Mobile crane LTM 1130-5.1

Max. lifting capacity:	130 t
Max. lifting height:	91 m
Max. working radius:	72 m



LIEBHERR

Mobile Crane LTM 1130-5.1
Flexible and economical to operate



The Liebherr LTM 1130-5.1 mobile crane is characterised by its long telescopic boom, strong lifting capacities, exceptional mobility and comprehensive comfort and safety equipment. This 130-tonner features top-of-the-range technology, making it even more effective in operation.

- **60-m telescopic boom**
- **19-m folding fly-jib, hydraulically adjustable (option)**
- **60-t overall weight, incl. 9-t ballast at 12-t axle load**
- **Vehicle width: 2.75 m with 16.00 R 25 tyres**
- **Great flexibility of use due to optimum lifting capacities with full and partial ballast**
- **Active, speed-dependent rear-axle steering**
- **Pneumatic disc brakes**







Drivetrain

- Six-cylinder Liebherr turbo-diesel engine, 370 kW/503 hp at 1900 rpm, max. torque: 2355 Nm at 1200 – 1500 rpm
- Automated ZF AS-TRONIC gearbox, 12 forward and 2 reverse speeds
- ZF intarder directly at the gearbox
- 2-stage transfer case, 0.78 km/h crawling speed
- Axles two, four and five driven, axle one as option



State-of-the-art chassis and drive technology

High mobility and cost effectiveness

A powerful six-cylinder Liebherr turbo-diesel engine with 370 kW/503 hp ensures swift driving performance. The12-speed ZF gearbox with automated AS-TRONIC control system provides a high level of cost effectiveness and excellent comfort.

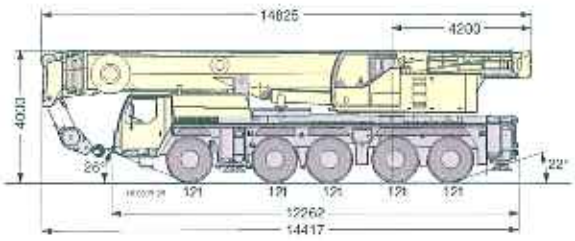
- Reduced fuel consumption through large number of gears and the efficiency of the dry coupling
- Excellent manoeuvrability and minimum crawling speed thanks to two-stage transfer case
- Wear-free braking with ZF intarder

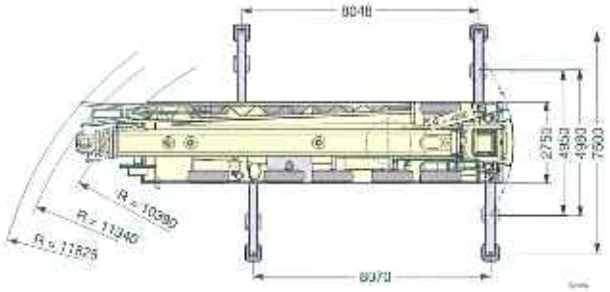


Compact, agile and weight-optimised

Thanks to its extremely compact design, the LTM 1130-5.1 can operate on the smallest of construction sites. At an axle load of 12 t, it can drive with up to 9 t of ballast, making it flexible and economical to use.

- Chassis length only 12.3 m
- Smallest turning-circle radius only 10.4 m
- Vehicle width only 2.75 m, even with 16.00 R 25 tyres
- Ballast radius only 4.2 m





Hydro-pneumatic suspension Niveaumatik

- Maintenance-free suspension cylinders
- Large dimensions to cope with axle loads of up to 40 t
- Suspension travel: +150/-100 mm
- High lateral stability when cornering
- Choice of driving state using fixed programmes



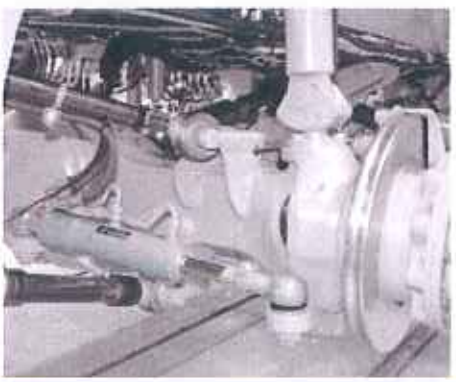
Pneumatic disc brakes

- High braking power, improved control
- Improved directional stability
- No reduction in braking force at high braking temperatures (fading)
- Longer life
- Shorter labour times for changing the screening surfaces
- Brake pads with wear indicators



Five steering programmes

- Programme selection at the touch of a button
- Clear arrangement of control elements and displays
- Programmes can be switched while driving
- Crab steering controlled in comfort via the steering wheel; no lifting of the centre axle



Variable steering concept



Active rear-axle steering

The rear axles are actively electro-hydraulically controlled in accordance with the speed and steering angle of the front axles.

Five different steering programmes (P) can be selected at the touch of a button.

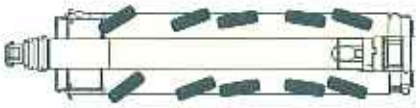
- Much-reduced tyre wear
- Improved manoeuvrability
- Stable driving behaviour even at high speeds
- All five axles can be steered

High safety standards – entire know-how from Liebherr

- Centring cylinder for automatic straightening of rear axles in case of fault
- Two independent hydraulic circuits with wheel- and engine driven hydraulic pump
- Two independent control computers

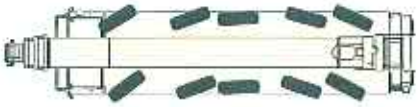
P1 Road steering

Axles 1 and 2 are steered mechanically using the steering wheel. Axles 3, 4 and 5 are actively steered, depending on speed and the front axle lock angle. At speeds of 30 km/h and over, axles 3 and 4 are set to straight-ahead position and locked; at 60 km/h and over, axle 5 is locked in the same forward position.



P2 All-wheel steering

Using the steering wheel, axles 3, 4 and 5 are turned in accordance with the steering angle of axle 1 in such a way as to achieve the smallest possible turning radii.



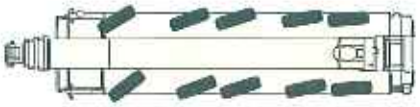
P3 Crab steering

Axles 3, 4 and 5 are turned in the same direction as the wheel lock on axles 1 and 2 using the steering wheel.



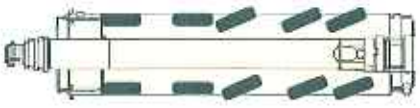
P4 No swing-out steering

Axles 3, 4 and 5 are turned as a function of the wheel lock on axle 1 in such a way as to prevent the rear end swinging out.



P5 Independent rear-axle steering

Axles 1 and 2 are turned using the steering wheel; axles 3, 4 and 5 are turned independent of the wheel lock on axles 1 and 2 using buttons, with the wheel lock on axle 3 being adjusted to the situation.



Centring cylinder to straighten rear axles

- Automatic straightening of rear axles in case of fault





The driver's cab

- Corrosion-resistant, cataphoretic dip-primed steel
- Safety glass on all sides
- Tinted glass
- Electric windows
- Heated and electronically adjustable outside mirrors
- Air-sprung driver's seat with lumbar support

Comfort and functionality



Modern driver's cab and crane cab

Both the modern driver's cab and the crane cab that tilts backwards offer a comfortable and functional working environment. The control elements and displays are ergonomically arranged, thereby ensuring safe and fatigue-proof operation.

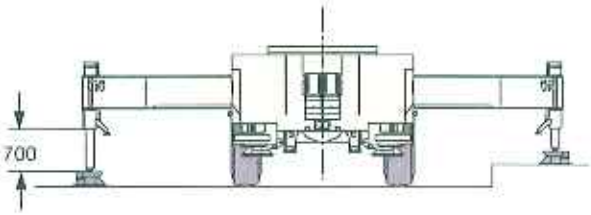
Speedy and safe set-up

The outrigging, ballast assembly and attachment of additional equipment have all been designed with speed, safety and comfort in mind. Specific ascents, handholds and rails are provided to ensure the safety of operating staff.

Supporting crane on outriggers – quick, comfortable and safe

- Control panel with membrane keyboard and electronic incline display
- Fully automatic levelling at the touch of a button
- Engine start/stop and speed control
- Support area lighting with four integrated lights
- Support cylinder stroke: 650 mm front, 700 mm rear
- Two-stage outrigger beams, fully hydraulic, low-maintenance extension system



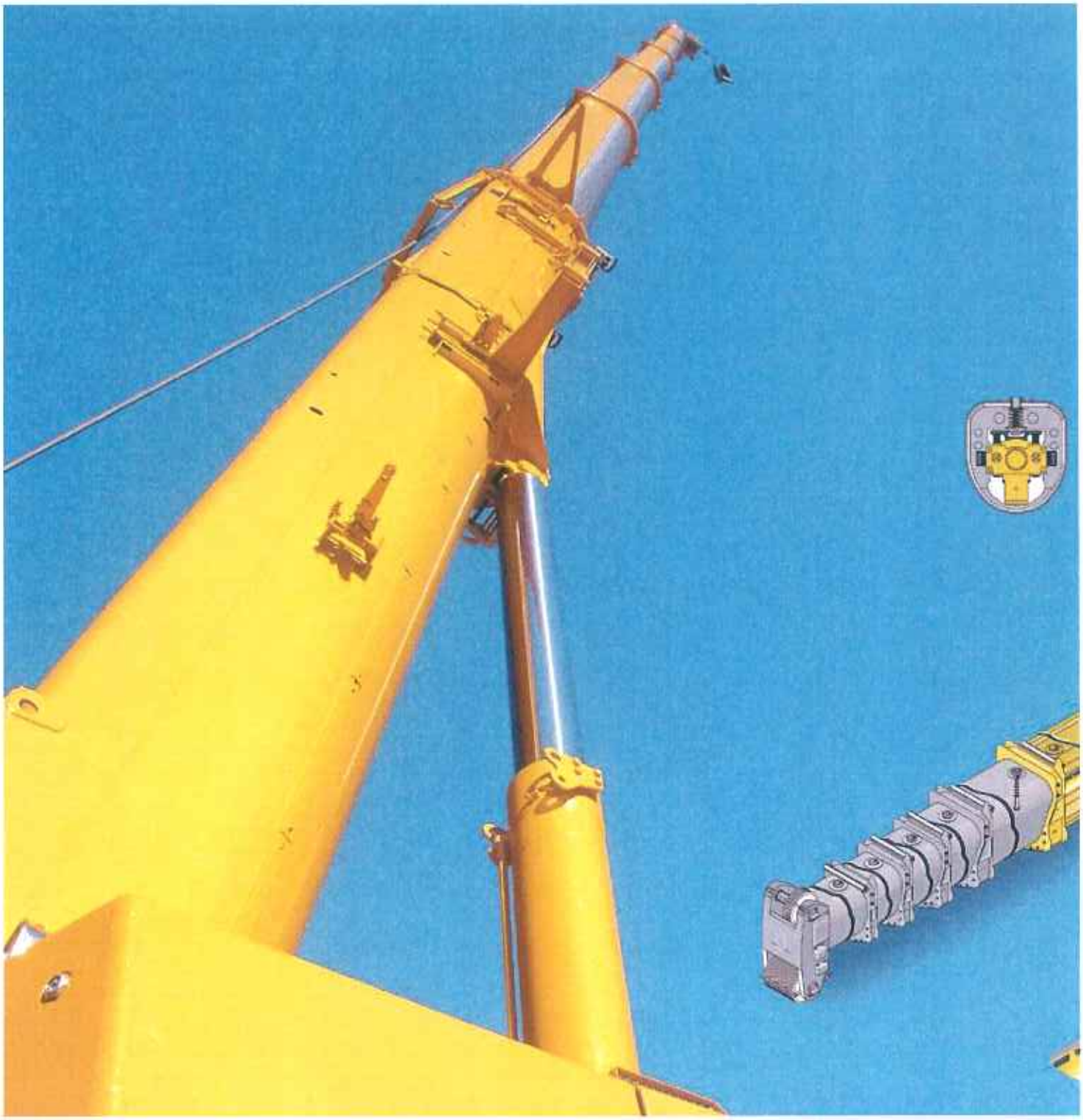


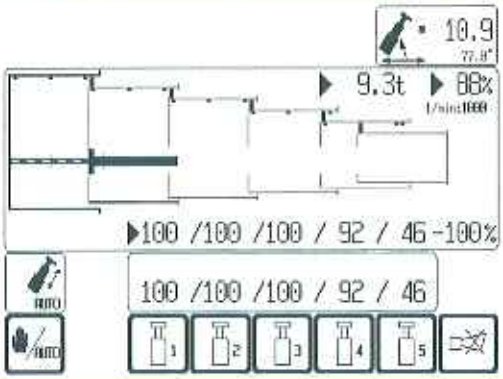




The crane cab

- Corrosion-resistant, galvanised, powder-coated steel
- Safety glass on all sides
- Tinted glass, front wind screen can be opened
- Roof window made from armoured glass
- Operator's seat with lumbar support
- Step to pull out on side
- Can be tilted 20° backwards





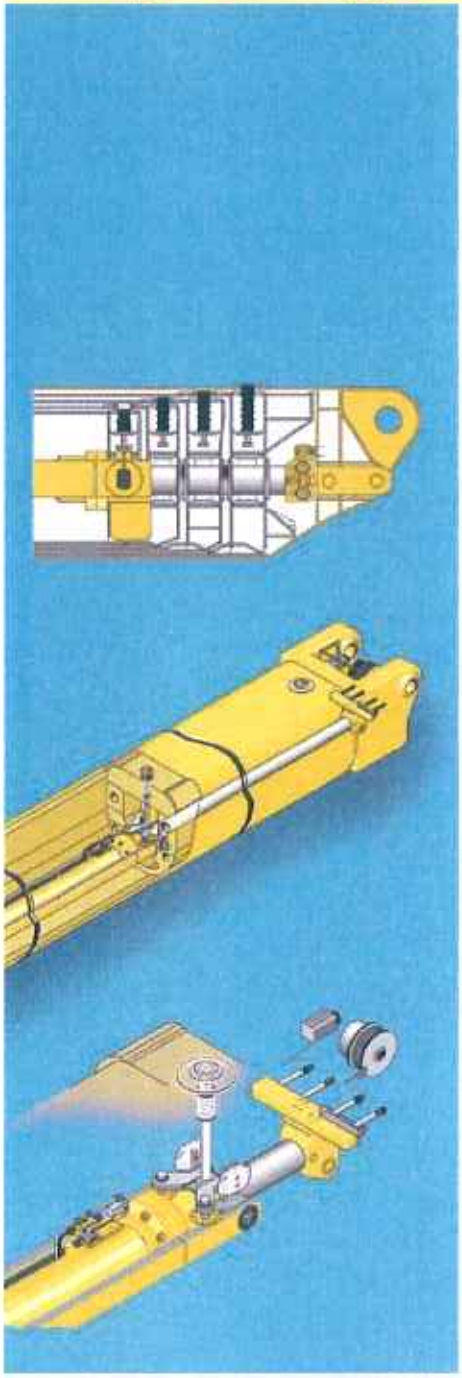
The fully automatic telescoping system „TELEMATIK"

- Greater lifting capacities with longer booms and larger radii thanks to ‚light' telescoping system
- One-stage hydraulic cylinder with hydraulically operated drive pin
- Maintenance-free telescoping system
- Fully automatic telescoping
- Easiest control and monitoring of telescoping action on LICCON screen

Assembly jib



High lifting capacities and flexible boom system



High-capacity, long telescopic boom and functional lattice extensions

The telescopic boom comprises the base section and five telescopic sections which, with the thoroughly tried-and-tested TELEMATIK one-cylinder telescoping system, are conveniently and automatically extended and secured at the required length.

