

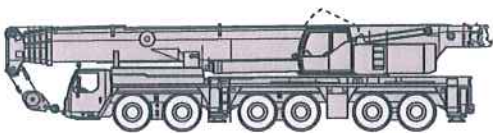
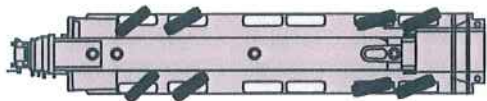
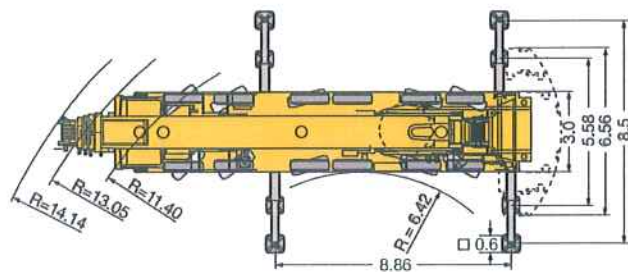
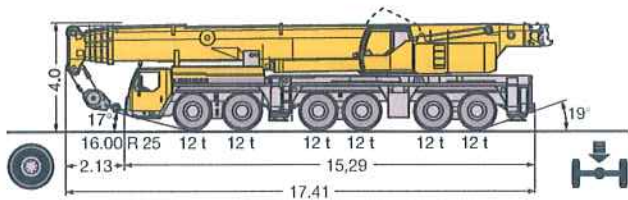
# Mobile Crane Product advantages

# LTM 1250-6.1

**Max. lifting capacity: 250 t**  
**Max. height under hook: 108 m**  
**Max. radius: 92 m**



# LIEBHERR

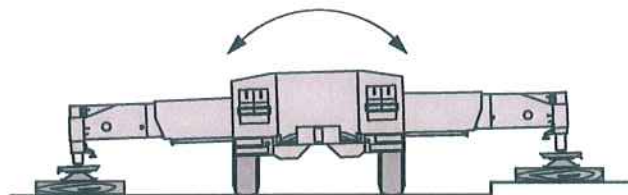
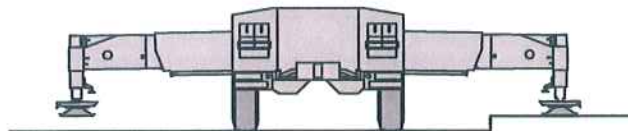
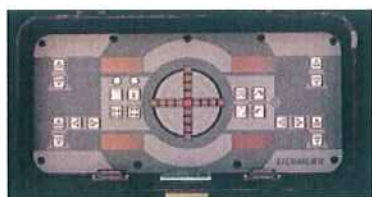
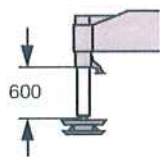


## Compact, manoeuvrable and safe

- Overall length 17.4 m, carrier 15.3 m long
- Large overhang angles, front up to 17°, rear up to 19°
- Smallest turning radius by 5-axle steering (13.1 m over carrier)
- Axle load equalization (12 t) due to hydropneumatic suspension "Niveaumatik"
- In addition to service and parking brake, the following sustained-action brakes are part of the standard equipment for safe travel: retarder in the automatic transmission and engine brake as exhaust brake with Liebherr auxiliary brake system by valve control (ZBS)

## Variable drive and steering concept

- Standard 5-axle steering, 5th and 6th axle are also steerable independent from axles 1 – 3. During crab steering/diagonal displacement, axles 3 and 4 are raised hydraulically
- Drive 12 x 6, axles 1, 5 and 6 are driven
- Drive 12 x 8, axles 1, 3, 5 and 6 are driven, 3rd axle activatable for off-road travel
- Automated gear system ZF-TC-TRONIC with converter and retarder; 12 forward and 2 reversed speeds, automated control
- Reduced fuel consumption due to a great number of speeds, sensitive maneuvering due to converter
- Robust transfer case with transfer differential
- Driving axles with differential locks for transverse locking in off-road ratio



## Setting crane on outriggers - quick, convenient and safe

- Supporting basis 8.84 m x 8.5 m or 8.84 m x 5.58 m
- Fixed lightweight supporting pads (plastic) with lateral compensation
- Supporting rams with 600 mm travel
- Level control of supporting system, all-automatic levelling of the crane during the supporting procedure by "push-button control"
- 2 x 9° lateral inclination even with locked suspension
- Inclinator (electronic inclination indicator) with two displays on the carrier and one display on the LICCON monitor in the crane cab
- 2 supporting force indicators on the control panels on the carrier and on the LICCON monitor
- Operation of the outrigger system in accordance with the rules for the prevention of accidents

### Ultramodern boom technology

- 72 m long, 6-section telescopic boom
- Features of the new boom technology:
  - optimized, ovalform boom profile – patented internal interlocking system of the telescopes
  - automatic telescopic system "Telematic"
- Telescopic boom with electronically controlled telescoping system
- Boom bearings of low maintenance polyamide slide blocks
- Outstanding lifting capacities, e.g.
  - 84 t at 10 m radius
  - 36 t at 20 m radius
  - 15.4 t at 40 m radius
  - 8.4 t at 60 m radius
  - 2.1 t at 80 m radius
  - 1.1 t at 92 m radius

### Powerful carrier drive

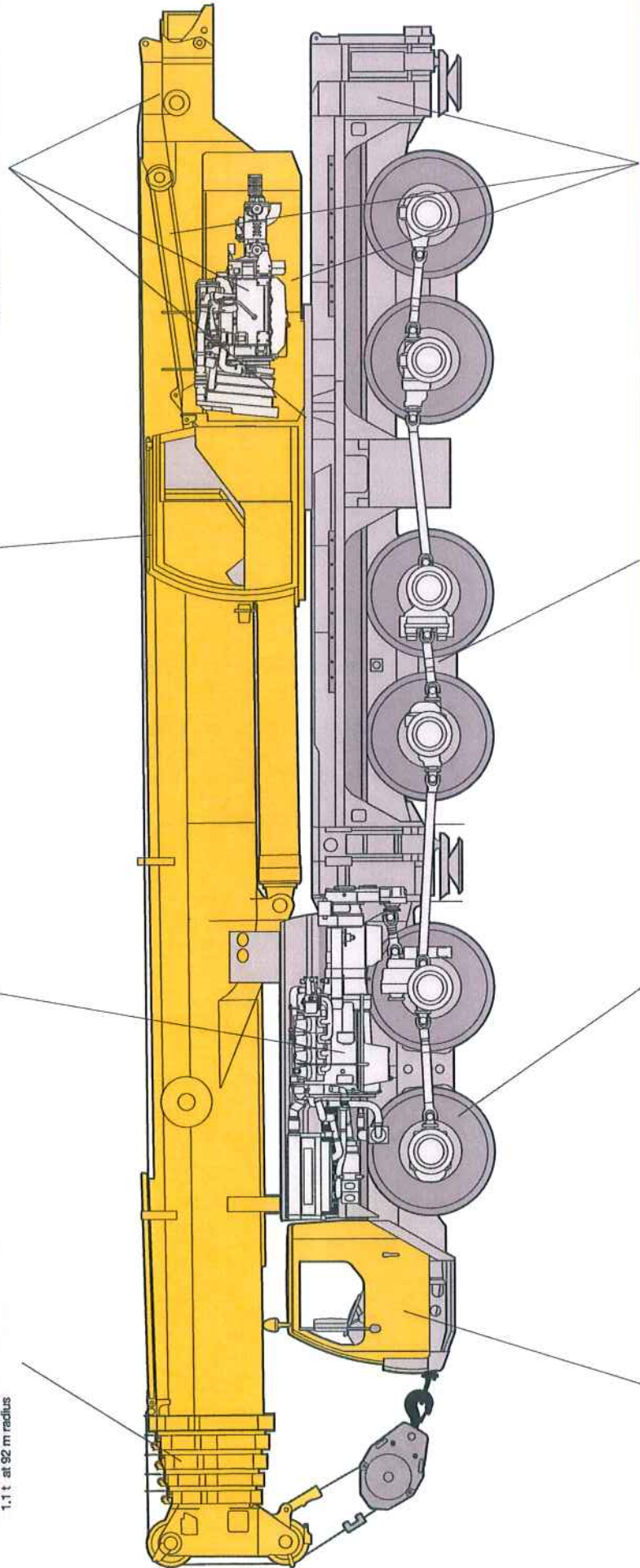
- 8-cylinder Liebherr turbo-charged Diesel engine type D9508 A7, 450 kW/612 h.p., exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3, energy-saving, robust and reliable, electronic engine management
- Automated gear system ZF-TRONIC with converter and retarder: 12 forward and 2 reversed speeds, automated control
- Robust transfer case with transfer differential
- Robust crane axles, welded design
- Max. driving speed 76 km/h, max. gradability 43 %

### Crane cab of modern design

- Steel-fabricated and corrosion-resistant crane cab, powder-coated, with internal sound and heat absorbing panelling, modern interior design, tinted panes all-round, front knockout window with large windscreen wiper and washer, skylight of bullet-proof glass with large windscreen wiper and washer, roller blinds on front window and skylight, space saving sliding door
- Additional heater with engine preheating
- Pneumatic operated footboard for safe access to the carrier
- Crane cab tiltable by 20° to the rear

### Crane drive with field-proven components

- Crane engine: 4-cylinder Liebherr turbo-charged Diesel engine type D934L A6 of 180 kW/245 h.p., robust and reliable exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3, electronic engine management, optimized fuel consumption, exhaust gas system of stainless steel, very efficient noise abatement of the dieselhydraulic crane drive
- Slewing rim, slewing gear and the winches are self-manufactured components specially matched for the application on mobile cranes
- The centralized lubricating system for slewing rim, boom bearing application, tuffing rams and slewing bearings is a standard feature



### Modern and comfortable driver's cab

- Steel-fabricated, corrosion resistant cab, cataphoretic dipped, front section on rubber shock absorbers, rear section on hydraulic dampers, internal sound and heat absorbing panelling, modern interior design of outstanding functionality
- Safety glass all-round, green-tinted heat-isolating front and side window panes, electric window lifters
- Standardised digital operating and control elements arranged in an operator-friendly halfround shape
- Additional heater with engine preheating

### Outstanding carrier technology for road and off-road operation

- Weight-optimized and low maintenance axles of high-tensile steel, perfect track-keeping and lateral stability due to special control linkage arrangement
- The low maintenance steering knuckles are steel and rubber mounted, thus bearing failures are practically ruled out
- The perfected and robust axles are manufactured in large series and are part of the trouble-free components of a mobile crane
- The cardan shafts are maintenance-free. The 70° diagonal toothing and 4 fixing bolts enable easy and fast fitting of the cardan shafts

### Crane- and road-preserving Niveaumatik suspension

- Maintenance-free suspension rams, free from lateral forces and protected against damage by synthetic tubes
- Level adjustment (suspension set to "travel mode") can be performed automatically from any position by push-button control
- Stable cornering ability of the crane due to cross mounting of the hydropneumatic suspension
- Axle locking system (blocking of the suspension for travelling with equipment) integrated into the suspension rams and controllable from the driver's cab

### Weight-optimized steel structure

- Carrier, superstructure and telescopic boom in light-gauge design, calculated by the F.E.M. method, thus weight-optimized and particularly torsionally rigid
- Tensile property of the material with high safety factors through the application of STE 960 (960 N/mm<sup>2</sup>) for all supporting members, Telescopic boom bottom shell of ultra-high tensile steel S 1100 QL (1100 N/mm<sup>2</sup>)
- Weldment joints of outstanding quality are performed by computer-aided welding machines
- The weld quality is documented by ultrasonic test

## Comfortable driver's cab of outstanding functionality

- Modern and comfortable driver's cab of outstanding functionality and convincing design
- Ergonomically arranged operating and display units for safe and convenient handling at permanent operation
- Digital display and keyboard units interconnected with the function blocks by data bus technique
- Air-cushioned driver's and co-driver's seat with head rests, driver's seat with lumbar support
- Auxiliary heater with engine preheating
- Safety belts for driver and co-driver
- Height and inclination adjustable steering wheel
- Heated and electrically adjustable rear mirrors
- Side panes with electric window lifters
- 3 automatic windscreen wipers with washing device and intermittent control
- Delayed disconnection or interior lighting
- Various racks and boxes
- Radio preparation



## Comfortable crane cab of outstanding functionality

- Spring-mounted and hydraulically cushioned crane operator's seat with pneumatic lumbar support and headrest
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable master switch consoles and ergonomically adjustable operating consoles
- Ergonomic control levers with integrated winch rotation and slewing indicator
- Modern instrument supporting base with integrated LICCON monitor, display of all essential operating data on the LICCON screen
- Green-tinted heat-isolating front and side window panes
- Wiper/washer device for front window and skylight
- Auxiliary heater with engine preheating
- Various racks and boxes
- Radio preparation
- 1 working projector 70 Watt on the cabin front

