicator, push-buttons for ENGINE/START/STOP and speed control are illuminated and lockable
- Operation of the outrigger system in accordance with the rules for the prevention of accidents
- Illumination of the supporting area by 4 incorporated projectors



Comfortable driver's cab of high functionality

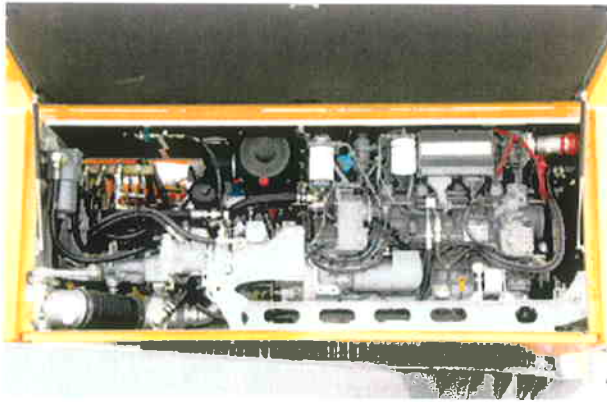
- Modern, comfortable driver's cab of high functionality and convincing design, corrosion resistant, sheet steel version, cataphoretic dip-primed, front mounted on rubber shock absorbers, rear cushioned hydraulically, internal sound and heat absorbing panelling
- Safety glass all-round, greenish tinted front and side windows for heat absorption, electric window lifters
- Arrangement of the control elements and displays according to ergonomical aspects for safe and convenient handling during continuous operation
- Digital display and keyboard units interconnected with the functional blocks by data bus technology
- Driver's seat cushioned pneumatically, with pneumatic lumbar support, headrest
- Steering wheel adjustable in height and inclination
- Heatable and electrically adjustable rear mirrors
- Safety belts for driver and co-driver
- 3 windscreen wipers with automatic wipe/wash system and intermittent control
- Delayed switch-off of the interior lights
- Various racks and stackers
- Radio preparation



Comfortable crane cab of high functionality

- Crane cab in corrosion-resistant galvanized sheet steel version, powder-coated, with sound and heat absorbing internal panelling, interior of modern design, tinted windows all-round, front knock-out window with large windscreen wiper and wipe/wash device, skylight of bullet-proof glass with large screen wiper and wipe/wash device, roller blind on front window and skylight, space-saving sliding door
- Greenish tinted front and side windows for heat absorption
- Pneumatically lateral extendable footboard for safe access to and from the carrier
- Crane cab tiltable to the rear by 20° to improve the sight
- 1 working projector of 70 Watt, at the front of the cab
- Spring-mounted and hydraulically cushioned crane operator's seat with pneumatic lumbar support and head rest
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable joystick selector consoles and armrests, ergonomically adjustable operating consoles
- Ergonomic control levers with integrated winch rotation and slewing gear signalling device
- Modern instrument supporting base with incorporated LICCON monitor, display of all essential operating data on the LICCON screen
- Radio preparation





Crane drive with field-proven components

- Crane engine: 4-cylinder Liebherr turbo-charged Diesel engine type D934S A6 of 145 kW/197 h.p, exhaust gas emissions in accordance with the directives 97/68/EG stage 3 and EPA/CARB Tier 3, robust and reliable, located opposite to the crane cab, thus less noise molestation, electronic engine management, optimized fuel consumption, exhaust gas system of special steel
- Hydraulic system with 5 axial-piston variable displacement pumps with pilot control and capacity regulation, electric controlled oil cooler as standard feature
- Standard high-efficient noise abatement of the diesel-hydraulic crane drive



Winch technology by Liebherr

- Self-manufactured Liebherr winches (hoist gear 1 and 2) with special grooving, with incorporated planetary gears and spring-mounted multi-disk brakes as static brakes
- Axial-piston fixed displacement pump of own production, specially designed for crane operation, exposed successfully to tough fatigue tests
- Display of the winch rotation on the LICCON screen
- Non-rotating hoist rope

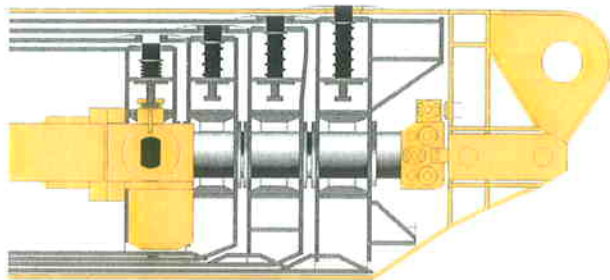
Ballasting - just a matter of minutes

- Counterweight variants 72 t, 52 t, 42 t, 32 t, 22 t and 12 t
- Control of ballasting from the crane cab
- Quick ballasting by "key-hole" method
- Compact counterweight dimensions, e.g. 52 t counterweight of only 3.75 m width
- Counterweight radius only 4.85 m

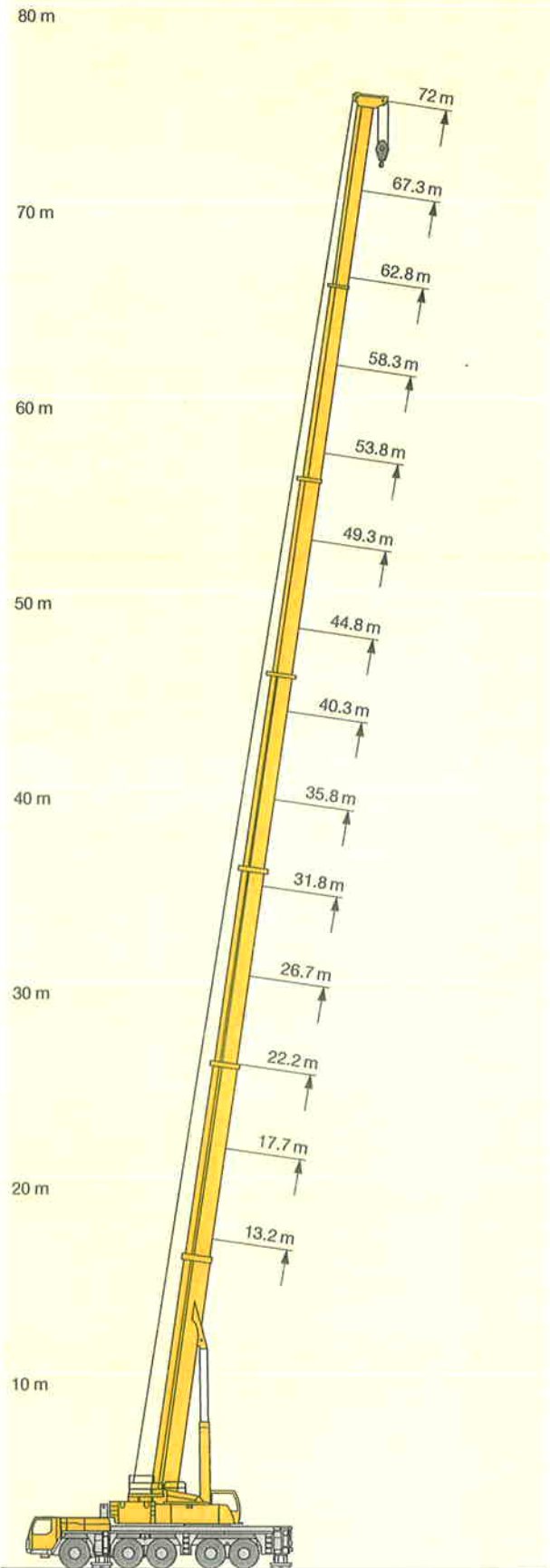
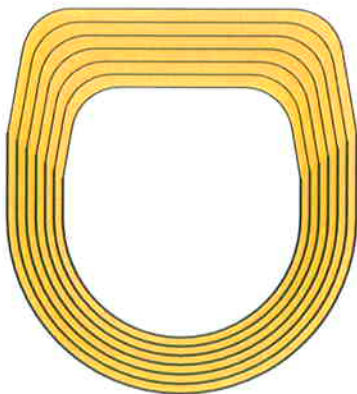


Lifting of loads - precise and safe

- 7-section, 72 m long telescopic boom and 12.2 m – 22 m long biparted swing-away jib extendable to 29 m and 36 m
- One intermediate section of 7 m for the extension of the telescopic boom at operation with swing-away jib
- Telescopic boom with rounded, oviform bottom shell, thus high lateral stability
- Optimal utilization of the telescopic boom due to a multitude of telescoping variants
- Swing-away jib mountable at 0°, 22.5° and 45°, hydraulic fitting aid, hydraulic ram for continuous variation of the swing-away jib from 0° - 45° (optional)
- Luffing under load (interpolation of the loads)
- Erection jib 5.3 m long, integrated in swing-away jib
- Easy and quick re-reeving of the hoist rope by rope dead end connection
- Load hook with rope dead end connection, cylindrical shape of the load hook for easy displacement by rolling on the ground



oviform boom profile

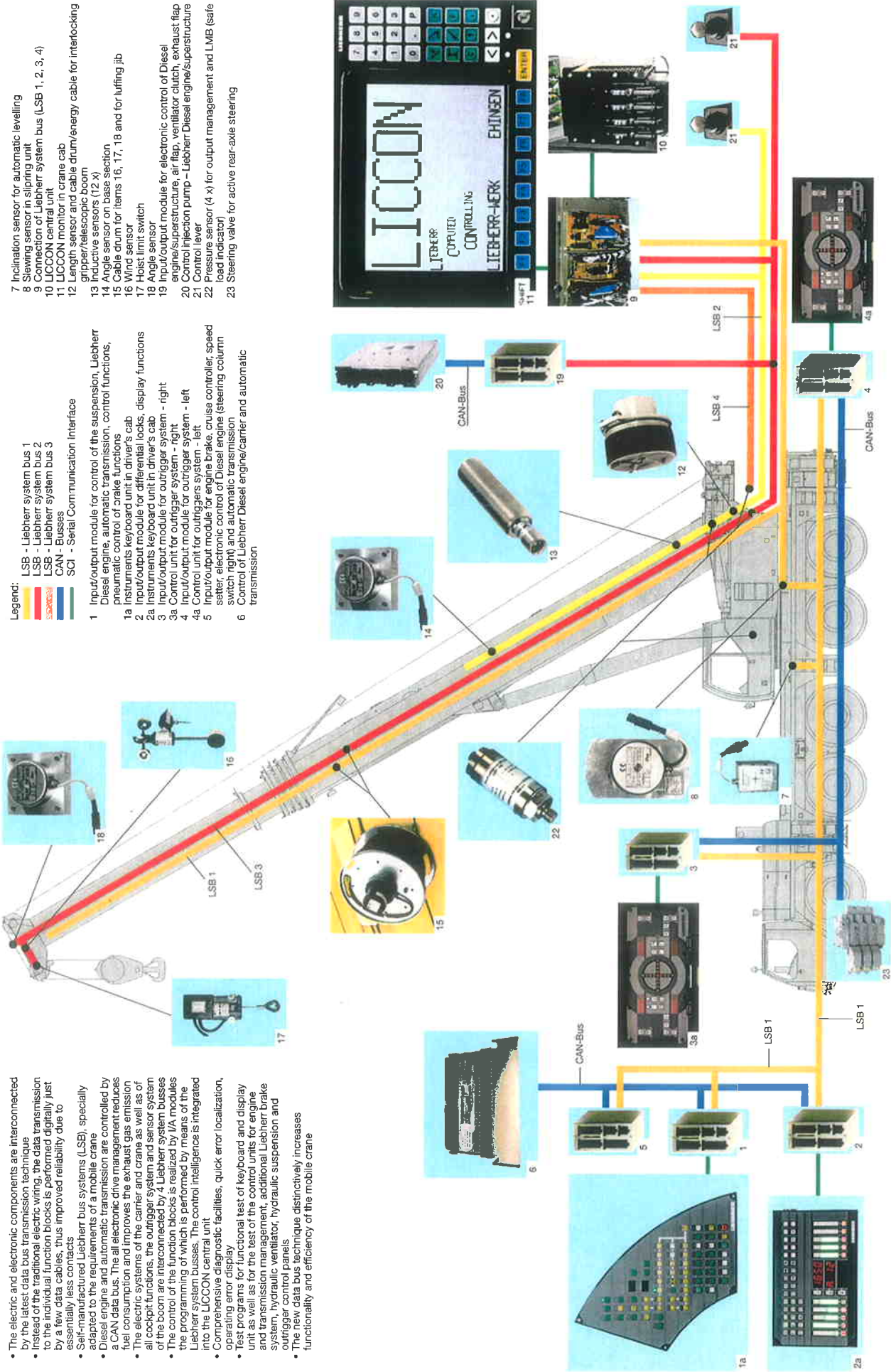


- The electric and electronic components are interconnected by the latest data bus transmission technique
- Instead of the traditional electric wiring, the data transmission to the individual function blocks is performed digitally just by a few data cables, thus improved reliability due to essentially less contacts
- Self-manufactured Liebherr bus systems (LSB), specially adapted to the requirements of a mobile crane
- Diesel engine and automatic transmission are controlled by a CAN data bus. The all electronic drive management reduces fuel consumption and improves the exhaust gas emission
- The electric systems of the carrier and crane as well as of all cockpit functions, the outrigger system and sensor system of the boom are interconnected by 4 Liebherr system buses (LSB)
- The control of the function blocks is realized by I/A modules the programming of which is performed by means of the Liebherr LICOON central unit.
- Comprehensive diagnostic facilities, quick error localization, operating error display
- Test programs for functional test of keyboard and display unit and test for the test of the control units for engine and transmission
- Hydraulic management, additional Liebherr brake system, hydraulic ventilator, hydraulic suspension and outrigger control panels
- The new data bus technique distinctively increases functionality and efficiency of the mobile crane

- Legend:**
- LSB - Liebherr system bus 1
 - LSB - Liebherr system bus 2
 - LSB - Liebherr system bus 3
 - CAN - Busses
 - SCI - Serial Communication Interface

- 1 Input/output module for control of the suspension, Liebherr Diesel engine, automatic transmission, control functions, pneumatic control of brake functions
- 1a Instruments keyboard unit in driver's cab
- 2a Instruments keyboard unit in driver's cab
- 3 Input/output module for differential locks, display functions
- 3a Control unit for outrigger system - right
- 4 Input/output module for outrigger system - left
- 5 Input/output module for engine brake, cruise controller, speed setter, electronic control of Diesel engine (steering column switch right) and automatic transmission
- 6 Control of Liebherr Diesel engine/camier and automatic transmission

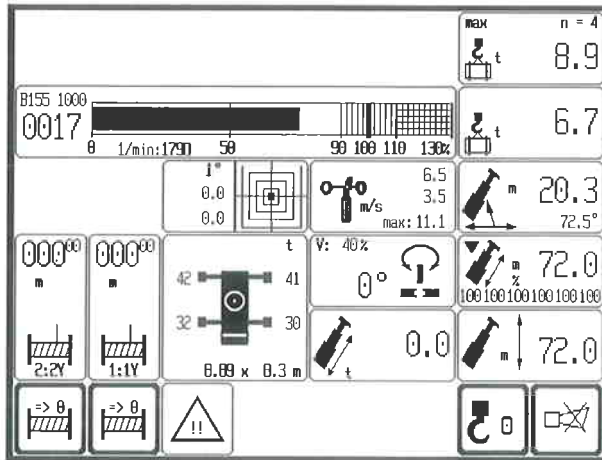
- 7 Inclination sensor for automatic levelling
- 8 Slewing sensor in slipping unit
- 9 Connection of Liebherr system bus (LSB 1, 2, 3, 4)
- 10 LICOON central unit
- 11 LICOON monitor in crane cab
- 12 Length sensor and cable drum/energy cable for interlocking gripper/telescopic boom
- 13 Inductive sensors (12 x)
- 14 Angle sensor on base section
- 15 Cable drum for items 16, 17, 18 and for luffing jib
- 16 Wind sensor
- 17 Hoist limit switch
- 18 Angle sensor
- 19 Input/output module for electronic control of Diesel engine/superstructure, air flap, ventilator clutch, exhaust flap
- 20 Control injection pump - Liebherr Diesel engine/superstructure
- 21 Control lever
- 22 Pressure sensor (4 x) for output management and LMB (safe load indicator)
- 23 Steering valve for active rear-axle steering



LICCON configuration and operation program

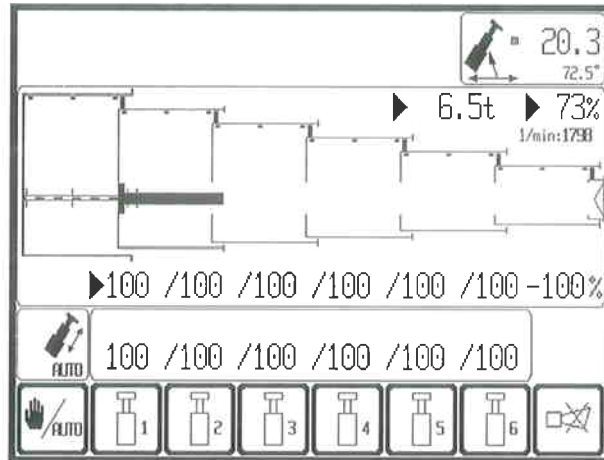
- Standard application programs: Safe load indicator (LMB), configuration program with configuration picture, operation program with operating picture, telescoping program with telescoping picture, test parameter program, test system; supporting force indication and work area limitation as an optional feature
- Setting of the configuration program by convenient interactive functions
- Safe and reliable acknowledgement of the configuration set
- Representation of all essential data by graphic symbols on the operation picture
- With integrated wind force test
- Reliable cutoff device when exceeding the admissible load moments
- Load capacity values for any boom intermediate length
- Winch indications for precise lifting/lowering of the load

		CODE>0017<B155 1000.2(5)						
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9,0						49,0	43,5	37,5
10,0						49,0	43,0	37,0
11,0						49,0	43,0	37,0
12,0	15,6	14,3				49,0	43,0	36,5
14,0	14,9	13,5	12,6	10,6	44,5	43,0	36,0	
16,0	14,1	12,7	12,1	10,0		38,0	36,0	
18,0	13,2	11,9	11,5	9,5		33,0	32,5	
20,0	12,4	11,2	10,9	9,0			28,1	
* n *	* 2 *	* 2 *	* 2 *	* 1 *	* 5 *	* 5 *	* 5 *	* 5 *
54(101)	<<							>>
1	92 +	46 +	92 +	100 +	0 +	0 +	0 +	
2	92 +	92 +	92 +	100 +	0 +	0 +	46 -	
3	92 +	92 +	92 +	100 +	0 +	46 -	46 +	
4	92 +	92 +	92 +	100 +	46 -	46 +	46 +	
5	92 +	92 +	92 +	100 +	0 +	0 +	0 +	
6	46 +	92 +	92 +	100 +	0 +	0 +	0 +	



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 the interlocking positions
- Telescopable loads are displayed on the LICCON operating picture
- Rapid-cycle telescoping system with "automatic mode", i.e. all-automatic telescoping to the required boom length
- Very compact and light-weight telescoping system, thus increased load capacities, especially with long booms and large radii
- Automatic cushioning in end positions during telescoping and retracting for the preservation of the structural members



The LICCON test system

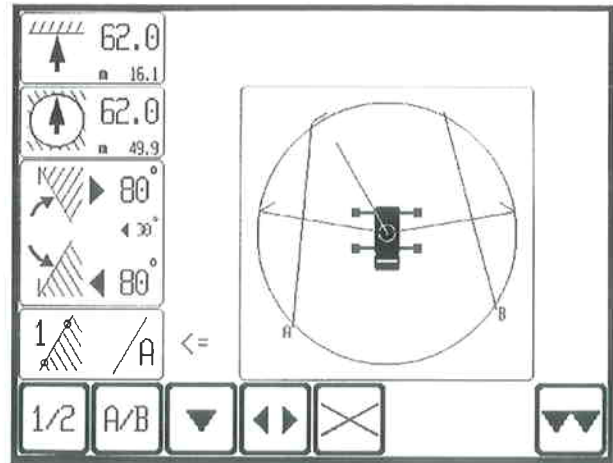
- The test system assists the servicing personnel in quickly localizing failures of the crane sensory system without the need of measuring instruments
- The service starts on the display screen, troubleshooting becomes a matter of minutes
- Occurring errors are indicated by error codes and error descriptions on the display screen
- Convenient interactive functions permit the observation of all inputs and outputs of the entire system by different representations on the display screen even during crane operation. It equally visualizes the allocation of the individual sensors and actuators of the system and their functions