- 60-m telescopic boom
- 10.8-m to 19-m folding fly-jib, attachable at 0°, 20° and 40°
- Hydraulic adjustment of the folding jib between 0° and 40° (optional) at full load, interpolation of the loads
- Hydraulic assembly assistance for attaching the folding jib
- Two 7-m intermediate sections to extend the telescopic boom when using folding jib
- 2.9-m assembly jib
- Rooster sheave, swings away to the side

High lifting capacities both with full and partial ballast offer a wide operational spectrum

- High lateral stability thanks to oval boom profile
- Optimised load capacities due to variety of extension variants
- Telescoping when loaded
- Lifting capacity: 10.5 t at 60 m lifting height
- Maximum hook height: 91 m
- Maximum radius: 72 m

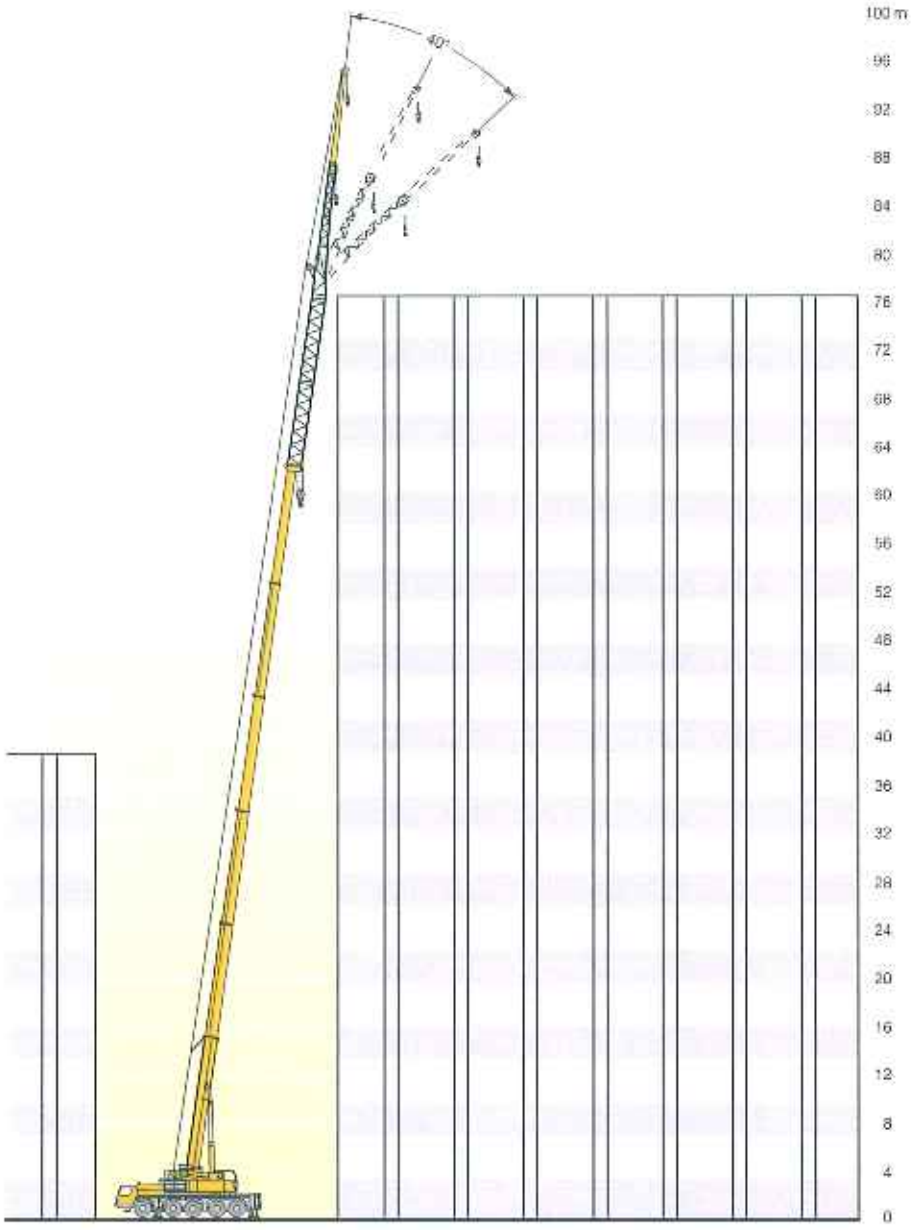


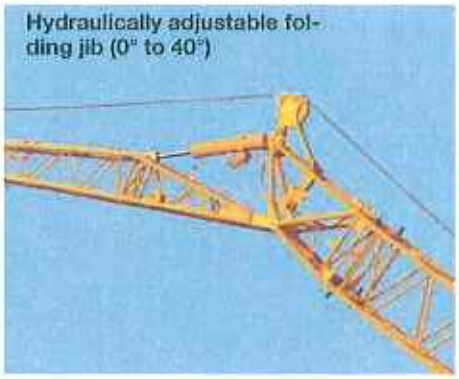
Rooster sheave



Hydraulic assembly assistance for attaching the folding jib

Hydraulic folding jib





Hydraulically adjustable folding jib (0° to 40°)

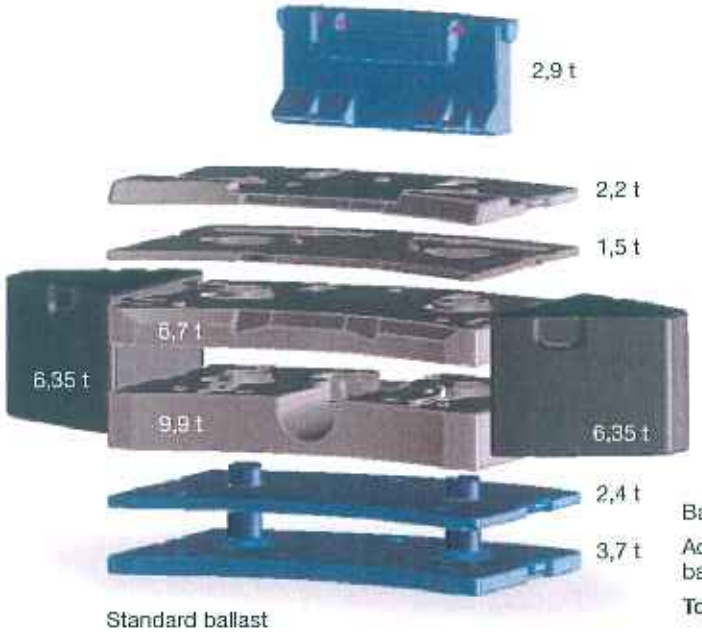


Hose reel for the hydraulic cylinder

Variable counterweight

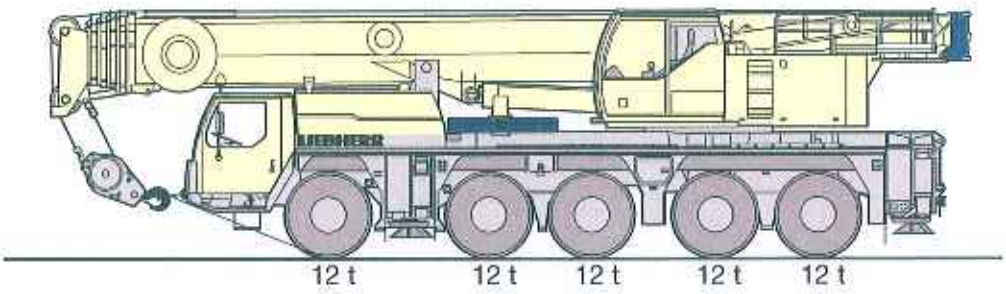
Ballast assembly – in a matter of minutes

- Multiple ballast variations from 2.9 t to 42 t
- Rapid ballasting with keyhole technology from within the crane cab
- Compact ballast dimensions: with a 29.3-t ballast, the ballast width is only 2.73 m
- Ballast radius: only 4.2 m
- 60-t total weight incl. 9-t ballast at 12-t axle load



Standard ballast

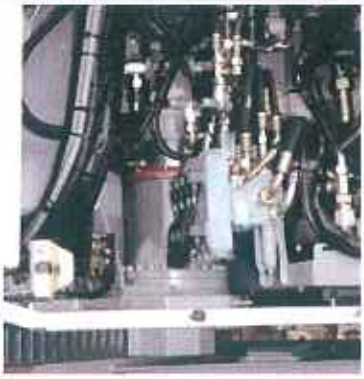
Basic ballast	29,3 t
Additional ballast	12,7 t
Total	**42,0 t**





The hoist gear

- Liebherr hoisting winch with built-in planetary gearing and spring-loaded multi-disc brake
- Line pull: 88 kN at the outer layer
- Max. rope speed: 110 m/min



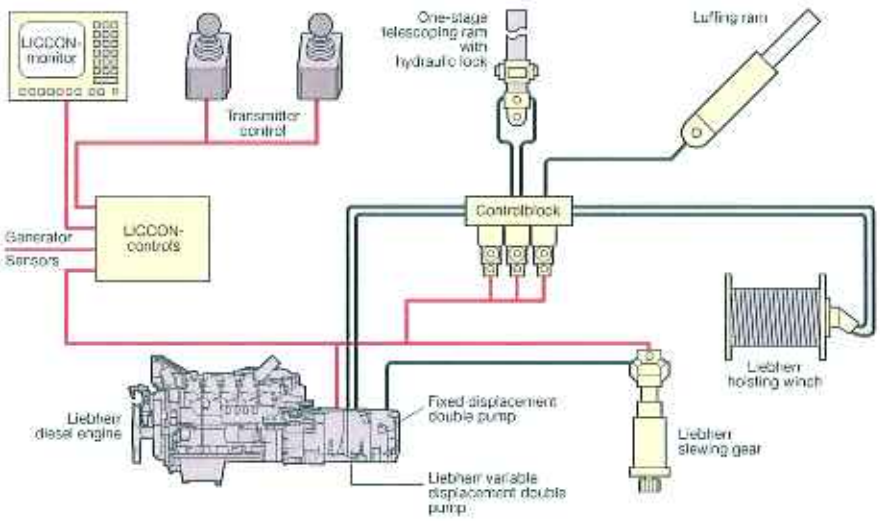
High-power crane drive



With tried-and-tested components

The drive components for crane operation are constructed for high performance and ensure sensitive and precise load handling. They are specially designed to suit the crane's usage and have been subjected to hard endurance tests.

- Crane engine: four-cylinder Liebherr turbo-diesel engine, 145 kW/197 hp at 1800 rpm, 920 Nm max. torque at 1100 to 1500 rpm, optimised fuel consumption thanks to electronic engine management
- Diesel-hydraulic crane drive, open oil circuits with electric LOAD SENSING control, four simultaneous working motions possible
- Electric/electronic SPS crane control via LICCON computer system
- Slewing gear can be switched as standard: released or hydraulically locked. The movement can thus be optimally adapted to the different operating requirements, e.g. sensitive assembly work or rapid work cycles
- Self-manufactured Liebherr winches, 88 kN line pull at the outer layer, greater line pull means less rope reeving is needed



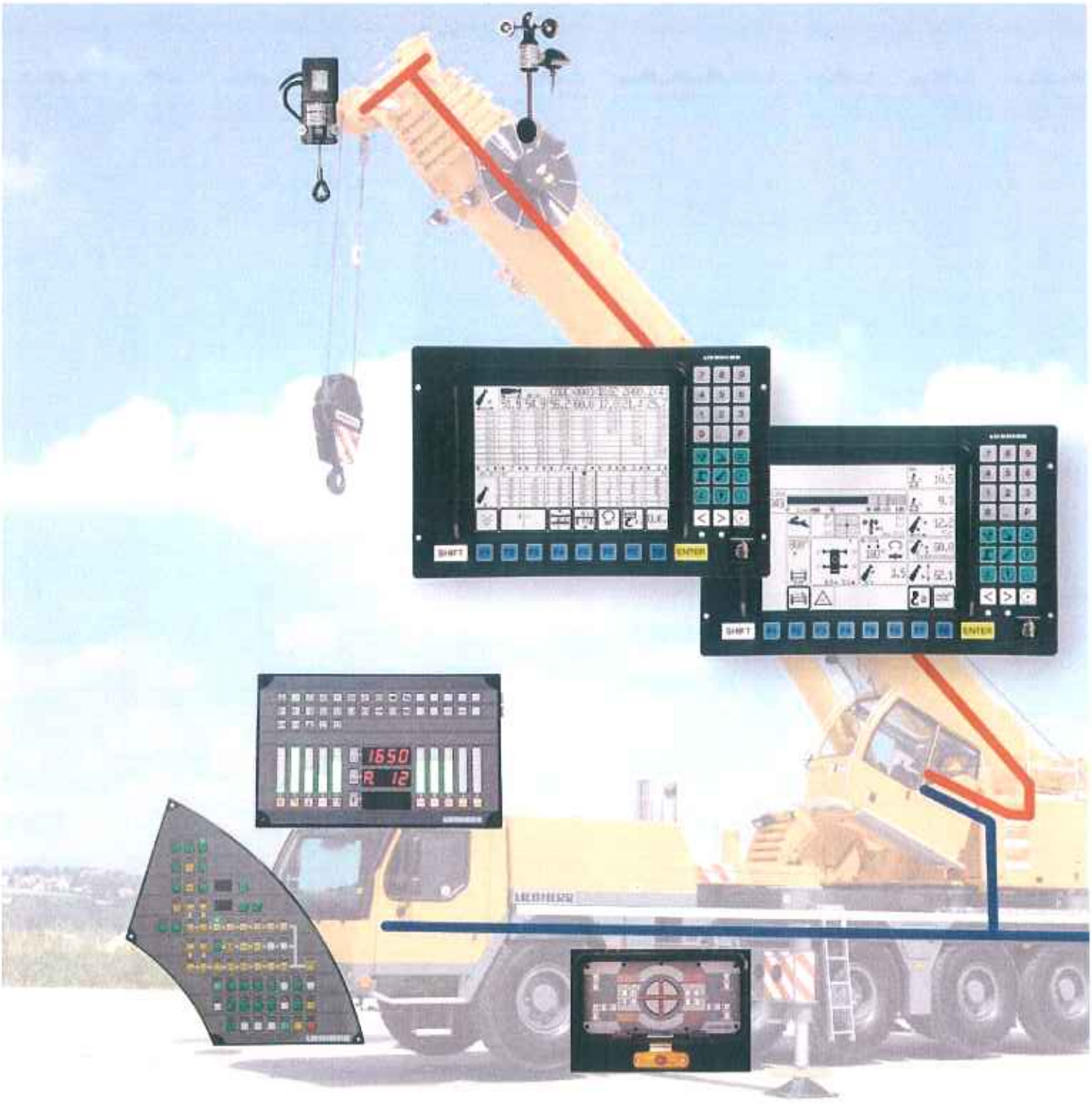
The slewing gear

- Liebherr planetary gearing, spring-loaded multi-disc brake
- Can be switched as standard: released or hydraulically locked
- Slewing speed can be steplessly adjusted from 0 to 1.5 rpm
- Six stages can be pre-selected, from 15% to 100%



Centralised lubrication

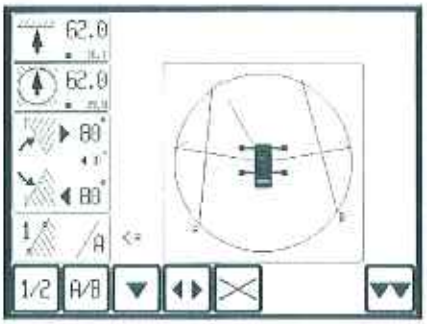
- Centralised lubrication system as standard for slewing ring, boom bearings, luffing ram and winch bearings
- Uniform application of lubricant
- Lubricant level visible in transparent container at all times





The LICCON test system

- Rapid localisation of problems without any other measuring instruments
- Error code and description displayed
- Convenient interactive functions for monitoring all inputs and outputs
- Displays functions and allocation of sensors and actuators



Intelligent crane controls



For functional and safe crane operation: the LICCON computer system

Both the software and hardware for operating the mobile crane have been developed by Liebherr itself. At the centre stands the LICCON computer system (Liebherr Computed Controlling). This system performs various information, control and monitoring functions. The control components have proved themselves all over the world in the most diverse climatic conditions.