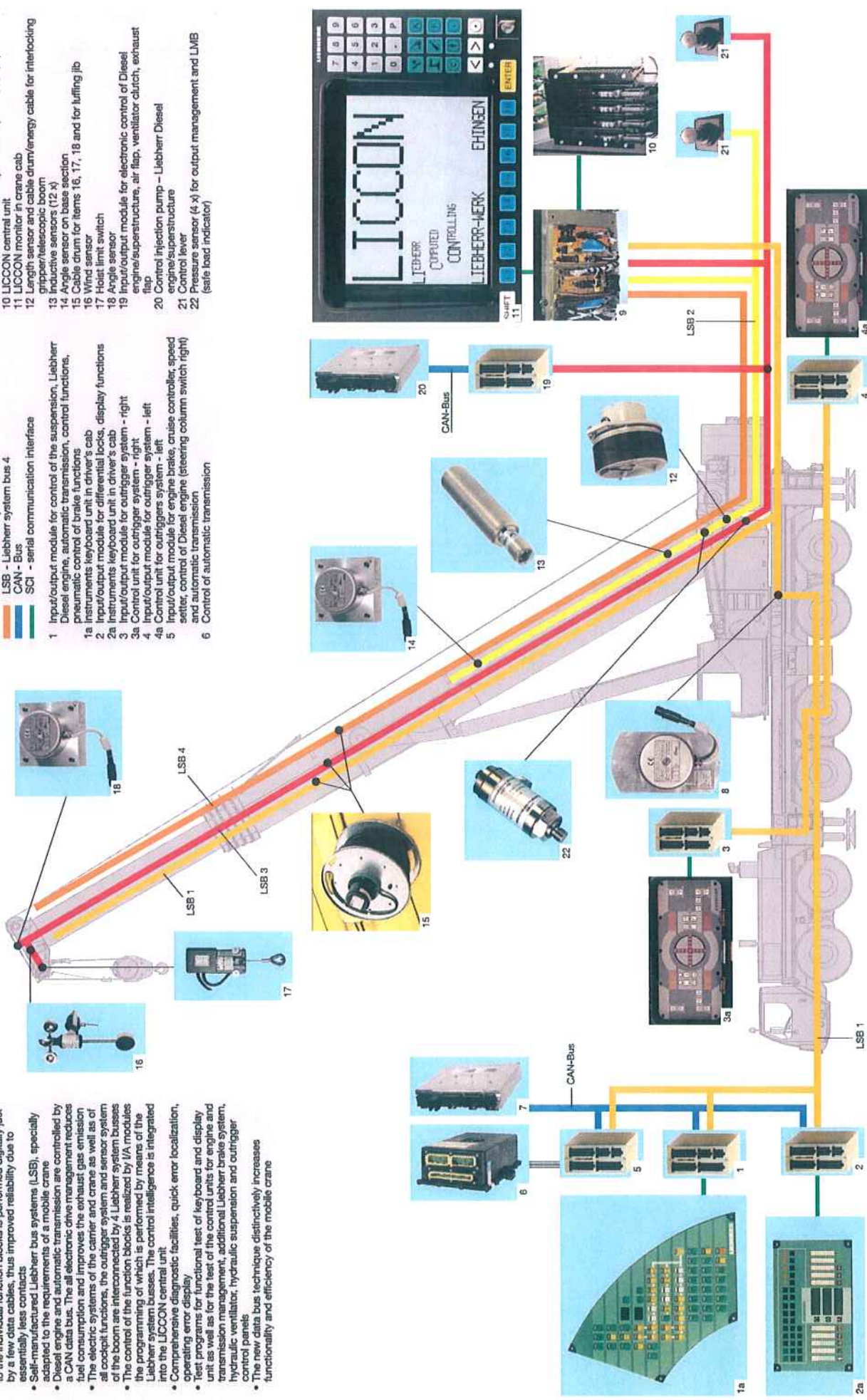


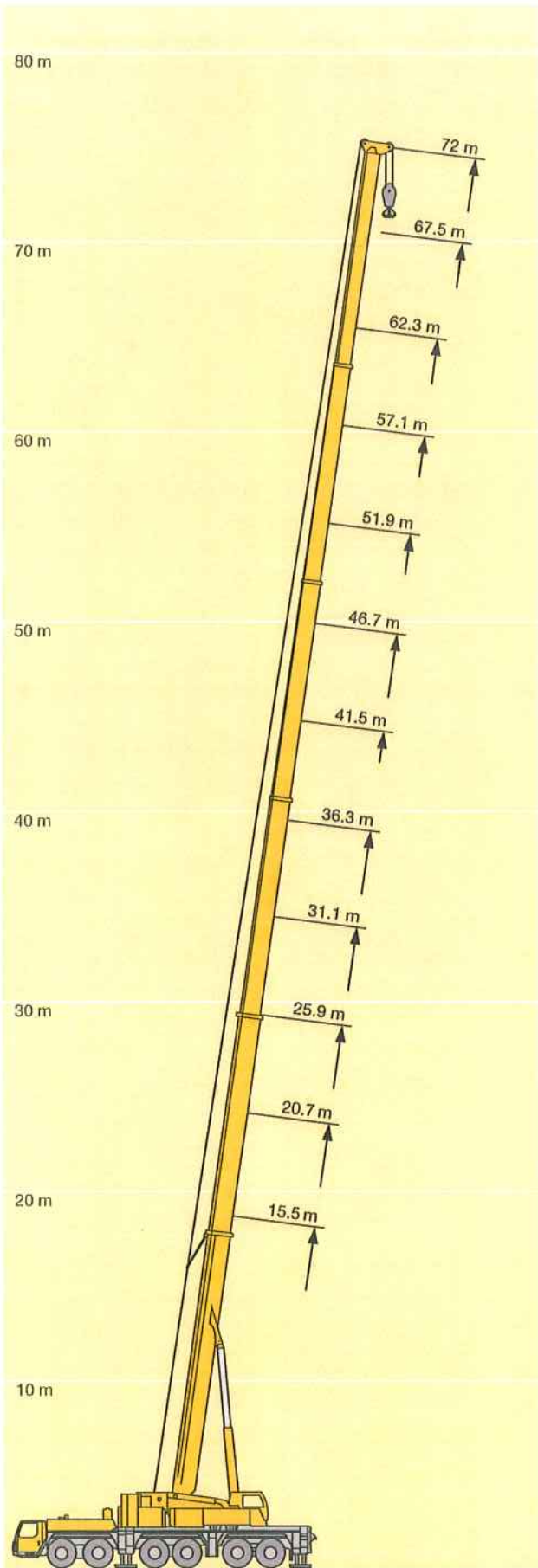
- The electric and electronic components are interconnected by the latest data bus transmission techniques
- Instead of the traditional electric wiring, the data transmission to the individual function blocks is performed digitally just by a few data cables, thus improved reliability due to essentially 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
- The control of the function blocks is realized by I/A modules the programming of which is performed by means of the Liebherr system buses. The control intelligence is integrated into the LICCON central unit
- Comprehensive diagnostic facilities, quick error localization, operating error display
- Test programs for functional test of keyboard and display unit as well as for the test of the control units for engine and transmission 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
  - LSB - Liebherr system bus 4
  - CAN - Bus
  - 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
- 2 Instruments keyboard unit in driver's cab
- 2a Input/output module for differential locks, display functions
- 3a Input/output module for outrigger system - right
- 3b Input/output module for outrigger system - left
- 4 Control unit for outriggers system - left
- 4a Control unit for outriggers system - right
- 5 Input/output module for engine brake, cruise controller, speed setter, control of Diesel engine (lettering column switch right) and automatic transmission
- 6 Control of automatic transmission

- 7 Control of injection pump - Liebherr Diesel engine/carrier
- 8 Swiveling sensor in slipping unit
- 9 Connection of Liebherr system bus (LSB 1, 2, 3, 4)
- 10 LICCON central unit
- 11 LICCON 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)

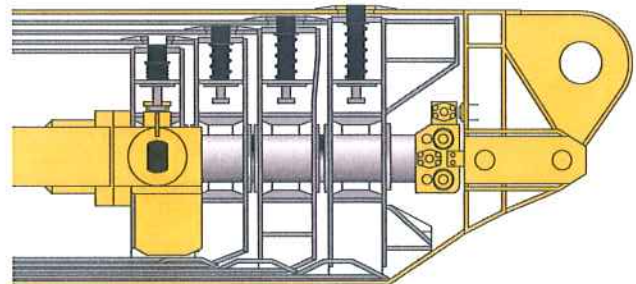
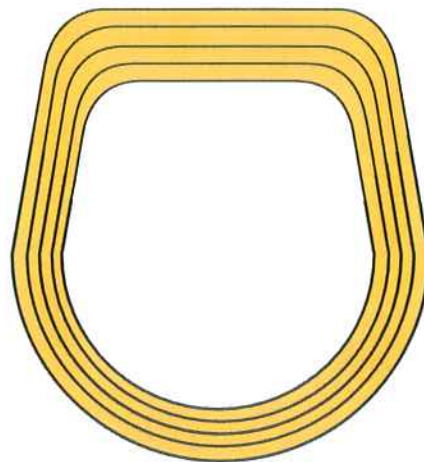




## Load handling - precise and safe

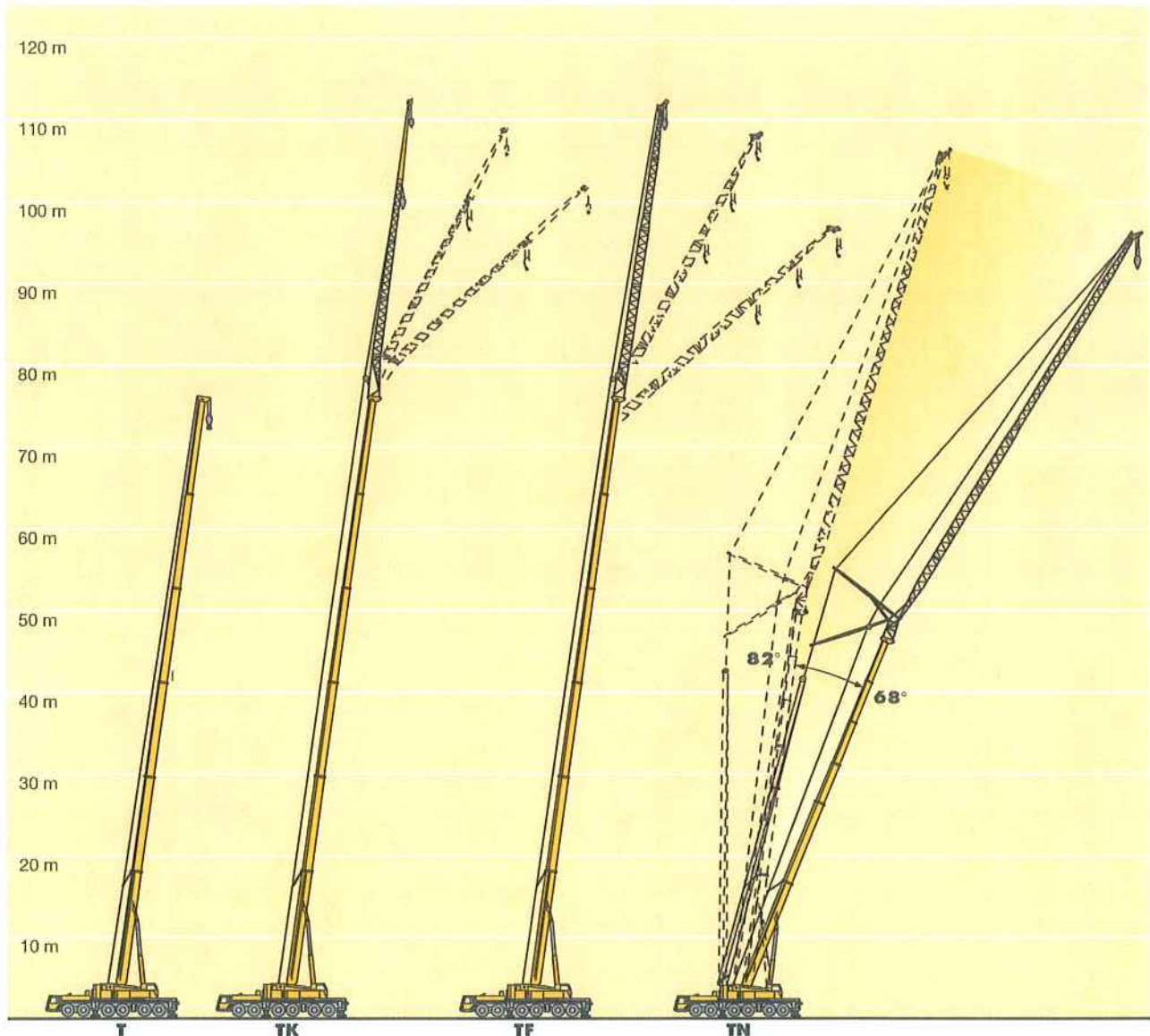
- 6-section, 72 m long telescopic boom for 72 m height under hook and 66 m radius
- Optimized, oviform boom profile with continuous curvature of the bottom shell and offset joint, high deformation stability for maximum loads
- Broad boom profile for strengthening of the lateral bending axis and stabilization of long additional booms
- Patented internal locking system of the telescopes - reliable and maintenance-free
- High functionality of the boom system due to the automated telescoping system "Telematik"
- Optimal utilization of the telescopic boom due to a multitude of telescoping variants