SYSTEM-FUNKTION: AUSGANG		GRUPPE	I-SOLL	I-IST
A 0.n	DOKUMENTATION	0		
A 0.0 :	LMB >100%, Ueberbrueckg. - Klingel (D)	1	500	520 mA
A 0.1 :	LMB >90%, Vorwahl Klingel (D)	0	0	0 mA
A 0.2 :	Pumpe 10 nach TY (D)	0	0	20 mA
A 0.3 :	Druckversorgung Hilfsverbraucher (D)	0	0	20 mA
A 0.4 :	Drehen Freilauf (D)	0	0	0 mA
A 0.5 :	Drehen Bremse (D)	0	0	0 mA
A 0.6 :	Drehen rechts (A)	0	0	20 mA
A 0.7 :	Drehen links (A)	0	0	20 mA

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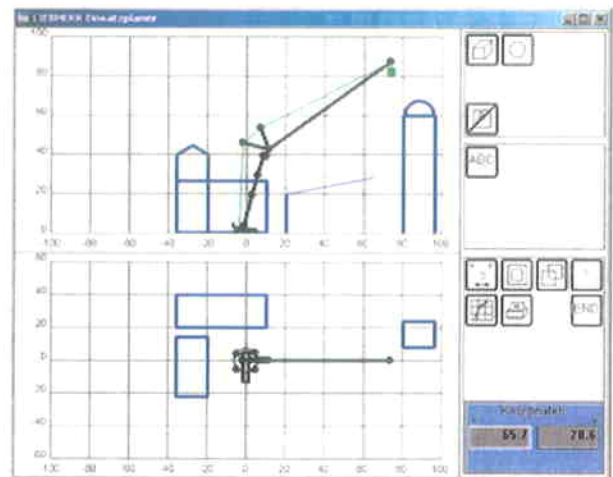
The LICCON work area limitation system

- It relieves the crane operator, especially in situations where the handling of loads requires his full attention, by controlling the work area limits. Work areas can be restricted by buildings, bridges, roofs, high-tension power lines, pipe lines or adjacent cranes. The automatic work area limitation system (optional), can easily be programmed. Four different limitation functions are practicable:
 - Height limitation of the pulley head
 - Radius limitation
 - Slewing angle limitation
 - Limitation of edges



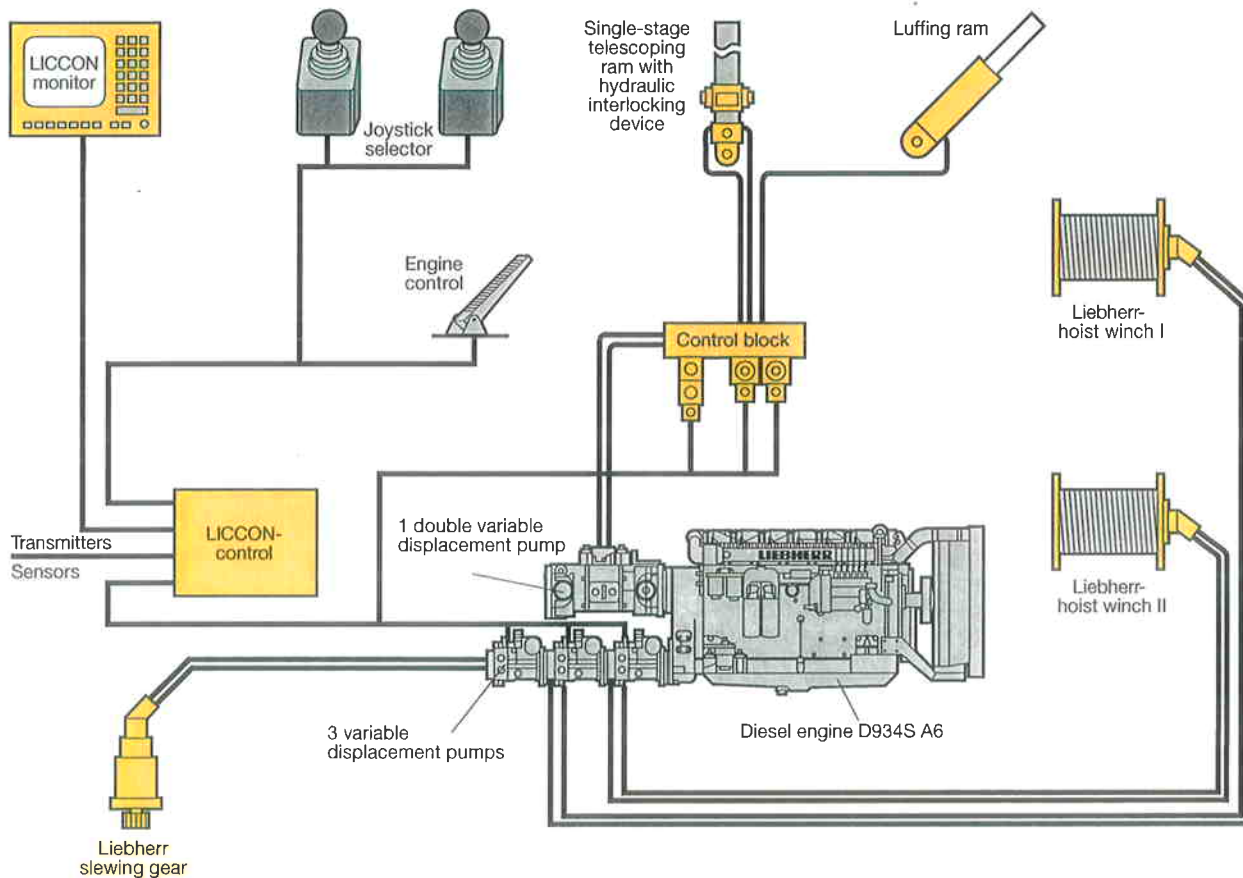
The LICCON work planner

- The LICCON work planner consists of a software program on CD for planning, simulation and documentation of crane applications on the display screen (optional)
- The 2D planner program enables the drawing of buildings, to write texts and to represent a crane model true to scale including the entire motions within a fictional construction site
- The work planner permits the preparation of more transparent offers, facilitates the briefing of crane operators and can be run on a Laptop at the construction site



Electric/electronic PLC crane control with test system

- Control of the winches, slewing gear and the luffing and telescoping motions by the LICCON computer system (PLC control)
- Four working motions can be performed independent from one another
- Speeds for lifting/lowering, luffing and slewing preselectable by 5 steps
- Very short response rates at the activation of crane motions
- Hoist gear and slewing gear are operating within a "closed oil circuit". This enables very sensitive lifting/lowering of loads, or slewing. Moreover, during lowering of the load, the generated potential energy is not converted into heat but can be re-employed, for a 2nd motion. This saves fuel and the oil is less thermally exposed than by operation within the open circuit.
- Functional test of all essential components by means of the LICCON test system



Optional features contribute to an expansion of the application spectrum and increase comfort and safety

- | | |
|--|--|
| <p>On the carrier</p> <ul style="list-style-type: none"> • Additional heater with engine preheating • Eddy-current brake • Supporting force indicator on the carrier and in the operator's cab • Stow-away box • Air-conditioning system • Trailer coupling D12/D19 • Radio preparation • Seat heating for driver's and co-driver's seat • CD radio set | <p>On crane superstructure</p> <ul style="list-style-type: none"> • Additional heater with engine preheating • 2nd hoist gear • Air-conditioning system • Seat heating • Work area limitation • Aircraft warning light • Working projectors (xenon) – electric adjustment – on the boom base section • GSM module for tele-diagnostic • CD radio set • Emergency actuation |
|--|--|

Further optional features by request.

Subject to modifications.

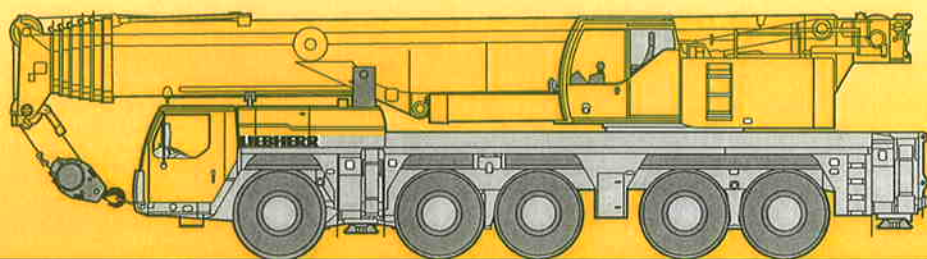
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Mobile Crane Grue mobile

LTM 1200-5.1

Technical Data
Caractéristiques techniques



LIEBHERR







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

		43 - 236 ft		360°		159000 lbs		85%															
		ft																					
		43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft	ft							
8			332														8						
10	470	331	295														10						
12	328	315	295	295	259												12						
14	303	288	286	282	256	207											14						
16	271	265	261	253	243	205	170										16						
18	250	245	242	234	227	202	169										18						
20	232	227	226	217	214	198	168	127	97								20						
24	202	198	199	191	188	183	162	126	96								24						
28	174	173	176	170	168	163	155	120	91.5	73.5							28						
32	143	143	157	153	151	147	145	115	86	71.5	59.2						32						
36			140	139	137	133	132	110	79.5	67.5	57.5	46.7					36						
40			125	127	125	122	121	104	74.5	63.5	54.8	45.2	37.7	30.6	25.7		40						
47				106	105	105	105	95.5	65.5	57.1	49.9	42.1	35.8	30.4	25.4		47						
54				88.5	88.5	90	88.5	86.5	58.8	51.3	45.4	39	33.6	28.9	24		54						
61					76	77	76.5	77	52.5	46.6	41.2	36.1	31.5	27.4	22.6		61						
68					67.5	67	68	67	47.4	42.2	37.7	33.4	29.4	25.9	21.4		68						
75					54.3	58.5	60	58.6	42.9	38.4	34.3	30.9	27.5	24.5	20		75						
82						52.1	53.3	51.7	39.1	35.1	31.4	28.5	25.8	23.1	18.5		82						
89						43.9	47.5	45.8	36.4	32.1	28.9	26.3	24.2	21.7	17.2		89						
96							42.6	40.9	34.3	29.5	26.5	24.5	22.6	20.3	15.9		96						
103							36.1	36.6	32.6	27	24.6	22.7	21	19	14.7		103						
110								33.1	31	24.9	22.9	21	19.4	17.9	13.5		110						
117								29.1	29.6	23.2	21.2	19.5	17.9	16.8	12.5		117						
124									28.5	21.9	19.6	17.9	16.7	15.7	11.6		124						
131									26.2	21	18	16.5	15.5	14.7	10.7		131						
138									20.2	16.5	15.4	14.4	13.8	9.9			138						
145									19.1	15.3	14.3	13.4	13	9.2			145						
152										14.5	13.3	12.6	12.2	8.6			152						
159											12.5	11.9	11.5	7.9			159						
166											11.8	11.1	10.8	7.2			166						
173												10.5	10.2	6.7			173						
180												10	9.6	6.2			180						
187												9.6	9.1	5.6			187						
194													8.6	5.2			194						
201													8.2	4.8			201						
208														4.4			208						
215														4			215						

* over rear / en arrière

TAB 1555401 / 1555408

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

		 43 - 236 ft				 360°		 115000 lbs		85%							
		 ft										 ft					
		43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft		
8		332															8
10		331	295														10
12		314	295	295	259												12
14		287	285	282	256	207											14
16		263	261	253	243	205	170										16
18		243	242	234	227	202	169										18
20		225	225	217	214	198	168	127	97								20
24		195	196	191	188	183	162	126	96								24
28		170	172	170	168	163	155	120	91.5	73.5							28
32		143	150	150	149	143	138	115	86	71.5	59.2						32
36			131	131	128	125	119	110	79.5	67.5	57.5	46.7					36
40			115	116	112	110	104	103	74.5	63.5	54.8	45.2	37.7	30.6	25.7		40
47				94	94	89	89	84	65.5	57.1	49.9	42.1	35.8	30.4	25.4		47
54				78.5	78	75.5	74.5	70	58.8	51.3	45.4	39	33.6	28.9	24		54
61					66	67	63.5	59.8	52.5	46.6	41.2	36.1	31.5	27.4	22.6		61
68					56.1	57.7	55	51.6	47.4	42.2	37.7	33.4	29.4	25.9	21.4		68
75					48.3	49.8	48.2	45.1	42.5	38.4	34.3	30.9	27.5	24.5	20		75
82						43.5	42.4	39.7	38.7	35.1	31.4	28.5	25.8	23.1	18.5		82
89						38.3	37.2	35.2	35.8	31.6	28.9	26.3	24.2	21.7	17.2		89
96							32.9	31.1	32.4	28.6	26.5	24.5	22.6	20.3	15.9		96
103							29.3	27.4	29.1	26.3	24.3	22.7	21	19	14.7		103
110								24.2	25.9	24.5	21.8	21	19.4	17.9	13.5		110
117								21.5	23.1	23.2	19.8	19.5	17.9	16.8	12.5		117
124									20.7	21.5	18.5	17.6	16.7	15.7	11.6		124
131									19.7	19.3	16.9	15.7	15.5	14.7	10.7		131
138										17.4	15.7	14.8	14.4	13.8	9.9		138
145										15.7	15.1	13.9	13	13	9.2		145
152											14.4	12.8	12.2	12.1	8.6		152
159												11.4	11.6	11	7.9		159
166												10.2	10.9	9.8	7.2		166
173													9.8	8.6	6.7		173
180													8.8	7.5	6.2		180
187													7.8	6.6	5.6		187
194														5.7	5.2		194
201														4.9	4.8		201
208															4.2		208
215															3.5		215

TAB 1555409

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

		43 - 236 ft		360°		93000 lbs		85%									
		43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft		
8	332															8	
10	331	295														10	
12	313	295	295	259												12	
14	285	285	282	256	207											14	
16	261	260	253	243	205	170										16	
18	241	241	234	227	202	169										18	
20	223	224	217	214	198	168	127	97								20	
24	192	193	190	187	179	161	126	96								24	
28	164	166	165	158	150	143	120	91.5	73.5							28	
32	140	142	139	131	128	120	115	86	71.5	59.2						32	
36		122	118	115	109	107	101	79.5	67.5	57.5	46.7					36	
40		108	102	101	95.5	94.5	89	74.5	63.5	54.8	45.2	37.7	30.6	25.7		40	
47			84.5	81	81	77	72.5	65.5	57.1	49.9	42.1	35.8	30.4	25.4		47	
54			68.5	68	67.5	64	60	57.1	51.3	45.4	39	33.6	28.9	24		54	
61				59.2	57.5	54.4	50.9	48.9	46.1	41.2	36.1	31.5	27.4	22.6		61	
68				50.1	49.5	46.9	43.6	43.9	40.1	37.6	33.4	29.4	25.9	21.4		68	
75				43.1	42.7	40.8	37.7	38.8	35.3	33.5	30.9	27.5	24.5	20		75	
82					37.1	35.8	32.8	33.9	31.3	29.4	28.4	25.8	23.1	18.5		82	
89					32.5	31.9	28.8	29.9	28.7	26.6	25.4	24.2	21.7	17.2		89	
96						29.5	25.3	26.5	26.6	23.8	22.6	22.3	20.3	15.9		96	
103						26.8	22.7	24.3	24	21.3	20.6	19.9	19	14.7		103	
110							21.2	22.8	21.5	19.7	19.1	17.8	17.9	13.5		110	
117							19.9	20.8	19.1	18.4	17.1	16.5	16.1	12.5		117	
124								18.7	16.9	17	15.3	15.5	14.2	11.6		124	
131								16.8	15.6	15.4	13.7	14.2	12.6	10.7		131	
138									14.8	13.8	12.9	12.7	11.2	9.9		138	
145									13.8	12.6	12.1	11.4	9.9	9.2		145	
152										12	11	10.1	8.7	8.5		152	
159											9.8	8.9	7.6	7.6		159	
166											8.6	7.7	6.5	6.7		166	
173												6.7	5.5	5.8		173	
180													5.8	4.5	4.8	180	
187													5	3.7	3.9	187	
194														2.9	3.1	194	

TAB 1555410

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

	43 - 236 ft		360°		71000 lbs		85%													
	43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft						
8	332														8					
10	331	295													10					
12	311	295	294	259											12					
14	283	284	281	256	207										14					
16	259	260	253	243	205	170									16					
18	239	240	234	227	202	169									18					
20	220	222	217	212	197	167	127	97							20					
24	186	187	181	169	161	149	126	96							24					
28	155	155	145	139	131	125	116	91.5	73.5						28					
32	130	128	122	116	111	107	100	86	71.5	59.2					32					
36		108	104	98.5	97.5	92	86	79.5	67.5	57.5	46.7				36					
40		92.5	89.5	87	85	80.5	75.5	71	63.5	54.8	45.2	37.7	30.6	25.7	40					
47			72	71.5	68.5	65	60.5	57.8	55.2	49.8	42.1	35.8	30.4	25.4	47					
54			59.4	59.3	56.8	53.5	49.7	50.5	46.2	44	39	33.6	28.9	24	54					
61				49.7	47.8	44.9	41.5	42.5	39.4	37.2	35.6	31.5	27.4	22.6	61					
68				41.8	40.8	39.1	35.1	36.2	34.7	32.8	31.2	29.4	25.9	21.4	68					
75				35.6	35.1	35.6	30.2	31.6	31.4	28.2	27.8	26.5	24.5	20	75					
82					30.1	31.6	27.3	28.9	27.3	25.3	24.7	23.5	22.7	18.5	82					
89					26	27.7	25.5	26.2	23.9	23.5	21.9	21.6	20.2	17.2	89					
96						24.2	24	23.2	21.3	21	20	19.3	17.5	15.9	96					
103						21.3	21.9	20.6	19.6	18.6	18.1	16.9	15.2	14.7	103					
110							19.5	18.1	18.1	17.1	16.1	14.8	13.2	13.1	110					
117							17.3	16.2	16.1	15.5	14.3	13	11.4	11.4	117					
124								15.1	14.3	13.8	12.7	11.4	9.9	9.9	124					
131								13.8	12.9	12.3	11.2	10	8.5	8.6	131					
138									11.6	11	9.9	8.7	7.2	7.3	138					
145									10.2	9.6	8.6	7.6	6.1	6.2	145					
152										8.5	7.4	6.5	5.1	5.2	152					
159											6.3	5.5	4.1	4.2	159					
166											5.4	4.5		3.4	166					
173												3.6			173					
180												2.8			180					