LICCON configuration and operating programme

- Application programmes:
  - Safe load indicator (LMB)
  - Configuration programme with configuration diagram
  - Operating programme with operating diagram
  - Telescoping programme with telescoping diagram
- Setting of the configuration using convenient interactive functions
- Representation of all important data using graphic symbols
- Reliable cut-off when permissible load moments are exceeded
- Winch indications for highly precise lifting/lowering of load

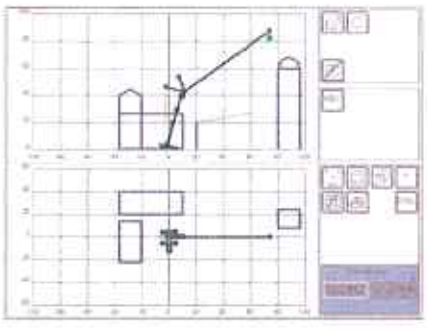
Data bus technology

Liebherr mobile cranes are fully networked using data bus systems. All major electric and electronic parts are fitted with their own microprocessors and communicate with each other via only a small number of data cables. Liebherr has developed a bus system to meet the special demands of mobile cranes. The data bus technology increases reliability, comfort and safety when driving and operating the cranes:

- Improved reliability thanks to greatly reduced number of electric cables and contacts
- Constant self-testing of the 'intelligent sensors'
- Extensive diagnostic options, rapid fault detection

The LICCON work area limitation system (optional)

- Makes the crane operator's job easier by automatically monitoring workspace restrictions such as bridges, roofs, power lines, etc.
- Simple programming
- Four different limitation functions:
  - Pulley-head height limitation
  - Radius limitation
  - Slewing angle limitation
  - Edge limitation



The LICCON works planner (optional)

- Computer programme for planning, simulating and documenting crane operations on a PC
- Representation of all the crane's load charts
- Automatic search for suitable crane based on load, radius and lifting height parameters
- Simulation of crane operations with outline functions and supporting force display

Liebherr-Service worldwide

Liebherr offers a highly efficient worldwide mobile crane service direct from the manufacturer. Highly qualified staff, well-trained in the manufactures factory, look after the cranes locally with the highest-grade service technology. Intelligent warehouse and transport logistics ensure maximum availability of spare parts and speed of delivery. You can always rely on Liebherr Service – **it puts the customer first.**



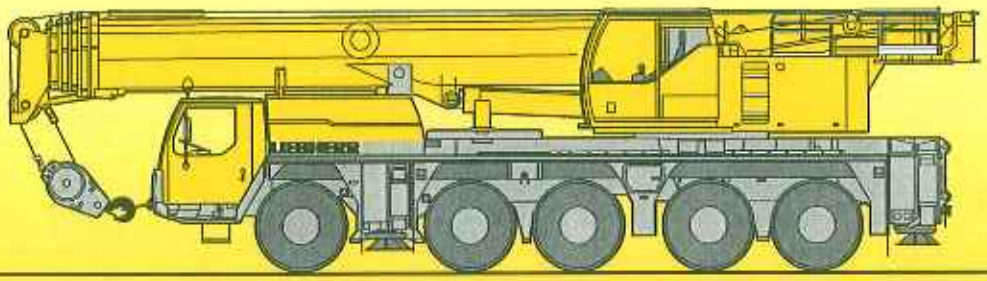
PN 192.00.E02.2007

Liebherr-Werk Ehingen GmbH
Postfach 1361, 89582 Ehingen/Do., Germany
☎ +49 7391 502-0, Fax +49 7391 502-3399
www.liebherr.com, E-Mail: info.lwe@liebherr.com

Mobile Crane
Grue mobile

LTM 1130-5.1

Technical Data
Caractéristiques techniques



LIEBHERR

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



ft	42 ft *	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9		242	182													9
10	305	238	182	182	164											10
12	199	199	182	180	164	130										12
14	182	182	175	166	160	130										14
16	168	168	161	156	151	130	105									16
18	157	157	151	145	140	128	104	76								18
20	148	146	140	135	130	125	102	76	57.5							20
23	132	132	127	122	118	117	98.5	76	57.5							23
26	119	119	117	112	108	107	95.5	75	57.5	47.5						26
29	105	105	108	104	100	98	92	73	57.5	46.9	35.2	38.6				29
32	88	88	99	96	93.5	91	87.5	70	56.9	46.1	35.2	38.6	31	31.5		32
35			90.5	89.5	87.5	84.5	82	67	55.8	45.4	34.6	38.5	31	31.5	25.5	35
38			82.5	82.5	82	79	76.5	63.5	53.6	44.5	33.6	38	30.8	31.4	25.5	38
44			67	70.5	70.5	69.5	67	57.4	48.9	42	31.3	36.2	29.6	30.4	25.4	44
50				60.5	60.5	59.9	57.8	51.7	44.8	38.8	23.1	34.2	28.1	29.2	24.9	50
56				52.2	52.3	51.6	49.9	46.5	40.9	35.9	27	31.9	26.4	27.7	24.1	56
62					45.6	44.8	43.5	42.6	37.4	33.1	25	29.7	24.8	26.1	23.1	62
68					40.1	39.3	38.4	38.9	34.4	30.5	23.2	27.7	23.2	24.6	21.8	68
74						34.7	34.6	34.7	31.3	28.2	21.4	25.7	21.7	23.2	20.5	74
80						31	32.1	30.9	28.3	26.2	19.9	23.9	20.3	21.9	19.4	80
86							28.8	27.6	26.4	24.1	18.5	22.3	19.1	20.5	18.3	86
92							26	24.8	24.2	22	17.1	20.7	17.9	19.3	17	92
98							23.6	22.3	22.8	20.3	16	19.4	16.6	18.1	16	98
104							18.2	20.2	20.7	19	15	18.2	15.8	16.9	15	104
110								19	18.7	17.9	13.9	16.6	14.9	16	13.9	110
116								16.7	17	16.8	13	15.4	14	15	13.1	116
122									15.5	15.5	12.2	14.6	13.2	13.9	12.2	122
128									14.2	14.1	11.4	13.6	12.5	12.7	11.4	128
134										12.8	10.7	12.4	11.8	11.4	10.7	134
140										11.7	10.1	11.3	11.1	10.3	9.9	140
146											9.5	10.3	10.3	9.2	9.1	146
152											8.7	9.5	9.5	8.4	8.3	152
158													8.8	7.7	7.5	158
164													8.1	6.9	6.8	164
170													6.5	6.2	6.2	170
176															5.5	176

* over rear - en arrière

1AR 1825331 / 1825351

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



↔ ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	↔ ft
9	244	182													9
10	240	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	160	130										14
16	168	161	156	151	130	105									16
18	157	151	145	140	128	104	76								18
20	146	140	135	130	125	102	76	57.5							20
23	131	127	122	118	117	98.5	76	57.5							23
26	115	117	112	108	107	95.5	75	57.5	47.5						26
29	102	104	104	100	96.5	90	73	57.5	46.9	35.2	38.6				29
32	87	92	92.5	90.5	86	81	70	56.9	46.1	35.2	38.6	31	31.5		32
35		82.5	84	81	77	72.5	67	55.6	45.4	34.6	38.5	31	31.5	25.5	35
38		74	76	73	69	65	61.5	53.6	44.5	33.6	38	30.8	31.4	25.5	38
44		62	63	60.5	57.4	54.1	53.2	48.3	42	31.3	36.2	29.6	30.4	25.4	44
50			52.7	51.1	48.4	47.5	45.8	42.6	38.8	29.1	34.2	28.1	29.2	24.9	50
56			44.4	43.8	41.4	41.9	39.2	37	34.5	27	31.9	26.4	27.7	24.1	56
62				37.8	36.9	36.4	33.9	32.8	30.6	25	29.2	24.8	26.1	23.1	62
68				32.6	33.6	32	30	29.7	27.9	23.2	26.2	23.2	24.6	21.8	68
74					29.8	28.3	27.4	26.2	25.3	21.4	23.6	21.7	22.9	20.5	74
80					26.3	25.2	25.2	23.4	23	19.9	21.9	20.3	20.4	19.3	80
86						22.5	22.6	21.3	20.5	18.5	19.6	19	18.1	17.8	86
92						20.2	20.3	19.8	18.4	17.1	17.6	17.4	16.1	15.8	92
98						18.9	18.1	17.8	16.8	16	15.7	15.6	14.3	14	98
104						17.3	16.3	16	15.1	14.9	14.2	14.1	12.7	12.5	104
110							14.9	14.4	13.5	13.5	12.7	12.7	11.4	11.1	110
116							13.5	13	12.1	12.1	11.3	11.3	10.1	9.9	116
122								11.7	10.9	10.8	10	10.1	8.9	8.8	122
128								10.6	9.7	9.7	9	9	7.9	7.8	128
134									8.8	8.7	8.1	8.1	7	6.9	134
140									7.9	7.9	7.2	7.2	6.2	6.1	140
146										7.1	6.4	6.5	5.4	5.3	146
152										6.3	5.6	5.7	4.6	4.6	152
158												5	3.8	3.8	158
164												4.4	3.2	3.2	164
170												3.8	2.6	2.6	170

TAB 1825353

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










ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	244	182													9
10	240	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	160	130										14
16	168	161	156	151	130	105									16
18	157	151	145	140	128	104	76								18
20	146	140	135	130	125	102	76	57.5							20
23	126	127	122	118	115	98.5	76	57.5							23
26	110	112	108	105	98.5	91.5	75	57.5	47.5						26
29	96	98	95.5	91	85.5	80	73	57.5	46.9	35.2	38.6				29
32	84.5	85.5	84	80	75.5	71	67.5	56.9	46.1	35.2	38.6	31	31.5		32
35		76.5	74.5	71	67.5	63.5	62	55.3	45.4	34.6	38.5	31	31.5	25.5	35
38		68.5	66.5	64	60	57.8	56.2	51.3	44.5	33.6	38	30.8	31.4	25.5	38
44		54.9	54.7	52.4	49.7	49.1	46.4	43.2	39.9	31.3	36.2	29.6	30.4	25.4	44
50			45.4	43.7	43.1	41.7	39.4	37.7	35.2	29.1	33.1	28.1	29.2	24.9	50
56			38	37.1	37.6	35.6	34.6	32.9	31.5	27	29.6	26.4	27.6	24.1	56
62				32.6	32.6	30.7	30.5	28.9	27.9	25	26.4	24.8	24.9	23	62
68				29.1	28.6	27.2	26.7	25.9	24.4	23.2	23.3	22.8	21.6	21.1	68
74					25.2	24.8	23.5	22.8	21.6	21.1	20.4	20.2	18.8	18.4	74
80					22	22.3	20.9	20.2	19.1	18.9	17.9	17.7	16.4	16.1	80
86						19.7	18.9	18	16.9	16.7	15.8	15.7	14.3	14	86
92						17.5	16.7	16.1	15	14.8	14	13.9	12.5	12.3	92
98						15.6	14.9	14.3	13.4	13.2	12.4	12.3	11	10.7	98
104						14	13.2	12.7	11.9	11.8	11	10.9	9.6	9.4	104
110							11.8	11.3	10.4	10.4	9.6	9.6	8.4	8.2	110
116							10.7	10	9.2	9.2	8.5	8.5	7.3	7.1	116
122								9	8.2	8.2	7.5	7.5	6.3	6.1	122
128								8.1	7.3	7.3	6.6	6.6	5.4	5.2	128
134									6.5	6.5	5.8	5.8	4.6	4.4	134
140									5.6	5.7	4.9	5.1	3.9	3.7	140
146										4.9	4.2	4.3	3.1	3.1	146
152										4.2	3.5	3.6			152
158												3			158
164												2.4			164

TAB 1825355










ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	221														9
10	219	182	181	154											10
12	196	182	179	153	126										12
14	175	175	168	149	125										14
16	157	158	154	143	122	96									16
18	141	142	141	131	117	94.5	72								18
20	125	127	127	117	111	92.5	72	55.1							20
23	106	108	103	99	92	85	70	55.1							23
26	90	91.5	89	84	78	72	67.5	54.1	43.2						26
29	74	77.5	76	72	67	62.5	60.5	53	42.7	32	35.3				29
32	61.5	65.5	65.5	62.5	58.2	56.9	53.4	49.1	42	32	35.3	28.2	28.7		32
35		55.3	56.8	54.7	52.1	51.1	47.3	44.2	40	31.4	35.1	28.2	28.7	23.2	35
38		47.5	49.3	48.4	47.8	45.6	42.7	40.6	37.6	30.5	34.5	28	28.5	23.2	38
44		36.7	38.5	39.6	39.6	37.2	36.3	34.3	32.6	28.5	30.9	26.9	27.6	23.1	44
50			30.8	32.3	32.2	31.8	30.6	29.2	27.8	26.4	26.3	24.9	24.3	22.3	50
56			25.2	26.6	26.6	27.1	26	25	23.6	23.2	22.2	21.6	20.3	19.8	56
62				22.3	22.4	22.7	22.3	21.4	20.1	19.8	18.8	18.5	17.1	16.7	62
68				18.9	19	19.3	19	18.4	17.2	17	16	15.8	14.4	14.1	68
74					16.3	16.6	16.2	15.9	14.8	14.6	13.7	13.6	12.2	11.9	74
80					14.1	14.4	14	13.7	12.8	12.6	11.7	11.6	10.3	10	80
86						12.5	12	11.7	10.9	10.8	10	9.9	8.6	8.4	86
92						10.8	10.3	9.9	9.2	9.2	8.5	8.5	7.2	7	92
98						9.4	8.9	8.6	8	7.9	7.3	7.2	5.9	5.8	98
104						8.2	7.7	7.4	6.8	6.8	6.2	6.1	4.9	4.7	104
110							6.6	6.3	5.7	5.8	5.1	5.1	3.9	3.7	110
116							5.7	5.4	4.8	4.9	4.2	4.3	3		116
122								4.6	3.9	4	3.3	3.5			122
128								3.8	3.2	3.2					128

TAB 1825357

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



ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	243	182													9
10	239	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	160	130										14
16	168	161	156	150	130	105									16
18	153	147	139	133	120	103	76								18
20	136	132	122	116	107	98	76	57.5							20
23	112	106	102	95.5	88.5	82	76	57.5							23
26	92.5	89.5	85.5	80.5	74.5	71	67	57.5	47.5						26
29	77.5	75.5	72.5	68.5	64.5	62.5	58.1	53.3	46.9	35.2	38.6				29
32	65.5	64.5	62.5	59.4	58.1	55.1	51.7	49.1	45	35.2	38.6	31	31.5		32
35		56.1	54.7	52.8	51.9	48.7	47	44.1	40.8	34.6	37.2	31	31.5	25.5	35
38		49.4	48.4	47.9	46.2	43.9	42.5	40.2	37.5	33.6	35.4	30.8	31.4	25.5	38
44		39.1	39.3	39.4	37.7	36.8	35.1	33.6	31.7	30.3	29.9	28.4	27.4	25.2	44
50			32.5	32.6	31.4	30.8	29.3	28	26.4	25.9	24.8	24.4	22.8	22.3	50
56			26.9	27.5	26.5	26.1	24.7	23.6	22.2	21.9	20.8	20.5	19	18.5	56
62				23.4	22.6	22.3	21.1	20.1	18.8	18.6	17.6	17.3	15.9	15.5	62
68				19.9	19.5	19.3	18.1	17.2	16.1	15.9	14.9	14.7	13.3	13	68
74					16.9	16.8	15.7	14.9	13.8	13.6	12.7	12.5	11.2	10.9	74
80					14.5	14.6	13.6	12.8	11.8	11.7	10.8	10.7	9.3	9.1	80
86						12.6	11.9	11.1	10.2	10	9.1	9.1	7.7	7.5	86
92						10.9	10.2	9.6	8.7	8.6	7.7	7.7	6.4	6.2	92
98						9.5	8.8	8.3	7.4	7.3	6.5	6.5	5.2	5	98
104						8.4	7.7	7.2	6.3	6.2	5.4	5.4	4.1	4	104
110							6.7	6.3	5.4	5.3	4.5	4.5	3.2	3	110
116							5.7	5.3	4.5	4.4	3.6	3.6			116
122								4.5	3.7	3.6	2.8				122
128								3.7	2.9	2.9					128