oviform boom profile

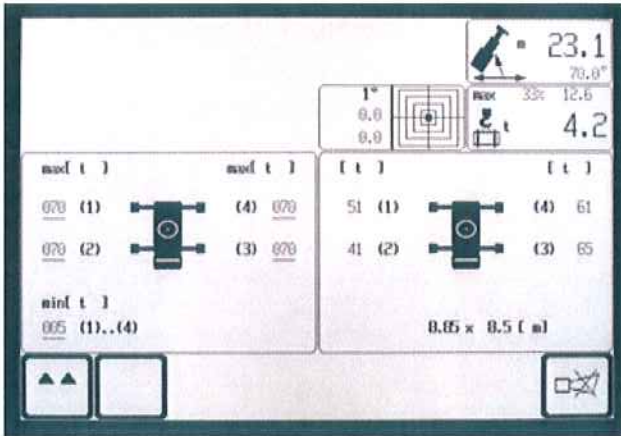


## Multi-variable boom configuration system

- Telescopic boom T, 15.5 m – 72 m
- Swing-away jib K, 12.2 m long, biparted swing-away jib K, 12.2 m – 22 m long, extendable up to 36 m, mountable at 0°, 20° or 40°
- Special swing-away jib, 3.4 m long
- Fixed lattice jib TF, 14 m – 42 m, mountable at 0°, 20° or 40° to the 51.9 m – 72 m long telescopic boom
- Luffing lattice jib TN, 17.5 m – 70 m, mountable on the 15.4 m – 67.5 m long telescopic boom with continuous inclination between 82° and 68°
- Intermediate sections TF and TN equipment identical and can be slid into one another for transportation
- Jib A-frames with T-adapter and N-base section form a complete transport unit and can be mounted with just 4 pins
- Easy-to-rig stay rods which remain on the intermediate sections during transportation
- Auxiliary winch on the superstructure for easy reeving of the hoist and luffing ropes
- Rigging of the lattice jib is practicable in suspended condition on restricted sites
- Winch 2 for luffing operation of the jib
- Continuous load capacity interpolation during luffing of the boom combinations TN between 82° and 68° inclination of the telescopic boom

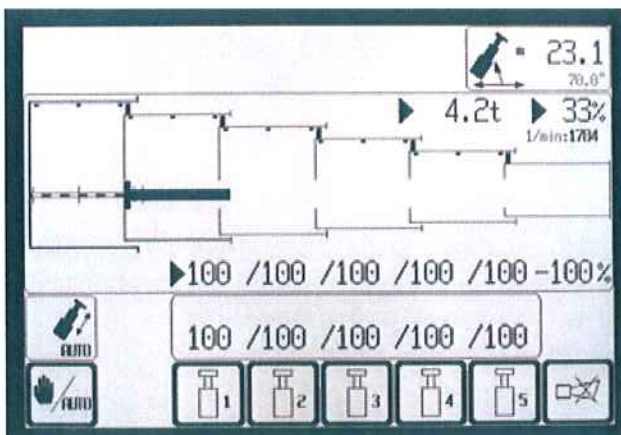
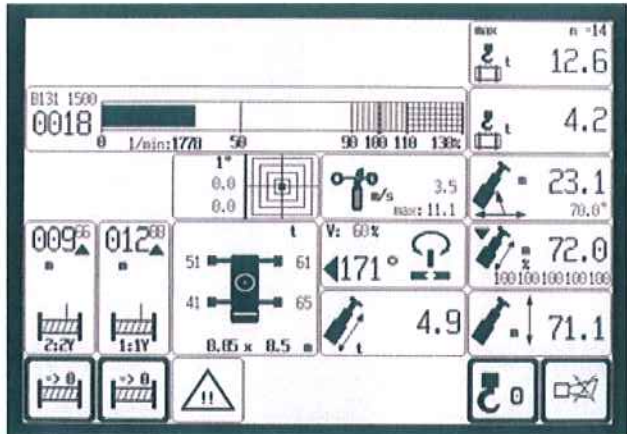


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90 +	90 +	90 +	90 +	100 +	0 +	0 +
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## LICCON computer system for control and monitoring functions

- Standard application programs: Safe load indicator (LMB), configuration program with configuration image, telescoping program with telescoping image, supporting force display, control parameter program, test system; and as an option, the work area limitation and the LICCON work planner
- Setting of the crane configuration by convenient interactive functions
- Safe and reliable acknowledgement of the crane configuration set
- Representation of all essential data by graphic symbols on the operating image
- With integrated wind speed control
- Reliable cut-off device in the event of exceeding the admissible load moments
- Safe working load values for any intermediate boom length
- Winch indications for ultra-precise lifting/lowering of the load



## 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
- Telescoping loads are displayed on the LICCON operating image
- Rapid-cycle telescoping system with "automatic mode", i.e. all automatic telescoping of the boom to the desired length
- Particularly compact and light-weight telescopic system, thus increased lifting capacities specially with long booms at large radii
- Automatic cushioning in end positions during telescoping and retracting for the preservation of the structural members



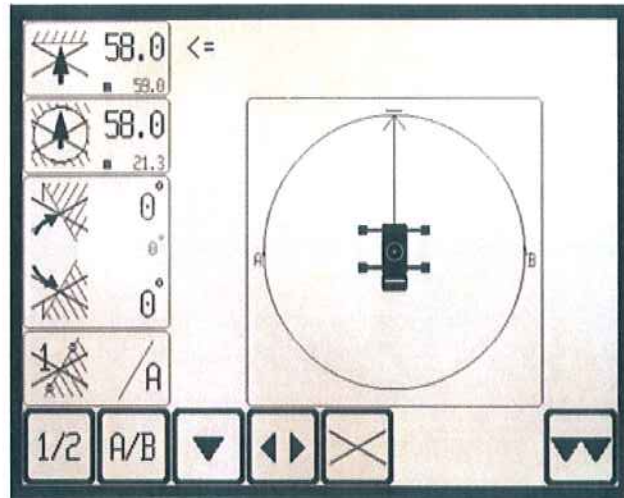
## The LICCON test system

- The test system assists the servicing personnel in quickly localizing errors of the sensor system without needing any further measuring instruments
- Convenient interactive functions permit the observation of all in- and outputs of the general system by different displays on the monitor even during crane operation. It equally visualizes the allocation of the individual sensors to the system as well as their function and the terminals concerned in the control cabinet
- The table of contents enables the display of the contents and the state of development of the program modules as well as the load charts on the monitor
- The service starts on the monitor, error detection becomes a matter of seconds

SYSTEM-FUNKTION: AUSGANG		GRUPPE 0	ZE. 0
0.n	DOCUMENTATION	D	I-SOLL I-IST
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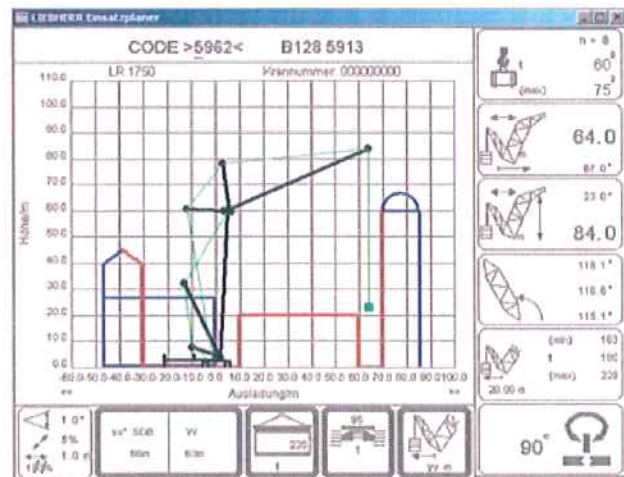
## The LICCON work area limitation system

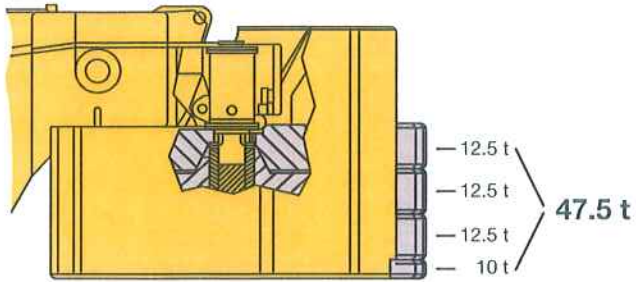
- It relieves the crane operator, especially in situations where the handling of loads requires his full attention, by controlling the work area limits. Work areas can be restricted by buildings, bridges, roofs, high-tension lines, pipe lines or adjacent cranes. The automatic work area limitation system (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

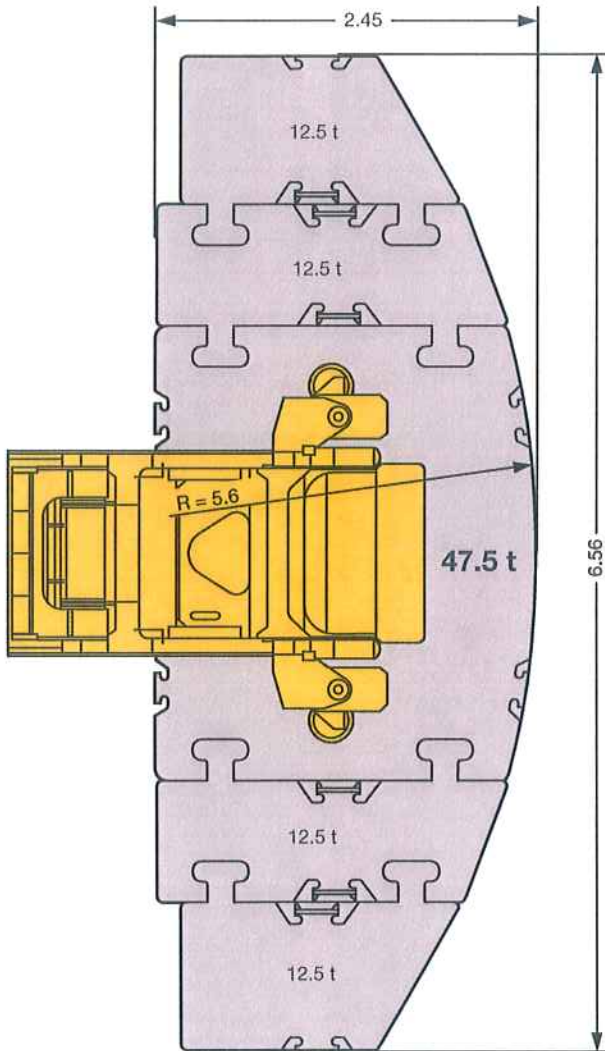
- The LICCON work planner consists of a software program for planning, simulation and documentation of crane applications on the monitor
- The 2-D planner allows to draw buildings, to write texts and to represent a crane model true to scale including its motions within a fictional construction site
- The work planner enables the preparation of more transparent offers, facilitates the briefing of the crane operators and it can be run on a laptop at the construction site