TAB 1555411

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

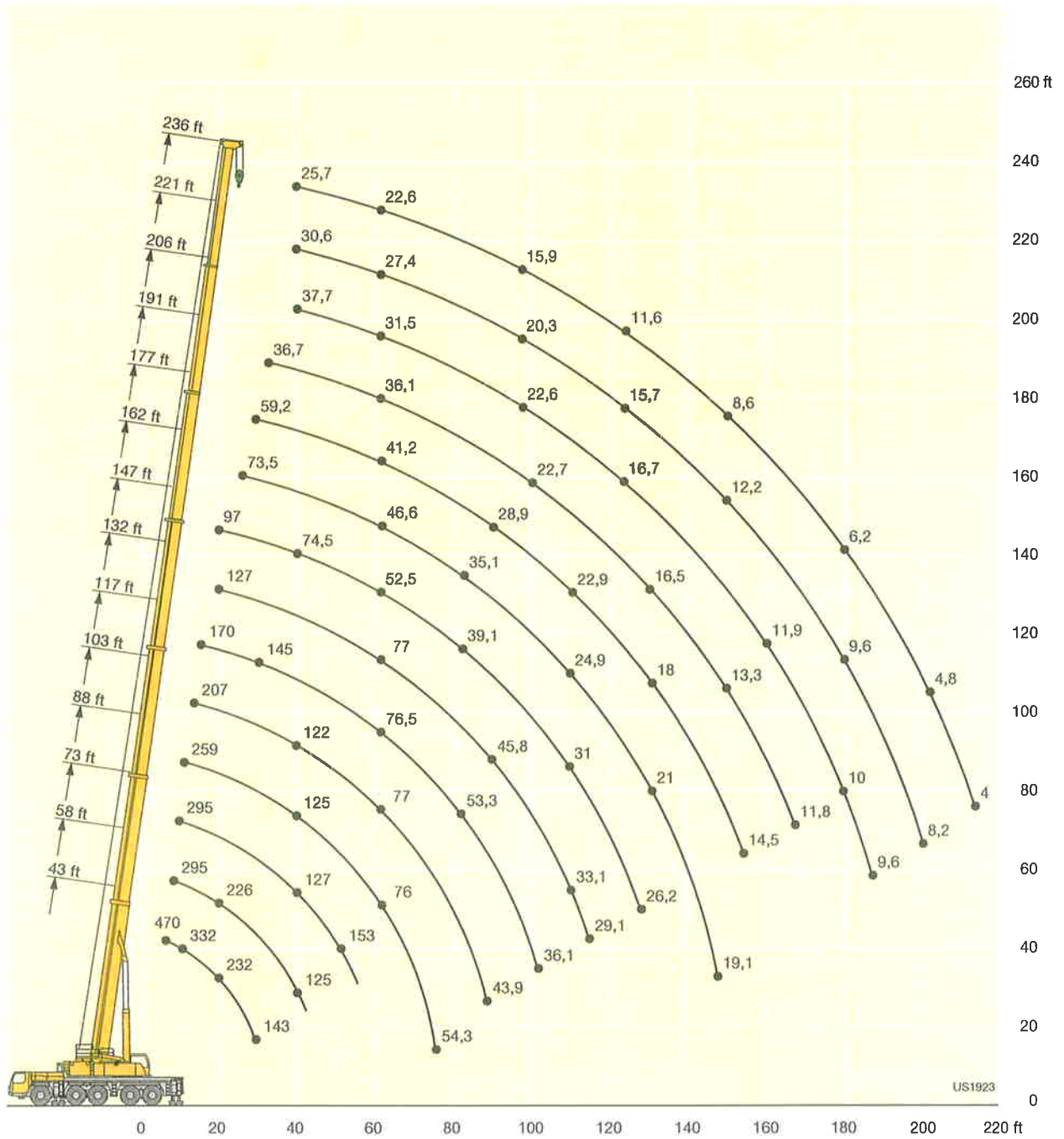
		43 - 236 ft		360°		26000 lbs		85%							
								85%							
		ft		ft		ft		ft		ft		ft			
		43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft
8	8	332													8
10	10	331	295												10
12	12	307	294	290	259										12
14	14	279	279	278	248	207									14
16	16	254	255	236	210	191	167								16
18	18	225	219	200	179	165	152								18
20	20	196	182	168	154	141	134	101	93.5						20
24	24	142	135	127	119	114	105	96	88.5						24
28	28	109	105	101	97	91	84	77	73.5	64.5					28
32	32	86	84.5	83	79	74.5	70	63.5	63	58.4	53.9				32
36	36		70	68.5	66	62.5	61.5	53.1	53.4	50.7	47.4	44.2			36
40	40		59	58.5	56.4	53.5	53.7	45.9	46.7	45.5	42.1	40.3	37.3	30.6	25.7
47	47			45.5	44.3	41.8	42.5	40.9	39.3	36.4	35.7	33	31.8	29.7	25.4
54	54			36.7	37.2	33.8	35.1	34.4	32.3	31.6	30.1	28.1	26.2	23.9	23.1
61	61				31	29.1	30.2	28.6	28.1	26.5	25	23.1	21.4	19.4	18.9
68	68				25.8	25.7	25.4	24.3	23.6	22.2	20.9	19.2	17.6	15.7	15.4
75	75				21.4	21.7	21.7	20.6	20.1	18.7	17.5	15.9	14.5	12.7	12.6
82	82					18.1	18.5	17.6	17.2	15.9	14.8	13.3	11.9	10.2	10.3
89	89						15.3	15.8	15.2	14.7	13.5	12.5	11	9.7	8.1
96	96							13.5	13	12.7	11.5	10.5	9.1	7.9	6.3
103	103							11.5	11.1	10.9	9.8	8.8	7.5	6.3	4.9
110	110								9.4	9.3	8.3	7.3	6	4.8	
117	117								7.9	7.8	7	6.1	4.8		
124	124									6.5	5.7	5			
131	131										5.4	4.6	4		

TAB 1555413

		43 - 236 ft		360°		0 lbs		85%							
								85%							
		ft		ft		ft		ft		ft		ft			
		43 ft	58 ft	73 ft	88 ft	103 ft	117 ft	132 ft	147 ft	162 ft	177 ft	191 ft	206 ft	221 ft	236 ft
8	8	332													8
10	10	330	295												10
12	12	304	293	246	214										12
14	14	274	258	222	196	159									14
16	16	225	201	178	159	146	127								16
18	18	179	164	149	135	125	112								18
20	20	141	132	122	114	104	95	67.5	66						20
24	24	96.5	95	90.5	84.5	78	75	64	63.5						24
28	28	70.5	71	69.5	66.5	61	60.5	55.4	53.4	46.7					28
32	32	54.1	55.5	55.4	54.8	49.6	50.8	48	45.5	42.9	38.9				32
36	36		44.6	45.2	45.5	44.2	43	40.7	39	36.5	34	31.2			36
40	40		36.9	37.8	38.5	37.7	36.7	34.8	33.5	31.3	29.2	26.8	24.6	17.1	16.6
47	47			28.4	29.4	29	28.5	27.1	26.1	24.3	22.6	20.6	18.7	16.4	16
54	54			21.8	23	22.9	22.6	21.4	20.7	19.2	17.7	15.9	14.2	12.2	12.1
61	61				18.4	18.3	18.2	17.2	16.6	15.2	14	12.3	10.8	8.9	9
68	68				14.7	14.8	14.8	13.8	13.4	12.1	11	9.5	8.1		
75	75				11.6	12	12	11.2	10.8	9.6	8.6	7.1			
82	82					9.6	9.8	9	8.7	7.6	6.6				
89	89					7.5	8	7.2	6.9	5.8					
96	96						6.3	5.7	5.4						
103	103						4.8								

TAB 1555414

Lifting heights Hauturs de levage



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

ft	43 ft			88 ft			103 ft			132 ft			147 ft			162 ft			ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	134	115																	10
12	134	110	89	134															12
14	134	106	87.5	134															14
16	131	101	85	134			100												16
18	125	97	82	134	101		96.5												18
20	119	92.5	79	132	101	79.5	92	71.5		87.5									20
24	106	85	74.5	126	95.5	79	84	70	59.3	86			77						24
28	95	78	70.5	119	90.5	76	77.5	65.5	57.9	81	66		75.5						28
32	86	72.5	67	111	86	73.5	71.5	61.5	54.8	76	64	56	72.5	62		59.7			32
36	78	68	64.5	103	82	71	66.5	57.8	52.2	71.5	60.5	54.1	69	59.7	53.6	57.8	56.8		36
40	72	61	58.8	95	78.5	69.5	62.5	54.6	49.8	67.5	57.6	52	65.5	57.2	51.6	55	54.2	50.1	40
47	63			83.5	73.5	66	55.9	50	46.2	61.5	53.4	48.6	58.7	53.1	48.6	49.8	49.3	47.2	47
54				74	68.5	63.5	50.7	45.9	43	56.7	49.7	45.7	52.3	49.7	45.9	45.1	44.6	44.1	54
61				66.5	64	61.5	46.2	42.6	40.5	52.2	46.4	43.3	47.3	46	43.4	40.8	40.5	40.4	61
68				59.6	58.8	58.5	42.7	39.7	38.2	48.5	43.6	41.1	42.5	42.1	40.8	37.2	36.8	36.8	68
75				54.2	53.8	41.9	39.5	37.2	36.3	45.1	41.2	39.2	38.5	38.4	38.1	33.8	33.6	33.7	75
82				49.5	49.3	21.3	36.8	35.1	34.6	42.3	39	37.5	34.9	35.1	35.2	30.8	30.7	30.7	82
89				44.7	33.8	14.4	34.5	33.3	27.9	39.9	37.1	36.1	31.8	32	32.1	28.3	28.2	28.2	89
96							32.5	31.9	20	37.7	35.4	34.7	29.2	29.4	29.4	25.8	25.9	26	96
103							31	25.7	13.4	35.1	34	33.7	26.7	27	27.1	23.7	23.8	23.9	103
110								23.6		32	32.1	32.1	24.5	24.8	24.9	21.8	21.9	22	110
117										29	29.3	24.6	22.6	22.9	23	19.9	20.1	20.2	117
124										26.3	26.5	17.6	20.8	21	21.1	18.4	18.4	18.5	124
131										23.4	23.6	12	19.2	19.4	19.4	16.9	17	17.1	131
138													17.8	18	16.8	15.5	15.6	15.6	138
145													16.4	16.5	12	14.3	14.3	14.4	145
152																13.2	13.3	13.3	152
159																12.2	11.8	11.7	159
166																10.2			166

TAB 1555043 / 1555092 / 1555141

ft	177 ft			191 ft			206 ft			221 ft			236 ft			ft			
	18 ft			18 ft			18 ft			18 ft			18 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
36	46.7																		36
40	45.3	44.7	41.5	37.2	34.7		29.3	24.6		22									40
47	42.1	41.2	41	35.2	34.4	32.1	29	24.5	27.2	21.9									47
54	38.7	38	37.7	32.7	32	31.7	27.5	27	26.8	21	20.7	19.7	17.2	16.5	16.3				54
61	35.6	35	34.7	30.4	29.9	29.7	25.9	25.4	25.2	20	19.6	19.4	16.5	16.3	16.1				61
68	32.6	32.3	32.1	28.2	27.9	27.8	24.2	23.8	23.4	19	18.6	18.4	15.7	15.5	15.4				68
75	30	29.8	29.7	26.2	26	26	22.5	22.2	21.8	18	17.5	17.5	14.9	14.7	14.7				75
82	27.4	27.5	27.5	24.5	24.1	24.2	20.9	20.6	20.5	16.9	16.6	16.5	14.1	14	14.1				82
89	25.1	25.2	25.3	22.8	22.4	22.5	19.6	19.2	19.2	16	15.7	15.7	13.4	13.3	13.4				89
96	23.1	23.2	23.3	21.1	20.7	20.8	18.2	18	18	15.1	14.9	14.9	12.6	12.7	12.7				96
103	21.1	21.2	21.4	19.4	19.1	19.2	16.9	16.8	16.9	14.3	14.2	14.2	11.8	11.9	12				103
110	19.4	19.4	19.5	17.7	17.6	17.7	15.7	15.7	15.8	13.5	13.4	13.5	10.9	11.1	11.2				110
117	17.9	17.9	18	16.1	16.2	16.3	14.7	14.7	14.8	12.8	12.7	12.7	10.1	10.3	10.4				117
124	16.4	16.5	16.6	14.9	14.9	15	13.5	13.7	13.7	12.1	12.1	12.1	9.3	9.5	9.6				124
131	15	15.1	15.2	13.8	13.8	13.9	12.6	12.6	12.8	11.5	11.5	11.5	8.6	8.7	8.9				131
138	14	14	14.1	12.6	12.8	12.8	11.8	11.8	11.9	10.9	10.9	10.9	7.9	8.1	8.2				138
145	12.9	13	13	11.6	11.7	11.8	10.9	11	11.1	10.3	10.3	10.4	7.2	7.4	7.5				145
152	11.9	12	12	10.9	11	11	10.1	10.2	10.3	9.7	9.7	9.8	6.5	6.7	6.8				152
159	11	11.1	11.1	10.1	10.2	10.2	9.4	9.5	9.6	9.1	9.1	9.2	5.9	6.1	6.1				159
166	10.3	10.3	10.3	9.4	9.5	9.5	8.8	8.9	8.9	8.5	8.6	8.6	5.3	5.4	5.5				166
173	9.5	9.6	8.9	8.7	8.8	8.8	8.2	8.3	8.3	7.9	8	8	4.7	4.8	4.9				173
180				8.1	8.2	8.2	7.6	7.6	7.7	7.4	7.5	7.5	4.1	4.2	4.3				180
187				7.5	7.6	7.6	7	7.1	7.1	6.9	7	7	3.6	3.7	3.7				187
194							6.6	6.6	6.6	6.4	6.5	6.5	3.1	3.2	3.2				194
201							6.2	6.2	6.2	6.2	6	6	2.6	2.7	2.6				201
208											5.5	5.6	5.6						208
215											5.1	5.2	5.1						215
222											4.8								222

TAB 1555043 / 1555092 / 1555141

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

ft	43 ft		88 ft			103 ft			132 ft			147 ft			162 ft			ft	
	40 ft			40 ft			40 ft			40 ft			40 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
10	46.1																10		
12	46.1			46.1													12		
14	46.1			46.1													14		
16	46.1			46.1			46.1										16		
18	46.1	38.9		46.1			46.1										18		
20	46.1	38.6		46.1			46.1		46.1								20		
24	46.1	35.2		46.1	37.4		46.1		46.1			46.1					24		
28	46.1	32.3		46.1	36.3		46.1		46.1			46.1			43.3		28		
32	44.2	30	25.2	46.1	34.3		46.1	33.2	46.1			46.1			43.1		32		
36	39.4	28	23.8	46.1	32.4		46.1	31.9	46.1	32.7		46.1			42.7		36		
40	35.9	26.2	22.8	46.1	30.8	24.5	45.8	30.5	23.3	46.1	31.4	45.9			42.1	29.2	40		
47	30.3	23.7	21.3	45.3	28.5	23.3	42.3	28.4	23.1	45.2	29.5	23.4	44.2	29.4	22.8	40.5	29	47	
54	26.4	21.4	20.3	40.1	26.5	22.2	37.7	26.6	22.2	41.2	27.8	22.6	40.8	27.9	22.6	38.6	27.6	21.9	54
61	23	19.7	19.8	35.5	24.7	21.4	34.1	25.1	21.4	37.9	26.4	21.9	37.7	26.6	21.9	35.8	26.3	21.8	61
68	20.3	18.5		32	23.1	20.7	31	23.7	20.8	34.7	25.2	21.3	35.2	25.3	21.4	33.1	25.2	21.2	68
75				29	21.7	20.2	28.5	22.3	20.3	32.1	24	20.8	32.7	24.2	20.9	30.6	24.2	20.8	75
82				26.5	20.6	19.8	26.4	21.1	19.9	29.9	22.9	20.3	30.5	23	20.4	28.1	23.2	20.4	82
89				24.5	19.6	19.6	24.5	20.2	19.5	27.8	21.9	20	28.7	22	20.1	25.9	22.2	20	89
96				22.6	18.9	19.6	22.8	19.4	19.2	26.2	20.9	19.7	27	21.2	19.8	24.1	21.3	19.7	96
103				20.9	18.3	19.6	21.2	18.7	18.8	24.7	20.1	19.4	25.3	20.5	19.5	22.4	20.4	19.4	103
110				19.3	17.9	19.6	19.8	18	18.3	23.3	19.5	19	23.6	19.8	19.3	20.7	19.5	18.9	110
117				18.1	17.9		18.6	17.4	18	22	18.8	18.7	22	19.3	19	19.2	18.6	18.3	117
124							17.6	16.8	18	20.8	18.3	18.3	20.4	18.8	18.5	17.7	17.4	17.6	124
131							16.8	16.7		19.6	17.8	18	18.9	18.1	18.1	16.1	16.2	16.5	131
138										18.7	17.3	17.7	17.4	17.1	17.2	14.9	15.1	15.4	138
145										17.9	16.9	17.7	16	16	16.2	13.9	14	14.3	145
152										17	16.5		14.9	15	15.3	12.9	13.1	13.4	152
159										13.8			13.9	14.1	14.2	11.9	12.2	12.5	159
166													13	13.2	12.4	11.2	11.4	11.6	166
173													10.9			10.5	10.6	10.8	173
180																9.8	9.9		180

TAB 1555050 / 1555099 / 1555148

ft	177 ft		191 ft			206 ft			221 ft			ft	
	40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°		45°
36	35.6												36
40	35.1												40
47	33.9												47
54	32.4												54
61	30.6												61
68	28.6												68
75	26.6												75
82	24.8												82
89	23.1												89
96	21.4												96
103	19.8												103
110	18.2												110
117	16.6												117
124	15.3												124
131	14.2												131
138	13.2												138
145	12.1												145
152	11.3												152
159	10.6												159
166	9.9												166
173	9.2												173
180	8.6												180
187	8												187
194	7.5												194
201													201
208													208
215													215
222													222
229													229
236													236






TAB 1555050 / 1555099 / 1555148

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

ft	43 - 221 ft		63 ft		360°		159000 lbs		85%		ft								
	43 ft		88 ft		103 ft		132 ft		147 ft			162 ft							
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°		22.5°	45°						
10	46.1											10							
12	46.1											12							
14	46.1											14							
16	46.1											16							
18	46.1			44.1								18							
20	46.1			44.3		37.5						20							
24	45.4			44.2		37.7						24							
28	42.3			43.4		37.5		33.6				28							
32	38.1	28		42.2		36.8		33.7		30.7		32							
36	34	26.7		40.5		36.1		33.5		30.8		36							
40	30.8	25.1		38.7	25.5	34.3	23.5	33.1		30.6		40							
47	26	22.5	18.2	34.9	25.5	30.9	23.2	32	22.3	30		47							
54	22.3	20.5	18	31	25	18	28.1	21.5	29.6	22	29	20.9	25.8	20.4	54				
61	19.4	18.9	17	27.5	23.2	17.7	25.6	20	15.6	27.4	20.6	27.2	20.5	24.9	20.1	61			
68	17.1	17.4	16.2	24.8	21.7	17.1	23.3	18.7	15.4	25.5	19.4	15.3	25.5	19.4	15.3	23.9	19	68	
75	15.2	16.2	15.6	22.3	20.5	16.5	21.4	17.5	14.8	23.7	18.3	15.1	23.8	18.4	15.1	22.8	18.1	14.6	75
82	13.6	15.2	15	20.3	19.3	16	19.5	16.4	14.2	22	17.4	14.6	22.2	17.4	14.6	21.6	17.2	14.5	82
89	12.3	14.4		18.4	18.3	15.6	18	15.5	13.7	20.5	16.5	14.1	20.6	16.6	14.1	20.4	16.4	14.1	89
96				16.8	17.3	15.3	16.8	14.6	13.3	19	15.6	13.7	19.4	15.8	13.7	19.3	15.7	13.7	96
103				15.6	16.5	15	15.5	13.9	12.9	17.7	14.9	13.3	18.2	15.1	13.4	18.2	15.1	13.4	103
110				14.3	15.8	14.8	14.6	13.2	12.5	16.6	14.3	13	17.1	14.5	13.1	17.3	14.5	13.1	110
117				13.4	15.2	14.7	13.8	12.7	12.1	15.7	13.7	12.6	16.2	13.9	12.8	16.4	14	12.8	117
124				12.6	14.7	14.7	12.9	12.2	11.9	14.7	13.2	12.3	15.4	13.4	12.5	15.5	13.5	12.5	124
131				11.9	14.4	14.7	12.3	11.7	11.7	14	12.7	12.1	14.6	13	12.2	14.6	13.1	12.2	131
138							11.8	11.4	11.6	13.4	12.3	11.8	13.8	12.6	11.9	13.7	12.6	12	138
145							11.2	11.1		12.8	11.9	11.7	13.3	12.2	11.8	12.8	12.2	11.8	145
152							10.6			12.2	11.6	11.6	12.8	11.8	11.6	11.9	11.9	11.6	152
159										11.8	11.3	11.5	12.3	11.6	11.5	11.2	11.5	11.5	159
166										11.4	11.1	11.5	11.8	11.3	11.4	10.5	11	11.2	166
173										11	10.9		11.3	11	11.3	9.9	10.3	10.6	173
180										10.3			10.7	10.7	11.1	9.2	9.7	9.9	180
187													10.2	10.4		8.7	9.1	9.2	187
194																8.1	8.5	8.5	194
201																7.6	7.9		201
208																5.8			208