TAB 1825358



ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	242	182													9
10	238	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	160	130										14
16	168	161	156	144	130	105									16
18	151	143	136	126	117	100	76								18
20	133	124	116	109	101	92.5	76	57.5							20
23	106	99.5	96	90	82.5	77	73.5	57.5							23
26	86	83.5	80	75	70.5	67.5	62.5	57	47.5						26
29	71.5	70	67.5	64	62.5	58.6	54.9	52	46.3	35.2	38.6				29
32	60.5	59.9	58.2	56.1	54.7	51.2	49.3	46	42.2	35.2	38.4	31	31.5		32
35		51.9	51.1	50.3	48.2	46.1	44.1	41.7	38.8	34.6	36.7	31	31.5	25.5	35
38		45.6	45.3	45	42.9	41.7	39.6	37.8	35.5	33.6	33.6	30.8	30.3	25.5	38
44		36	36.4	36.5	35	34.3	32.5	30.9	29.2	28.6	27.4	26.7	25.2	23.6	44
50			29.8	30.1	29	28.4	26.9	25.7	24.2	23.7	22.6	22.2	20.7	20.1	50
56			24.6	25.3	24.3	23.9	22.6	21.5	20.2	19.9	18.8	18.6	17.1	16.6	56
62				21.3	20.7	20.4	19.2	18.2	17	16.8	15.8	15.6	14.1	13.8	62
68				18	17.7	17.5	16.4	15.6	14.4	14.2	13.3	13.1	11.7	11.4	68
74					15.2	15.1	14.1	13.3	12.3	12.1	11.2	11.1	9.7	9.4	74
80					13	13.1	12.2	11.4	10.4	10.3	9.4	9.3	8	7.7	80
86						11.2	10.5	9.8	8.8	8.7	7.9	7.8	6.5	6.3	86
92						9.6	8.9	8.4	7.5	7.4	6.5	6.5	5.2	5	92
98						8.4	7.7	7.2	6.3	6.2	5.4	5.3	4.1	3.9	98
104						7.3	6.7	6.2	5.2	5.2	4.4	4.3			104
110							5.6	5.3	4.3	4.3	3.5	3.4			110
116							4.7	4.4	3.5	3.5					116
122								3.5							122
128								2.8							128

TAB 1825360

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



ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	241	182													9
10	238	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	157	130										14
16	166	161	149	136	124	105									16
18	146	139	129	118	109	97	76								18
20	125	116	111	102	94	86.5	75.5	57.5							20
23	98	94	89	83	76	74	67.5	57.5							23
26	79	77	73.5	69	67	62.5	58.4	53.9	47.5						26
29	65.5	64.5	62	60	57.8	53.8	51.8	47.9	43.7	35.2	38.6				29
32	55.3	54.8	53.8	52.9	50.3	48.3	45.6	43.2	39.7	35.2	36.9	31	31.5		32
35		47.4	47	46.5	44.3	43.1	40.6	38.6	36.1	34.4	33.9	31	30.5	25.5	35
38		41.5	41.4	41.2	39.5	38.4	36.3	34.5	32.5	31.8	30.4	29.4	28	25.5	38
44		32.6	33.1	33.3	32	31.3	29.6	28.1	26.4	25.9	24.7	24.2	22.6	21.9	44
50			26.9	27.3	26.3	25.8	24.4	23.2	21.7	21.3	20.2	19.9	18.3	17.8	50
56			22.1	22.8	22	21.6	20.3	19.3	18	17.7	16.7	16.5	15	14.6	56
62				19.2	18.5	18.3	17.1	16.2	15.1	14.8	13.8	13.7	12.2	11.9	62
68				16.1	15.8	15.6	14.6	13.7	12.6	12.4	11.5	11.4	10	9.7	68
74					13.4	13.4	12.4	11.6	10.6	10.5	9.5	9.4	8.1	7.8	74
80					11.3	11.5	10.6	9.9	8.9	8.8	7.9	7.8	6.5	6.3	80
86						9.7	9	8.4	7.4	7.3	6.5	6.4	5.1	4.9	86
92						8.3	7.7	7.1	6.1	6	5.2	5.2			92
98						7.2	6.6	6	5	5	4.1	4.1			98
104						6.1	5.5	5	4.1	4	3.2	3.2			104
110							4.5	4.1	3.2	3.2					110
116							3.7	3.3							116

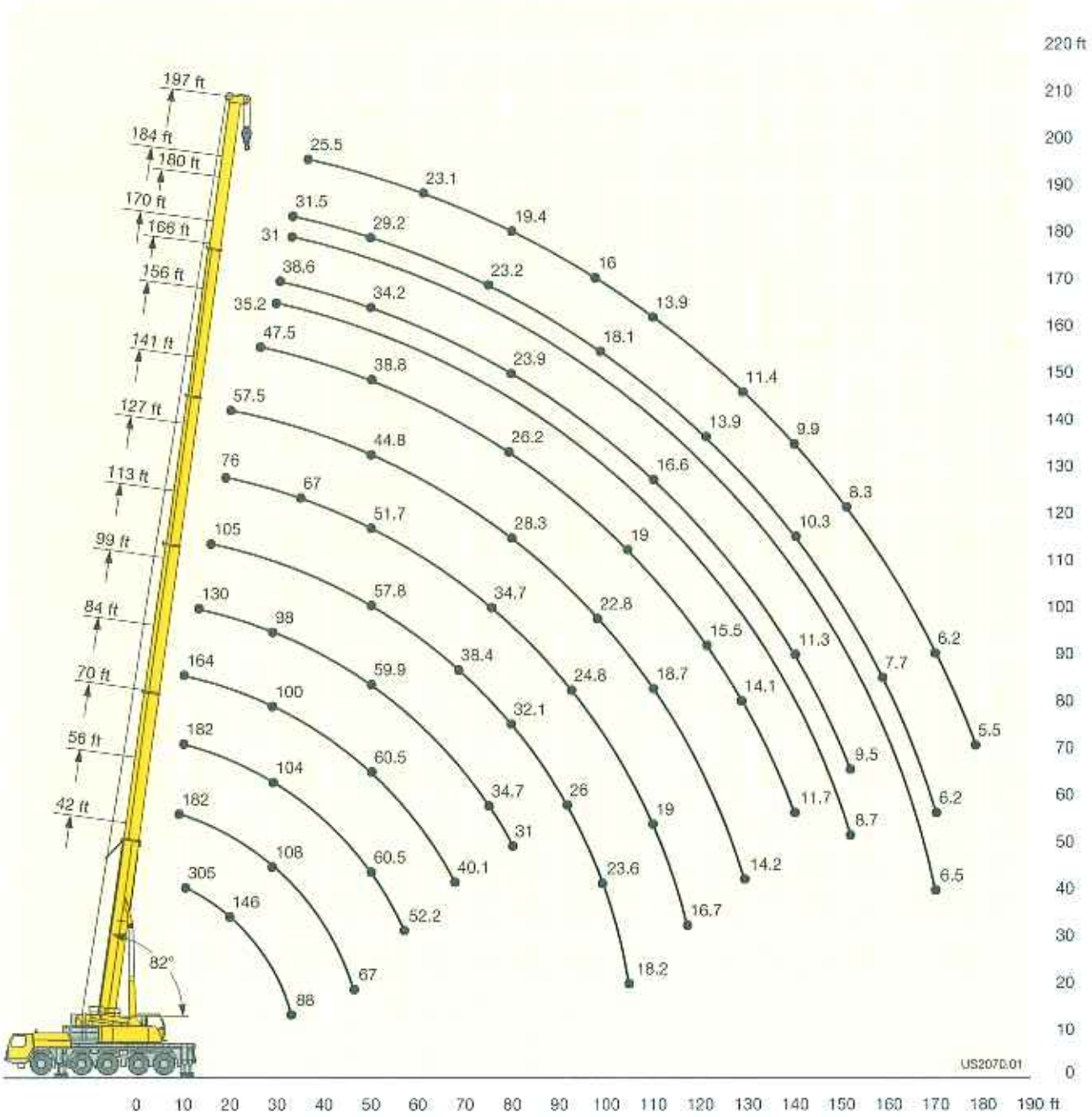
TAB 1821062



ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	216														9
10	214	182	181	154											10
12	190	180	176	150	126										12
14	166	164	151	133	120										14
16	144	135	123	113	101	87									16
18	121	113	103	95.5	86	79	63								18
20	97.5	92.5	86.5	79	73	69	62	49							20
23	73	71.5	68	63	61.5	56.3	52.8	48.9							23
26	57.4	57.7	56.3	54.6	51.3	49.1	45.5	42.9	38.6						26
29	45	47.7	47.2	46.4	43.9	42.2	39.4	37.1	34.4	32	31.2				29
32	36	39.6	40.2	39.9	38	36.6	34.3	32.3	30.1	29.1	27.9	26.1	24.3		32
35		33.3	34.6	34.7	33.1	32.1	30.1	28.3	26.4	25.7	24.4	23.8	22.1	20.2	35
38		28.1	30	30.4	29.1	28.3	26.6	25	23.3	22.7	21.5	21	19.3	18.7	38
44		20.8	22.8	24	23.1	22.6	21.2	19.9	18.5	18.1	17	16.6	15	14.5	44
50			17.5	19	18.6	18.3	17	16	14.7	14.4	13.4	13.1	11.6	11.2	50
56			13.6	15.1	15.1	14.9	13.8	12.9	11.8	11.6	10.6	10.4	9	8.7	56
62				12.1	12.2	12.3	11.3	10.5	9.4	9.3	8.3	8.2	6.8	6.5	62
68				9.7	9.8	10	9.2	8.5	7.5	7.4	6.4	6.4			68
74					7.8	8.2	7.5	6.8	5.9	5.8	4.9	4.8			74
80					6.2	6.6	6	5.4							80
86						5.3	4.8								86
92						4.1									92
98						3.2									98
104						2.4									104

TAB 1821065

Lifting heights
Hauteurs de levage



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



↔ ft	42 ft			113 ft			127 ft			141 ft			156 ft			↔ ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	38.6															12
14	38.6	37.6														14
17	38.5	37.2		38.6												17
20	37.7	35.5		38.6			37.1									20
23	35.7	33.7		38.6			37.1									23
26	33.6	32	26	38.6			36.9			31.3						26
29	31.5	30.3	25	38.6	32.3		36.3			31.3			26			29
32	29.3	28.6	24	38.6	31.4		35.6	29.3		31.1			26			32
35	27.1	27	23.1	38	30.4		34.9	29.3		30.8			26			35
38	25.3	25.4	22.2	37.1	29.5	23.5	34.2	28.8		30.3	27		25.9			38
44	21.8	21.8	19.9	35.2	27.9	22.8	32.8	27.3	22.2	29.4	26.1	21.8	25.4	23.8		44
50	19.1	19.4	18.4	33.5	26.4	21.9	31.4	26.1	21.7	28.5	25	21.3	24.9	23.3	20.2	50
56	17	17.9	17.4	31.7	25.2	21.2	30.2	24.9	21	27.6	24.1	20.6	24.3	22.5	19.8	56
62	15.2	16.8	11.6	29.9	24	20.5	29	23.9	20.4	26.7	23.2	20.1	23.7	21.8	19.4	62
68				28	23	20	27.7	23	19.9	25.8	22.3	19.6	22.9	21.2	18.9	68
74				26.1	22.1	19.4	26.3	22.1	19.4	24.8	21.6	19.1	21.7	20.5	18.5	74
80				24.3	21.2	19	25	21.3	19	23.6	21	18.8	20.6	19.7	18.2	80
86				22.6	20.4	18.5	23.6	20.6	18.6	22.1	20.2	18.4	19.4	18.8	17.7	86
92				21	19.6	18	22.3	19.9	18.2	20.6	19.4	18	18.2	17.9	17.3	92
98				19.7	18.8	17.6	20.6	19.3	17.8	19.2	18.6	17.7	17	17	16.9	98
104				18.5	18.1	17.3	19.2	18.6	17.5	17.6	17.8	17.4	15.8	15.9	16	104
110				17.4	17.5	17	17.3	17.8	17.1	16	16.7	16.7	14.8	14.9	15	110
116				16.2	16.6	16.6	15.6	16.3	16.4	14.6	15.2	15.5	13.9	14	14.1	116
122				14.9	15.2	12.1	14.1	14.7	15	13.6	13.7	14	12.7	13.1	13.3	122
128				13.6	13.8		12.7	13.2	13.4	12.5	12.7	12.9	11.4	12	12.3	128
134				12	12.6		11.4	11.8	10.8	11.2	11.8	12	10.5	10.8	11.1	134
140							10.3	10.7		10.1	10.6	10.8	9.9	9.9	10	140
146							9.4	9.6		9.3	9.6	9.4	9.3	9.4	9.5	146
152										8.5	8.8		8.6	8.8	8.9	152
158										7.8	8		7.8	8.2	8.3	158
164										7.5	7.7		7	7.3	7.3	164
170													6.4	6.5		170
176													6.1	6.2		176

TAB 1825371 / 1825091 / 1825111



↔ ft	166 ft			170 ft			180 ft			184 ft			197 ft			↔ ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	18			19.4												32
35	18			19.4			15.8			16.3						35
38	18			19.4			15.8			16.3			13.6			38
44	18	18		19.4	19.4		15.8			16.3			13.6			44
50	18	17.7		19.4	19.4		15.8	15.8		16.3	16.3		13.6			50
56	17.6	17.1	16.1	19.4	19.4	18.5	15.8	15.8		16.3	16.3		13.6	13.6		56
62	16.9	16.4	15.7	19.3	19.4	18.4	15.6	15.5	14.9	16.1	16.1	15.6	13.6	13.5	13.1	62
68	16.1	15.6	15.1	19	19	18.1	15.3	15	14.7	15.8	15.6	15.4	13.5	13.4	13.1	68
74	15.3	14.9	14.5	18.4	18.1	17.7	14.7	14.4	14.1	15.4	15.1	14.9	13.2	13.1	13	74
80	14.5	14.1	13.9	17.5	17.1	17	14.1	13.7	13.6	14.9	14.5	14.4	12.8	12.8	12.8	80
86	13.7	13.4	13.3	16.6	16.3	16.2	13.5	13.1	13	14.2	14	13.9	12.5	12.3	12.3	86
92	12.9	12.8	12.7	15.7	15.5	15.4	12.8	12.5	12.4	13.5	13.4	13.3	11.9	11.9	11.9	92
98	12.2	12	12	14.8	14.6	14.6	12.2	12	11.9	12.9	12.7	12.7	11.5	11.4	11.4	98
104	11.4	11.4	11.5	14	13.9	13.9	11.5	11.4	11.4	12.2	12.1	12.2	11	10.9	11	104
110	10.6	10.7	10.8	13.2	13.1	13.2	10.9	10.8	10.9	11.6	11.5	11.6	10.4	10.4	10.5	110
116	9.9	10	10.2	12.4	12.4	12.5	10.2	10.2	10.3	11	10.9	11	9.9	10	10.1	116
122	9.3	9.4	9.6	11.7	11.7	11.9	9.6	9.7	9.8	10.4	10.4	10.5	9.3	9.5	9.6	122
128	8.7	8.9	9	11	11	11.2	9.1	9.1	9.3	9.9	9.9	10	8.7	8.9	9.2	128
134	8.1	8.3	8.5	10.3	10.4	10.6	8.6	8.7	8.8	9.4	9.4	9.5	8.1	8.4	8.6	134
140	7.6	7.8	7.9	9.5	9.8	9.9	8.1	8.2	8.3	8.9	8.9	9	7.6	7.9	8.1	140
146	7.2	7.3	7.5	8.6	9	9.2	7.6	7.8	7.9	8.4	8.5	8.6	7.2	7.4	7.6	146
152	6.8	6.9	7	8	8.2	8.5	7.2	7.4	7.5	7.8	8	8.2	6.8	7	7.2	152
158	6.4	6.5	6.6	7.6	7.6	7.7	6.9	7	7.1	7.2	7.6	7.7	6.4	6.6	6.8	158
164	6	6.1	6.2	7.2	7.3	7.3	6.6	6.7	6.8	6.5	6.9	7.2	6	6.2	6.4	164
170	5.7	5.8	5.9	6.8	6.9	7	6.3	6.4	6.4	5.8	6.2	6.4	5.6	5.8	6	170
176	5.4	5.5	5.4	6.1	6.4	6.4	5.9	6	6.1	5.1	5.5	5.6	4.9	5.3	5.6	176
182	5.1	5.2		5.4	5.7		5.4	5.6	5.7	4.4	4.7	4.9	4.3	4.7	4.9	182
188	4.9			4.8	5		4.8	5.1	5.1	3.8	4.1	4.2	3.7	4	4.2	188
194							4.3	4.4		3.2	3.5		3.1	3.4	3.5	194
200													2.6	2.8		200