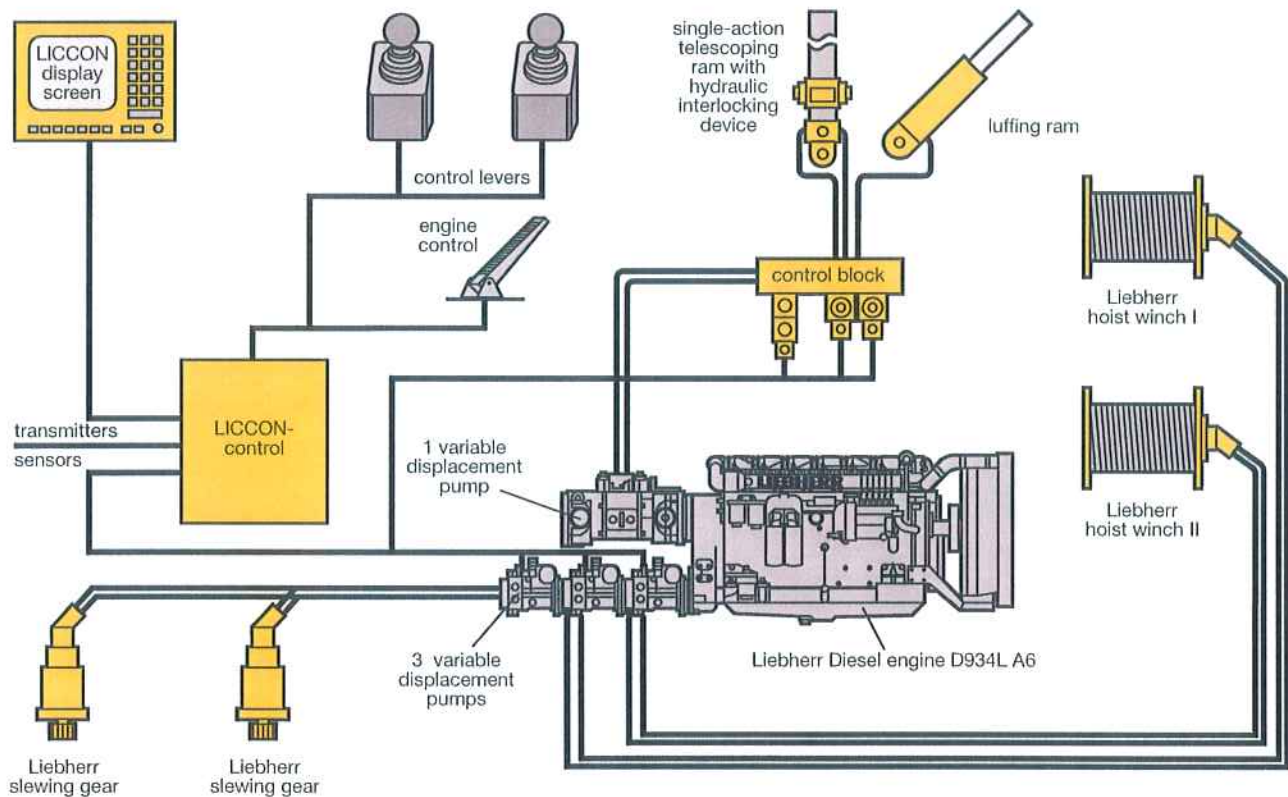
## Mounting of counterweight - just a matter of minutes

- Counterweight variants 0 t, 10 t, 22.5 t, 35 t, 47.5 t, 60 t, 72.5 t, 85 t and 97.5 t
- Ballasting controlled from the crane cab
- Quick ballasting due to the keyhole system
- Ballast rams fix-mounted to the superstructure
- Compact counterweight dimensions, e.g. 47.5 t counterweight of 3 m width only



## Electric/electronic crane control with integrated safe load indicator

- Control of winches, slewing gear as well as luffing and telescoping motions by the LICCON system (PLC control)
- Four working motions can be performed independent from one another
- Speeds of hoisting/lowering, slewing and luffing are preselectable in 5 steps
- Luffing speed controlled automatically dependent on the boom length
- Extremely short response times when initiating crane motions
- Hoist gear and slewing gear are operating in a "closed oil circuit". This ensures high-precision lifting, lowering and slewing of loads. Moreover, the potential energy generated during lowering is not transformed into heat but can be reemployed for a 2nd motion which results in the particular advantage of fuel saving and reduced thermal exposure of the oil than in an open circuit
- Functional test of all essential components by the LICCON test system



## Optional features extend the application spectrum and increase comfort and safety

### On the carrier

- Eddy-current-brake
- Stow-away box for sling gear and stand timber
- Air-conditioning system
- Trailer coupling D12/D19
- Radio preparation
- Seat heating for driver's and co-driver's seat
- Fog lamps
- CD radio set

### On crane superstructure/telescopic boom

- 2nd hoist gear
- Air-conditioning system
- Seat heating
- Work area limitation
- Work projector 1 x 70 W on cabin roof
- Two work projectors (Xenon) – electrically adjustable – on boom base section
- whip line
- Erection jib
- GSM module for remote diagnostics
- Radio preparation
- CD radio set
- Crane data logger

Further optional features by request.

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Subject to modifications:

PN 131.01.E02.2006

**Liebherr-Werk Ehingen GmbH**

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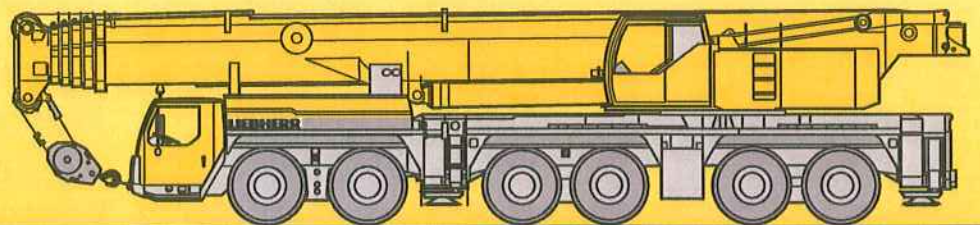
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**Mobile Crane  
Grue mobile**

**LTM 1250-6.1**

**Technical Data  
Caractéristiques techniques**



**LIEBHERR**

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

		51 - 236 ft		360°		214900 lbs		85%																		
		51 ft		68 ft		85 ft		102 ft		119 ft		136 ft		153 ft		170 ft		187 ft		204 ft		221 ft		236 ft		
ft		ft																								
9			389																							9
10	585	388	297																							10
12	370	370	297	258																						12
14	331	331	297	258																						14
16	305	305	284	258	197																					16
18	286	286	267	250	197	157																				18
21	261	261	246	232	197	157	134																			21
24	239	239	226	214	195	157	134	104																		24
27	220	220	209	198	188	157	134	104	81.5																	27
30	201	201	195	184	175	157	132	102	81.5	63.5																30
33	183	183	182	172	164	156	130	97.5	81	63.5																33
36	163	163	170	162	154	150	129	93.5	79	63.5	46.3															36
39	142	142	158	153	145	141	124	89.5	76.5	63.5	46.3	41.3														39
45			137	136	130	127	113	82	71.5	60.5	46.3	41.1														45
51			115	121	117	115	104	74.5	66	57.4	46.3	40.8	34													51
57			76.5	107	105	104	96	68	60.5	53.6	46	39.8	33.8													57
63				93	94.5	95	89	63	55.7	49.9	44	38.5	33.2													63
69				79	84	86	82.5	59.2	51	46.4	41.3	36.9	32.3													69
75					75	77.5	76.5	56.1	46.9	43.2	38.8	35.1	31													75
81					65.5	72.5	71	53.2	43.7	40	36.4	33.2	29.4													81
87					59.1	67	65	50.5	40.9	37	34.2	31.4	27.9													87
93						61	59.4	48	38.4	34.5	32.1	29.8	26.4													93
99						53.8	54.3	45.6	36.1	32.1	30.1	28.2	25.1													99
105							49.9	44	33.8	30.3	28.3	26.6	23.7													105
111							45.9	42.4	32	28.6	26.5	25.1	22.5													111
117							40.7	40.9	30.7	27	24.9	23.8	21.3													117
123								36.2	39.5	29.5	25.4	23.6	22.4	20.1												123
129									36.9	28.4	24.1	22.4	21.1	19												129
135									33.6	27.4	22.9	21.2	19.8	17.9												135
141									23.1	26.3	21.8	20.1	18.6	16.9												141
147										25.4	20.8	19.3	17.4	15.9												147
153										24.4	19.8	18.4	16.3	14.9												153
159											19	17.7	15.4	14												159
165											18.3	16.9	14.6	13.3												165
171											17.7	16.2	13.7	12.6												171
177											14.7	15.5	12.9	11.9												177
183												14.8	12.2	11.2												183
189													11.4	10.5												189
195													10.7	9.8												195
201													10	9.2												201
207														8.5												207
213														7.9												213

\* over rear / en arrière





TAB 131201 / 131351

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

		51 - 236 ft		360°		187400 lbs		85%							
ft		51 ft	68 ft	85 ft	102 ft	119 ft	136 ft	153 ft	170 ft	187 ft	204 ft	221 ft	236 ft	ft	
9	389													9	
10	388	297												10	
12	370	297	258											12	
14	331	297	258											14	
16	305	284	258	197										16	
18	286	267	250	197	157									18	
21	261	246	232	197	157	134								21	
24	239	226	214	195	157	134	104							24	
27	220	209	198	188	157	134	104	81.5						27	
30	201	195	184	175	157	132	102	81.5	63.5					30	
33	183	182	172	164	156	130	97.5	81	63.5					33	
36	163	170	162	154	150	129	93.5	79	63.5	46.3				36	
39	142	158	153	145	141	124	89.5	76.5	63.5	46.3	41.3			39	
45		137	136	130	127	113	82	71.5	60.5	46.3	41.1			45	
51		115	119	116	115	104	74.5	66	57.4	46.3	40.8	34		51	
57		76.5	103	102	103	96	68	60.5	53.6	46	39.8	33.8		57	
63			90.5	89	91.5	89	63	55.7	49.9	44	38.5	33.2		63	
69			78.5	78.5	83	82	59.2	51	46.4	41.3	36.9	32.3		69	
75				70	76.5	74.5	56.1	46.9	43.2	38.8	35.1	31		75	
81				64.5	69	67	53.2	43.7	40	36.4	33.2	29.4		81	
87				59.1	63	61	50.5	40.9	37	34.2	31.4	27.9		87	
93					57.3	55.2	48	38.4	34.5	32.1	29.8	26.4		93	
99					52.4	50.2	45.6	36.1	32.1	30.1	28.2	25.1		99	
105						45.8	44	33.8	30.3	28.3	26.6	23.7		105	
111						42	42.4	32	28.6	26.5	25.1	22.5		111	
117						38.6	40.3	30.7	27	24.9	23.8	21.3		117	
123						36.2	37.4	29.5	25.4	23.6	22.4	20.1		123	
129							34.6	28.4	24.1	22.4	21.1	19		129	
135							32.2	27.4	22.9	21.2	19.8	17.9		135	
141							22.6	26.3	21.8	20.1	18.6	16.9		141	
147								25.4	20.8	19.3	17.4	15.9		147	
153								24.4	19.8	18.4	16.3	14.9		153	
159									19	17.7	15.4	14		159	
165									18.3	16.9	14.6	13.3		165	
171									17.7	16.2	13.7	12.6		171	
177									14.7	15.5	12.9	11.9		177	
183										14.8	12.2	11.2		183	
189											11.4	10.5		189	
195											10.7	9.8		195	
201											10	9.2		201	
207												8.5		207	
213												7.9		213	