TAB 1555057 / 1555106 / 1555155

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

ft	    												ft
	177 ft			191 ft			206 ft			221 ft			
	63 ft			63 ft			63 ft			63 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
36	22.7												36
40	22.7			18.9			15.4						40
47	22.6			18.8			15.4			12.3			47
54	22.2			18.3			15			12.2			54
61	21.8	18.5		18			14.7			12			61
68	21.3	18.2		17.5	16.5		14.5			11.8			68
75	20.7	17.4		17	16.2		14.3	13.2		11.7			75
82	20	16.6	14	16.3	15.6		13.8	12.9		11.5	10.4		82
89	19	15.9	13.9	15.7	15	13.3	13.2	12.4		11.1	10.2		89
96	17.9	15.3	13.5	15	14.3	13.2	12.7	11.9	10.8	10.6	9.8	9.3	96
103	16.8	14.7	13.2	14.2	13.7	12.9	12.1	11.4	11.1	10.1	9.5	9.1	103
110	15.8	14.2	12.9	13.5	13	12.6	11.5	10.9	10.7	9.7	9.1	8.8	110
117	14.8	13.8	12.6	12.7	12.4	12.2	10.9	10.4	10.3	9.3	8.8	8.5	117
124	13.9	13.3	12.4	12.1	11.9	11.9	10.4	10	9.9	8.9	8.5	8.2	124
131	12.9	12.8	12.1	11.4	11.3	11.4	9.8	9.6	9.5	8.5	8.1	8	131
138	12.1	12.2	11.9	10.8	10.7	10.9	9.4	9.2	9.2	8.1	7.8	7.7	138
145	11.3	11.6	11.6	10.2	10.2	10.4	8.9	8.8	8.9	7.7	7.5	7.5	145
152	10.6	11.1	11.3	9.5	9.8	9.9	8.4	8.4	8.5	7.4	7.2	7.2	152
159	9.9	10.4	10.8	8.9	9.2	9.5	8	8	8.2	7	6.9	7	159
166	9.2	9.7	10.1	8.4	8.7	9	7.5	7.7	7.8	6.7	6.6	6.7	166
173	8.7	9.1	9.4	7.8	8.2	8.5	7.1	7.3	7.5	6.3	6.4	6.5	173
180	8.1	8.5	8.7	7.2	7.6	7.9	6.6	6.9	7.1	6	6.1	6.2	180
187	7.6	7.9	8.1	6.8	7.1	7.4	6.2	6.5	6.7	5.6	5.8	6	187
194	7.1	7.4	7.5	6.3	6.6	6.8	5.8	6.1	6.3	5.3	5.5	5.7	194
201	6.6	6.9	7	5.8	6.2	6.3	5.3	5.7	5.9	4.9	5.2	5.4	201
208	6.2	6.4	6.4	5.4	5.7	5.8	4.9	5.3	5.5	4.6	4.9	5.1	208
215	5.7	5.9		5	5.2	5.3	4.5	4.9	5	4.2	4.6	4.8	215
222	5.1			4.6	4.8	4.8	4.1	4.4	4.5	3.8	4.2	4.4	222
229				4.3	4.4		3.7	4	4.1	3.5	3.8	3.9	229
236				3.7	4.1		3.4	3.6	3.6	3.1	3.4	3.4	236
243							3.1	3.2		2.8	3	3	243
250										2.4	2.6	2.6	250

TAB 1555057 / 1555106 / 1555155

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

ft	43 ft			88 ft			103 ft			132 ft			147 ft			162 ft			ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	31.8																		10
12	32																		12
14	32.1																		14
16	31.9																		16
18	31.5																		18
20	31.2			29.2			24.2												20
24	29.9			29.2			24.4												24
28	28.5			28.6			24.5		22.6										28
32	27			28.1			24.3		22.8			21.3							32
36	25.5			27.3			24.1		22.7			21.4			19.7				36
40	24.1	19		26.3	18.5		23.7		22.5			21.3			19.7				40
47	21.7	17.6		24.7	18.4		22.8	17.1	22.2			21.1			19.6				47
54	19.4	16.3	13.4	22.9	17.4		21.8	16.9	21.5	16.5		20.7	16.3		19.4				54
61	17.3	15.3	13.3	21.3	16.5	13.2	20.7	16.1	20.8	16.3		20.1	16.1		19.1	15.4			61
68	15.3	14.4	12.8	19.8	15.7	13.1	19.6	15.5	12.8	20	15.7	19.5	15.5		18.6	15.3			68
75	13.8	13.6	12.4	18.4	15	12.8	18.6	14.9	12.7	19.1	15.1	12.5	18.8	15	12.5	18.1	14.8		75
82	12.4	13	12.1	17.1	14.4	12.5	17.6	14.3	12.4	18.3	14.6	12.4	18.1	14.6	12.4	17.5	14.4	12.2	82
89	11.4	12.5	12	15.8	13.8	12.2	16.6	13.8	12.1	17.5	14.2	12.2	17.4	14.2	12.2	17	14	12.1	89
96	10.5	12.2	12	14.5	13.4	12	15.7	13.3	11.8	16.8	13.8	12	16.8	13.8	12	16.4	13.6	11.9	96
103	9.7	12.1		13.5	13	11.9	14.7	12.7	11.5	16	13.4	11.8	16.1	13.4	11.9	15.9	13.3	11.8	103
110				12.7	12.6	11.8	13.7	12.2	11.2	15.3	12.9	11.5	15.4	13	11.7	15.3	12.9	11.6	110
117				11.9	12.3	11.8	13	11.7	11	14.6	12.4	11.3	14.8	12.6	11.4	14.7	12.6	11.4	117
124				11.2	12.1	11.8	12.3	11.2	10.7	13.8	12	11.1	14.1	12.2	11.2	14.2	12.2	11.2	124
131				10.6	11.9	11.8	11.7	10.8	10.5	13.1	11.6	10.9	13.6	11.8	10.9	13.6	11.9	10.9	131
138				10.1	11.9		11.1	10.4	10.4	12.5	11.2	10.7	13	11.4	10.8	13	11.5	10.8	138
145				9.6			10.7	10.1	10.4	12	10.8	10.5	12.4	11.1	10.6	12.4	11.2	10.6	145
152							10.2	9.9		11.5	10.5	10.4	11.9	10.8	10.4	11.8	10.9	10.4	152
159							9.9			11.1	10.3	10.3	11.5	10.5	10.3	11.2	10.6	10.3	159
166										10.7	10	10.2	11.1	10.3	10.2	10.6	10.4	10.2	166
173										10.3	9.9	10.2	10.7	10	10.2	10	10	10	173
180										10	9.7		10.4	9.8	10.2	9.4	9.6	9.7	180
187										9.7	9.7		10	9.7	10.2	8.8	9.1	9.3	187
194													9.7	9.6		8.3	8.6	8.8	194
201													9			7.8	8.1	8.2	201
208																7.3	7.6		208
215																6.8	7		215

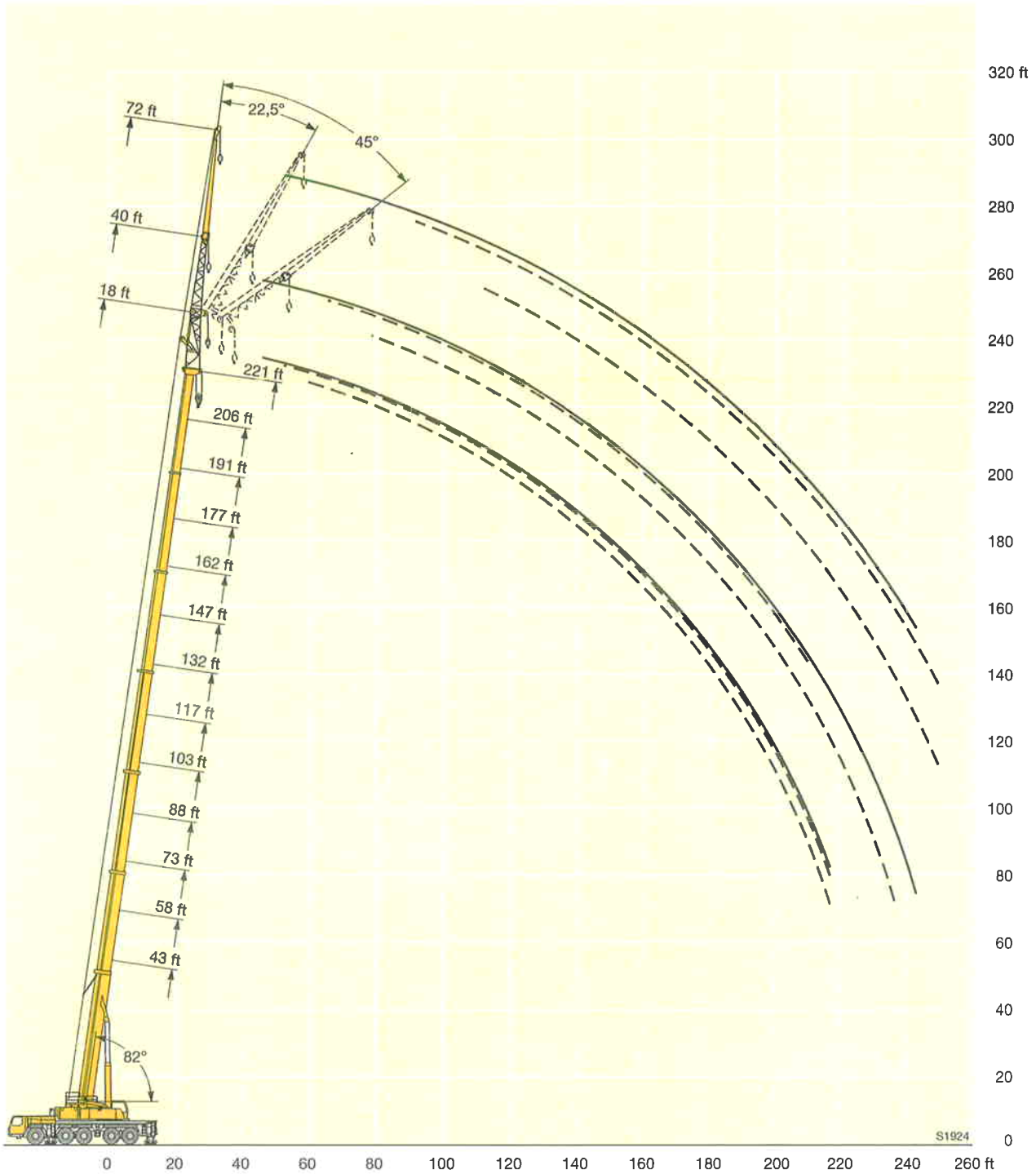
TAB 1555064 / 1555113 / 1555162

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

ft	177 ft			191 ft			206 ft			221 ft			ft
	72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
40	17.7			15.6			13.3						40
47	17.8			15.6			13.3			10.7			47
54	17.7			15.4			13			10.7			54
61	17.5			15.2			12.8			10.6			61
68	17.3	14.5		15			12.6			10.4			68
75	16.8	14.4		14.8	13.5		12.5			10.3			75
82	16.4	14		14.6	13.4		12.2	11.8		10.1			82
89	16	13.7	11.9	14.4	13.1		11.9	11.6		9.9	9.4		89
96	15.6	13.4	11.8	14	12.9	11.5	11.7	11.2		9.7	9.2		96
103	15.1	13.1	11.7	13.5	12.6	11.4	11.3	10.7	10.4	9.4	8.8	8.4	103
110	14.7	12.8	11.5	12.8	12.2	11.3	10.9	10.3	10.1	9.1	8.5	8.2	110
117	14.1	12.4	11.3	12.2	11.8	11.1	10.4	9.9	9.8	8.8	8.2	7.9	117
124	13.4	12.1	11.1	11.6	11.4	10.9	9.9	9.5	9.4	8.4	7.9	7.7	124
131	12.6	11.7	10.9	11	10.9	10.7	9.5	9.1	9.1	8.1	7.6	7.4	131
138	11.9	11.4	10.7	10.5	10.4	10.4	9	8.8	8.7	7.7	7.4	7.2	138
145	11.2	11.1	10.5	9.9	9.9	10	8.6	8.5	8.4	7.3	7.1	7	145
152	10.5	10.7	10.4	9.4	9.5	9.6	8.2	8.1	8.2	7	6.8	6.8	152
159	9.9	10.4	10.2	8.8	9.1	9.3	7.8	7.8	7.9	6.8	6.6	6.6	159
166	9.3	9.8	10	8.3	8.6	8.9	7.4	7.5	7.6	6.4	6.3	6.4	166
173	8.6	9.2	9.4	7.8	8.2	8.5	7	7.1	7.3	6.1	6.1	6.2	173
180	8.1	8.6	8.9	7.3	7.7	8	6.6	6.8	7	5.8	5.9	6	180
187	7.6	8	8.3	6.8	7.2	7.5	6.2	6.5	6.7	5.5	5.6	5.8	187
194	7.2	7.5	7.8	6.3	6.7	7	5.8	6.1	6.3	5.2	5.4	5.6	194
201	6.7	7	7.2	5.9	6.3	6.5	5.4	5.7	6	4.9	5.1	5.3	201
208	6.2	6.5	6.7	5.5	5.9	6	5	5.4	5.6	4.6	4.9	5.1	208
215	5.8	6.1	6.1	5.1	5.4	5.5	4.6	5	5.2	4.2	4.6	4.8	215
222	5.4	5.7		4.7	5	5.1	4.2	4.6	4.7	3.9	4.3	4.5	222
229	5	5.2		4.4	4.6	4.6	3.8	4.2	4.3	3.5	3.9	4.1	229
236				4	4.2	4.1	3.5	3.8	3.8	3.2	3.6	3.7	236
243							3.2	3.4	3.4	2.8	3.2	3.2	243
250							2.9	3		2.5	2.8	2.8	250
257											2.4		257

TAB 1555064 / 1555113 / 1555162

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

		43 - 221 ft			86 ft			360°			159000 lbs			85%					
ft	43 ft			88 ft			103 ft			132 ft			147 ft			162 ft			ft
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
14	31.3																		14
16	31.5																		16
18	31.3																		18
20	31																		20
24	29.9				27.7			22.6											24
28	28.3				27.6			22.8											28
32	26.5				26.9			22.8		20.6									32
36	24.7				26.1			22.7		20.7			19.1						36
40	22.8				25			22.5		20.7			19.2			17.4			40
47	19.6	16.2			22.9			21.7		20.4			19			17.4			47
54	17	14.7			20.9	14.6		20.5	14.2	20			18.8			17.2			54
61	14.8	13.5			19	14.4		19.3	14	19.1	13.6		18.2			16.9			61
68	13.1	12.5	10.2		17.3	13.6		18.1	13.3	18.2	13.4		17.5	12.9		16.5			68
75	11.7	11.6	10	15.7	12.8	10		16.8	12.6	17.3	12.8		16.8	12.7		15.9	12.2		75
82	10.5	10.9	9.5	14.2	12.1	9.9	15.6	12	9.6	16.4	12.3		16	12.2		15.4	12		82
89	9.6	10.2	9.1	12.9	11.5	9.5	14.5	11.5	9.5	15.5	11.8	9.4	15.3	11.7	9.4	14.8	11.6		89
96	8.8	9.7	8.8	12	11	9.3	13.3	11	9.2	14.6	11.3	9.3	14.6	11.3	9.2	14.2	11.2	9.1	96
103	8.1	9.2	8.7	11.1	10.5	9	12.4	10.5	9	13.8	10.9	9.1	13.9	10.9	9.1	13.7	10.8	9	103
110	7.5	8.9	8.6	10.3	10.1	8.8	11.7	10.1	8.8	13	10.5	8.9	13.2	10.6	8.9	13.1	10.5	8.8	110
117	7	8.7		9.6	9.7	8.6	10.9	9.7	8.6	12.2	10.2	8.7	12.6	10.2	8.7	12.6	10.2	8.7	117
124				9.1	9.3	8.5	10.2	9.3	8.5	11.6	9.8	8.6	12	9.9	8.6	12	9.9	8.6	124
131				8.5	9.1	8.5	9.7	8.9	8.3	11	9.5	8.5	11.4	9.6	8.5	11.5	9.6	8.5	131
138				8	8.9	8.5	9.2	8.6	8.2	10.4	9.2	8.3	10.9	9.3	8.4	11	9.4	8.4	138
145				7.6	8.7	8.5	8.7	8.3	8	9.9	8.9	8.2	10.4	9	8.3	10.6	9.1	8.3	145
152				7.2	8.6		8.2	8	8	9.4	8.6	8.1	9.9	8.8	8.1	10.2	8.8	8.2	152
159				6.9			7.9	7.7	8	9	8.3	8	9.4	8.5	8	9.7	8.6	8.1	159
166							7.5	7.6		8.6	8.1	8	9.1	8.3	8	9.3	8.4	8	166
173							7.2			8.2	7.9	7.9	8.7	8	7.9	8.9	8.2	7.9	173
180										7.9	7.7	7.9	8.3	7.9	7.8	8.5	7.9	7.8	180
187										7.6	7.5	7.9	8	7.7	7.8	8	7.7	7.7	187
194										7.4	7.5		7.8	7.5	7.8	7.6	7.5	7.6	194
201										7.1	7.4		7.5	7.5	7.8	7.1	7.3	7.6	201
208													7.3	7.4		6.7	7	7.2	208
215													7.1			6.3	6.6	6.6	215
222																5.9	6.1		222
229																5.3	5.6		229