TAB 1825371 / 1825091 / 1825111

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



↔ ft	42 ft / 62 ft			99 ft / 62 ft			113 ft / 62 ft			127 ft / 62 ft			141 ft / 62 ft			156 ft / 62 ft			↔ ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	17.2																		14
17	17.1			14.2															17
20	16.5			14.2			13.3												20
23	15.9			14			13.3												23
26	15.4			13.9			13.3			12.4									26
29	14.8	11.6		13.6			13.2			12.4			11.9						29
32	14.2	11.6		13.4			13			12.3			11.8			11.6			32
35	13.6	11.3		13.2			12.8			12.2			11.7			11.6			35
38	13.1	10.9		12.9			12.6			12			11.6			11.6			38
44	12.1	10.2		12.4	10.2		12.2	9.9		11.7			11.3			11.3			44
50	11.2	9.7	8.7	11.9	9.9		11.8	9.8		11.3	9.6		11	9.6		11.1			50
56	10.5	9.2	8.4	11.5	9.6	8.3	11.4	9.6		11	9.5		10.8	9.4		10.8	9.4		56
62	9.8	8.9	8.2	11.1	9.3	8.3	11	9.3	8	10.7	9.3	8	10.5	9.2		10.5	9.3		62
68	9	8.6	8	10.6	9.1	8.2	10.6	9.1	8	10.4	9.1	8	10.2	9	8	10.2	9.1	8	68
74	8.3	8.3	7.9	10.2	8.9	8	10.3	8.9	8	10.1	8.9	8	9.9	8.8	8	10	8.9	8	74
80	7.7	8.1	7.9	9.8	8.7	7.9	9.9	8.7	7.9	9.8	8.7	7.9	9.7	8.7	7.9	9.8	8.7	7.9	80
86	7.1	7.9		9.4	8.5	7.8	9.6	8.5	7.8	9.6	8.5	7.8	9.5	8.5	7.8	9.6	8.6	7.8	86
92				9.1	8.3	7.8	9.3	8.4	7.8	9.3	8.4	7.8	9.2	8.4	7.8	9.4	8.4	7.8	92
98				8.8	8.2	7.8	9	8.2	7.7	9.1	8.2	7.7	9.1	8.2	7.7	9.2	8.3	7.7	98
104				8.5	8	7.7	8.7	8.1	7.7	8.8	8.1	7.7	8.9	8.1	7.7	9	8.2	7.7	104
110				8.1	8	7.7	8.4	8	7.7	8.6	8	7.7	8.7	8	7.7	8.8	8.1	7.7	110
116				7.7	7.8	7.7	8.1	7.9	7.7	8.3	7.9	7.7	8.5	7.9	7.7	8.7	8	7.6	116
122				7.4	7.7	7.7	7.8	7.9	7.7	8.1	7.8	7.7	8.3	7.9	7.7	8.5	7.9	7.6	122
128				7.1	7.5	7.7	7.5	7.7	7.7	7.8	7.7	7.7	8	7.8	7.7	8.3	7.9	7.6	128
134				6.8	7.3	7.4	7.2	7.6	7.7	7.5	7.6	7.6	7.8	7.6	7.6	8.1	7.8	7.6	134
140				6.5	6.9		6.9	7.4	7.6	7.2	7.4	7.5	7.5	7.5	7.5	7.9	7.7	7.6	140
146				6.3			6.7	7.2	7.4	6.9	7	7.2	7.3	7.3	7.4	7.7	7.6	7.6	146
152							6.5	7		6.6	6.7	6.9	7	7.1	7.3	7.5	7.5	7.6	152
158							6.3	6.8		6.3	6.4	6.6	6.8	6.8	7	7.2	7.4	7.5	158
164							6.1	6.6		6	6.1	6.3	6.5	6.6	6.7	7	7.2	7.4	164
170										5.7	5.9		6.2	6.3	6.5	6.7	6.9	7.1	170
176										5.5	5.6		6	6.1	6.3	6.5	6.6	6.8	176
182													5.8	5.9		5.9	6.3	6.5	182
188													5.6	5.7		5.3	5.8	5.9	188
194																4.8	5.1		194

TAB 1825371 / 1825091 / 1825111

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












↔ ft	166 ft 62 ft 0°	166 ft 62 ft 20°	166 ft 62 ft 40°	170 ft 62 ft 0°	170 ft 62 ft 20°	170 ft 62 ft 40°	180 ft 62 ft 0°	180 ft 62 ft 20°	180 ft 62 ft 40°	184 ft 62 ft 0°	184 ft 62 ft 20°	184 ft 62 ft 40°	197 ft 62 ft 0°	197 ft 62 ft 20°	197 ft 62 ft 40°	↔ ft
35	9.9			10.7												35
38	9.9			10.7			9.2			9.5						38
44	9.9			10.5			9.2			9.4			8.5			44
50	9.8			10.4			9.2			9.3			8.4			50
56	9.6	8.5		10.2	9.2		9.1			9.2			8.3			56
62	9.5	8.5		10	9.1		9	8.4		9.1	8.5		8.3			62
68	9.3	8.5		9.8	8.9		8.9	8.4		9	8.4		8.2	7.6		68
74	9.1	8.5	7.8	9.6	8.8	7.8	8.8	8.3		8.8	8.3		8.2	7.8		74
80	9	8.4	7.8	9.4	8.6	7.8	8.7	8.2	7.5	8.7	8.2	7.7	8.1	7.8		80
86	8.9	8.3	7.7	9.2	8.5	7.8	8.5	8.1	7.5	8.6	8.1	7.6	8	7.7	7.5	86
92	8.7	8.2	7.7	9.1	8.3	7.7	8.4	8	7.5	8.5	8	7.6	7.9	7.7	7.5	92
98	8.6	8	7.6	8.9	8.2	7.7	8.3	7.9	7.5	8.4	7.9	7.5	7.8	7.6	7.4	98
104	8.5	8	7.6	8.8	8.1	7.7	8.2	7.8	7.5	8.3	7.8	7.5	7.8	7.5	7.4	104
110	8.3	7.9	7.6	8.6	8	7.6	8.1	7.8	7.5	8.1	7.8	7.5	7.7	7.5	7.4	110
116	8.1	7.8	7.6	8.5	7.9	7.6	8	7.7	7.5	8.1	7.7	7.5	7.6	7.4	7.4	116
122	7.9	7.7	7.6	8.4	7.8	7.6	7.8	7.6	7.5	7.9	7.7	7.5	7.6	7.4	7.4	122
128	7.6	7.5	7.6	8.3	7.8	7.6	7.6	7.6	7.5	7.8	7.6	7.5	7.4	7.3	7.4	128
134	7.3	7.4	7.5	8.1	7.7	7.6	7.4	7.5	7.4	7.6	7.5	7.5	7.2	7.2	7.3	134
140	7	7.2	7.3	7.9	7.7	7.5	7.1	7.2	7.4	7.5	7.4	7.5	6.9	7.1	7.2	140
146	6.7	6.9	7.1	7.7	7.6	7.5	6.9	7	7.2	7.3	7.2	7.4	6.6	7	7.1	146
152	6.3	6.6	6.9	7.5	7.4	7.5	6.5	6.7	6.9	7	7	7.2	6.3	6.6	6.9	152
158	6	6.3	6.5	7.2	7.3	7.5	6.3	6.5	6.7	6.7	6.9	7	6	6.3	6.6	158
164	5.6	5.9	6.1	6.8	7.1	7.3	6	6.2	6.4	6.5	6.6	6.8	5.7	6	6.3	164
170	5.3	5.6	5.8	6.2	6.9	7.1	5.7	5.9	6.1	6.2	6.4	6.6	5.4	5.7	6	170
176	5.1	5.3	5.4	5.9	6.3	6.6	5.4	5.6	5.8	5.7	6.1	6.3	5.1	5.4	5.7	176
182	4.8	5	5.1	5.6	5.8	6	5.1	5.3	5.5	5.1	5.8	6	4.7	5.1	5.4	182
188	4.5	4.7	4.8	5.4	5.5	5.6	4.9	5.1	5.2	4.5	5.3	5.6	4.3	4.8	5	188
194	4.3	4.4	4.5	4.9	5.2	5.4	4.7	4.8	5	4	4.6	5	3.8	4.4	4.7	194
200	4	4.2		4.4	4.9		4.3	4.6	4.7	3.4	4	4.3	3.2	3.9	4.2	200
210				3.6			3.5	3.9	4	2.6	3.1	3.2	2.4	3	3.2	210

TAB 1825371 / 1825091 / 1825111

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



ft	42 ft / 35 ft			113 ft / 35 ft			127 ft / 35 ft			141 ft / 35 ft			156 ft / 35 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	38.5															12
14	38	34.2														14
17	36.3	33.9		38.6												17
20	34.3	32.2		38.6			33.7									20
23	32.4	30.6		38.5			33.7									23
26	30.6	29.1	23.7	37.5			33.6			28.4						26
29	28.6	27.5	22.8	36.6	29.3		33			28.4			23.6			29
32	26.6	26	21.8	35.6	28.5		32.4	26.7		28.3			23.6			32
35	24.7	24.6	21	34.7	27.7		31.5	26.6		28			23.6			35
38	23	23.1	20.2	32.2	26.8	21.4	29.5	26.2		27	24.6		23.5			38
44	19.9	19.8	18.1	26.2	25.4	20.7	24.4	24.7	20.2	23.5	23.4	19.8	21.6	21.6		44
50	17.4	17.6	16.7	21.3	23	19.9	21.5	21.7	19.8	20.7	20.7	19.3	19.4	20	18.3	50
56	15.4	16.3	15.9	17.5	19.6	19.2	19	18.9	18.7	17.9	18.6	18.2	16.7	17.8	17.7	56
62	13.8	15.3	10.7	14.5	16.3	17.6	16.1	17.1	16.8	15.1	16.6	16.5	13.9	15.6	16.2	62
68				12.1	13.7	15	13.7	15.1	15.1	12.7	14.2	14.8	11.7	13.2	14.3	68
74				10	11.4	12.6	11.7	12.9	14	10.7	12	13.2	9.7	11.2	12.4	74
80				8.2	9.5	10.5	9.9	11	12	9	10.2	11.2	8.1	9.4	10.5	80
86				6.8	7.9	8.7	8.4	9.4	10.3	7.6	8.7	9.6	6.7	7.9	8.8	86
92				5.5	6.5	7.2	7.2	8	8.7	6.4	7.3	8.1	5.5	6.5	7.4	92
98				4.4	5.2	5.8	6.1	6.9	7.5	5.3	6.2	6.8	4.4	5.4	6.1	98
104				3.3	4.1	4.6	5	5.8	6.3	4.3	5.1	5.7	3.5	4.3	5	104
110					3.1	3.5	4.1	4.8	5.2	3.5	4.2	4.7		3.4	4	110
116							3.3	3.9	4.2		3.4	3.8			3.1	116
122								3.1	3.3			3				122

TAB 1821122 / 1820142 / 1820162



ft	166 ft / 35 ft			170 ft / 35 ft			180 ft / 35 ft			184 ft / 35 ft			197 ft / 35 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	16.3			18.1												32
35	16.3			18.1			14.3									35
38	16.3			18.1			14.3			14.8						38
44	16.3	16.3		18.1	18.1		14.3			14.8			12.4			44
50	16.3	16.1		17.3	17.8		14.3	14.3		14.8			12.4			50
56	15.5	15.5	14.6	15.2	16.6	16.1	13.9	14.3		14.8	14.8		12.4			56
62	13.6	14.6	14.3	12.7	14.5	15.3	12.3	13.6	13.5	13.4	14.5		12	12.4		62
68	11.3	12.9	13.5	10.5	12.1	13.5	10.2	11.8	12.9	11.1	13	13.1	10.6	11.8	11.9	68
74	9.4	10.9	12.1	8.6	10.1	11.4	8.4	9.9	11.1	8.9	10.7	12.2	8.5	10.3	11.3	74
80	7.8	9.1	10.2	7	8.4	9.5	6.8	8.2	9.3	7.2	8.8	10.1	6.8	8.4	9.8	80
86	6.5	7.6	8.6	5.7	6.9	7.9	5.5	6.7	7.8	5.6	7.1	8.3	5.3	6.8	8	86
92	5.2	6.3	7.2	4.5	5.6	6.5	4.3	5.4	6.4		5.6	6.7		5.3	6.5	92
98	4.2	5.2	6	3.4	4.5	5.3	3.3	4.3	5.2		4.4	5.4			5.1	98
104	3.3	4.2	4.9		3.5	4.2		3.3	4.1		3.3	4.2			3.9	104
110		3.3	3.9			3.2			3.1			3.1				110
116			3													116

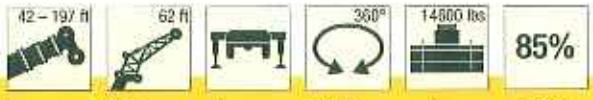
TAB 1821122 / 1820142 / 1820162

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



ft	42 ft / 62 ft			99 ft / 62 ft			113 ft / 62 ft			127 ft / 62 ft			141 ft / 62 ft			155 ft / 62 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	15.6																		14
17	15.5			12.9															17
20	15			12.9			12.1												20
23	14.5			12.8			12.1												23
26	14			12.6			12.1			11.2									26
29	13.4	10.6		12.4			12			11.2			10.9						29
32	12.9	10.5		12.2			11.8			11.2			10.8			10.6			32
35	12.4	10.2		12			11.6			11.1			10.6			10.6			35
38	11.9	9.9		11.7			11.5			10.9			10.5			10.5			38
44	11	9.3		11.3	9.3		11.1	9		10.6			10.3			10.3			44
50	10.2	8.8	7.9	10.9	9		10.7	8.9		10.3	8.8		10	8.7		10.1			50
56	9.5	8.4	7.7	10.5	8.7	7.6	10.3	8.7		10	8.6		9.8	8.6		9.8	8.6		56
62	8.9	8.1	7.5	10.1	8.5	7.5	10	8.5	7.3	9.7	8.4	7.3	9.5	8.4		9.6	8.5		62
68	8.2	7.8	7.3	9.7	8.2	7.4	9.7	8.3	7.3	9.4	8.2	7.3	9.2	8.2	7.3	9.3	8.3	7.3	68
74	7.6	7.6	7.2	9.3	8	7.3	9.3	8.1	7.3	9.2	8	7.3	9	8	7.3	9	8.1	7.3	74
80	7	7.4	7.1	8.9	7.9	7.2	9	7.9	7.2	8.9	7.9	7.2	8.8	7.9	7.2	8.3	8	7.2	80
86	6.4	7.2		8.6	7.7	7.1	8.7	7.7	7.1	8.6	7.7	7.1	8.4	7.7	7.1	7.2	7.8	7.1	86
92				8.2	7.6	7.1	8.4	7.6	7.1	8	7.6	7.1	7.1	7.6	7.1	6	7.5	7.1	92
98				8	7.4	7.1	7.8	7.5	7	6.9	7.5	7	6.1	7.5	7	5	6.7	7	98
104				7	7.3	7	6.8	7.4	7	5.9	7.2	7	5.1	6.6	7	4	5.6	6.9	104
110				6.1	6.9	7	5.8	6.8	7	5	6.3	7	4.3	5.6	6.6	3.2	4.7	6	110
116				5.2	6.1	6.6	5	6	6.6	4.3	5.4	6.3	3.5	4.8	5.8		3.8	5	116
122				4.5	5.3	5.8	4.2	5.1	5.8	3.6	4.6	5.4	2.8	4	4.9		3.1	4.1	122
128				3.8	4.5	4.8	3.5	4.3	4.9	2.9	3.8	4.5		3.3	4.1			3.3	128
134				3.2	3.8	4	2.9	3.6	4.1		3.1	3.7			3.3				134
140				2.7	3.1			3	3.3			3							140
146				2.2					2.6										146