TAB 131352

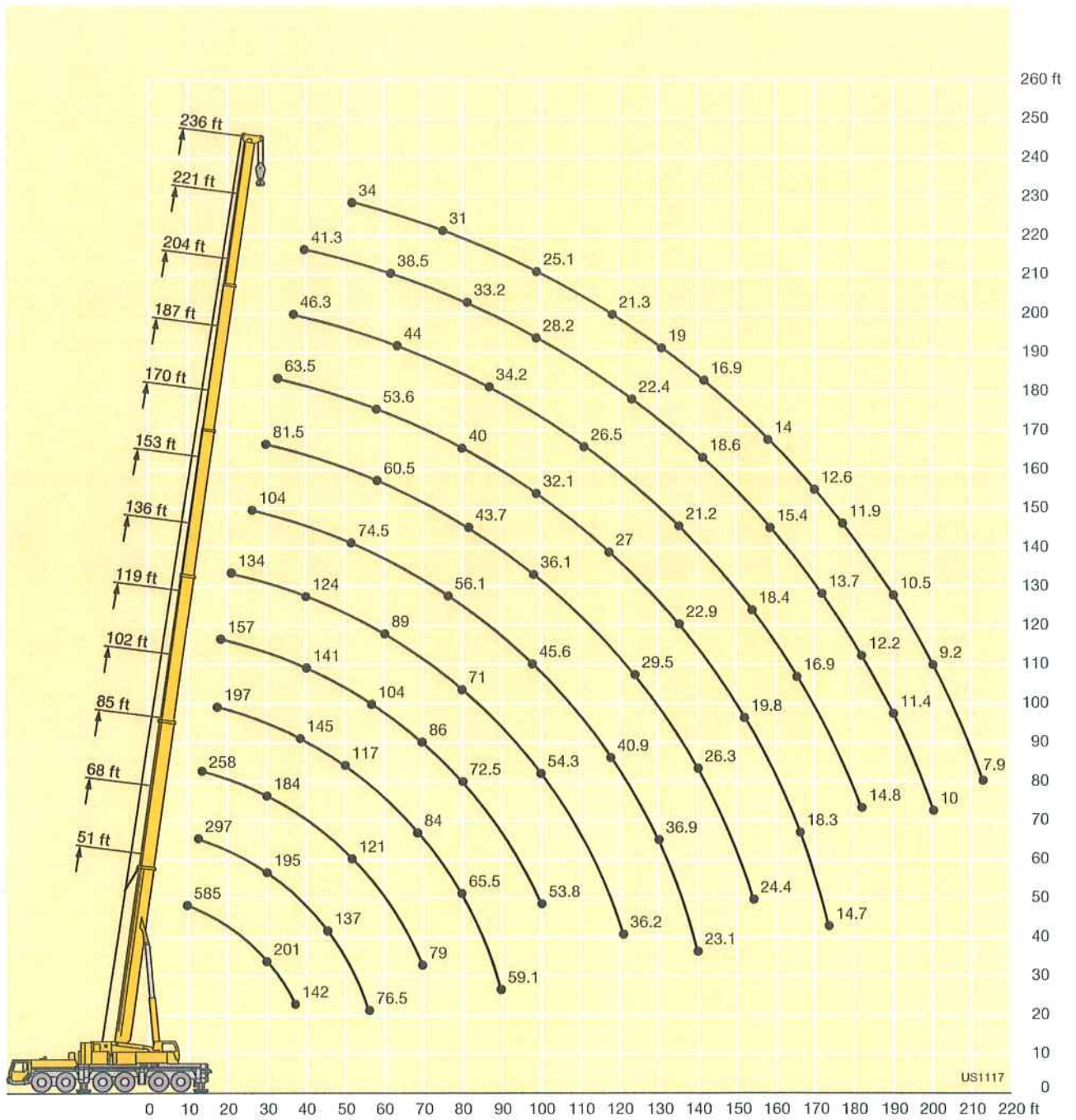
# Lifting capacities on telescopic boom Forces de levage à la flèche télescopique

   													
ft	51 ft	68 ft	85 ft	102 ft	119 ft	136 ft	153 ft	170 ft	187 ft	204 ft	221 ft	236 ft	ft
9	389												9
10	388	297											10
12	370	297	258										12
14	331	297	258										14
16	305	284	258	197									16
18	277	256	234	192	157								18
21	231	212	191	171	149	133							21
24	185	169	153	139	131	126	103						24
27	149	142	131	128	117	107	99	80.5					27
30	123	121	116	109	101	94.5	89.5	79.5	63.5				30
33	104	104	100	94.5	87.5	86	78.5	72	63				33
36	89.5	90	87.5	83	78	76	71.5	67.5	62	46.3			36
39	78	79	77.5	74.5	69	68	65.5	61	56.4	46.3	41.3		39
45		63	62	62	55.8	57.4	54.3	51.7	48.1	44.4	40.6	33.9	45
51		50.8	51	51.6	49.3	48.6	45.9	43.8	40.4	37.8	34.2	32	51
57		41	42.5	43.4	42.1	41	38.8	36.8	33.7	31.4	28.1	27.3	57
63			35.8	36.7	35.7	34.8	32.9	31.1	28.3	26.2	23.2	22.5	63
69			29.8	31.3	30.4	29.8	28	26.4	23.8	21.9	19.1	18.6	69
75				26.9	26.1	25.6	24	22.5	20.1	18.4	15.7	15.3	75
81				23.1	22.5	22.1	20.6	19.3	17	15.3	12.8	12.4	81
87				19.6	19.5	19.2	17.7	16.5	14.3	12.8	10.3	10	87
93					16.8	16.7	15.2	14.1	12	10.5	8.1	7.8	93
99					14.3	14.5	13.1	12	9.9	8.5			99
105						12.5	11.2	10.2	8.2				105
111						10.6	9.6	8.6	6.6				111
117						9	8.1	7.1	5.2				117
123						7.6	6.7	5.9					123
129							5.3	4.8					129
135							4.2						135

TAB 131358



# Lifting heights Hauteurs de levage



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



ft	51 ft			68 ft			85 ft			102 ft			119 ft			136 ft			ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	135	108																	10
12	135	107		135	105														12
14	132	102	84	135	104														14
16	125	98.5	82.5	131	101	83.5	129	101											16
18	120	95	80.5	126	98	82.5	126	98.5	82.5										18
21	112	90	77.5	119	94	80	120	95	81	113	95	79		91					21
24	105	86	75	112	90	77.5	114	91.5	79	112	92	78.5	108	90.5	77.5				24
27	98.5	82	72.5	106	86.5	75.5	110	88.5	77	109	89	77.5	105	88	77	91	80		27
30	93	78.5	70.5	101	83	73.5	105	85.5	75	105	86.5	76	102	86	76	90	80	71.5	30
33	88	75.5	68.5	96.5	80	72	100	82.5	73	102	84	74	99.5	84	74.5	88	78.5	71.5	33
36	84	73	66.5	92	77.5	70.5	96.5	80	71.5	98	81.5	72.5	97	82	73	86.5	77	70.5	36
39	80	70	64	88.5	75.5	69	93	78	70	95	79.5	71.5	94.5	80	72	85	75.5	69.5	39
45	71.5	63	60	82	71	65	87	74	67.5	89	76	69	90	77	69.5	82.5	73	67.5	45
51	63	58.6	31.6	76	66	61.5	81.5	71	65	84	72.5	66.5	85.5	74	68	79.5	71	66	51
57	55.7	22.7		70	62	58.8	77	67.5	62	79.5	69.5	65	82	71.5	66	75.5	68.5	64.5	57
63				64	58.3	37.1	72.5	63.5	59.6	76	67	63	79	69.5	64.5	71.5	65	62	63
69				58	39.6	16.4	68	60.5	58	72.5	64.5	61	76	67.5	63	67.5	62	59.4	69
75							63.5	58.1	42.8	68.5	62	59	71.5	65.5	61.5	64.5	59.5	57.1	75
81							59.1	56	20.1	63.5	59.5	57.4	65	63	59.8	61.5	57.1	55.1	81
87							54.1	46.5		57.4	56.6	48.1	58.6	59.2	57.7	58.3	54.9	53.3	87
93										51.8	52.3	22.3	53	53.6	53.9	54.7	52.8	51.6	93
99										46.8	45.4	16.7	48	48.5	47.9	49.7	50.3	49.8	99
105													43.6	44	35.2	45.3	45.8	46	105
111													39.8	40.1	21.9	41.4	41.9	42	111
117													36.4	36.6	12.9	38	38.3	38.5	117
123													31.6	26.6	7.6	34.9	35.2	27	123
129																32.1	32.3	16.8	129
135																29.7	26.8	10.7	135
141																22.4			141

TAB 131430 / 131492 / 131489

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



ft	153 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
30	77.5	72.5																	30
33	77.5	72		62															33
36	77	71.5	67	62	62		46.3												36
39	76	70.5	66	62	62	60.5	46.3	46.3											39
45	71.5	68.5	65	59.9	60	59.9	46.3	46.3	46.3	38.8	38.8								45
51	66	65.5	63.5	56.9	57.2	56.8	46.3	46.3	46.3	38.8	38.8	31.5	31.5		23.4	23.4		51	
57	61	61	60.5	53.1	53.3	53.4	45.2	45.6	45.8	38.4	38.4	31.5	31.5	31.5	23.4	23.4	23.4	57	
63	55.9	55.8	56.1	49.4	49.5	49.9	42.8	43.3	43.6	37	37	37.2	31.2	31.1	31.1	23.4	23.4	23.4	63
69	51.2	51.2	51.6	45.9	46	46.3	40.1	40.4	40.7	35.1	35.3	35.4	30.3	30.2	30.3	23.4	23.4	23.4	69
75	47.1	47.1	47.4	42.5	42.7	42.9	37.6	37.8	38.1	33	33.5	33.5	29	29	29.1	23.3	23.3	23.4	75
81	43.6	43.7	43.7	39.2	39.5	39.7	35.2	35.4	35.7	31.1	31.6	31.7	27.6	27.6	27.8	22.8	22.8	23	81
87	40.5	40.6	40.5	36.2	36.4	36.7	32.9	33.1	33.4	29.3	29.7	29.9	26.2	26.3	26.5	21.8	21.8	22.1	87
93	37.5	37.6	37.6	33.7	33.9	34.1	30.7	30.9	31.1	27.7	27.9	28.1	24.9	25	25.2	20.9	20.9	21.1	93
99	34.8	34.9	34.9	31.2	31.5	31.7	28.7	28.9	29.1	26.1	26.2	26.5	23.6	23.8	24	20	20.1	20.3	99
105	32.2	32.3	32.4	29	29.2	29.4	26.7	26.9	27.2	24.5	24.7	24.9	22.3	22.6	22.9	19.1	19.2	19.4	105
111	29.7	29.8	30	26.9	27.1	27.3	24.9	25.1	25.3	23	23.2	23.4	21.2	21.4	21.7	18.3	18.5	18.6	111
117	27.8	28	28.1	24.9	25.1	25.3	23.1	23.3	23.5	21.6	21.7	21.9	19.9	20.2	20.4	17.4	17.6	17.8	117
123	26.1	26.2	26.4	23	23.2	23.3	21.5	21.7	21.9	20.2	20.3	20.5	18.8	19	19.2	16.4	16.6	16.9	123
129	24.5	24.6	24.8	21.5	21.6	21.7	19.9	20.1	20.2	18.8	19	19.1	17.7	17.9	18.1	15.5	15.7	15.9	129
135	23	23.1	23.2	20.1	20.3	20.3	18.4	18.6	18.7	17.6	17.7	17.8	16.7	16.8	17	14.5	14.7	14.9	135
141	21.5	21.6	19.2	18.8	19	19	17	17.2	17.3	16.5	16.6	16.7	15.6	15.8	16	13.7	13.8	14	141
147	20.1	20.2	13.5	17.6	17.7	17.7	15.9	16.1	16.2	15.6	15.6	15.7	14.6	14.8	14.9	12.8	13	13.2	147
153	16.8	16.9	9.2	16.4	16.6	16.4	14.9	15	15.1	14.7	14.8	14.8	13.6	13.8	13.9	12	12.2	12.3	153
159				15.3	15.4	14	13.8	14	14	14	14	14.1	12.6	12.8	12.9	11.2	11.4	11.5	159
165				14.2	14.3		12.9	12.9	13	13.1	13.3	13.3	11.7	11.8	11.9	10.5	10.6	10.8	165
171							11.9	12	12	12.3	12.4	12.4	10.9	11.1	11.2	9.8	9.9	10	171
177							11	11	11	11.5	11.6	11.6	10.2	10.4	10.4	9.2	9.3	9.4	177
183							10.1	10.1	9.8	10.8	10.8	10.8	9.5	9.6	9.7	8.6	8.8	8.8	183
189										10	10.1	10	8.9	8.9	9	8.1	8.2	8.2	189
195										9.3	9.4	9.2	8.2	8.3	8.3	7.5	7.7	7.6	195
201										8.6	8.7	8.5	7.6	7.7	7.7	7	7.1	7.1	201
207													7	7	7	6.5	6.5	6.5	207
213													6.4	6.4	6.4	6	6	5.9	213
219													5.8			5.4	5.5	5.4	219
225																4.9	5	4.8	225
231																4.4	4.5		231