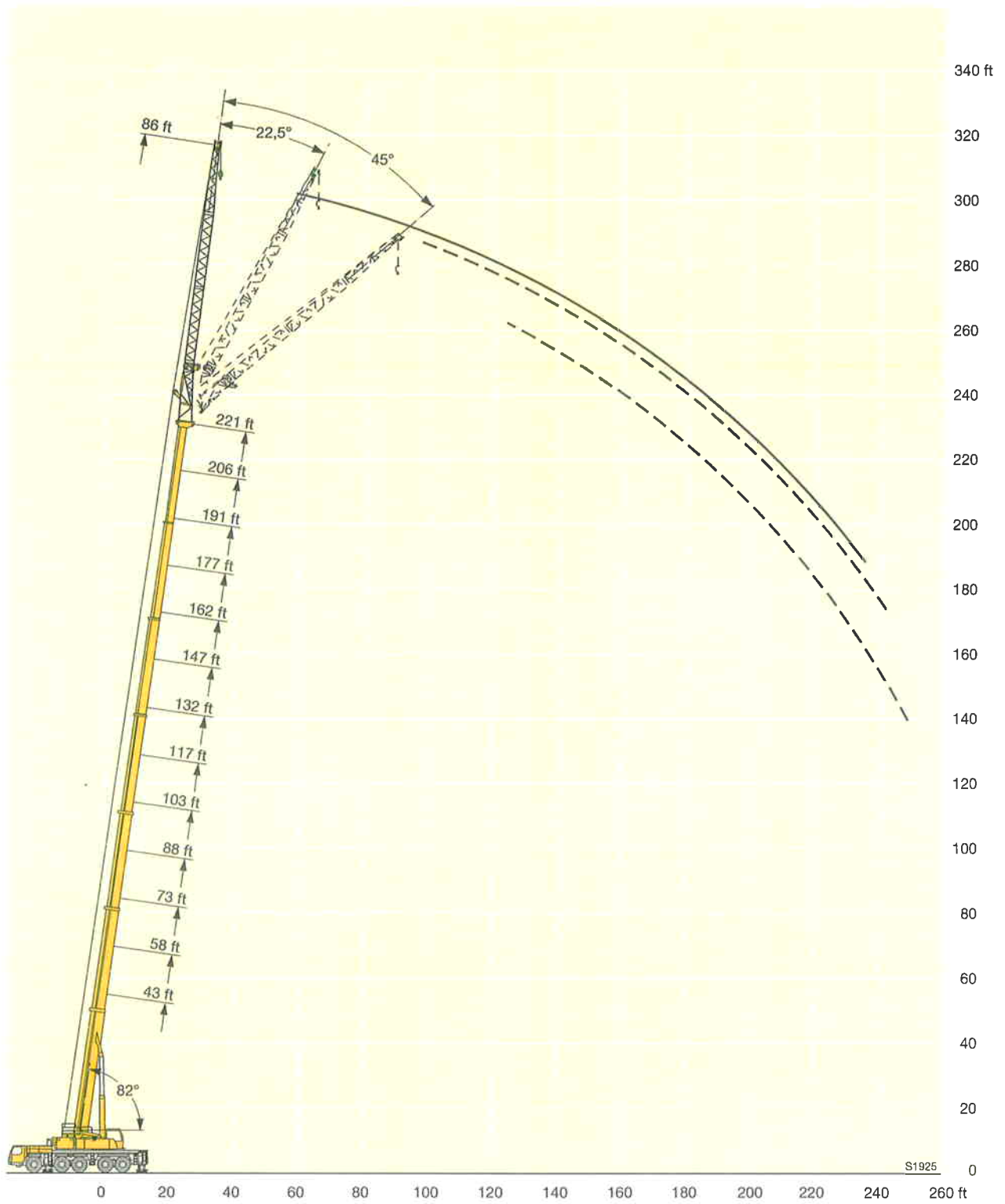
TAB 1555071 / 1555120 / 1555169

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

ft	177 ft			191 ft			206 ft			221 ft			ft
	86 ft			86 ft			86 ft			86 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
40	15.4			13.3									40
47	15.4			13.3			10.9						47
54	15.3			13			10.8			8.6			54
61	15			12.8			10.6			8.5			61
68	14.8			12.6			10.4			8.4			68
75	14.5	11.8		12.4			10.2			8.3			75
82	14.2	11.6		12.2	10.9		10			8.1			82
89	13.9	11.3		12.1	10.7		9.9	9.7		8			89
96	13.5	10.9		11.9	10.5		9.7	9.5		7.9	7.6		96
103	13.1	10.6	8.8	11.7	10.2		9.6	9.3		7.7	7.4		103
110	12.7	10.3	8.7	11.3	9.9	8.5	9.4	8.9		7.6	7.1		110
117	12.2	10	8.6	10.8	9.7	8.4	9.1	8.5	8.2	7.5	6.8		117
124	11.8	9.7	8.5	10.3	9.5	8.3	8.7	8.2	8	7.2	6.6	6.3	124
131	11.3	9.5	8.4	9.9	9.2	8.3	8.3	7.8	7.8	6.9	6.3	6.1	131
138	10.7	9.3	8.3	9.4	8.9	8.2	7.9	7.5	7.5	6.6	6.1	5.9	138
145	10.2	9	8.2	8.9	8.6	8.1	7.5	7.2	7.2	6.3	5.8	5.7	145
152	9.7	8.8	8.1	8.4	8.3	8	7.2	6.9	6.9	6	5.6	5.5	152
159	9.1	8.6	8	7.9	8	7.9	6.8	6.7	6.7	5.7	5.5	5.3	159
166	8.6	8.4	7.9	7.5	7.7	7.8	6.5	6.4	6.4	5.4	5.3	5.2	166
173	8	8.1	7.8	7.1	7.3	7.5	6.1	6.1	6.2	5.2	5.1	5	173
180	7.5	7.7	7.7	6.6	6.9	7.2	5.8	5.9	6	4.9	4.9	4.9	180
187	7	7.3	7.4	6.2	6.6	6.9	5.4	5.6	5.7	4.6	4.7	4.7	187
194	6.5	6.9	7.2	5.7	6.2	6.5	5	5.3	5.5	4.3	4.5	4.5	194
201	6.1	6.5	6.8	5.3	5.8	6.1	4.6	5	5.2	4	4.2	4.4	201
208	5.6	6.1	6.3	4.9	5.4	5.7	4.2	4.7	4.9	3.7	4	4.2	208
215	5.2	5.6	5.8	4.5	4.9	5.2	3.9	4.3	4.6	3.4	3.7	4	215
222	4.9	5.2	5.2	4.1	4.5	4.7	3.5	4	4.3	3.1	3.5	3.7	222
229	4.5	4.8	4.7	3.7	4.1	4.2	3.1	3.6	3.8	2.7	3.2	3.4	229
236	4.1	4.4		3.3	3.7	3.7	2.8	3.2	3.4	2.4	2.9	3.2	236
243				3	3.3		2.4	2.8	2.9		2.5	2.7	243
250				2.6	2.9			2.4					250

TAB 1555071 / 1555120 / 1555169

Lifting heights Hauteurs de levage



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

		43 - 221 ft			95 ft			360°			159000 lbs			85%								
ft	ft																		ft			
	43 ft			88 ft			103 ft			132 ft			147 ft			162 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
18	21.1																		18			
20	21.3																		20			
24	21.5																		24			
28	21.4							17.2											28			
32	20.9							17.3				16							32			
36	20.3							17.4				16.1			15.2				36			
40	19.5							17.4				16.1			15.2			14.1	40			
47	17.8	13.3						17.1				16.1			15.2			14.2	47			
54	16.2	13.1				12.8		16.4				16			15.2			14.1	54			
61	14.6	12.1				12.6		15.7			11.8	15.5			15			14.1	61			
68	13.1	11.2				11.9		14.9		11.6		14.9	11.3		14.5			13.9	68			
75	11.9	10.5	8.7			11.2		14.1		11		14.4	11.1		14	10.8		13.5	10.6	75		
82	10.7	9.8	8.5			10.7	8.5	13.4		10.5		13.8	10.7		13.5	10.6		13.1	10.4	82		
89	9.7	9.2	8.1			10.2	8.4	12.6		10.1	8.2	13.1	10.3		13	10.2		12.6	10.1	89		
96	8.9	8.7	7.8			9.7	8.1	11.9		9.6	8.1	12.5	9.9	8	12.5	9.8	8	12.2	9.7	96		
103	8.2	8.3	7.6			9.3	7.9	11.3		9.3	7.8	12	9.5	7.9	12	9.5	7.9	11.8	9.4	7.8	103	
110	7.6	7.9	7.4			10.3	8.9	7.7	10.6		8.9	7.7	11.5	9.2	7.7	11.5	9.2	7.7	11.3	9.1	7.6	110
117	7	7.6	7.4			9.6	8.6	7.5	10		8.6	7.5	11	8.9	7.6	11.1	9	7.6	10.9	8.9	7.5	117
124	6.5	7.5				9	8.3	7.4	9.4		8.3	7.4	10.5	8.6	7.5	10.6	8.7	7.4	10.6	8.6	7.4	124
131						8.5	8	7.3	8.8		8.1	7.3	10	8.4	7.3	10.2	8.4	7.3	10.2	8.4	7.3	131
138						7.9	7.8	7.3	8.4		7.8	7.2	9.5	8.2	7.3	9.8	8.2	7.3	9.8	8.2	7.2	138
145						7.5	7.6	7.3	8		7.7	7.2	9	7.9	7.2	9.4	8	7.2	9.5	8	7.1	145
152						7.1	7.4	7.3	7.5		7.4	7.2	8.5	7.8	7.1	9	7.8	7.1	9.1	7.8	7.1	152
159						6.7	7.3		7.2		7.2	7.2	8.2	7.6	7.1	8.6	7.6	7.1	8.8	7.7	7	159
166						6.4	7.3		6.9		7	7.2	7.9	7.4	7.1	8.2	7.5	7.1	8.4	7.5	7	166
173									6.6		6.8		7.5	7.3	7.1	7.9	7.4	7.1	8.1	7.4	7	173
180									6.4		6.8		7.2	7.1	7.1	7.6	7.2	7.1	7.8	7.3	7	180
187												6.9	6.9	7.1	7.3	7.1	7.1	7.5	7.1	7	187	
194												6.7	6.8	7.1	7	6.9	7.1	7.3	7	7	194	
201												6.5	6.7		6.8	6.8	7.1	7	6.9	7	201	
208												6.3	6.7		6.6	6.7	7.1	6.7	6.7	7	208	
215													3.5		6.4	6.7		6.4	6.6	6.8	215	
222															6.2	6.7		6	6.3	6.4	222	
229																		5.6	5.8		229	
236																		5.1	5.4		236	

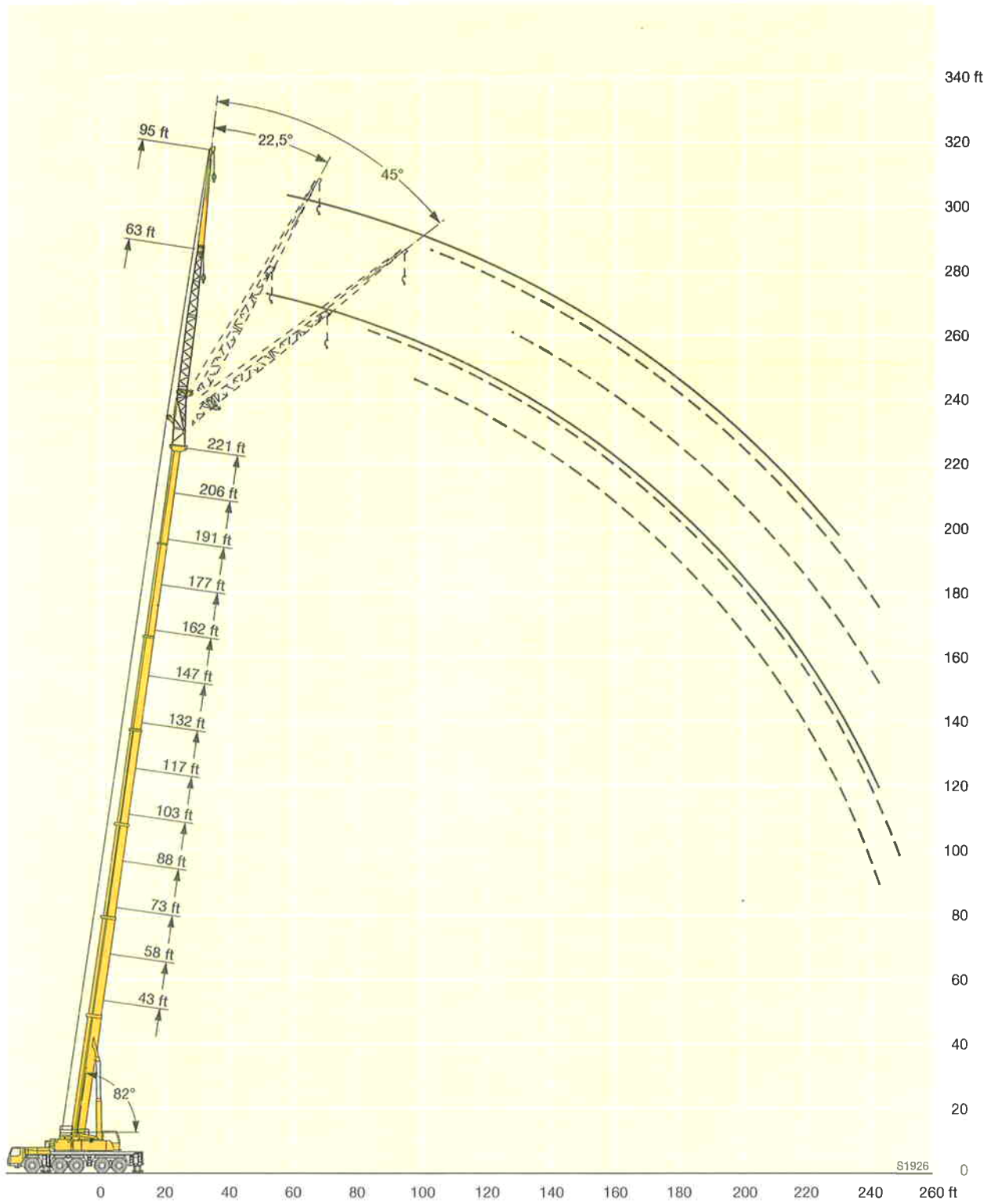
TAB 1555078 / 1555127 / 1555176

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

ft	177 ft			191 ft			206 ft			221 ft			ft
	95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
47	12.9			11.4			9.6						47
54	12.9			11.3			9.6			7.7			54
61	12.8			11.2			9.4			7.7			61
68	12.7			11			9.2			7.5			68
75	12.5			10.9			9.1			7.4			75
82	12.2	9.9		10.7			8.9			7.3			82
89	11.9	9.8		10.6	9.2		8.8			7.1			89
96	11.6	9.5		10.5	9.1		8.7	8.5		7			96
103	11.3	9.2		10.4	8.9		8.7	8.4		7	6.9		103
110	10.9	9	7.5	10.2	8.6		8.6	8.2		6.9	6.7		110
117	10.6	8.7	7.4	9.9	8.4	7.3	8.4	8		6.9	6.4		117
124	10.2	8.5	7.3	9.6	8.2	7.2	8.1	7.8	7	6.8	6.2		124
131	9.9	8.3	7.2	9.3	8.1	7.1	7.8	7.5	7	6.5	6	5.7	131
138	9.7	8.1	7.1	9	7.9	7	7.5	7.2	6.9	6.3	5.8	5.6	138
145	9.4	7.9	7.1	8.6	7.7	7	7.2	6.9	6.8	6	5.5	5.4	145
152	9.1	7.7	7	8.2	7.6	6.9	6.9	6.6	6.6	5.7	5.3	5.2	152
159	8.8	7.6	7	7.8	7.4	6.9	6.6	6.4	6.4	5.5	5.2	5	159
166	8.3	7.5	6.9	7.4	7.3	6.9	6.3	6.1	6.2	5.2	5	4.9	166
173	7.9	7.3	6.9	7	7	6.8	6	5.9	6	4.9	4.8	4.7	173
180	7.4	7.2	6.9	6.6	6.7	6.7	5.7	5.6	5.7	4.7	4.6	4.6	180
187	7	6.9	6.9	6.2	6.5	6.6	5.3	5.4	5.5	4.4	4.4	4.5	187
194	6.5	6.7	6.8	5.8	6.2	6.4	5	5.2	5.3	4.2	4.2	4.3	194
201	6.1	6.5	6.7	5.3	5.8	6.1	4.6	5	5.1	3.9	4.1	4.2	201
208	5.7	6.2	6.5	4.9	5.5	5.8	4.2	4.7	4.9	3.6	3.9	4.1	208
215	5.3	5.8	6	4.5	5.1	5.4	3.9	4.4	4.7	3.4	3.7	3.9	215
222	4.9	5.4	5.5	4.2	4.7	5	3.5	4	4.4	3.1	3.5	3.7	222
229	4.6	4.9	5	3.8	4.3	4.5	3.2	3.7	4	2.8	3.2	3.5	229
236	4.2	4.6	4.5	3.4	3.9	4	2.9	3.4	3.7	2.5	2.9	3.2	236
243	3.9	4.2		3.1	3.5	3.5	2.5	3	3.2		2.7	2.9	243
250				2.8	3.1			2.6	2.7			2.6	250
257				2.4	2.7								257

TAB 1555078 / 1555127 / 1555176

Lifting heights Hauteurs de levage



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

ft	43 ft			88 ft			103 ft			132 ft			147 ft			162 ft			ft
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
28	15.2																		28
32	15.1			13.9															32
36	14.8			13.9			12.6			11.6									36
40	14.3			13.8			12.5			11.7			11						40
47	13.4			13.6			12.4			11.7			11			10.2			47
54	12.4			12.9			12.1			11.5			11			10.2			54
61	11.4	8.8		12.3			11.6			11.3			10.8			10.1			61
68	10.4	8.6		11.6	8.5		11			10.9			10.6			10			68
75	9.6	8		10.9	8.3		10.5	7.8		10.5			10.2			9.8			75
82	8.8	7.5		10.2	7.9		9.9	7.7		10.1	7.5		9.9			9.5			82
89	8	7		9.6	7.4		9.4	7.3		9.6	7.3		9.5	7.1		9.2	7		89
96	7.3	6.5	5.5	9	7		8.9	6.9		9.2	7		9.1	7		8.8	6.9		96
103	6.6	6.1	5.3	8.4	6.7	5.4	8.4	6.6		8.8	6.7		8.7	6.7		8.5	6.6		103
110	6.1	5.8	5.1	7.9	6.4	5.3	8	6.3	5.1	8.4	6.5		8.4	6.5		8.2	6.4		110
117	5.6	5.5	4.9	7.4	6.1	5.1	7.5	6.1	5	8	6.2	5	8	6.2	5	7.9	6.1		117
124	5.1	5.2	4.7	6.9	5.8	4.9	7.1	5.8	4.9	7.6	6	4.9	7.7	6	4.9	7.6	5.9	4.8	124
131	4.8	5	4.6	6.4	5.6	4.8	6.7	5.6	4.8	7.3	5.8	4.8	7.4	5.8	4.8	7.3	5.8	4.7	131
138	4.4	4.8		6.1	5.4	4.7	6.3	5.4	4.7	6.9	5.6	4.7	7.1	5.6	4.7	7	5.6	4.6	138
145	4.1	4.6		5.7	5.1	4.6	5.9	5.2	4.6	6.6	5.4	4.6	6.7	5.4	4.6	6.7	5.4	4.6	145
152				5.3	5	4.5	5.6	5	4.5	6.3	5.2	4.5	6.5	5.3	4.5	6.5	5.3	4.5	152
159				5	4.8	4.5	5.3	4.9	4.4	6	5.1	4.4	6.2	5.1	4.4	6.2	5.1	4.4	159
166				4.7	4.7	4.5	5	4.7	4.4	5.7	4.9	4.4	6	5	4.4	6	5	4.4	166
173				4.5	4.6	4.5	4.8	4.6	4.4	5.5	4.8	4.4	5.7	4.8	4.3	5.8	4.9	4.3	173
180				4.2	4.5		4.5	4.6	4.4	5.2	4.7	4.3	5.4	4.7	4.3	5.6	4.7	4.3	180
187				4	4.5		4.3	4.5	4.4	5	4.6	4.3	5.2	4.6	4.3	5.4	4.6	4.3	187
194				3.9			4.1	4.5		4.7	4.5	4.3	5	4.5	4.3	5.1	4.6	4.3	194
201							4	4.5		4.5	4.4	4.3	4.8	4.4	4.3	4.9	4.5	4.3	201
208							3.9			4.4	4.4	4.3	4.6	4.4	4.3	4.8	4.4	4.3	208
215										4.2	4.4	4.3	4.4	4.4	4.3	4.6	4.3	4.3	215
222										4	4.4		4.2	4.3	4.3	4.4	4.3	4.3	222
229										3.9	4.4		4.1	4.3	4.3	4.2	4.3	4.3	229
236													4	4.3		4.1	4.3	4.3	236
243													3.9			4	4.2		243
250																3.9	4.1		250
257																3.4			257