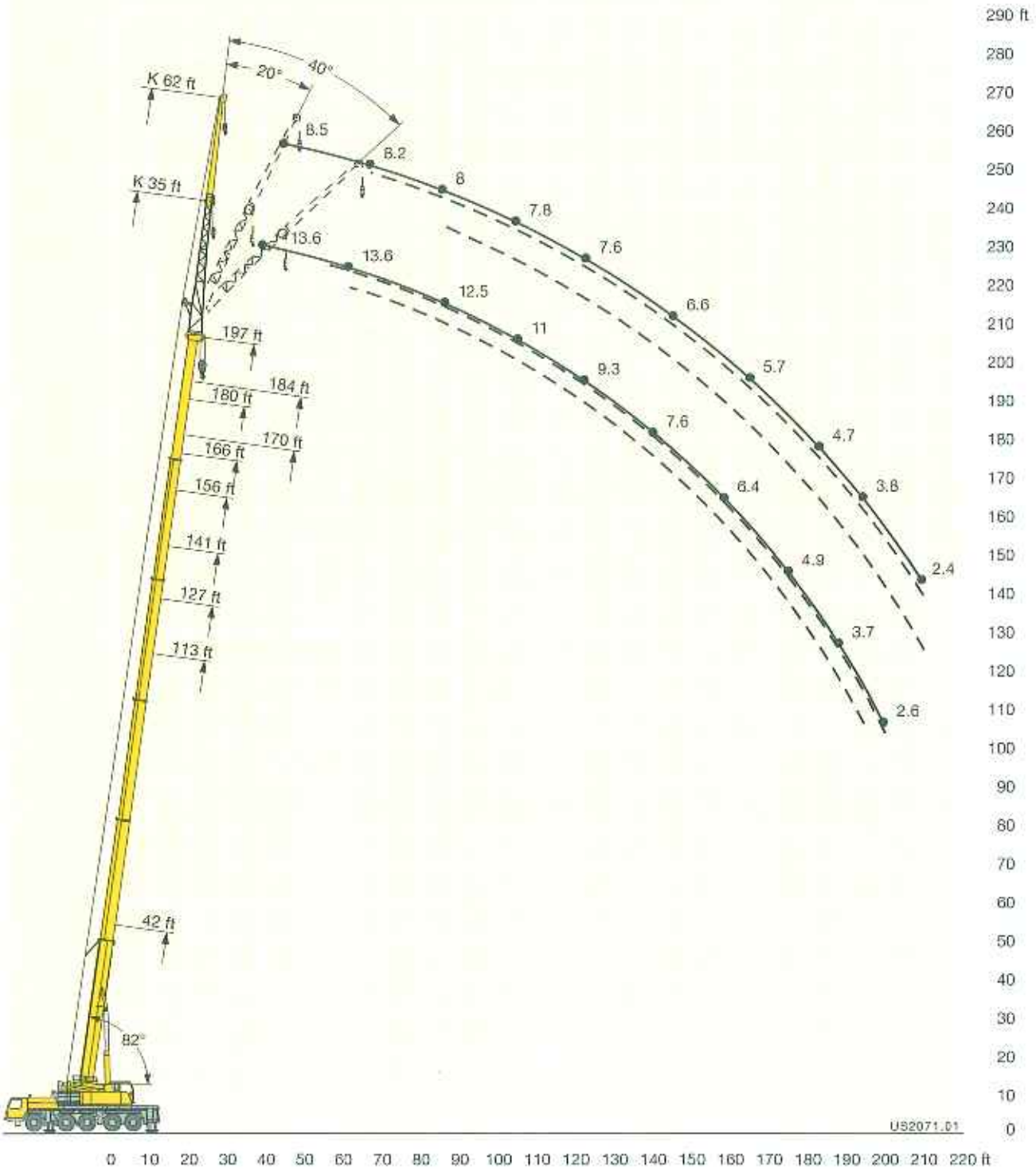
TAB 1821122 / 1820142 / 1820162



ft	166 ft / 62 ft			170 ft / 62 ft			180 ft / 62 ft			184 ft / 62 ft			197 ft / 62 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
35	9			9.7												35
38	9			9.7			8.4			8.6						38
44	9			9.6			8.4			8.5			7.7			44
50	8.9			9.4			8.4			8.4			7.7			50
56	8.8	7.7		9.2	8.3		8.3			8.3			7.6			56
62	8.6	7.7		9.1	8.3		8.2	7.7		8.2	7.7		7.5			62
68	8.5	7.7		8.8	8.1		8.1	7.6		8.1	7.7		7.5	7.1		68
74	8.3	7.7	7.1	8.3	8	7.1	7.9	7.5		7.6	7.6		7	7.1		74
80	8	7.6	7.1	7.5	7.8	7.1	7.2	7.4	6.8	6.1	7.5	6.9	5.7	7.1		80
86	6.9	7.5	7	6.2	7.5	7.1	5.9	7.3	6.8	4.8	7.2	6.9	4.5	6.9	6.8	86
92	5.7	7.4	7	5	7	7	4.8	6.8	6.8		5.9	6.9		5.6	6.8	92
98	4.7	6.5	6.9	4	5.9	7	3.8	5.7	6.8		4.8	6.5		4.4	6.2	98
104	3.8	5.4	6.7	3.1	4.8	6.2		4.6	6.1		3.7	5.4		3.4	5.1	104
110	2.9	4.5	5.8		3.9	5.2		3.7	5.1			4.3			4.1	110
116		3.6	4.8		3	4.3		2.9	4.1			3.3			3.1	116
122		2.9	3.9			3.4			3.3							122
128			3.2													128

TAB 1821122 / 1820142 / 1820162

Lifting heights
Hauteurs de levage



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	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	14.6																					12
14	14.5																					14
17	14.4	14.6																				17
20	14.3	14.5																				20
23	14.1	14.4																				23
26	13.6	13.9																				26
29	13.1	13.2	13.3																			29
32	12.6	12.5	12.8	14.6																		32
35	12	11.9	12.1	14.6			12.1			12.6												35
38	11.4	11.4	11.4	14.5			12.1			12.6			10.7			11.2						38
44	10.2	10.3	10.4	14.4			12.1			12.6			10.7			11.2			9.5			44
50	9	9.4	9.5	14.3	13.8		12.1	12.1		12.6	12.6		10.7			11.1			9.4			50
56	7.9	8.5	8.8	14.1	13.4	12.4	12.1	12		12.6	12.6		10.7	10.7		11.1	11.2		9.4	9.5		56
62	7	7.7	8.1	13.8	12.8	12.1	12.1	11.7	10.7	12.5	12.3	11.2	10.7	10.7	10.2	11.1	11.2	10.7	9.4	9.5		62
68	6.3	6.8	7.3	13.3	12.2	11.5	11.9	11.2	10.6	12.3	11.8	11.1	10.7	10.6	10.1	11	11	10.6	9.4	9.5	9.2	68
74	5.6	6	6.3	12.7	11.7	11	11.5	10.8	10.2	12	11.4	10.8	10.6	10.3	9.9	10.9	10.7	10.3	9.4	9.4	9.2	74
80	4.9	5.3	5.6	12.2	11.2	10.6	11.1	10.3	9.9	11.7	11	10.4	10.4	10	9.6	10.7	10.4	10	9.3	9.3	9.2	80
86	4.5			11.7	10.7	10.1	10.6	9.9	9.5	11.3	10.5	10	10.1	9.7	9.3	10.6	10.1	9.7	9.1	9.2	9	86
92				11.1	10.3	9.8	10.1	9.5	9.2	10.9	10.1	9.7	9.7	9.3	9.1	10.3	9.7	9.4	9	8.9	8.7	92
98				10.6	9.9	9.5	9.6	9.2	8.9	10.4	9.8	9.3	9.4	9	8.8	9.9	9.4	9.1	8.8	8.7	8.5	98
104				10	9.5	9.2	9.1	8.9	8.7	10	9.4	9.1	9	8.7	8.6	9.5	9.2	8.9	8.6	8.5	8.3	104
110				9.4	9.1	8.8	8.7	8.6	8.4	9.5	9.1	8.8	8.6	8.5	8.3	9.1	8.9	8.7	8.3	8.2	8.1	110
116				8.9	8.7	8.6	8.3	8.2	8.2	9	8.7	8.6	8.2	8.2	8.1	8.7	8.6	8.5	8	7.9	7.9	116
122				8.3	8.3	8.3	7.9	7.9	7.9	8.5	8.4	8.3	7.9	7.9	7.9	8.4	8.4	8.3	7.7	7.7	7.7	122
128				7.9	7.9	8	7.4	7.5	7.6	8.1	8.1	8	7.5	7.6	7.6	8	8.1	8	7.4	7.4	7.4	128
134				7.5	7.6	7.7	7	7.2	7.3	7.7	7.7	7.8	7.2	7.3	7.4	7.7	7.7	7.8	7	7.1	7.2	134
140				7.1	7.2	7.3	6.7	6.8	7	7.3	7.4	7.5	6.9	7	7.1	7.3	7.4	7.5	6.7	6.8	6.9	140
146				6.7	6.8	6.9	6.3	6.5	6.6	7	7.1	7.2	6.5	6.7	6.8	7	7.1	7.2	6.3	6.5	6.6	146
152				6.3	6.4	6.5	5.9	6.1	6.2	6.6	6.7	6.8	6.2	6.3	6.5	6.7	6.8	6.9	6	6.2	6.3	152
158				6	6.1	6.2	5.6	5.7	5.9	6.3	6.4	6.5	5.9	6	6.2	6.4	6.5	6.6	5.6	5.8	6	158
164				5.7	5.8	5.9	5.3	5.4	5.5	6	6.1	6.2	5.6	5.7	5.8	6.1	6.2	6.3	5.3	5.5	5.7	164
170				5.4	5.5	5.5	5	5.1	5.2	5.8	5.8	5.9	5.3	5.4	5.5	5.5	5.9	6	5	5.2	5.4	170
176				5.1	5.2	5.2	4.7	4.8	4.9	5.5	5.6	5.6	5.1	5.1	5.2	4.9	5.3	5.6	4.6	4.9	5	176
182				4.9	4.9	5	4.4	4.5	4.5	5.2	5.3	5.4	4.8	4.9	5	4.3	4.7	5	4	4.4	4.7	182
188				4.6	4.7		4.1	4.2	4.2	4.7	5	5	4.5	4.6	4.7	3.7	4.1	4.3	3.5	3.9	4.1	188
194				4.4	4.5		3.9	4	4	4.1	4.4	4.5	4.1	4.3	4.4	3.1	3.5	3.6	2.9	3.3	3.5	194
200										3.6	3.8		3.5	3.8	3.9	2.6	2.9	3		2.8	3	200
210													2.7	2.9								210

TAB 1825431 / 1825151 / 1825171

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	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			↔ ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	9.2																					14
17	9.2																					17
20	9.1																					20
23	9.1																					23
26	9																					26
29	8.9																					29
32	8.8																					32
35	8.7	8.5																				35
38	8.6	8.5		9																		38
44	8.2	8.2		9			7.8			8			7.3			7.5						44
50	7.7	7.7	7.5	9			7.8			8			7.3			7.5			6.6			50
56	7.2	7.2	7.3	9			7.8			8			7.3			7.5			6.6			56
62	6.7	6.8	7	8.9	8.3		7.8			8			7.3			7.5			6.6			62
68	6.2	6.3	6.5	8.8	8.3		7.8	7.8		8	7.8		7.3	7		7.4	7.3		6.6			68
74	5.8	5.9	6.1	8.7	8.2		7.8	7.7		8	7.8		7.3	7		7.4	7.3		6.6	6.3		74
80	5.3	5.6	5.8	8.5	8	7.3	7.6	7.5	6.8	8	7.7	7	7.3	7		7.4	7.3		6.6	6.3		80
86	4.9	5.3	5.5	8.4	7.7	7.3	7.7	7.3	6.8	8	7.6	7	7.3	7	6.6	7.3	7.3	6.8	6.6	6.3		86
92	4.4	4.9	5.2	8.1	7.4	7	7.6	7	6.7	7.9	7.3	6.9	7.2	6.9	6.5	7.3	7.1	6.8	6.5	6.3		92
98	4	4.6	4.9	7.8	7.1	6.8	7.3	6.8	6.5	7.7	7.1	6.7	7.1	6.7	6.4	7.2	6.9	6.6	6.5	6.3	6.1	98
104	3.6	4	4.3	7.5	6.9	6.6	7.1	6.6	6.3	7.5	6.9	6.5	6.9	6.5	6.2	7.1	6.7	6.4	6.5	6.3	6	104
110	3.3	3.6	4.2	7.2	6.7	6.4	6.9	6.4	6.1	7.2	6.6	6.4	6.8	6.3	6.1	7	6.5	6.3	6.4	6.1	5.9	110
116	3	3.2		7	6.5	6.2	6.6	6.2	6	6.9	6.4	6.2	6.6	6.1	5.9	6.8	6.3	6.1	6.3	5.9	5.8	116
122				6.7	6.3	6.1	6.4	6	5.8	6.7	6.2	6	6.3	5.9	5.7	6.6	6.1	5.9	6.1	5.8	5.6	122
128				6.5	6.1	5.9	6.2	5.8	5.7	6.5	6.1	5.9	6.1	5.8	5.6	6.4	6	5.8	6	5.7	5.5	128
134				6.3	5.9	5.7	6	5.6	5.5	6.3	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	134
140				6.1	5.7	5.6	5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	140
146				5.8	5.6	5.5	5.6	5.3	5.3	5.9	5.6	5.5	5.6	5.3	5.2	5.9	5.5	5.4	5.5	5.3	5.2	146
152				5.6	5.4	5.3	5.4	5.2	5.1	5.7	5.4	5.3	5.4	5.2	5.1	5.7	5.4	5.3	5.3	5.1	5.1	152
158				5.3	5.2	5.2	5.1	5.1	5	5.5	5.3	5.3	5.3	5.1	5	5.5	5.3	5.2	5.1	5	5	158
164				5.1	5.1	5.1	4.9	4.9	4.9	5.3	5.1	5.1	5	4.9	4.9	5.4	5.2	5.1	4.9	4.9	4.9	164
170				4.9	4.9	5	4.6	4.7	4.7	5.1	5	5	4.8	4.8	4.8	5.1	5	5	4.7	4.7	4.8	170
176				4.6	4.8	4.9	4.3	4.5	4.6	4.9	4.8	4.9	4.6	4.7	4.7	4.9	4.9	4.9	4.6	4.6	4.7	176
182				4.4	4.6	4.7	4	4.2	4.4	4.6	4.7	4.8	4.3	4.5	4.6	4.6	4.7	4.8	4.4	4.5	4.6	182
188				4.2	4.3	4.4	3.8	4	4.2	4.4	4.5	4.6	4.1	4.2	4.4	4.2	4.6	4.7	3.9	4.3	4.5	188
194				3.9	4.1	4.2	3.6	3.8	3.9	4.2	4.3	4.5	3.9	4	4.2	3.6	4.3	4.5	3.5	4.1	4.3	194
200				3.7	3.8	4	3.3	3.6	3.7	4	4.2	4.3	3.7	3.8	4	3.2	3.8	4.2	3	3.7	4	200
210				3.4	3.5		3	3.2	3.2	3.4	3.8	3.9	3.2	3.5	3.6	2.4	3	3.3	2.3	2.9	3.2	210
220							2.7	2.8		2.6	3		2.5	3	3.1							220
230							2.4				2.2			2.2	2.2							230

TAB 1825431 / 1825151 / 1825171

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	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	13.2																					12
14	13.2																					14
17	13.1	13.2																				17
20	13	13.2																				20
23	12.8	13.1																				23
26	12.4	12.6																				26
29	11.9	12	12.1																			29
32	11.4	11.4	11.6	13.2																		32
35	10.9	10.9	11	13.2			11			11.5												35
38	10.4	10.3	10.4	13.2			11			11.5			9.7			10.1						38
44	9.3	9.4	9.5	13.1			11			11.5			9.7			10.1			8.6			44
50	8.2	8.6	8.7	13	12.5		11	11		11.5	11.5		9.7			10.1			8.6			50
56	7.2	7.8	8	12.8	12.2	11.2	11	10.9		11.5	11.4		9.7	9.7		10.1	10.1		8.6	8.6		56
62	6.4	7	7.4	12.4	11.7	11	11	10.6	9.7	11.2	11.2	10.1	9.7	9.7	9.3	9.7	10.1	9.7	8.6	8.6		62
68	5.7	6.2	6.6	11.2	11.1	10.5	10.4	10.2	9.6	10	10.7	10.1	9.2	9.6	9.2	8.5	9.7	9.6	7.9	8.6	8.4	68
74	5.1	5.5	5.8	9.3	10.4	10	9	9.7	9.3	8.2	9.7	9.8	7.9	9.1	9	6.8	8.4	9.2	6.4	8	8.3	74
80	4.5	4.8	5.1	7.8	9.1	9.5	7.4	8.8	8.9	6.7	8.1	9.2	6.4	7.8	8.6	5.3	6.8	8	4.9	6.4	7.7	80
86	4.1			6.4	7.6	8.6	6.1	7.3	8.3	5.3	6.6	7.6	5.1	6.4	7.4		5.4	6.5		5	6.2	86
92				5.2	6.3	7.2	4.9	6	6.9	4.2	5.3	6.3		5.1	6.1			5.2			4.9	92
98				4.1	5.1	5.9	3.9	4.9	5.7	3.1	4.2	5.1		4	4.9			4			3.7	98
104				3.2	4.1	4.9		3.9	4.7		3.2	4		3.1	3.9							104
110					3.2	3.9		3	3.7			3.1			2.9							110
116						3																116