TAB 131430 / 131492 / 131489

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



ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	40 ft			40 ft			40 ft			40 ft			40 ft			40 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
11	40																		11
12	39.8																		12
13	39.4																		13
14	39.1																		14
15	38.8																		15
16	38.5																		16
17	38.2																		17
18	37.9	32.7																	18
20	37.3	32.6																	20
22	36.6	32																	22
24	36	31.2																	24
26	35.3	30.1																	26
28	34.7	29.2	22.8																28
30	33.9	28.3	22.8																30
32	32.6	27.5	22.8	40															32
34	31.2	26.8	22.6	40															34
36	29.9	26.1	22.2	40			34.9												36
38	28.6	25.5	21.8	39.7			34.9												38
40	27.4	24.9	21.5	39.5			34.9												40
45	24.5	23.5	20.8	38.9	32.3		34.9			29.1			23.3						45
50	22.1	22.5	20.2	38.3	31.4		34.6	30.6		29.1			23.3			19.6			50
55	20	21.3	19.8	37.6	30.3	22.8	34.2	30.1	22.6	29.1	27.9		23.3			19.6			55
60	18	19.8	19.6	36.8	29.2	22.7	33.8	29.2	22.5	28.9	27.8		23.3			19.6			60
65	16.3	17.8	18.9	36.2	28.2	22.3	33.5	28.3	22.2	28.7	27.4	21.6	23.3	23.3		19.6	19.6		65
70	14.9	16.1	17	35.5	27.5	21.9	32.9	27.5	21.8	28.5	26.7	21.4	23.3	23.3		19.6	19.6		70
75	13.7	14.5	16.1	34.8	26.8	21.6	32.4	26.8	21.5	28.2	26.1	21.1	23.2	23	20.2	19.6	19.6		75
80				33.9	26.1	21.3	31.7	26.1	21.2	27.9	25.5	20.8	22.9	22.5	20.2	19.6	19.6		80
85				32.6	25.4	21	30.6	25.5	20.9	26.9	24.9	20.6	22.2	22.1	20	19.3	19.4	19.2	85
90				31.1	24.8	20.8	29.2	24.9	20.7	25.8	24.4	20.3	21.6	21.5	19.8	18.7	18.9	19	90
95				29.7	24.2	20.5	27.8	24.4	20.5	24.6	23.9	20.2	21	20.8	19.6	18.2	18.3	18.6	95
100				28.3	23.6	20.3	26.5	23.9	20.2	23.6	23.4	20	20.4	20.2	19.4	17.7	17.8	18.1	100
105				27	23.2	20.1	25.2	23.4	20	22.5	22.9	19.8	19.8	19.6	19.3	17.1	17.3	17.7	105
110				25.8	22.8	19.9	24	22.9	19.9	21.6	22.1	19.7	19.2	18.9	18.9	16.6	16.9	17.2	110
115				24.6	22.3	19.8	22.9	22.5	19.7	20.6	21.3	19.6	18.6	18.3	18.4	16.1	16.4	16.7	115
120				23.4	22	19.6	21.8	21.9	19.6	19.7	20.3	19.4	17.9	17.8	17.8	15.7	16	16.2	120
125				22.4	21.6	19.5	20.7	21.2	19.4	18.8	19.4	19.2	17.2	17.2	17.3	15.2	15.5	15.7	125
130				21.5	21.2	19.4	19.5	20.1	19.2	17.9	18.5	18.9	16.5	16.7	16.7	14.5	14.9	15.2	130
135				20.6	20.5	19.3	18.4	19.1	19.1	17.1	17.6	18.1	15.8	16.1	16.2	13.9	14.4	14.7	135
140				19.7	19.6	19.1	17.4	18.1	18.6	16.3	16.8	17.3	15.1	15.6	15.7	13.3	13.8	14.2	140
145				18.8	18.8	18.9	16.6	17.1	17.7	15.5	15.9	16.5	14.4	15	15.2	12.7	13.2	13.7	145
150				18	18.1	18.2	15.9	16.1	16.8	14.7	15.1	15.7	13.8	14.3	14.8	12.1	12.6	13.1	150
155				17.2	17.3	17.5	15.4	15.4	15.9	13.9	14.4	14.9	13.2	13.7	14.2	11.5	12	12.5	155
160				16.5	16.6	16.8	14.8	14.7	15	13.3	13.6	14.1	12.6	13.1	13.5	11	11.4	11.9	160
165				15.9	15.9	16.2	14.2	14.1	14.3	12.8	13	13.4	12	12.5	12.8	10.4	10.9	11.4	165
170				15.3	15.3	15.5	13.7	13.5	13.7	12.3	12.5	12.7	11.5	11.9	12.2	9.9	10.3	10.8	170
175				14.8	14.8	14.9	13.2	12.9	13.1	11.9	12	12.1	10.9	11.3	11.6	9.4	9.8	10.2	175
180				14.2	14.3	14.3	12.7	12.4	12.6	11.4	11.5	11.6	10.3	10.7	11	8.9	9.4	9.7	180
185				13.7	13.8		12.2	11.9	12.1	11	11.1	11.1	9.7	10.1	10.4	8.5	8.9	9.2	185
190				13.2	13.3		11.7	11.5	11.5	10.5	10.7	10.7	9.2	9.6	9.9	8.1	8.5	8.8	190
195				9.7			11.2	11	11.1	10.1	10.3	10.3	8.6	9.1	9.3	7.7	8	8.3	195
200							10.8	10.6		9.7	9.9	9.8	8.2	8.7	8.8	7.3	7.6	7.9	200
205							10.3	10.2		9.3	9.5	9.4	7.8	8.2	8.2	7	7.1	7.5	205
210										9	9.1	9	7.3	7.8	7.7	6.6	6.7	7.1	210
215										8.6	8.7	8.6	7	7.3	7.2	6.3	6.4	6.7	215
220										8.2	8.3				6.6	6.9	6.7	6.2	220
225															6.2	6.5	6.3	5.8	225
230															5.8	6.1		5.2	230
235															5.5	5.7		4.9	235
240															5.1	5.3		4.5	240
245																		4.1	245
250																		3.8	250
255																		3.4	255

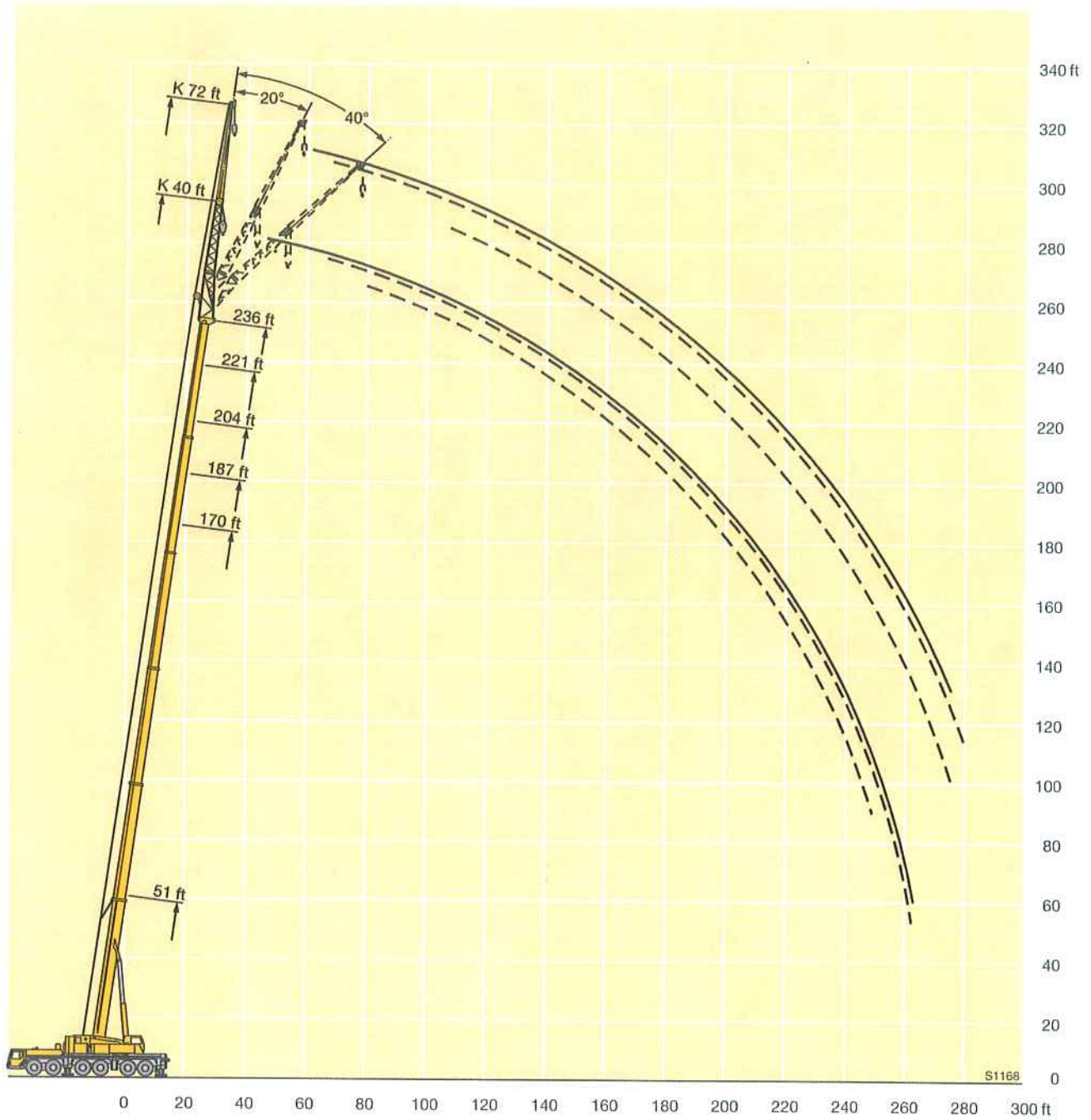
TAB 131246 / 131254 / 131262

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

ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
13 - 20	17																		13 - 20
22	17																		22
24	17																		24
26	16.9																		26
28	16.8																		28
30	16.6																		30
32	16.4																		32
34	16.2																		34
36	16	14.6		17															36
38	15.9	14.6		17			16												38
40	15.7	14.5		17			16												40
45	15.1	14		17			16		14.3										45
50	14.6	13.4		17			16		14.3				13.1						50
55	14	12.9	11.4	17			16		14.3				13.1			11.6			55
60	13.5	12.4	11.3	16.9			16		14.3				13.1			11.6			60
65	13	12	10.9	16.8	14.6		15.9		14.3				13			11.6			65
70	12.5	11.6	10.5	16.5	14.4		15.7	14	14.3				12.9			11.6			70
75	12.2	11.2	10.2	16.3	14.1		15.5	13.8	14.2	12.9			12.9			11.6			75
80	11.9	10.9	9.9	16	13.8		15.3	13.5	14.1	12.8			12.8			11.6			80
85	11.6	10.7	9.7	15.8	13.6	11.4	15.1	13.3	11.2	14	12.7		12.6	11.9		11.6			85
90	11.2	10.4	9.5	15.6	13.3	11.3	14.9	13	11.1	13.9	12.5	10.7	12.6	11.8		11.5	10.9		90
95	10.8	10.1	9.4	15.3	13	11.1	14.7	12.8	11	13.7	12.3	10.7	12.5	11.6	10.2	11.4	10.9		95
100	10.3	9.9	9.3	15	12.8	10.9	14.5	12.6	10.9	13.6	12.1	10.6	12.4	11.4	10.2	11.3	10.8	9.7	100
105	9.6	9.7		14.7	12.5	10.7	14.3	12.4	10.7	13.4	11.9	10.5	12.3	11.3	10.1	11.2	10.7	9.7	105
110	9	9.4		14.4	12.3	10.5	14.1	12.1	10.6	13.3	11.7	10.3	12.2	11.1	10	11.2	10.6	9.7	110
115				14.2	12.1	10.4	13.8	12	10.4	13.1	11.6	10.2	12.1	11	9.9	11.1	10.5	9.6	115
120				13.9	11.9	10.2	13.6	11.8	10.2	12.9	11.4	10.2	12	10.9	9.8	11.1	10.4	9.4	120
125				13.6	11.7	10	13.4	11.6	10.1	12.8	11.2	10	11.9	10.7	9.7	11	10.3	9.3	125
130				13.3	11.5	9.9	13.2	11.4	10	12.6	11.1	9.9	11.8	10.6	9.5	10.9	10.2	9.2	130
135				13.1	11.4	9.8	12.9	11.3	9.9	12.4	11	9.8	11.7	10.5	9.4	10.9	10.1	9.1	135
140				12.8	11.2	9.7	12.7	11.1	9.8	12.3	10.8	9.6	11.6	10.4	9.4	10.8	10	9	140
145				12.6	11.1	9.7	12.5	11	9.7	12.1	10.7	9.5	11.4	10.3	9.3	10.7	10	9	145
150				12.4	10.9	9.6	12.3	10.9	9.6	11.9	10.7	9.5	11.3	10.2	9.2	10.4	9.9	8.9	150
155				12.2	10.8	9.5	12.2	10.8	9.6	11.8	10.6	9.4	11.2	10.2	9.1	10	9.8	8.8	155
160				12.1	10.7	9.5	12	10.7	9.5	11.6	10.5	9.4	11	10.1	9	9.6	9.7	8.8	160
165				11.9	10.6	9.4	11.8	10.7	9.5	11.4	10.4	9.3	10.7	10	9	9.1	9.6	8.7	165
170				11.8	10.5	9.3	11.6	10.6	9.4	11.1	10.4	9.2	10.2	9.9	9	8.8	9.5	8.7	170
175				11.6	10.3	9.3	11.4	10.5	9.4	10.6	10.3	9.2	9.8	9.8	9	8.4	9.2	8.6	175
180				11.5	10.2	9.3	11	10.3	9.4	10.1	10.1	9.2	9.4	9.7	9	8	8.8	8.6	180
185				11.3	10.1	9.3	10.6	10.2	9.3	9.7	10	9.2	9	9.5	9	7.6	8.4	8.6	185
190				11.1	10	9.3	10.2	10	9.3	9.2	9.8	9.2	8.6	9.3	9	7.3	8	8.6	190
195				10.8	9.8	9.3	9.8	9.9	9.3	8.8	9.4	9.2	8.2	8.9	9	6.9	7.6	8.3	195
200				10.6	9.7	9.3	9.5	9.6	9.3	8.4	8.9	9	7.8	8.5	8.8	6.6	7.2	7.9	200
205				10.3	9.7	9.3	9.1	9.3	9.2	8.1	8.5	8.7	7.4	8.1	8.5	6.3	6.9	7.5	205
210				10	9.7	9.3	8.8	8.9	9.1	7.7	8.1	8.4	7	7.7	8.1	6	6.5	7.1	210
215				9.7	9.6	9.3	8.4	8.6	8.7	7.5	7.8	8.1	6.7	7.2	7.6	5.7	6.2	6.7	215
220				9.3	9.4		8.1	8.2	8.3	7.2	7.4	7.7	6.3	6.8	7.2	5.4	5.9	6.4	220
225							7.8	7.9	7.9	6.9	7.1	7.4	6	6.4	6.7	5.1	5.6	6	225
230							7.5	7.5		6.7	6.8	7	5.7	6.1	6.3	4.9	5.3	5.6	230
235							7.2	7.2		6.4	6.6	6.7	5.4	5.7	5.9	4.5	5	5.3	235
240							6.9			6.2	6.3	6.3	5.1	5.4	5.5	4.2	4.7	5	240
245							6			6	6.1		4.9	5.1	5.2	3.9	4.4	4.6	245
250										5.7	5.8		4.6	4.8	4.8	3.6	4.1	4.3	250
255										5.5	5.6		4.3	4.4	4.4	3.3	3.7	3.9	255
260													4	4.2	4.1	3	3.4	3.5	260
265													3.7	3.8		2.7	3	3.1	265
270													3.4	3.5		2.4	2.7	2.7	270
275													3.1	3.2		2.2	2.4	2.3	275