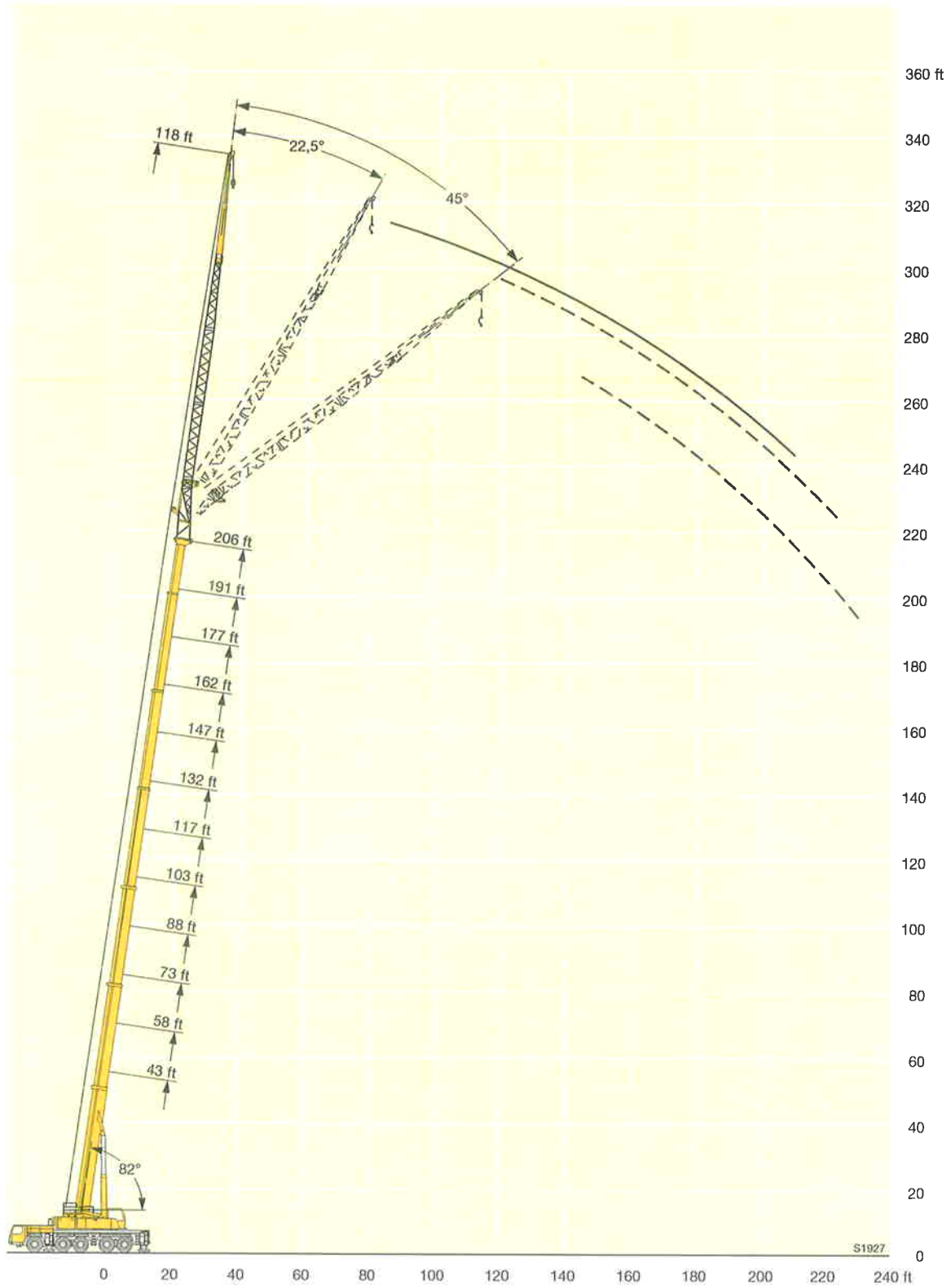
TAB 1555085 / 1555134 / 1555183

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

ft	177 ft			191 ft		206 ft			ft
	118 ft			118 ft		118 ft			
	0°	22.5°	45°	0°	22.5°	0°	22.5°	45°	
47	9.2			8.1					47
54	9.2			8.1					54
61	9.2			8.1					61
68	9.2			8		5.8			68
75	9.1			7.9		5.8			75
82	8.9			7.8		5.7			82
89	8.7			7.7		5.6			89
96	8.4	6.6		7.6		5.5			96
103	8.1	6.4		7.5	6.1	5.4			103
110	7.9	6.2		7.3	6	5.4			110
117	7.6	6		7.1	5.8	5.3	5		117
124	7.3	5.8		6.9	5.6	5.2	4.9		124
131	7.1	5.7	4.7	6.7	5.5	5	4.7		131
138	6.8	5.5	4.6	6.5	5.3	4.8	4.5	3.8	138
145	6.6	5.3	4.5	6.3	5.2	4.6	4.3	3.8	145
152	6.4	5.2	4.4	6.1	5.1	4.3	4.1	3.7	152
159	6.2	5	4.4	6	4.9	4.1	3.9	3.6	159
166	6	4.9	4.3	5.8	4.8	3.9	3.7	3.5	166
173	5.8	4.8	4.3	5.6	4.7	3.7	3.5	3.4	173
180	5.6	4.7	4.2	5.4	4.6	3.5	3.4	3.3	180
187	5.4	4.6	4.2	5.2	4.5	3.3	3.2	3.2	187
194	5.2	4.5	4.2	4.9	4.4	3	3	3.1	194
201	5	4.4	4.2	4.6	4.4	2.8	2.9	3	201
208	4.8	4.4	4.2	4.2	4.3	2.6	2.7	2.9	208
215	4.6	4.3	4.2	3.8	4.1	2.3	2.6	2.7	215
222	4.2	4.3	4.2	3.4	3.9		2.4	2.6	222
229	3.9	4.2	4.2	3.1	3.6		2.2	2.5	229
236	3.6	3.9	4.1	2.8	3.4			2.3	236
243	3.3	3.6	3.9	2.4	3.1				243
250	3	3.4	3.5		2.7				250
257	2.6	3.1							257
264		2.7							264

TAB 1555065 / 1555134 / 1555183

Lifting heights Hauteurs de levage



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension


Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 ft + 23 ft			88 ft + 23 ft			103 ft + 23 ft			132 ft + 23 ft			147 ft + 23 ft			162 ft + 23 ft			ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
10	46.1																		10
12	46.1																		12
14	46.1																		14
16	46.1																		16
18	46.1			46.1															18
20	46.1	38		46.1			45.3												20
24	45.7	37.2		46.1			44.7												24
28	43.2	34.6		46.1			42.2												28
32	39	32.4		46.1	34.4		39.5			39.3									32
36	34.8	30.5	24.7	45.2	33		36.9	29.4		38.4			35.5						36
40	32	28.8	23.8	42	31.6	23.7	34.5	27.9	22.4	35.1	26.5		33.6	26.1			31.3		40
47	27.7	25.8	22.5	37.1	29.3	23.6	30.7	25.5	22.2	32.1	26.1	21.1	31.2	25.9			29.4	23	47
54	24.5	22.9	21.3	32.9	27.3	22.6	27.7	23.2	20.6	29.3	24	20.8	28.9	24.1	19.7		27.6	22.6	54
61	21.9	20.4	19.8	29.3	25.2	21.8	25	21.2	19.2	26.8	22.1	19.6	26.8	22.3	19.4	25.9	21.2	18.1	61
68	19.6	18.4	18	26.7	23.3	20.7	22.6	19.5	17.9	24.9	20.6	18.5	24.8	20.6	18.4	24.3	20	17.8	68
75	17.5	16.6	15.9	24.4	21.4	19.4	20.7	18	16.8	23	19.2	17.5	23.1	19.3	17.4	22.7	19	16.9	75
82	15.8	15.1	14.1	22.4	19.8	18	18.8	16.7	15.8	21.3	18.1	16.6	21.4	18.2	16.6	21.3	17.9	16.1	82
89	14.4	13.7	12.3	20.6	18.3	16.6	17.3	15.5	14.9	19.7	16.9	15.7	19.8	17.2	15.8	19.9	16.9	15.4	89
96				19.1	17.1	15.4	16	14.5	14.1	18.2	15.9	15	18.6	16.1	15.1	18.5	16.1	14.7	96
103				17.8	16	14.2	14.8	13.7	13.4	16.9	15	14.3	17.4	15.3	14.4	17.4	15.3	14.1	103
110				16.6	14.9	13.3	13.8	12.9	12.8	15.8	14.1	13.7	16.2	14.6	13.9	16.5	14.5	13.6	110
117				15.5	13.9	12.4	13	12.2	12.2	14.9	13.5	13.1	15.3	13.9	13.3	15.5	14	13	117
124				14.6	13.1	11.7	12.2	11.7	11.7	13.9	12.9	12.6	14.6	13.2	12.7	14.6	13.4	12.5	124
131				13.7	12.4	10.9	11.5	11.1	11.2	13.2	12.3	12.1	13.8	12.7	12.3	13.8	12.9	12.1	131
138							11	10.7	10.7	12.6	11.8	11.7	13	12.2	11.8	13	12.4	11.6	138
145							10.4	10.3		12	11.4	11.2	12.5	11.7	11.3	12.2	11.9	11.2	145
152							9.8			11.4	10.9	10.8	12	11.3	10.9	11.4	11.5	10.9	152
159										11	10.6	10.3	11.5	11	10.5	10.7	11	10.5	159
166										10.6	10.3	10	11	10.6	10.2	10.1	10.4	10	166
173										10.2	10.1	9.7	10.6	10.3	9.9	9.4	9.7	9.6	173
180										9.5	7.4		10.2	10.1	9.6	8.8	9.1	9.1	180
187													9.7	9.8		8.2	8.5	8.6	187
194																7.7	7.9	7.9	194
201																7.1	7.4	7.3	201
208																5.3			208

TAB 1555638 / 1555687 / 1555736

Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé



ft	177 ft + 23 ft			191 ft + 23 ft			206 ft + 23 ft			221 ft + 23 ft			ft
	40 ft			40 ft			40 ft			40 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
40	20.6			20.2									40
47	26			20.1			15.6			12.6			47
54	24.8	19.6		19.6			15.5			12.6			54
61	23.5	19.3	16.6	18.8	16.7		15	14.1		12.2			61
68	22.2	18.4	16.4	17.9	16.5	14.4	14.4	13.9		11.8	10.9		68
75	21	17.6	15.7	17	15.9	14.2	13.8	13.2	12.5	11.3	10.8		75
82	19.8	16.9	15	16	15.3	13.8	13.1	12.6	12.3	10.8	10.3	9.9	82
89	18.6	16.1	14.5	15.1	14.7	13.3	12.5	12.1	11.9	10.4	9.9	9.7	89
96	17.6	15.4	13.9	14.3	13.9	12.9	11.9	11.5	11.4	9.9	9.5	9.3	96
103	16.5	14.8	13.4	13.6	13.2	12.4	11.3	11	10.9	9.4	9.1	8.9	103
110	15.4	14.2	12.9	12.9	12.6	12	10.8	10.5	10.4	9	8.7	8.6	110
117	14.4	13.6	12.5	12.1	12	11.6	10.3	10	10	8.6	8.4	8.3	117
124	13.4	13	12	11.5	11.4	11.2	9.7	9.6	9.5	8.2	8	7.9	124
131	12.4	12.4	11.6	10.9	10.8	10.8	9.2	9.2	9.2	7.8	7.7	7.6	131
138	11.5	11.8	11.3	10.2	10.3	10.4	8.8	8.7	8.8	7.4	7.3	7.3	138
145	10.8	11.1	10.9	9.6	9.7	9.9	8.4	8.3	8.4	7.1	7	7.1	145
152	10.1	10.4	10.4	9	9.2	9.4	7.9	7.9	8	6.8	6.7	6.8	152
159	9.3	9.8	9.8	8.4	8.7	8.8	7.5	7.6	7.7	6.5	6.4	6.5	159
166	8.7	9.1	9.2	7.9	8.1	8.3	7.1	7.1	7.3	6.1	6.2	6.2	166
173	8.1	8.5	8.6	7.3	7.6	7.8	6.6	6.7	6.9	5.8	5.9	5.9	173
180	7.6	7.9	8	6.8	7.1	7.2	6.2	6.3	6.5	5.5	5.6	5.7	180
187	7	7.4	7.5	6.3	6.6	6.7	5.7	5.9	6.1	5.1	5.3	5.4	187
194	6.5	6.8	6.9	5.9	6.1	6.2	5.3	5.5	5.7	4.8	4.9	5.1	194
201	6	6.3	6.4	5.4	5.6	5.7	4.9	5.1	5.3	4.4	4.6	4.7	201
208	5.6	5.9	5.9	5	5.2	5.2	4.5	4.7	4.8	4.1	4.3	4.4	208
215	5.2	5.4	5.4	4.6	4.7	4.8	4	4.2	4.3	3.7	3.9	4	215
222	4.5	4.7		4.2	4.3	4.3	3.6	3.8	3.9	3.3	3.5	3.6	222
229				3.8	3.9	3.9	3.2	3.4	3.4	2.9	3.1	3.2	229
236				3.2	3.4		2.9	3	3	2.6	2.8	2.8	236
243							2.6	2.7					243

TAB 1555638 / 1555687 / 1555736

Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

		43 - 221 ft			23 ft			63 ft			360°			159000 lbs			85%							
		43 ft + 23 ft			88 ft + 23 ft			103 ft + 23 ft			132 ft + 23 ft			147 ft + 23 ft			162 ft + 23 ft							
		63 ft			63 ft			63 ft			63 ft			63 ft			63 ft							
		0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
14	ft	41.2																				14		
16	ft	41.2																					16	
18	ft	40.7																					18	
20	ft	40.1			35.1																		20	
24	ft	38.2			35			29.7															24	
28	ft	35.9			34.5			29.6															28	
32	ft	33.2			33.5			29.1					26.6				22.9						32	
36	ft	30.7			32.3			28.1					26.4				22.8						36	
40	ft	28.3	24.1		31	23.1		26.8					25.9				22.7				20.4		40	
47	ft	24.3	21.2		28.3	22.8		24.5	17.7				24.2				22.2				20.1		47	
54	ft	21.2	18.8	15.6	25.8	20.4		21.9	17.4				22.4	16.6			21.3	16.5			19.5		54	
61	ft	18.5	16.9	15.2	23.5	18.8	15.1	19.8	16	13.4			20.7	16.3			20.3	16.1			18.8	15	61	
68	ft	16.4	15.2	14	21.2	17.3	14.8	18	14.8	13.1			19.1	15.2	12.8		19	15.1			18	14.7	68	
75	ft	14.6	13.8	13	19.3	16	14	16.4	13.8	12.4	17.7		14.3	12.6	17.7		14.3	12.2			16.9	14	75	
82	ft	13.2	12.7	12	17.5	14.9	13.3	15	13	11.7	16.4		13.5	12	16.6		13.5	11.9			15.9	13.3	11.5	82
89	ft	12	11.7	11.3	16	13.9	12.6	13.8	12.2	11.1	15.1		12.8	11.4	15.5		12.8	11.4			15	12.6	11.3	89
96	ft	11	10.9	10.6	14.7	13.1	12	12.7	11.5	10.6	14		12.2	10.9	14.4		12.2	11			14.2	12.1	10.9	96
103	ft	10.2	10.1	10	13.6	12.3	11.5	11.8	10.8	10.1	13.2		11.5	10.5	13.5		11.6	10.6			13.4	11.5	10.5	103
110	ft	9.4	9.4	9.6	12.6	11.7	11	11.1	10.3	9.6	12.3		11	10.1	12.8		11.1	10.2			12.7	11.1	10.1	110
117	ft	8.8	8.9		11.8	11.1	10.5	10.3	9.7	9.2	11.5		10.5	9.7	12.1		10.6	9.8			12	10.6	9.8	117
124	ft				11.2	10.5	10.1	9.7	9.2	8.9	10.9		10	9.4	11.4		10.2	9.5			11.5	10.2	9.5	124
131	ft				10.4	10.1	9.8	9.2	8.8	8.5	10.4		9.5	9	10.8		9.8	9.2			11	9.8	9.2	131
138	ft				9.9	9.6	9.5	8.7	8.4	8.2	9.8		9.2	8.7	10.4		9.4	8.9			10.4	9.4	8.9	138
145	ft				9.4	9.2	9.3	8.2	8	8	9.3		8.8	8.5	9.9		9	8.6			10	9.1	8.6	145
152	ft				8.9	8.9		7.8	7.6	7.7	8.9		8.4	8.2	9.4		8.7	8.4			9.6	8.7	8.4	152
159	ft				8.6			7.4	7.3	7.5	8.5		8.1	8	9		8.3	8.1			9.2	8.4	8.2	159
166	ft							7.1	7.1		8.1		7.8	7.8	8.6		8	7.9			8.8	8.2	8	166
173	ft							6.8	6.9		7.7		7.5	7.6	8.3		7.8	7.7			8.4	7.9	7.8	173
180	ft										7.4		7.3	7.5	7.9		7.5	7.6			8	7.6	7.6	180
187	ft										7.1		7.1	7.4	7.6		7.6	7.3			7.4	7.5	7.4	187
194	ft										6.9		6.9		7.4		7.1	7.3			7.1	7.1	7.2	194
201	ft										6.7		4.1		7.1		6.9	7.3			6.7	6.9	7.1	201
208	ft														6.9		6.8				6.3	6.5	6.7	208
215	ft														6.7						5.9	6.1	6.1	215
222	ft																				5.4	5.7		222
229	ft																				4.7	5.1		229

TAB 1555645 / 1555694 / 1555743

Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 - 221 ft			23 ft			63 ft			360°			159000 lbs			85%			ft
	177 ft + 23 ft			191 ft + 23 ft			206 ft + 23 ft			221 ft + 23 ft			63 ft						
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°				
40	17.5																		40
47	17.4			14.4			11.7												47
54	16.9			14.3			11.6					9.2							54
61	16.6			14			11.4					9.1							61
68	16.2	13.7		13.8			11.2					9							68
75	15.7	13.4		13.6	12.3		11					8.8							75
82	15	12.8		13.2	12		10.7	10.2				8.5							82
89	14.2	12.2	10.9	12.7	11.6		10.4	9.9				8.3	7.7						89
96	13.5	11.7	10.6	12.1	11.1	10.1	9.9	9.5				8	7.5						96
103	12.9	11.2	10.2	11.5	10.7	9.9	9.4	9.1	8.4			7.6	7.2	7					103
110	12.3	10.8	9.9	11	10.3	9.6	9	8.7	8.6			7.3	6.9	6.8					110
117	11.7	10.4	9.6	10.5	10	9.3	8.6	8.3	8.3			7	6.6	6.5					117
124	11.2	10	9.3	9.9	9.6	9	8.2	7.9	7.9			6.6	6.3	6.2					124
131	10.7	9.7	9.1	9.4	9.2	8.8	7.8	7.5	7.6			6.3	6.1	6					131
138	10.2	9.3	8.8	8.9	8.8	8.5	7.4	7.2	7.2			6	5.8	5.8					138
145	9.8	9	8.5	8.4	8.4	8.3	7.1	6.9	6.9			5.8	5.6	5.5					145
152	9.3	8.7	8.3	8	8	8	6.7	6.6	6.7			5.5	5.3	5.3					152
159	8.7	8.4	8.1	7.5	7.6	7.8	6.4	6.3	6.4			5.2	5.1	5.1					159
166	8.2	8.1	7.9	7.1	7.3	7.4	6	6	6.1			4.9	4.9	4.9					166
173	7.6	7.7	7.7	6.6	6.9	7.1	5.7	5.7	5.8			4.6	4.7	4.7					173
180	7.1	7.3	7.4	6.2	6.5	6.7	5.3	5.5	5.6			4.3	4.5	4.5					180
187	6.6	6.9	7	5.7	6.1	6.3	4.9	5.2	5.3			4.1	4.2	4.3					187
194	6.1	6.5	6.7	5.3	5.7	5.9	4.5	4.9	5			3.8	4	4.1					194
201	5.7	6	6.2	4.8	5.3	5.5	4.1	4.5	4.7			3.5	3.7	3.9					201
208	5.2	5.6	5.7	4.4	4.8	5	3.8	4.1	4.4			3.2	3.5	3.7					208
215	4.8	5.1	5.2	4	4.4	4.6	3.4	3.8	4			2.9	3.2	3.4					215
222	4.4	4.7	4.7	3.6	4	4.1	3	3.4	3.6			2.6	2.9	3.1					222
229	4.1	4.3	4.3	3.2	3.5	3.6	2.7	3	3.2			2.3	2.6	2.8					229
236	3.6	3.9	3.8	2.9	3.1	3.2	2.3	2.6	2.7				2.3	2.5					236
243				2.5	2.7	2.7													243