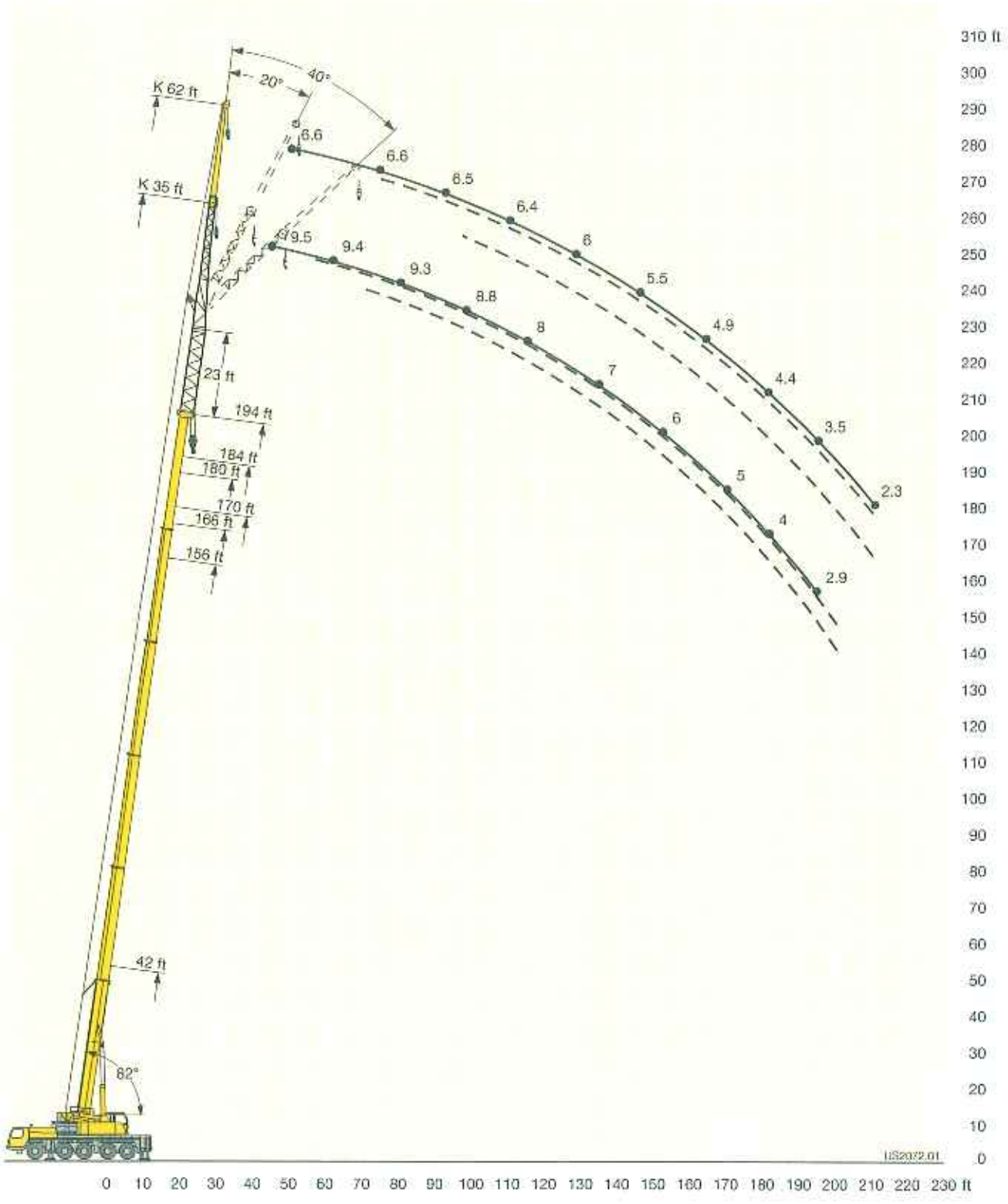
IAB 1821242 / 1820262 / 1820282



ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	8.4																					14
17	8.4																					17
20	8.3																					20
23	8.2																					23
26	8.2																					26
29	8.1																					29
32	8																					32
35	7.9	7.7																				35
38	7.8	7.7		8.2																		38
44	7.4	7.5		8.2			7.1			7.3			6.6			6.8						44
50	7	7	6.8	8.2			7.1			7.3			6.6			6.8			6			50
56	6.5	6.6	6.7	8.1			7.1			7.3			6.6			6.8			6			56
62	6.1	6.1	6.3	8.1	7.5		7.1			7.3			6.6			6.8			6			62
68	5.7	5.7	5.9	8	7.5		7.1	7.1		7.3	7.1		6.6	6.4		6.8	6.6		6			68
74	5.3	5.4	5.6	7.9	7.4		7.1	7		7.3	7.1		6.6	6.4		6.5	6.6		5.9	5.7		74
80	4.9	5.1	5.2	7.6	7.2	6.6	7	6.8	6.2	7	7	6.4	6.4	6.4		5.7	6.6		5.4	5.7		80
86	4.4	4.8	5	6.7	7	6.6	6.4	6.6	6.2	5.7	6.9	6.4	5.4	6.4	6	4.4	6.5	6.2		5.7		86
92	4	4.5	4.7	5.6	6.7	6.4	5.3	6.4	6.1	4.6	6.6	6.3	4.3	6.2	6		5.5	6.2		5.3		92
98	3.6	4.1	4.4	4.6	6.3	6.2	4.2	6	5.9	3.6	5.5	6.1	3.3	5.3	5.8		4.4	6		4.2	5.5	98
104	3.3	3.7	3.9	3.6	5.3	6	3.3	5.1	5.7		4.5	5.9		4.2	5.7		3.4	5.1		3.2	4.8	104
110	3	3.2	3.8		4.4	5.6		4.1	5.3		3.6	5		3.3	4.8			4.1			3.9	110
116	2.7	3			3.6	4.8		3.3	4.6			4			3.9			3.1			3	116
122					2.8	3.9			3.7			3.2			3							122
128						3.1			2.9													128

IAB 1821242 / 1820262 / 1820282

Lifting heights
Hauteurs de levage



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	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			↔ ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	9.7																					14
17	9.7																					17
20	9.7																					20
23	9.7																					23
26	9.6	9.7																				26
29	9.4	9.6																				29
32	9.2	9.4	9																			32
35	8.9	9.1	9																			35
38	8.5	8.7	8.8	9.7																		38
44	7.9	8	8.2	9.7			8.3			8.5			7.3			7.5						44
50	7.3	7.4	7.5	9.7	9.7		8.3			8.5			7.3			7.5			6.6			50
56	6.7	6.8	7	9.6	9.5		8.3	8.3		8.5	8.5		7.3	7.3		7.5			6.6			56
62	6.2	6.3	6.4	9.4	9.2	8.7	8.3	8.3	8	8.5	8.5	8.3	7.3	7.3		7.5	7.5		6.6	6.6		62
68	5.8	5.9	6	9.2	8.8	8.6	8.2	8.1	7.9	8.5	8.4	8.2	7.3	7.3	7.3	7.5	7.5	7.5	6.6	6.6		68
74	5.3	5.4	5.6	8.8	8.5	8.2	8.1	7.9	7.7	8.3	8.2	8	7.3	7.3	7.3	7.5	7.5	7.5	6.5	6.6	6.6	74
80	4.8	5	5.2	8.5	8.1	7.9	7.8	7.6	7.4	8.1	7.9	7.7	7.3	7.2	7.2	7.4	7.4	7.4	6.5	6.6	6.6	80
86	4.3	4.6	4.8	8.1	7.8	7.6	7.5	7.3	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.2	6.5	6.5	6.5	86
92	3.9	4.1	4.4	7.8	7.4	7.3	7.3	7	6.9	7.7	7.3	7.2	7	6.8	6.7	7.2	7.1	6.9	6.4	6.5	6.5	92
98	3.4	3.7	3.8	7.5	7.1	7	7	6.7	6.6	7.4	7.1	6.9	6.8	6.6	6.5	7.1	6.9	6.7	6.3	6.3	6.3	98
104	3	3.2	3.5	7.2	6.9	6.7	6.8	6.5	6.4	7.1	6.8	6.7	6.6	6.4	6.3	6.9	6.6	6.5	6.3	6.1	6.1	104
110	2.7	2.8		6.9	6.6	6.5	6.5	6.3	6.1	6.9	6.6	6.4	6.4	6.1	6.1	6.7	6.4	6.3	6.1	6	5.9	110
116				6.6	6.4	6.3	6.2	6.1	5.9	6.6	6.4	6.2	6.2	6	5.9	6.5	6.2	6.1	6	5.8	5.7	116
122				6.4	6.1	6.1	6	5.8	5.8	6.4	6.1	6	6	5.8	5.7	6.2	6	5.9	5.8	5.6	5.6	122
128				6.2	5.9	5.9	5.8	5.6	5.6	6.2	5.9	5.8	5.8	5.6	5.5	6	5.8	5.7	5.6	5.4	5.4	128
134				5.9	5.7	5.7	5.6	5.4	5.4	5.9	5.7	5.7	5.6	5.4	5.4	5.8	5.6	5.6	5.5	5.3	5.3	134
140				5.7	5.5	5.5	5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.2	5.2	5.7	5.5	5.4	5.3	5.1	5.1	140
146				5.4	5.3	5.3	5.2	5.1	5.1	5.5	5.4	5.3	5.2	5.1	5.1	5.5	5.3	5.3	5.1	5	5	146
152				5.1	5.1	5.1	5	4.9	4.9	5.3	5.2	5.2	5	5	4.9	5.3	5.2	5.1	4.9	4.8	4.8	152
158				4.9	4.9	4.9	4.7	4.7	4.7	5.1	5	5	4.9	4.8	4.8	5.1	5	5	4.7	4.7	4.7	158
164				4.6	4.7	4.7	4.4	4.4	4.5	4.9	4.8	4.8	4.6	4.7	4.7	4.9	4.9	4.9	4.5	4.5	4.6	164
170				4.4	4.5	4.6	4.1	4.2	4.3	4.6	4.6	4.7	4.4	4.4	4.5	4.7	4.7	4.7	4.3	4.4	4.4	170
176				4.2	4.2	4.3	3.8	4	4	4.4	4.4	4.5	4.1	4.2	4.3	4.4	4.5	4.6	4.1	4.2	4.3	176
182				3.9	4	4.1	3.6	3.7	3.8	4.2	4.2	4.3	3.9	4	4	3.9	4.3	4.4	3.7	4	4.1	182
188				3.7	3.8	3.8	3.3	3.5	3.5	4	4	4.1	3.6	3.7	3.8	3.4	3.8	4	3.2	3.6	3.8	188
194				3.5	3.5	3.6	3.1	3.2	3.3	3.7	3.8	3.9	3.4	3.5	3.6	2.9	3.3	3.5	2.7	3.1	3.3	194
200				3.3	3.3	3.3	2.9	3	3	3.4	3.6	3.7	3.1	3.3	3.4		2.7	2.9		2.6	2.8	200
210				2.9	3		2.5	2.6	2.6	2.5	2.8	2.9	2.4	2.7	2.9							210
220							2.2	2.3														220

TAB 1825181 / 1825211 / 1825231

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	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	6.6																					17
20	6.6																					20
23	6.6																					23
26	6.6																					26
29	6.6																					29
32	6.5																					32
35	6.5																					35
38	6.4	6.6																				38
44	6.2	6.5		6.6																		44
50	6	6.3		6.6			5.6			5.8			4.9			5.1						50
56	5.6	5.9	5.8	6.5			5.6			5.8			4.9			5.1			4.4			56
62	5.2	5.4	5.7	6.5			5.6			5.8			4.9			5.1			4.4			62
68	4.9	5	5.3	6.5	6.3		5.6			5.8			4.9			5.1			4.4			68
74	4.5	4.7	4.9	6.4	6.3		5.6	5.6		5.8	5.8		4.9	4.9		5.1	5.1		4.4			74
80	4.2	4.4	4.6	6.3	6.2		5.6	5.6		5.7	5.8		4.9	4.9		5	5.1		4.4	4.4		80
86	3.9	4.1	4.3	6.1	6	5.6	5.5	5.6	5.1	5.6	5.8	5.3	4.9	4.9		5	5.1		4.3	4.4		86
92	3.7	3.8	4	6	5.8	5.6	5.4	5.4	5.1	5.6	5.6	5.3	4.9	4.9		5	5.1		4.3	4.4		92
98	3.5	3.6	3.7	5.8	5.5	5.4	5.3	5.2	5.1	5.5	5.4	5.3	4.9	4.9	4.9	4.9	5.1	5.1	4.3	4.4		98
104	3.2	3.4	3.5	5.6	5.3	5.2	5.2	5	4.9	5.5	5.2	5.1	4.9	4.8	4.8	4.9	5	4.9	4.3	4.4	4.4	104
110	3	3.2	3.3	5.4	5.1	5	5.1	4.8	4.7	5.3	5	4.9	4.9	4.7	4.6	4.9	4.8	4.8	4.3	4.4	4.4	110
116	2.8	3	3.1	5.2	4.9	4.8	4.9	4.6	4.6	5.1	4.9	4.7	4.8	4.6	4.5	4.8	4.7	4.6	4.3	4.3	4.3	116
122	2.7	2.8	2.8	5	4.7	4.6	4.7	4.5	4.4	4.9	4.7	4.6	4.6	4.4	4.3	4.7	4.6	4.5	4.2	4.2	4.2	122
128	2.5	2.6	2.5	4.7	4.5	4.5	4.5	4.3	4.2	4.7	4.5	4.4	4.4	4.2	4.2	4.6	4.4	4.3	4.1	4.1	4.1	128
134	2.4	2.4		4.6	4.4	4.3	4.3	4.1	4.1	4.6	4.3	4.3	4.3	4.1	4	4.4	4.3	4.2	4	4	4	134
140				4.4	4.2	4.1	4.1	4	4	4.4	4.2	4.1	4.1	4	3.9	4.3	4.1	4.1	3.9	3.8	3.8	140
146				4.2	4	4	4	3.8	3.8	4.2	4	4	4	3.8	3.8	4.1	4	3.9	3.8	3.7	3.7	146
152				4.1	3.9	3.9	3.9	3.7	3.7	4.1	3.9	3.9	3.8	3.7	3.7	4	3.9	3.8	3.7	3.6	3.6	152
158				3.9	3.8	3.8	3.7	3.6	3.6	3.9	3.8	3.8	3.7	3.6	3.6	3.9	3.7	3.7	3.6	3.5	3.5	158
164				3.8	3.6	3.6	3.6	3.5	3.5	3.8	3.7	3.6	3.6	3.5	3.4	3.8	3.6	3.6	3.5	3.4	3.4	164
170				3.6	3.5	3.5	3.4	3.4	3.4	3.7	3.5	3.5	3.5	3.4	3.4	3.7	3.5	3.5	3.4	3.3	3.3	170
176				3.5	3.4	3.4	3.3	3.2	3.2	3.6	3.4	3.4	3.4	3.2	3.3	3.5	3.4	3.4	3.3	3.2	3.2	176
182				3.4	3.3	3.3	3.1	3.1	3.2	3.4	3.3	3.3	3.2	3.2	3.2	3.4	3.3	3.3	3.2	3.1	3.1	182
188				3.2	3.2	3.2	3	3	3	3.3	3.2	3.2	3.1	3	3.1	3.3	3.2	3.2	3.1	3	3.1	188
194				3.1	3.1	3.1	2.8	2.9	2.9	3.2	3.1	3.2	2.9	2.9	3	3	3.1	3.2	2.9	3	3	194
200				2.9	3	3	2.6	2.8	2.8	3.1	3	3.1	2.8	2.8	2.9	2.7	3	3.1	2.5	2.9	2.9	200
210				2.6	2.7	2.7	2.3	2.5	2.6	2.8	2.9	3	2.5	2.6	2.7		2.6	2.9		2.4	2.7	210
220				2.3	2.4	2.5		2.1	2.2		2.6	2.7		2.4	2.5							220
230				2	2.1	2.2						2.2			2.2							230