TAB 131246 / 131254 / 131262

# Lifting heights Hauteurs de levage



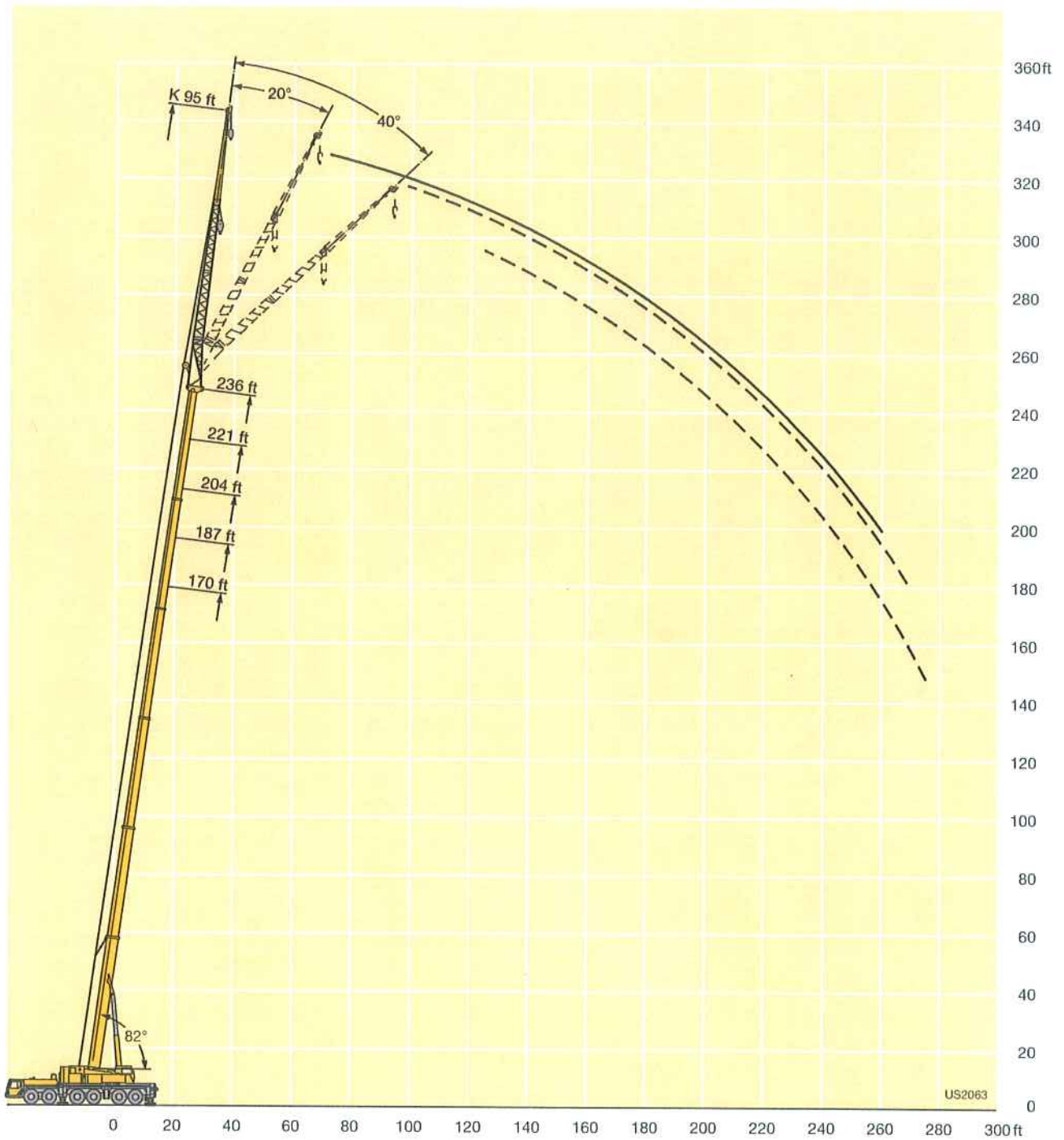
S1168

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

		51 - 236 ft			95 ft			187400 lbs			360°			85%						
ft	ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16 - 30	12.9																		16 - 30	
32	12.8																		32	
34	12.7																		34	
36	12.6																		36	
38	12.4				12.9														38	
40	12.1				12.9														40	
45	11.5				12.9			11.6											45	
50	11	9.9			12.9			11.6		10.2									50	
55	10.5	9.7			12.8			11.6		10.2			9						55	
60	10	9.2			12.8			11.6		10.2			9						60	
65	9.6	8.7			12.8			11.6		10.2			9						65	
70	9.2	8.3	7		12.7			11.6		10.2			9			7.8			70	
75	8.8	7.9	6.9		12.5	10		11.6		10.2			9			7.8			75	
80	8.5	7.6	6.7		12.2	9.9		11.6		10.2			9			7.8			80	
85	8.1	7.3	6.5		11.8	9.6		11.5	9.2	10.2	8.5		9			7.8			85	
90	7.8	7	6.2		11.5	9.3		11.2	9.1	10.2	8.5		9	7.8		7.8			90	
95	7.6	6.8	6		11.2	9.1	7	10.9	8.9	10.1	8.4		9	7.8		7.8	7		95	
100	7.3	6.6	5.9		10.9	8.8	7	10.6	8.7	6.8	9.9	8.2	9	7.7		7.8	7		100	
105	7	6.3	5.8		10.6	8.6	6.9	10.4	8.4	6.8	9.7	8.1		8.9	7.5		7.8	7	105	
110	6.8	6.1	5.7		10.4	8.4	6.8	10.2	8.3	6.7	9.5	7.9	6.3	8.7	7.4		7.8	7	110	
115	6.6	6	5.6		10.1	8.2	6.6	9.9	8.1	6.6	9.3	7.7	6.3	8.6	7.3	5.8	7.8	6.9	115	
120	6.4	5.8	5.6		9.9	8	6.5	9.7	7.9	6.5	9.1	7.5	6.3	8.4	7.1	5.8	7.7	6.8	5.6	120
125	6.2	5.7	5.5		9.6	7.8	6.4	9.4	7.7	6.4	8.9	7.4	6.3	8.2	7	5.8	7.7	6.6	5.6	125
130	6	5.7	5		9.4	7.6	6.3	9.2	7.5	6.3	8.8	7.3	6.2	8.1	6.9	5.8	7.6	6.5	5.6	130
135					9.2	7.5	6.2	9	7.4	6.2	8.6	7.1	6.1	7.9	6.8	5.8	7.4	6.4	5.6	135
140					9	7.3	6.1	8.8	7.2	6.1	8.4	7	6	7.8	6.7	5.8	7.3	6.3	5.6	140
145					8.8	7.1	6	8.6	7.1	6	8.2	6.8	6	7.7	6.5	5.8	7.2	6.3	5.6	145
150					8.6	7	5.9	8.5	6.9	6	8.1	6.7	5.9	7.5	6.4	5.8	7.1	6.2	5.6	150
155					8.4	6.9	5.9	8.3	6.8	5.9	7.9	6.6	5.9	7.4	6.3	5.7	7	6.1	5.6	155
160					8.2	6.8	5.8	8.1	6.7	5.8	7.7	6.6	5.8	7.3	6.3	5.7	6.9	6	5.5	160
165					8	6.7	5.8	7.9	6.6	5.7	7.6	6.5	5.7	7.2	6.2	5.6	6.8	6	5.5	165
170					7.9	6.6	5.7	7.8	6.6	5.7	7.4	6.4	5.7	7.1	6.1	5.6	6.7	5.9	5.4	170
175					7.7	6.5	5.7	7.6	6.5	5.6	7.3	6.4	5.6	7	6.1	5.5	6.6	5.8	5.4	175
180					7.6	6.4	5.6	7.5	6.4	5.6	7.2	6.3	5.6	6.9	6	5.5	6.5	5.8	5.4	180
185					7.4	6.2	5.6	7.3	6.3	5.5	7.1	6.2	5.5	6.8	6	5.4	6.4	5.8	5.4	185
190					7.3	6.1	5.6	7.2	6.3	5.5	7	6.1	5.5	6.7	6	5.4	6.3	5.7	5.3	190
195					7.1	6.1	5.6	7.1	6.2	5.4	6.9	6.1	5.4	6.6	5.9	5.4	6.1	5.7	5.3	195
200					7	6	5.6	7	6.1	5.4	6.8	6.1	5.4	6.6	5.9	5.4	5.8	5.6	5.3	200
205					6.8	5.9	5.6	6.9	6.1	5.4	6.8	6	5.4	6.5	5.9	5.4	5.5	5.6	5.3	205
210					6.7	5.8	5.6	6.8	6	5.4	6.7	6	5.4	6.4	5.8	5.4	5.3	5.5	5.3	210
215					6.6	5.8	5.6	6.7	5.9	5.4	6.5	5.9	5.4	6.1	5.8	5.4	5	5.5	5.3	215
220					6.5	5.8	5.6	6.6	5.9	5.4	6.3	5.9	5.4	5.8	5.8	5.4	4.7	5.4	5.3	220
225					6.4	5.7	5.6	6.5	5.8	5.4	6.1	5.8	5.4	5.6	5.8	5.4	4.4	5.3	5.3	225
230					6.3	5.7	5.6	6.4	5.8	5.4	5.9	5.8	5.4	5.3	5.7	5.4	4.2	5	5.3	230
235					6.2	5.7	5.6	6.2	5.7	5.4	5.7	5.7	5.4	5	5.6	5.4	3.9	4.7	5.1	235
240					6.1	5.7		6	5.6	5.4	5.5	5.4	5.4	4.7	5.3	5.4	3.6	4.4	4.9	240
245					6			5.8	5.6	5.4	5.3	5.3	5.4	4.4	5	5.3	3.4	4.1	4.7	245
250								5.6	5.5		5.1	5.1	5.4	4.1	4.7	5	3.1	3.8	4.3	250
255								5.4	5.4		4.9	4.9	5.1	3.7	4.4	4.6	2.9	3.5	4	255
260								5.2	5.3		4.7	4.8	4.8	3.5	4.1	4.3	2.6	3.2	3.6	260
265											4.5	4.6	4.4	3.2	3.7	3.9		2.9	3.2	265
270											4.3	4.4		2.9	3.4	3.5		2.6	2.8	270
275											4.2	4.2		2.7	3.1	3.1		2.3	2.5	275
280											4			2.4	2.8	2.7				280
285														2.4						285