TAB 1555645 / 1555694 / 1555743

Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 ft + 23 ft			88 ft + 23 ft			103 ft + 23 ft			132 ft + 23 ft			147 ft + 23 ft			162 ft + 23 ft			ft	
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
14	27.9																		14	
16	28																		16	
18	28.1																		18	
20	28																		20	
24	27.6			23.3															24	
28	27.1			23.3			20.6												28	
32	26.3			23.3			20.7			19									32	
36	25.5			23.2			20.6			19			17.7						36	
40	24.2	18.1		23			20.6			19			17.7				16.2		40	
47	21.7	18		22.4	17.5		20.2			19			17.7				16.2		47	
54	19.3	16.8		21.6	17.3		19.1	15		18.7			17.6				16.2		54	
61	17.2	15.5	13.1	20.3	16.4		18.1	14.7		18	14.2		17.3	14			16		61	
68	15.3	14.2	12.9	19.1	15.5	12.9	16.7	13.7		17.1	13.9		16.5	13.8			15.7	13	68	
75	13.9	13	12.2	17.8	14.5	12.7	15.4	12.8	11.1	16.1	13.2		15.8	13.1			15.1	12.8	75	
82	12.5	12	11.4	16.4	13.6	12.2	14.2	12	10.9	15.1	12.4	10.8	15	12.4	10.7		14.4	12.2	82	
89	11.4	11.1	10.7	15.1	12.8	11.6	13.2	11.4	10.3	14.1	11.8	10.5	14.2	11.8	10.5		13.8	11.6	10.2	89
96	10.5	10.3	10	14	12.1	11.1	12.3	10.7	9.9	13.2	11.2	10.1	13.4	11.3	10.1		13.1	11.1	10	96
103	9.7	9.6	9.4	13.1	11.4	10.6	11.4	10.1	9.4	12.4	10.7	9.7	12.6	10.7	9.7		12.5	10.6	9.6	103
110	9.1	9	8.9	12.2	10.8	10.1	10.7	9.6	9	11.7	10.2	9.3	11.9	10.3	9.3		11.8	10.2	9.3	110
117	8.4	8.5	8.6	11.4	10.3	9.7	10.1	9.1	8.6	11.1	9.7	9	11.3	9.8	9		11.2	9.8	9	117
124	7.9	8		10.8	9.8	9.3	9.4	8.7	8.3	10.4	9.3	8.6	10.7	9.4	8.7		10.7	9.4	8.7	124
131				10.2	9.3	9	8.9	8.3	8	9.9	8.9	8.3	10.1	9	8.4		10.3	9	8.4	131
138				9.6	8.9	8.8	8.5	7.9	7.7	9.4	8.5	8.1	9.7	8.7	8.2		9.8	8.7	8.2	138
145				9.1	8.6	8.5	8	7.6	7.4	9	8.2	7.8	9.3	8.4	7.9		9.3	8.4	7.9	145
152				8.7	8.3	8.4	7.6	7.2	7.2	8.5	7.9	7.6	8.9	8	7.7		9	8.1	7.7	152
159				8.2	8		7.2	6.9	7	8.2	7.6	7.4	8.4	7.8	7.5		8.6	7.9	7.5	159
166				7.9	7.8		6.9	6.7	6.8	7.8	7.3	7.2	8.1	7.5	7.3		8.3	7.6	7.4	166
173							6.5	6.4		7.4	7	7	7.8	7.2	7.1		7.9	7.4	7.2	173
180							6.3	6.3		7.1	6.8	6.9	7.5	7	7		7.6	7.1	7	180
187										6.9	6.6	6.8	7.2	6.8	6.9		7.3	6.9	6.9	187
194										6.6	6.4	6.7	6.9	6.6	6.7		7	6.7	6.8	194
201										6.4	6.3	4.1	6.6	6.4	6.7		6.7	6.5	6.7	201
208										6.2	6.2		6.4	6.3	6.6		6.3	6.4	6.6	208
215										3.1			6.2	6.2			6	6.2	6.3	215
222													6.1	6.1			5.6	5.8	5.8	222
229																	5.2	5.4	5.3	229
236																	4.6	5		236

TAB 1555652 / 1555701 / 1555750

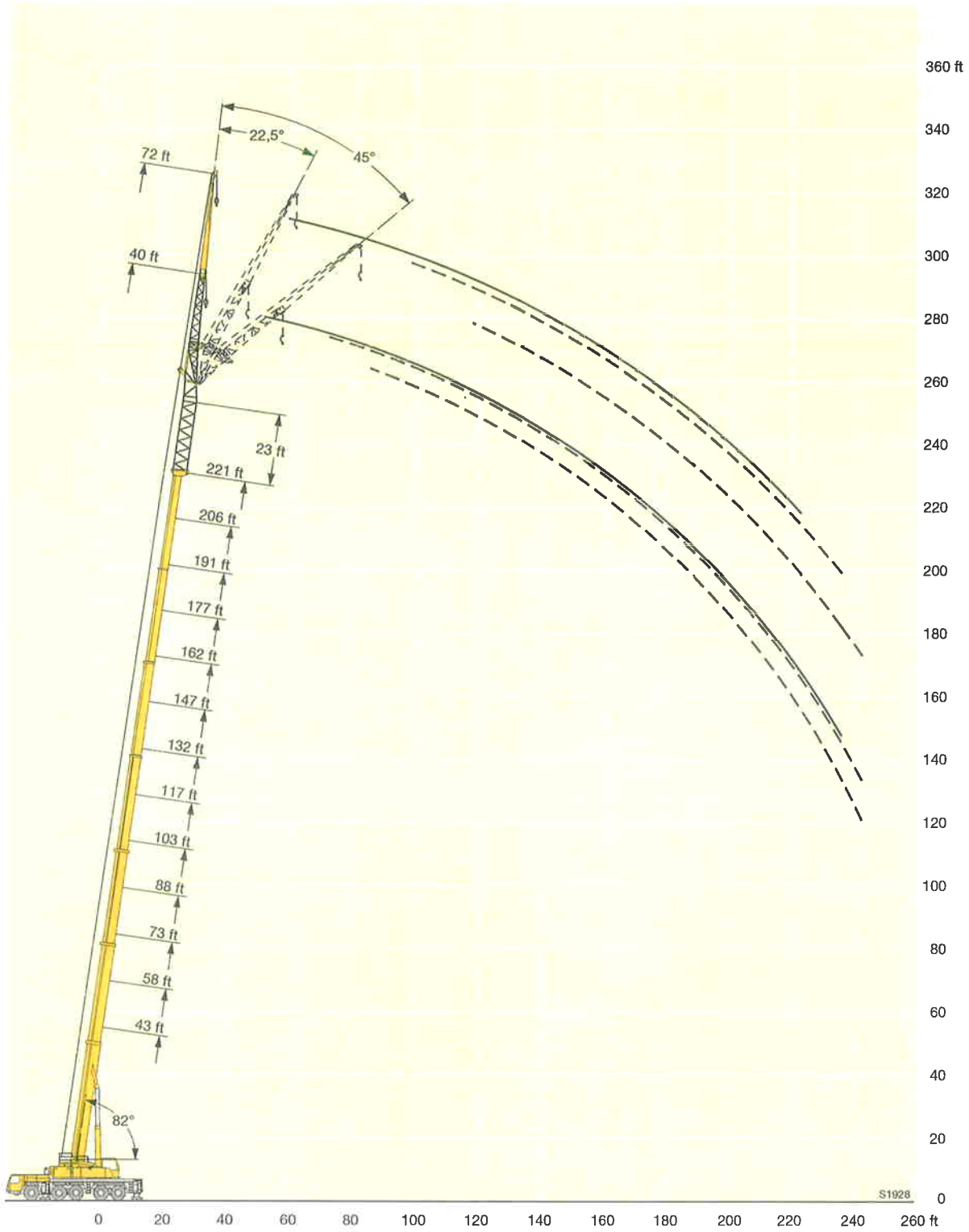
Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	177 ft + 23 ft			191 ft + 23 ft			206 ft + 23 ft			221 ft + 23 ft			ft
	72 ft			72 ft			72 ft			72 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
40	14.6												40
47	14.5			12.5									47
54	14.4			12.5			10.2			8.2			54
61	14.3			12.2			10.1			8.1			61
68	14			12			9.9			8			68
75	13.8	12		11.9			9.8			7.9			75
82	13.4	11.7		11.7	10.9		9.7			7.7			82
89	12.9	11.2		11.4	10.6		9.5	9.1		7.6			89
96	12.5	10.8	9.6	11.2	10.2		9.2	9		7.4	7		96
103	12	10.4	9.4	10.9	9.9	9	8.9	8.6		7.2	6.8		103
110	11.5	10	9.1	10.5	9.5	8.8	8.5	8.3	7.8	6.9	6.5		110
117	11	9.6	8.8	10	9.2	8.5	8.2	7.9	7.7	6.6	6.3	6.1	117
124	10.5	9.2	8.6	9.5	8.9	8.3	7.8	7.6	7.5	6.3	6	5.9	124
131	10	8.9	8.3	9	8.6	8.1	7.5	7.2	7.3	6	5.7	5.7	131
138	9.6	8.6	8.1	8.6	8.3	7.9	7.1	6.9	7	5.8	5.5	5.5	138
145	9.3	8.3	7.9	8.2	8	7.7	6.8	6.7	6.7	5.5	5.3	5.3	145
152	8.9	8	7.7	7.8	7.7	7.5	6.4	6.4	6.4	5.2	5.1	5.1	152
159	8.5	7.8	7.5	7.4	7.4	7.3	6.2	6.1	6.2	4.9	4.9	4.9	159
166	8	7.6	7.3	7	7.1	7.2	5.8	5.8	5.9	4.7	4.7	4.7	166
173	7.5	7.3	7.2	6.6	6.8	6.9	5.5	5.5	5.7	4.4	4.5	4.5	173
180	7.1	7	7	6.1	6.5	6.6	5.2	5.3	5.4	4.2	4.3	4.3	180
187	6.6	6.7	6.8	5.7	6.1	6.3	4.9	5.1	5.2	3.9	4.1	4.2	187
194	6.2	6.4	6.6	5.3	5.7	6	4.5	4.8	5	3.7	3.9	4	194
201	5.8	6.1	6.3	4.9	5.3	5.6	4.2	4.5	4.7	3.4	3.7	3.8	201
208	5.4	5.7	6	4.5	4.9	5.2	3.8	4.2	4.4	3.1	3.4	3.6	208
215	4.9	5.3	5.5	4.1	4.5	4.8	3.4	3.9	4.1	2.9	3.2	3.4	215
222	4.5	4.9	5	3.7	4.1	4.4	3.1	3.5	3.7	2.6	2.9	3.2	222
229	4.2	4.5	4.5	3.3	3.7	3.9	2.7	3.2	3.4	2.3	2.7	2.9	229
236	3.8	4.1	4.1	2.9	3.3	3.4	2.4	2.8	3		2.4	2.6	236
243	3.4	3.7		2.6	2.9	2.9		2.4	2.6				243
250					2.6								250

TAB 1555652 / 1555701 / 1555750

Lifting heights
Hauteurs de levage



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 ft + 23 ft			88 ft + 23 ft			103 ft + 23 ft			132 ft + 23 ft			147 ft + 23 ft			162 ft + 23 ft			ft	
	86 ft			86 ft			86 ft			86 ft			86 ft			86 ft				
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°		
18	24.4																		18	
20	24.5																		20	
24	24.5																		24	
28	24.6																		28	
32	24.3				21.4			18.4											32	
36	23.5				21.3			18.4			16.6								36	
40	22.6				21.2			18.2			16.6			15.5			14		40	
47	20.6	15.3			20.6			17.9			16.5			15.4			14		47	
54	18.3	15			19.6	14.6		17			16.2			15.2			13.8		54	
61	16.2	13.8			18.4	14.3		15.7	12.1		15.8			14.9			13.6		61	
68	14.4	12.6			17	13.4		14.5	11.8		14.9	11.5		14.5			13.3		68	
75	12.8	11.5	9.9		15.5	12.5		13.5	11.1		14	11.2		13.8	10.8		13	10.5	75	
82	11.6	10.6	9.7		14.2	11.7	9.7	12.4	10.3		13.2	10.6		13	10.5		12.4	10.3	82	
89	10.6	9.7	9.2		13.2	10.9	9.6	11.5	9.7	8.5	12.4	10		12.3	10		11.9	9.8	89	
96	9.7	9	8.6		12.2	10.3	9.2	10.7	9.1	8.2	11.5	9.5	8.2	11.6	9.5	8.2	11.4	9.4	96	
103	8.9	8.4	8		11.2	9.7	8.7	10	8.6	7.8	10.8	9	8	11	9	8	10.8	8.9	7.8	103
110	8.2	7.7	7.5		10.5	9.1	8.3	9.3	8.1	7.4	10.1	8.5	7.6	10.3	8.6	7.6	10.2	8.5	7.6	110
117	7.5	7.2	7.1		9.8	8.6	8	8.7	7.7	7.1	9.6	8.1	7.3	9.7	8.2	7.3	9.7	8.1	7.3	117
124	7	6.8	6.7		9.2	8.1	7.6	8.2	7.3	6.8	9	7.7	7	9.2	7.8	7.1	9.2	7.8	7	124
131	6.5	6.3	6.5		8.6	7.8	7.3	7.7	6.9	6.5	8.5	7.4	6.8	8.7	7.5	6.8	8.7	7.5	6.8	131
138					8.1	7.4	7	7.2	6.5	6.2	8	7	6.5	8.2	7.1	6.6	8.3	7.2	6.6	138
145					7.7	7	6.8	6.8	6.2	6	7.6	6.7	6.3	7.8	6.8	6.4	7.9	6.9	6.4	145
152					7.2	6.7	6.6	6.4	5.9	5.7	7.2	6.4	6.1	7.5	6.6	6.1	7.5	6.6	6.2	152
159					6.8	6.4	6.4	6	5.7	5.5	6.8	6.2	5.9	7.1	6.3	6	7.2	6.4	6	159
166					6.5	6.2	6.3	5.7	5.4	5.4	6.5	5.9	5.7	6.8	6.1	5.8	6.9	6.1	5.8	166
173					6.2	6		5.4	5.2	5.2	6.2	5.7	5.5	6.4	5.8	5.6	6.6	5.9	5.7	173
180					5.9	5.8		5.1	5	5.1	5.9	5.5	5.4	6.1	5.6	5.5	6.3	5.7	5.5	180
187								4.9	4.8		5.6	5.3	5.3	5.9	5.4	5.3	6	5.5	5.4	187
194								4.7	4.7		5.4	5.1	5.2	5.6	5.2	5.2	5.8	5.3	5.3	194
201											5.1	4.9	5.1	5.4	5.1	5.1	5.6	5.2	5.2	201
208											4.9	4.8	5.1	5.2	4.9	5.1	5.4	5	5.1	208
215											4.7	4.6		5	4.8	5	5.1	4.9	5	215
222											4.6	4.6		4.8	4.6	5	4.9	4.7	4.9	222
229														4.6	4.6		4.6	4.6	4.7	229
236														4.5	4.5		4.2	4.4	4.5	236
243																	3.7	4.1		243

TAB 1555659 / 1555708 / 1555757

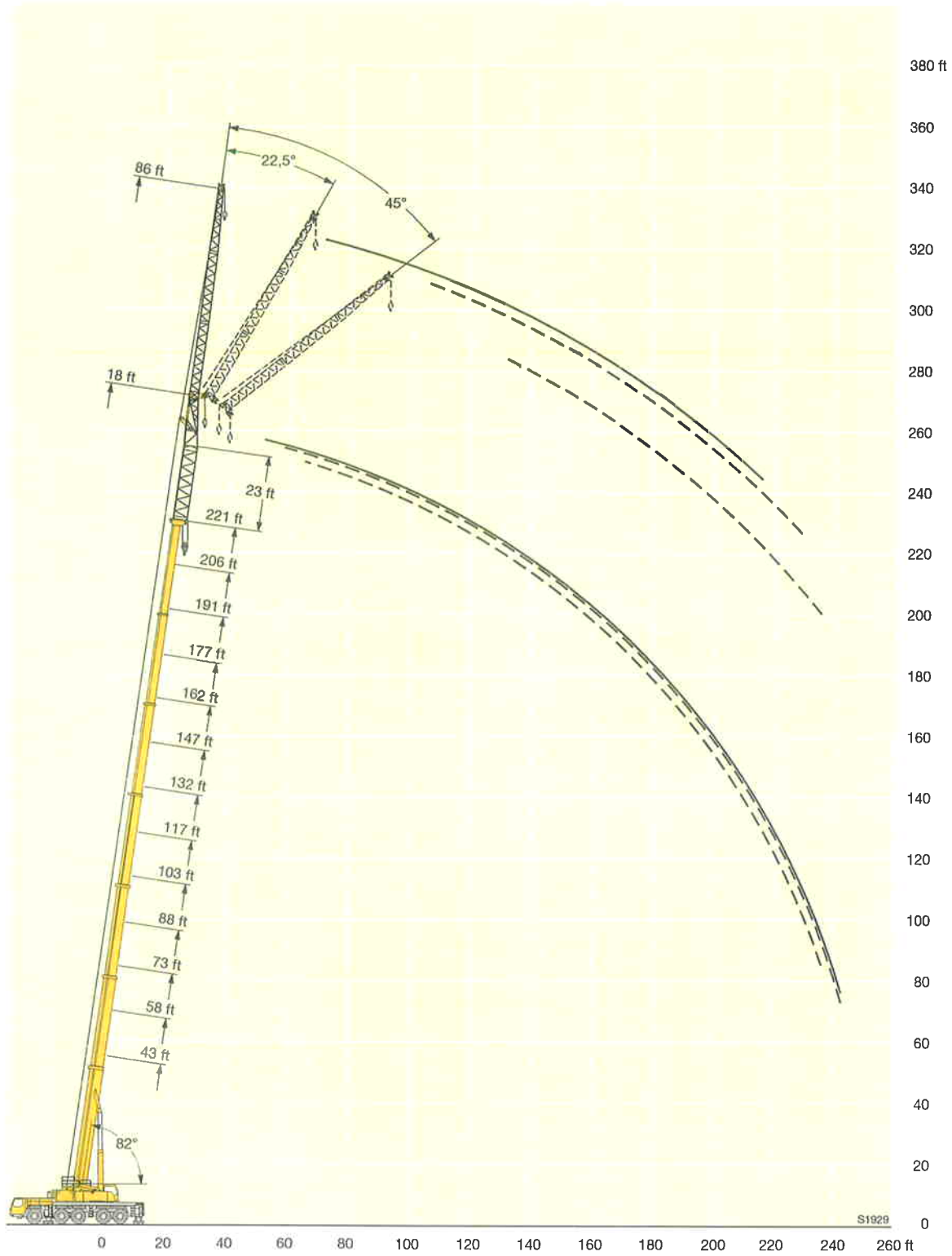
Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 - 221 ft			23 ft			86 ft			360°			159000 lbs			85%		
	177 ft + 23 ft			191 ft + 23 ft			206 ft + 23 ft			221 ft + 23 ft								
	86 ft			86 ft			86 ft			86 ft								
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	ft			
47	12.2			10.3											47			
54	12.1			10.3			8.3								54			
61	11.9			10.1			8.2								61			
68	11.7			9.9			8.1						6.1		68			
75	11.4			9.7			7.9						6		75			
82	11.2	9.7		9.6			7.8						5.9		82			
89	10.9	9.5		9.4	8.8		7.7						5.8		89			
96	10.6	9.1		9.3	8.6		7.6	7.2					5.8		96			
103	10.3	8.7		9.2	8.2		7.3	7.2					5.7	5.4	103			
110	9.8	8.3	7.3	9	7.9		7.1	7.1					5.4	5.2	110			
117	9.4	8	7.1	8.8	7.6		6.8	6.8					5.2	5	117			
124	9	7.6	6.9	8.4	7.3		6.6	6.5	4.8				4.9	4.7	124			
131	8.5	7.3	6.7	8	7.1		6.3	6.2	4.6				4.7	4.5	131			
138	8.1	7.1	6.5	7.6	6.8		5.9	5.9	4.5				4.4	4.3	138			
145	7.8	6.8	6.3	7.2	6.6		5.6	5.6	4.3				4.2	4.1	145			
152	7.5	6.5	6.1	6.8	6.4		5.3	5.3	4.1				4	3.9	152			
159	7.2	6.3	5.9	6.4	6.2		5	5.1	3.9				3.7	3.7	159			
166	6.8	6.1	5.8	6	5.9		4.7	4.8	3.7				3.5	3.5	166			
173	6.5	5.9	5.6	5.7	5.7		4.4	4.6	3.6				3.3	3.3	173			
180	6.1	5.7	5.5	5.3	5.5		4.2	4.3	3.4				3.1	3.2	180			
187	5.7	5.5	5.4	4.9	5.2		3.9	4.1	3.2				2.9	3	187			
194	5.4	5.3	5.2	4.5	5		3.6	3.8	3				2.6	2.8	194			
201	5.1	5.1	5.1	4.1	4.7		3.2	3.6	2.8					2.6	201			
208	4.7	4.9	5.1	3.7	4.3		2.9	3.3	2.7					2.4	208			
215	4.3	4.7	5	3.3	3.9		2.6	3.1	2.5					2.3	215			
222	3.9	4.4	4.6	2.9	3.5		2.3	2.8	2.2						222			
229	3.5	3.9	4.1	2.6	3.1			2.5							229			
236	3.1	3.5	3.7	2.2	2.7			2.2							236			
243	2.8	3.1	3.2												243			
250	2.4	2.7	2.6												250			