TAB 1825191 / 1825211 / 1825231

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	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			↔ ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	8.8																					14
17	8.8																					17
20	8.8																					20
23	8.8																					23
26	8.7	8.8																				26
29	8.6	8.8																				29
32	8.4	8.5	8.2																			32
35	8.1	8.2	8.2																			35
38	7.7	7.9	8	8.8			7.5			7.7			6.6			6.8						38
44	7.2	7.3	7.5	8.8			7.5			7.7			6.6			6.8			6			44
50	6.6	6.7	6.9	8.8	8.8		7.5			7.7			6.6			6.8			6			50
56	6.1	6.2	6.3	8.7	8.7		7.5	7.5		7.7	7.7		6.6	6.6		6.8			6			56
62	5.7	5.7	5.9	8.6	8.4	7.9	7.5	7.5	7.3	7.7	7.7	7.5	6.6	6.6		6.8	6.8		6	6		62
68	5.2	5.3	5.5	8.4	8	7.8	7.5	7.4	7.2	7.7	7.7	7.5	6.6	6.6	6.6	6.8	6.8	6.8	6	6		68
74	4.8	4.9	5.1	8	7.7	7.5	7.4	7.2	7	7.3	7.5	7.3	6.5	6.6	6.6	6.3	6.8	6.8	5.7	6	6	74
80	4.3	4.6	4.7	7.3	7.4	7.2	6.9	6.9	6.7	6.2	7.1	7	5.9	6.5	6.5	4.9	6.3	6.7	4.6	5.7	6	80
86	3.9	4.2	4.4	5.9	7	6.9	5.6	6.5	6.5	4.9	6.2	6.7	4.6	5.9	6.3		5	6.1		4.7	5.8	86
92	3.5	3.8	4	4.8	5.9	6.6	4.4	5.6	6.2		5	6		4.7	5.7			4.8			4.6	92
98	3.1	3.3	3.5	3.7	4.8	5.6	3.4	4.5	5.3		3.9	4.8		3.6	4.5			3.7			3.5	98
104	2.7	2.9	3.1		3.8	4.6		3.5	4.3			3.7			3.5							104
110	2.4	2.5				3.6			3.4													110

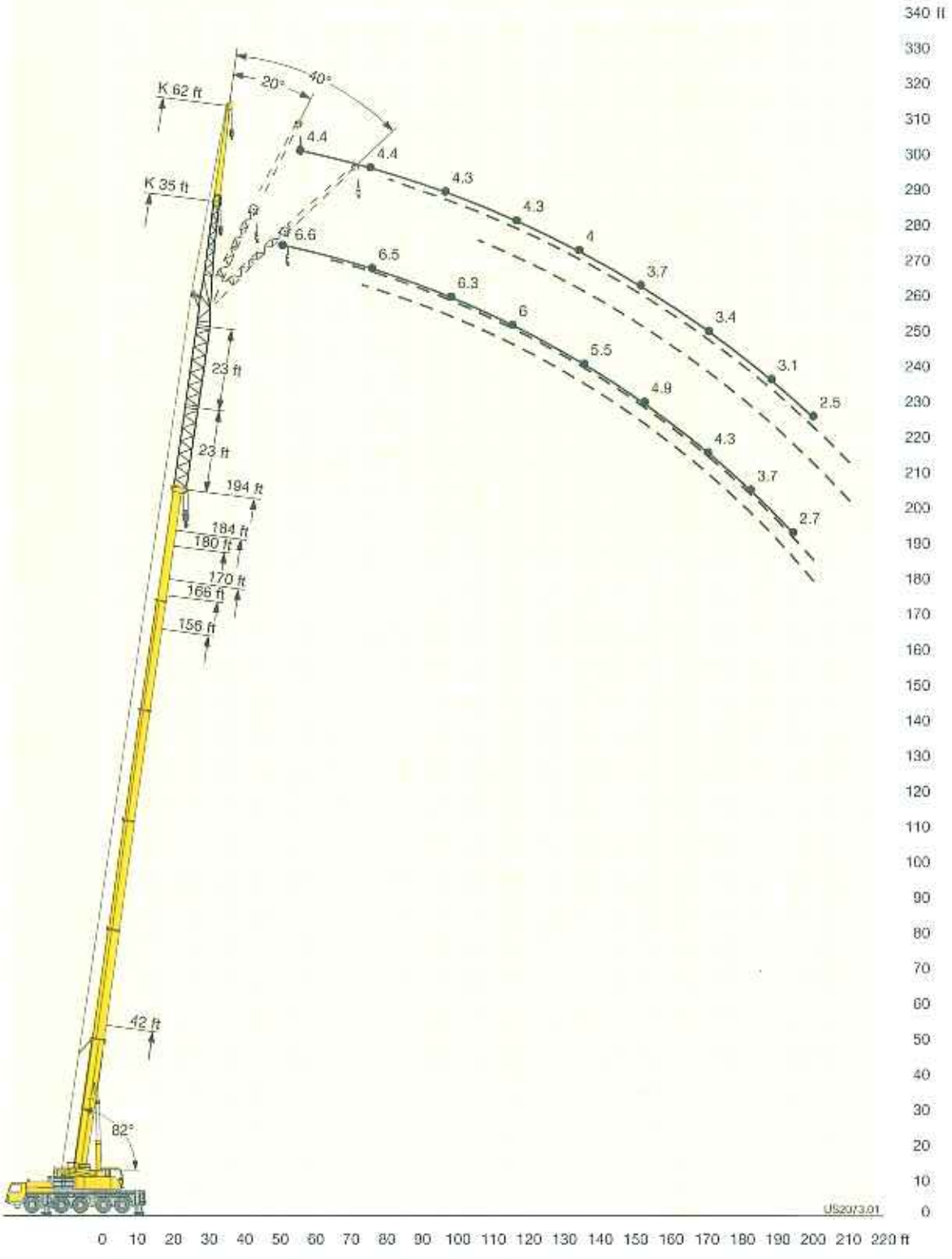
TAB 1821302 / 1820322 / 1820342



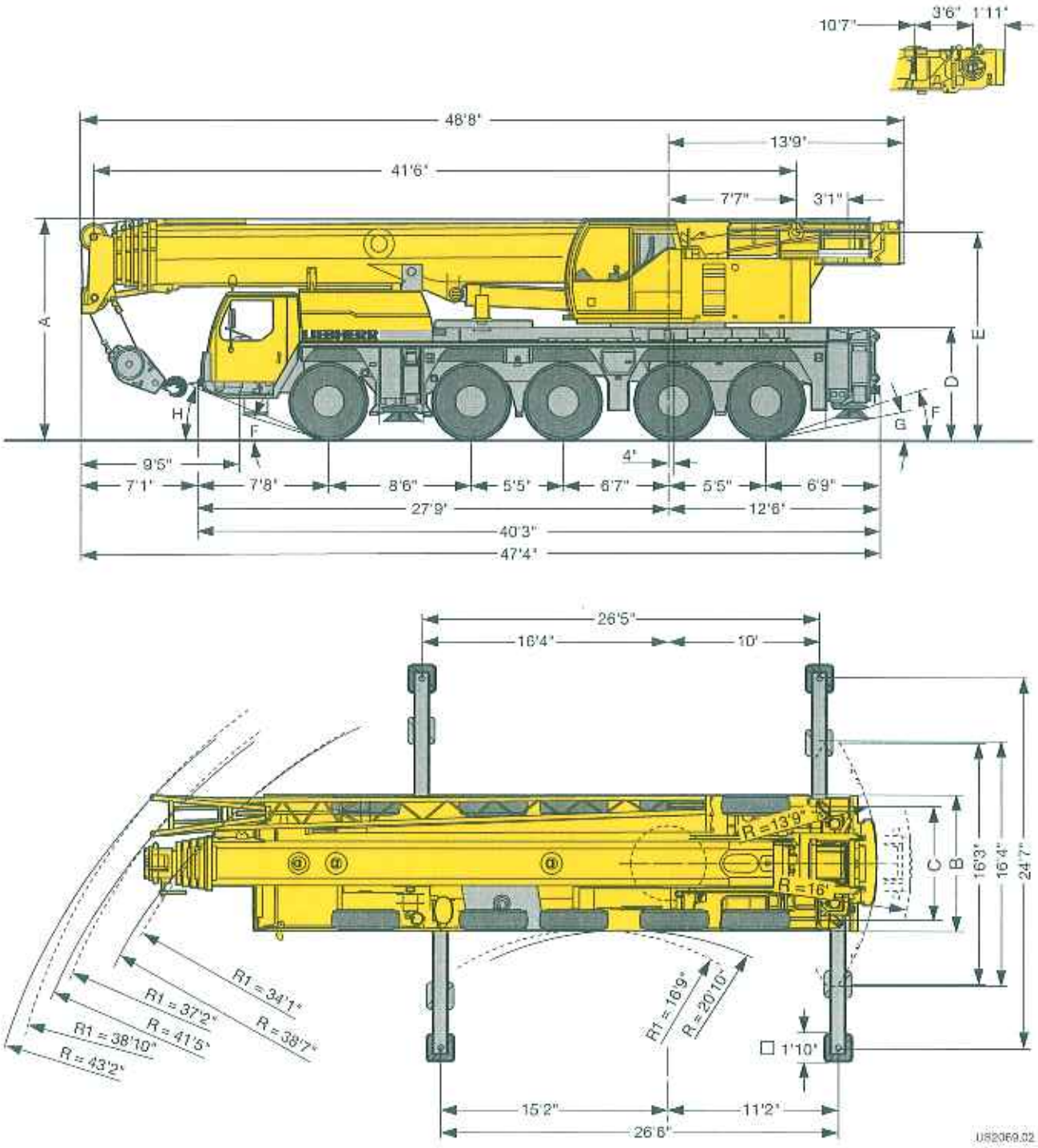
↔ ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			↔ ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	6																					17
20	6																					20
23	6																					23
26	6																					26
29	6																					29
32	5.9																					32
35	5.9																					35
38	5.8	6																				38
44	5.6	5.9		6			5.1			5.3			4.4			4.6						44
50	5.4	5.7		6			5.1			5.3			4.4			4.6			4			50
56	5.1	5.3	5.3	5.9			5.1			5.3			4.4			4.6			4			56
62	4.8	4.9	5.1	5.9			5.1			5.3			4.4			4.6			4			62
68	4.4	4.6	4.8	5.9	5.7		5.1			5.3			4.4			4.6			4			68
74	4.1	4.3	4.5	5.8	5.7		5.1	5.1		5.2	5.3		4.4	4.4		4.6	4.6		4			74
80	3.8	4	4.2	5.7	5.7		5.1	5.1		5.2	5.3		4.4	4.4		4.5	4.6		3.9	4		80
86	3.6	3.7	3.9	5.5	5.5	5.1	5	5.1	4.6	5	5.2	4.9	4.3	4.4			4.6			4		86
92	3.4	3.5	3.6	5.1	5.2	5.1	4.7	4.9	4.6	4	5.1	4.9		4.4			4.6			4		92
98	3.1	3.2	3.4	4	5	4.9	3.7	4.7	4.6	3.1	4.9	4.8		4.4	4.4		4	4.6		3.7		98
104	2.9	3.1	3.2	3.1	4.8	4.7		4.5	4.4		4.1	4.6		3.8	4.3		3	4.5			4	104
110	2.7	2.9	3		4	4.5		3.7	4.3		3.2	4.4		2.9	4.2			3.7			3.4	110
116	2.6	2.7	2.8		3.2	4.2		2.9	4			3.7			3.5			2.8				116
122	2.4	2.5	2.6			3.6			3.4			2.9										122
128	2.3	2.4	2.3			2.8																128
134	2.2	2.2																				134

TAB 1821302 / 1820322 / 1820342

Lifting heights
Hauteurs de levage



Dimensions
Encombrement



R = All-wheel steering · Direction toutes roues

	Dimensions · Encombrement								
	A	A 4° *	B	C	D	E	F	G	H
16.00 R 25	13'1"	12'10"	9'	7'7"	6'9"	12'4"	22°	14°	26°
20.5 R 25	13'1"	12'10"	9'4"	7'7"	6'9"	12'4"	22°	14°	26°

* lowered · abaissé

Weights
Poids



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

[1] with 19800 lbs counterweight - avec contrepoids 19800 lbs



Load (kips) Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
242.5	7	14	2730
198.8	5	11	1980
130	3	7	1540
57.5	1	3	990
19.4	–	1	550

Working speeds
Vitesses



		1	2	3	4	5	6	7	8	9	10	11	12	R1	R2	
16.00 R 25 20.5 R 25	mph	1.2 – 3.5	4.5	5.8	7.5	9.5	12.2	16.1	20.6	26.6	34.2	43.4	50	1.3 – 3.8	4.9	43 %
		0.53 – 1.6	2	2.6	3.3	4.2	5.3	7	9	11.6	14.9	18.9	24.2	0.57 – 1.7	2.1	55 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
1	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
2	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
360°	0 – 1.5 rpm		
	approx. 65 seconds to reach 82° boom angle env. 65 s jusqu'à 82°		
	approx. 511 seconds for boom extension from 42 ft – 197 ft env. 511 s pour passer de 42 ft – 197 ft		

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, type D846 A7, watercooled, output 370 kW (503 h.p.) at 1900 rpm, max. torque 1737 lbs-ft at 1200 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 127 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 37.2 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 2nd and 5th 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 rpm, max. torque 678 lbs-ft at 1100 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 66 gallons.
Crane drive	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatment.
Control	Electric „Load Sensing" control, simultaneous operation of 4 working motions, 2 self-centering Hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear inversible from released to locked as standard feature.
Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Safety devices	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 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system "Telematik". Boom length: 42 ft – 197 ft.
Counterweight	64600 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib	35 ft – 62 ft long, mountable to the telescopic boom at 0°, 20° or 40°. Hydraulic ram for operating the swing-away jib from 0° – 40° (option).
Telescopic boom extension	23 ft – 46 ft long lattice section, thus higher pining point for swing-away jib.
2nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	10 tyres, size 20.5 R 25.
Drive 10 x 8	Additional drive of the 1st axle.
Additional counterweight	28000 lbs for a total counterweight of 92600 lbs.

Other items of equipment available on request.

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 rpm, couple max. 1737 lbs-ft à 1200 rpm – 1500 rpm. Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 127 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 électro-hydrauliquement 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. 37.2 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.
Moteur	Moteur diesel Liebherr, 4 cylindres, de type D934S A6, à refroidissement par eau, de 145 kW (197 ch) à 1800 rpm, couple max. 678 lbs-ft à 1100 rpm – 1500 rpm. 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 2 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Commande	Direction électrique "Load Sensing", 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Mécanisme de levage	Moteur à cylindrée constante et à pistons axiaux. Treuil de marque Liebherr équipé d'un engrenage planétaire et d'un frein d'arrêt commandé par ressort.
Mécanisme de relevage	1 vérin différentiel avec clapet de frein commandé.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, réducteur planétaire, frein d'arrêt commandé par ressort. Commutation en série du mécanisme d'orientation: ouvert et en orientation freinée automatiquement.
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 5 éléments télescopiques. Tous les éléments télescopables indépendamment les uns des autres. Système de télescopage séquentiel rapide, «Telematik». Longueur de flèche: 42 ft – 197 ft.
Contrepoids	Plaque de base 64600 lbs.
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Equipement supplémentaire

Fléchette pliante	Longueur: 35 ft – 62 ft, montable sous un angle de 0°, 20° ou 40°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 40° (en option).
Rallonge flèche télescopique	Elément en treillis de 23 ft – 46 ft, de cette manière point d'articulation plus haute 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 est mouflé.
Pneumatiques	10 pneus. Taille: 20.5 R 25.
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	28000 lbs pour un contrepoids total de 92600 lbs.

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 183000 lbs / 242500 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 dépliable déposée.
8. Forces de levage plus de 183000 lbs / 242500 lbs seulement avec moufle additionnel/équipement supplémentaire.

Liebherr-Werk Ehingen GmbH
Postfach 1361, 89582 Ehingen, Germany
☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99
www.liebherr.com, E-mail: info.lwe@liebherr.com