TAB 1555659 / 1555708 / 1555757

Lifting heights Hauteurs de levage



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la flèche pliante à variation hydraulique ou mécanique avec télescope rallongé

ft	43 ft + 23 ft			88 ft + 23 ft			103 ft + 23 ft			132 ft + 23 ft			147 ft + 23 ft			162 ft + 23 ft			ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	
20	18.2																		20
24	18.3																		24
28	18.3			16.4															28
32	18.3			16.5			14.7												32
36	18.1			16.5			14.7			13.6									36
40	17.8			16.5			14.7			13.6			12.8			11.9			40
47	17.1			16.4			14.7			13.6			12.8			11.9			47
54	15.9	12.5		16			14.6			13.6			12.8			11.8			54
61	14.7	12.3		15.5	12		14			13.5			12.7			11.7			61
68	13.4	11.6		14.7	11.8		13.4	10.7		13.2			12.6			11.6			68
75	12.2	10.9		13.8	11.3		12.6	10.4		12.7	10.2		12.2			11.4			75
82	11.1	10.1	8.5	13	10.8		11.7	9.8		12.2	9.9		11.9	9.6		11.1	9.4		82
89	10.2	9.4	8.3	12.2	10.2	8.3	10.8	9.2		11.5	9.4		11.4	9.3		10.8	9.2		89
96	9.3	8.7	8	11.4	9.7	8.2	10.1	8.6	7.7	10.9	8.9		10.9	8.9		10.5	8.7		96
103	8.6	8.1	7.7	10.6	9.1	8	9.5	8.2	7.4	10.2	8.4	7.4	10.3	8.5	7.3	10.1	8.3		103
110	7.9	7.5	7.3	9.9	8.6	7.8	8.8	7.7	7	9.6	8	7.2	9.7	8.1	7.1	9.6	8	7	110
117	7.3	7	6.8	9.3	8.1	7.5	8.3	7.3	6.7	9.1	7.6	6.9	9.1	7.7	6.9	9.1	7.6	6.8	117
124	6.8	6.6	6.4	8.7	7.7	7.1	7.8	6.9	6.4	8.5	7.3	6.6	8.7	7.4	6.6	8.6	7.3	6.6	124
131	6.3	6.1	6.1	8.1	7.3	6.8	7.3	6.5	6.1	8	6.9	6.3	8.3	7	6.4	8.2	7	6.3	131
138	5.9	5.8		7.7	7	6.6	6.9	6.2	5.9	7.6	6.6	6.1	7.8	6.7	6.2	7.8	6.7	6.1	138
145	5.5			7.3	6.7	6.4	6.5	5.9	5.6	7.2	6.4	5.9	7.4	6.4	6	7.5	6.5	5.9	145
152				6.9	6.3	6.1	6.1	5.6	5.4	6.9	6.1	5.7	7.1	6.2	5.7	7.2	6.2	5.8	152
159				6.5	6.1	6	5.8	5.4	5.2	6.5	5.8	5.5	6.8	6	5.5	6.8	6	5.6	159
166				6.2	5.8	5.8	5.5	5.1	5.1	6.2	5.6	5.3	6.4	5.7	5.4	6.5	5.8	5.4	166
173				5.9	5.6	5.7	5.2	4.9	4.9	5.9	5.4	5.2	6.1	5.5	5.2	6.2	5.5	5.3	173
180				5.6	5.4		4.9	4.7	4.8	5.6	5.2	5	5.8	5.3	5.1	6	5.3	5.1	180
187				5.3	5.3		4.7	4.5	4.7	5.4	5	4.9	5.6	5.1	5	5.7	5.2	5	187
194				5.2			4.4	4.4		5.1	4.8	4.8	5.4	4.9	4.8	5.5	5	4.9	194
201							4.3	4.2		4.9	4.6	4.7	5.1	4.8	4.7	5.3	4.9	4.8	201
208							4.1			4.7	4.5	4.6	4.9	4.6	4.7	5.1	4.7	4.7	208
215										4.5	4.4	4.6	4.7	4.5	4.6	4.9	4.6	4.6	215
222										4.3	4.2		4.5	4.3	4.6	4.7	4.4	4.6	222
229										4.4	4.3	4.6	4.4	4.3	4.6	4.5	4.3	4.5	229
236										4.2	4.2		4.2	4.2		4.2	4.2	4.4	236
243													4			3.9	4	4.2	243
250																3.6	3.8		250

TAB 1555666 / 1555715 / 1555764

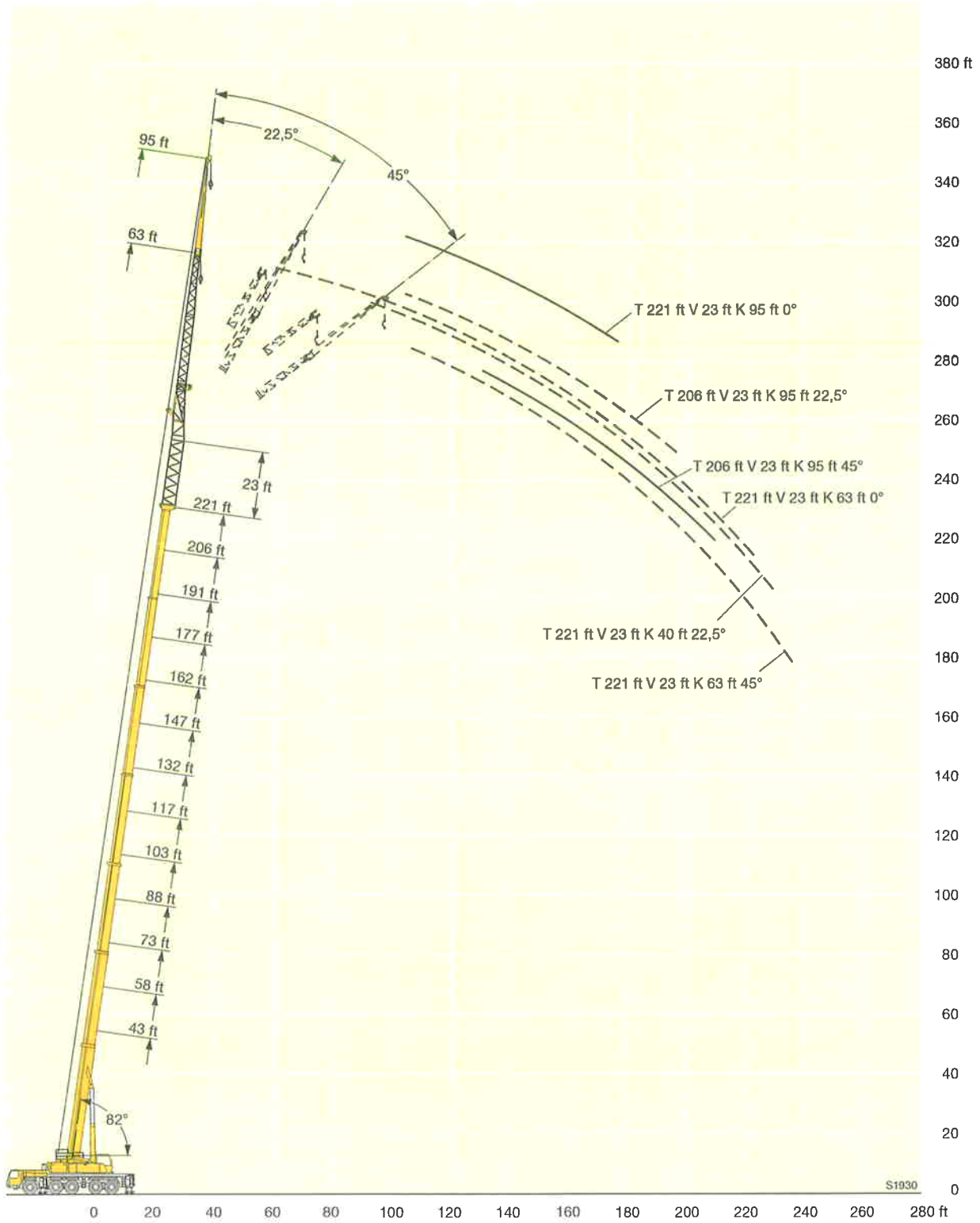
Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

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

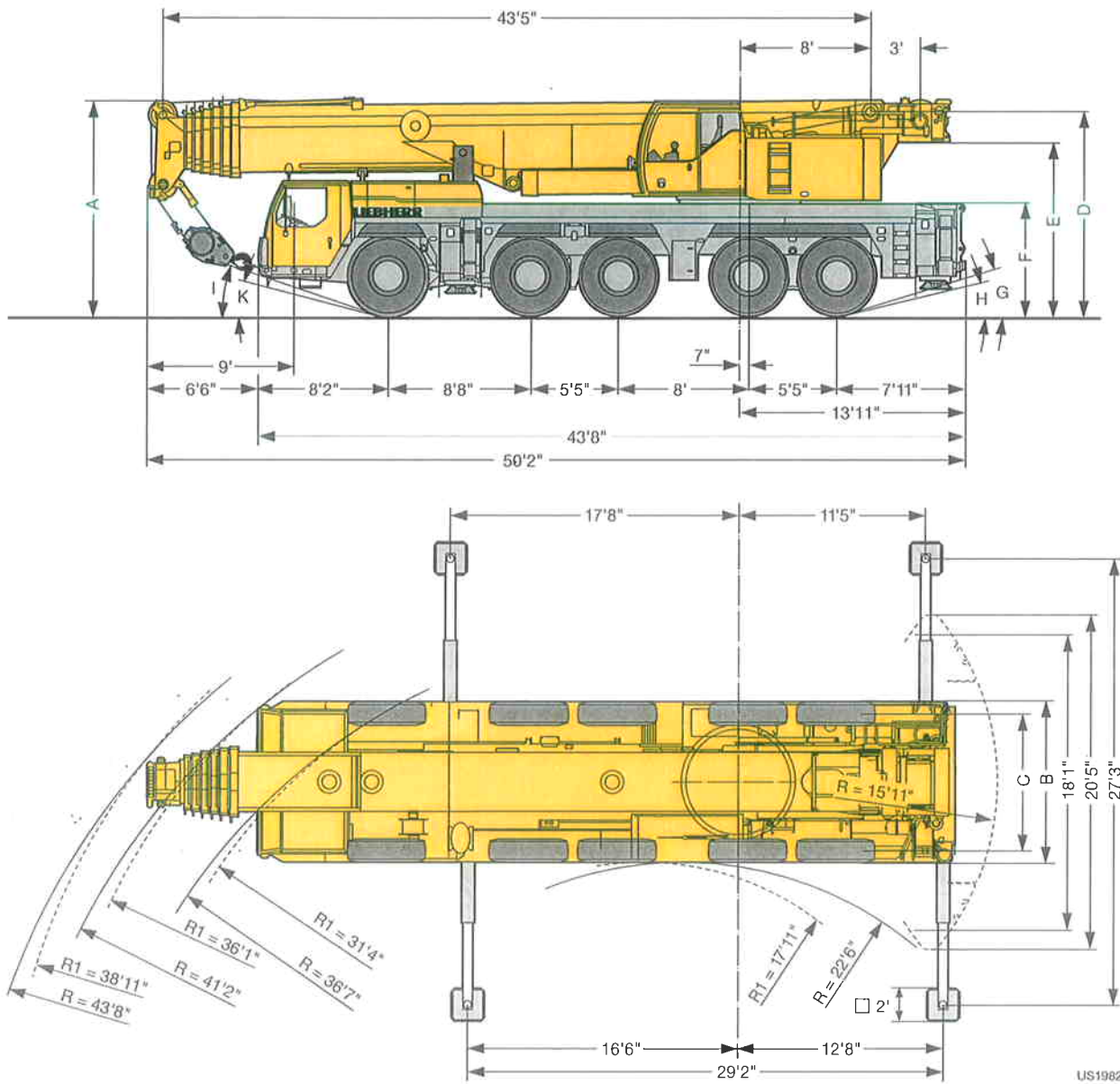
ft	177 ft + 23 ft			191 ft + 23 ft			206 ft + 23 ft			221 ft + 23 ft	ft
	95 ft			95 ft			95 ft			95 ft	
	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	
47	10.6			9			7.3				47
54	10.6			8.9			7.3				54
61	10.4			8.8			7.2				61
68	10.3			8.6			7.1				68
75	10.1			8.5			7				75
82	9.9			8.4			6.9				82
89	9.8	8.7		8.3	7.9		6.8			4.8	89
96	9.6	8.4		8.2	7.7		6.6	5.4		4.6	96
103	9.5	8.1		8.1	7.4		6.5	5.2		4.5	103
110	9.2	7.8		8	7.1		6.3	5		4.5	110
117	8.8	7.4	6.6	7.8	6.8	6.2	6.1	4.7		4.4	117
124	8.5	7.1	6.5	7.5	6.6	6.1	5.9	4.5	4.3	4.3	124
131	8.1	6.9	6.3	7.2	6.4	5.9	5.6	4.3	4.2	4.1	131
138	7.7	6.6	6	6.9	6.1	5.7	5.4	4	4	3.9	138
145	7.3	6.4	5.9	6.5	6	5.5	5.1	3.8	3.9	3.7	145
152	7.1	6.1	5.7	6.2	5.8	5.4	4.8	3.6	3.7	3.5	152
159	6.8	5.9	5.5	5.9	5.6	5.3	4.5	3.4	3.6	3.3	159
166	6.5	5.7	5.4	5.5	5.4	5.1	4.3	3.3	3.4	3.1	166
173	6.2	5.5	5.2	5.2	5.2	5	4	3.1	3.2	2.9	173
180	5.9	5.3	5.1	4.9	5	4.9	3.7	2.9	3.1	2.7	180
187	5.6	5.2	5	4.5	4.8	4.8	3.5	2.7	2.9	2.5	187
194	5.3	5	4.9	4.1	4.6	4.6	3.2	2.5	2.7		194
201	5	4.8	4.7	3.7	4.3	4.5	2.9	2.4	2.6		201
208	4.7	4.7	4.7	4	4.3	4.3	2.6		2.4		208
215	4.3	4.6	4.6	3	3.6	4	2.3		2.2		215
222	3.9	4.4	4.5	3.7	4.3	3.6					222
229	3.6	4.1	4.3	2.7	2.9	3.2					229
236	3.2	3.7	3.9	2.4	2.5	2.8					236
243	2.9	3.3	3.4								243
250	2.5	2.9	3								250
257	2.6										257

TAB 1555666 / 1555715 / 1555764

Lifting heights Hauteurs de levage



Dimensions Encombrement



R₁ = All-wheel steering · Direction toutes roues

⊙	Dimensions · Encombrement mm										
	A	A 6" *	B	C	D	E	F	G	H	I	K
16.00 R 25	13'1"	12'8"	9'10"	8'4"	12'4"	10'6"	6'9"	17°	14°	20°	16°
20.5 R 25	13'1"	12'8"	10'2"	8'5"	12'4"	10'6"	6'9"	17°	14°	20°	16°

* lowered · abaissé

Weights Poids



Axle Essieu lbs	1	2	3	4	5	Total weight lbs Poids total lbs
	26400	26400	26400	26400	26400	132000



Load (kips) Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
332.9	9	16	4409
315.3	7	15	3306
238	5	11	2866
156.5	3	7	2292
69	1	3	1851
23.1	-	1	1102

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	3,54	4,54	5,84	7,52	9,51	12,24	16,10	20,63	26,60	34,18	43,37	49,71	3,79	4,91	43 %
	1,55	1,99	2,55	3,29	4,16	5,34	7,02	9,01	11,62	14,85	18,89	24,23	1,68	2,11	55 %



Drive Mécanismes	ininitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 - 427 ft/min single line ft/min au brin simple	0.8" / 920 ft	23605 lbs
	0 - 427 ft/min single line ft/min au brin simple	0.8" / 920 ft	23605 lbs
	0 - 1.3 rpm		
	approx. 50 seconds to reach 82° boom angle env. 50 s jusqu'à 82°		
	approx. 580 seconds for boom extension from 43 ft - 236 ft env. 580 s pour passer de 43 ft - 236 ft		

Equipment Equipment

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, type D846 A7, watercooled, output 370 kW (503 h.p.) at 1900 min ⁻¹ , max. torque 1635 lbs-ft at 1200 – 1500 min ⁻¹ . Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 129 gallons.
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.
Axles	Welded design, made of high-tensile fine grained steel. All axles steerable. Axles 2, 4 and 5 are planetary axles with differential locks.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveaumatik suspension” and are lockable hydraulically.
Tyres	10 tyres, size: 16.00 R 25.
Steering	ZF-servocom power steering, dual circuit system with hydraulic servo system and auxiliary pump system, driven by the axle. At road displacement, axles 3, 4 and 5 electrohydraulically speed-dependent and from 18.6 mph, axles 3 and 4 are fixed to straight displacement. From 37.3 mph, axle 5 is fixed straight. Steering according to EG directive 70/311 EWG.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2 nd and 5 th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear. Brakes acc. to EG directives 71/320 EWG.
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, lighting acc. to traffic regulations.

Crane superstructure

Frame	Self-manufactured, weight-optimized and torsion resistant welded design of high-tensile structural steel; linked by a triple-row roller slewing rim 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 677 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: 66 gallons.
Crane drive	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Control	Electronic control by the LICCON computer system (PLC control), 2 selfcentering hand control levers (joy-stick type), with winch and slewing gear signal devices. Infinitely variable crane motions.
Hoist gear	Axial piston variable displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake. Actuation by closed regulated oil circuit.
Luffing gear	1 differential ram with nonreturn valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake.
Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Safety devices	LICCON 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 6 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system “Telematik”. Boom length: 43 ft – 236 ft.
Counterweight	159000 lbs
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib	40 ft – 118 ft long, mountable to the telescopic boom at 0°, 22,5° or 45°, integrated erection jib of 18 ft. Hydraulic ram for operating the swing-away jib from 0° – 45° (option).
Telescopic boom extension	23 ft long lattice section, thus 23 ft higher pinning 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.
Tyres	10 tyres, size 20.5 R 25.
Drive 10 x 8	Additional drive of the 1 st axle.

Other items of equipment available on request.

Equipment Equipment

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	Moteur diesel, 6 cylindres, fabriqué par Liebherr, de type D846 A7, à refroidissement par eau, de 370 kW (503 ch) à 1900 min ⁻¹ , couple max. 1635 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: 129 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande AS-TRONIC. Ralentisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Construction soudée en acier haute résistance à grains fins pour l'ensemble des 5 essieux. Tous les essieux sont directeurs. Essieux 2, 4 et 5 planétaires avec blocage du différentiel.
Suspension	Suspension hydropneumatique «Niveaumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus de taille: 16.00 R 25.
Direction	Direction hydraulique ZF Servocom, à 2 circuits, assistée hydrauliquement, avec pompe auxiliaire entraînée par essieu. Lors de déplacements sur route, les essieux 3, 4 et 5 sont dirigés électrohydrauliquement en fonction de la vitesse, et à partir de 18.6 mph, les essieux 3 et 4 sont fixés en marche rectiligne. A partir d'env. 37.3 mph, l'essieu 5 est fixé en marche rectiligne. Direction conforme aux directives européennes 70/311 CE.
Freins	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus: frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur hydrodynamique accouplé à la boîte de vitesses. Freins conformes aux directives européennes 71/320 CE.
Cabine du conducteur	Cabine spacieuse en tôle d'acier traitement anti-corrosion 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.
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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. 677 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: 66 gallons.
Entraînement de la grue	Diesel hydraulique avec 5 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Commande	Commande électronique par l'ordinateur LICCON (commande SPS). Deux leviers de commande à 4 positions et à autocentrage, avec capteur de rotation des treuils et du mécanisme d'orientation. Commande des mouvements progressive.
Mécanisme de levage	Moteur hydraulique à cylindrée variable, treuil de marque Liebherr avec réducteur planétaire à frein d'arrêt à lamelles intégrées, en circuit hydraulique fermé.
Mécanisme de relevage	1 vérin hydraulique différentiel avec clapets anti-retour de sécurité.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, engrenage planétaire, frein d'arrêt commandé par ressort.
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, «LICCON», 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 6 éléments télescopiques. Tous les éléments télescopiques indépendamment les uns des autres. Système de télescopage séquentiel rapide, «Telematik». Longueur de flèche: 43 ft – 236 ft.
Contrepoids	159000 lbs
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Fléchette pliante	Longueur: 40 ft – 118 ft, montable sous un angle de 0°, 22,5° ou 45°, fléchette de montage intégrée de 18 ft de long. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 45° (en option).
Rallonge flèche télescopique	Élément en treillis de 23 ft, de cette manière point d'articulation plus haute de 23 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.
Pneumatiques	10 pneus. Taille: 20.5 R 25.
Entraînement 10 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 above 295400 lbs/332900 lbs only with additional pulley block/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 dépliée déposée.
8. Forces de levage plus de 295400 lbs/332900 lbs seulement avec moufle additionnel/équipement supplémentaire.

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