TAB 131246 / 131254 / 131262

# Lifting heights Hauteurs de levage



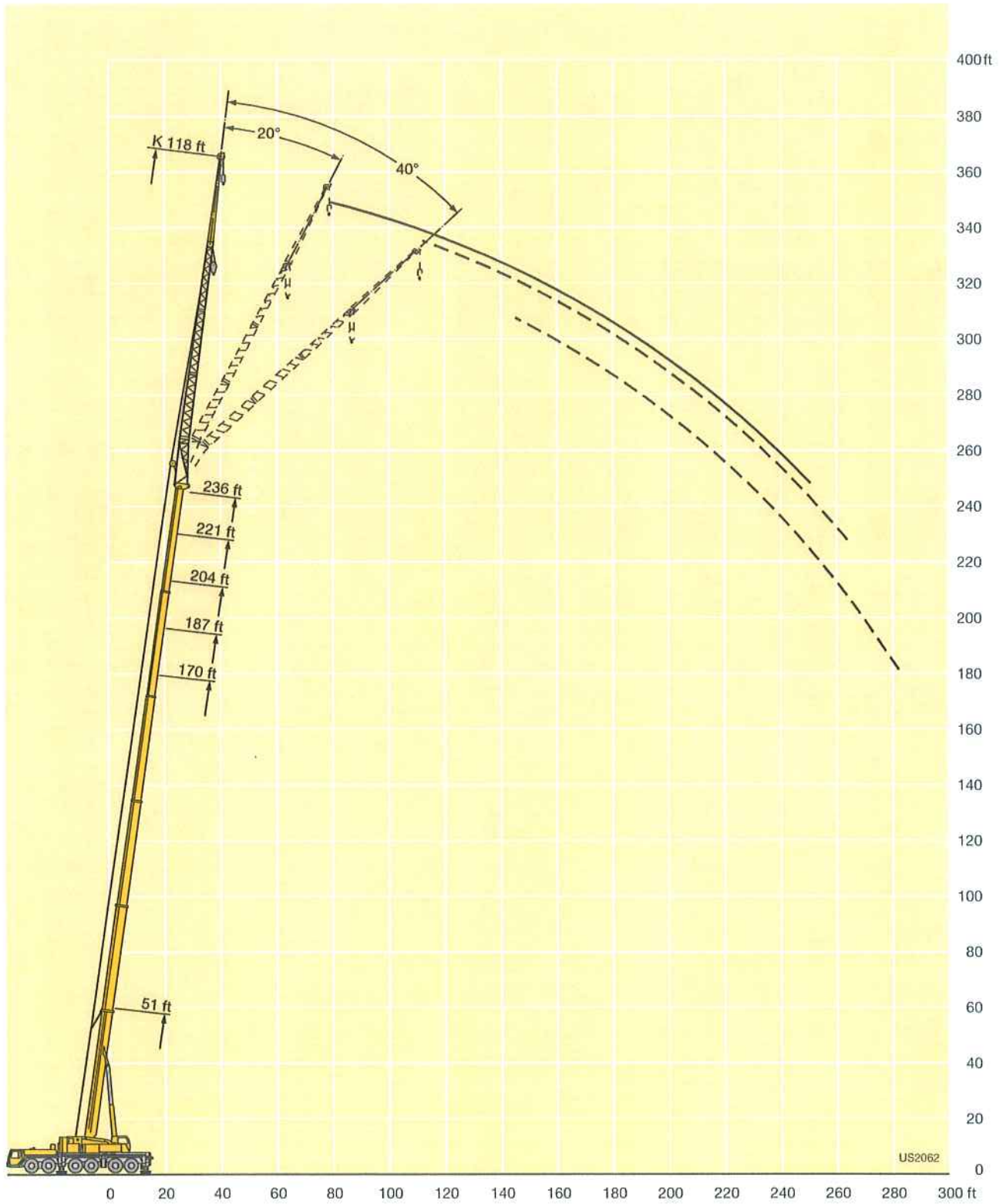


# Lifting capacities on the folding jib Forces de levage à la flèche pliante

		51 - 236 ft			118 ft			360°			187400 lbs			85%						
		51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			
		118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
18 - 38	8.7																		18 - 38	
40	8.7																		40	
45	8.4																		45	
50	8				8.5														50	
55	7.6	6.1			8.5			7.8											55	
60	7.2	6.1			8.5			7.8											60	
65	6.9	6.1			8.5			7.8			6.8								65	
70	6.5	5.9			8.5			7.8			6.8			5.8					70	
75	6.2	5.7			8.5			7.8			6.8			5.8			4.9		75	
80	6	5.4			8.5			7.8			6.8			5.8			4.9		80	
85	5.7	5.2			8.3			7.8			6.8			5.8			4.9		85	
90	5.4	5	4.4		8.1	6.1		7.7	5.8		6.8			5.8			4.9		90	
95	5.2	4.7	4.3		7.8	6		7.6	5.8		6.8			5.8			4.9		95	
100	5	4.6	4.2		7.6	6		7.3	5.7		6.8	5.1		5.8	4.6		4.9		100	
105	4.9	4.4	4		7.4	5.8		7.1	5.6		6.6	5.1		5.8	4.6		4.9		105	
110	4.7	4.3	3.9		7.2	5.7		6.9	5.5		6.5	5.1		5.8	4.6		4.9	4.1	110	
115	4.6	4.2	3.8		7	5.5	4.1	6.7	5.4		6.3	5.1		5.7	4.6		4.9	4.1	115	
120	4.5	4.1	3.7		6.8	5.3	4.1	6.5	5.3	3.9	6.2	5.1		5.6	4.6		4.9	4.1	120	
125	4.3	3.9	3.6		6.6	5.2	4.1	6.4	5.1	3.9	6	4.9		5.6	4.6		4.9	4.1	125	
130	4.2	3.9	3.5		6.4	5.1	4.1	6.2	5	3.9	5.9	4.8	3.6	5.4	4.6		4.9	4.1	130	
135	4.1	3.8	3.4		6.2	5	4	6.1	4.9	3.9	5.7	4.7	3.6	5.3	4.5	3.5	4.9	4.1	135	
140	4	3.7	3.4		6.1	4.8	3.9	5.9	4.8	3.9	5.6	4.6	3.6	5.2	4.4	3.5	4.8	4.1	3.2	140
145	3.9	3.6	3.4		5.9	4.7	3.9	5.8	4.7	3.9	5.5	4.6	3.6	5.1	4.3	3.5	4.8	4.1	3.2	145
150	3.8	3.5	3.4		5.8	4.6	3.9	5.7	4.6	3.7	5.4	4.5	3.6	5	4.2	3.5	4.7	4	3.2	150
155	3.7	3.4			5.6	4.5	3.8	5.6	4.5	3.6	5.3	4.4	3.6	4.9	4.2	3.5	4.6	4	3.2	155
160					5.5	4.4	3.7	5.4	4.4	3.6	5.2	4.3	3.6	4.9	4.1	3.5	4.6	3.9	3.2	160
165					5.3	4.4	3.7	5.3	4.3	3.6	5.1	4.2	3.6	4.8	4	3.5	4.5	3.9	3.2	165
170					5.2	4.4	3.7	5.2	4.3	3.6	5	4.1	3.5	4.7	4	3.5	4.4	3.8	3.2	170
175					5.1	4.3	3.6	5.1	4.2	3.6	4.9	4.1	3.5	4.6	3.9	3.5	4.4	3.8	3.2	175
180					5	4.2	3.6	5	4.2	3.6	4.8	4	3.5	4.6	3.9	3.4	4.3	3.7	3.2	180
185					4.9	4.2	3.6	4.9	4.1	3.6	4.7	4	3.5	4.5	3.8	3.4	4.3	3.7	3.2	185
190					4.8	4.1	3.5	4.8	4.1	3.5	4.6	4	3.5	4.4	3.8	3.4	4.2	3.6	3.2	190
195					4.7	4	3.5	4.7	4	3.5	4.6	3.9	3.5	4.4	3.7	3.4	4.1	3.6	3.2	195
200					4.6	4	3.5	4.6	4	3.5	4.5	3.9	3.5	4.3	3.7	3.4	4.1	3.6	3.2	200
205					4.6	3.9	3.4	4.6	3.9	3.4	4.4	3.9	3.4	4.2	3.7	3.4	4.1	3.5	3.2	205
210					4.5	3.9	3.4	4.5	3.9	3.4	4.4	3.8	3.4	4.2	3.7	3.4	4	3.5	3.2	210
215					4.4	3.8	3.4	4.4	3.8	3.4	4.3	3.8	3.4	4.1	3.7	3.4	3.9	3.5	3.2	215
220					4.3	3.8	3.4	4.4	3.8	3.4	4.3	3.7	3.4	4.1	3.6	3.4	3.8	3.4	3.2	220
225					4.2	3.7	3.4	4.3	3.8	3.4	4.2	3.7	3.4	4.1	3.6	3.4	3.7	3.4	3.2	225
230					4.2	3.7	3.4	4.3	3.7	3.4	4.1	3.7	3.4	4	3.6	3.4	3.4	3.4	3.2	230
235					4.1	3.6	3.4	4.2	3.7	3.4	4.1	3.6	3.4	4	3.6	3.4	3.2	3.3	3.2	235
240					4.1	3.6	3.4	4.1	3.6	3.4	4	3.6	3.4	3.9	3.5	3.4	2.9	3.3	3.2	240
245					4	3.5	3.4	4.1	3.6	3.4	4	3.5	3.4	3.8	3.5	3.3	2.7	3.2	3.2	245
250					3.9	3.5	3.4	4	3.6	3.4	3.9	3.5	3.4	3.6	3.4	3.3		3.1	3.2	250
255					3.9	3.5	3.4	4	3.5	3.4	3.9	3.5	3.4	3.3	3.4	3.3		3	3.2	255
260					3.8	3.4		3.9	3.5	3.4	3.8	3.4	3.4	3	3.4	3.3		2.8	3.2	260
265					3.7	3.4		3.8	3.4	3.4	3.8	3.4	3.4	2.7	3.3	3.3		2.6	3.1	265
270								3.7	3.4		3.6	3.3	3.3	2.5	3.2	3.2			2.9	270
275								3.7	3.4		3.4	3.3	3.2	2.2	2.9	3.2			2.6	275
280								3.7	3.4		3.3	3.3	3.2		2.6	2.9			2.3	280
285								3.6			3.1	3.2			2.5					285
290											2.9	3.1								290
295											2.7	2.9								295
300											2.6	2.7								300

TAB 131246 / 131254 / 131262

# Lifting heights Hauteurs de levage



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

		51 ft			68 ft			85 ft			102 ft			119 ft			136 ft						
		18 ft			18 ft			18 ft			18 ft			18 ft			18 ft						
ft		0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	ft			
10	135	108			135	105															10		
12	135	107																			12		
14	132	102	82.5		135	104															14		
16	125	98.5	81		131	101	81		129	101											16		
18	120	95	79		126	98	80		126	98.5	79			96							18		
21	112	90	76.5		119	94	78		120	95	78	113		95	76.5				91		21		
24	105	86	74		112	90	75.5		114	91.5	76.5	112		92	76	108		90.5	75		24		
27	98.5	82	72		106	86.5	73.5		110	88.5	74.5	109		89	75.5	105		88	75	91	80	27	
30	93	78.5	70		101	83	72		105	85.5	73	105		86.5	74	102		86	74	90	80	30	
33	88	75.5	67.5		96.5	80	70.5		100	82.5	71.5	102		84	72.5	99.5		84	72.5	88	78.5	70	33
36	84	73	65.5		92	77.5	69		96.5	80	70	98		81.5	71	97		82	71.5	86.5	77	69	36
39	80	70	63.5		88.5	75.5	67.5		93	78	69	95		79.5	70	94.5		80	70.5	85	75.5	68.5	39
45	71.5	63	29		82	71	64		87	74	66.5	89		76	67.5	90		77	68.5	82.5	73	66.5	45
51	63	58.6	16.4		76	66	61		81.5	71	64	84		72.5	66	85.5		74	67	79.5	71	65.5	51
57	55.7	22.7			70	62	35		77	67.5	61.5	79.5		69.5	64.5	82		71.5	65.5	75.5	68.5	64	57
63					64	58.3	19.8		72.5	63.5	59.5	76		67	62.5	79		69.5	64	71.5	65	61.5	63
69					58	39.6	12.2		68	60.5	40.4	72.5		64.5	60.5	76		67.5	62.5	67.5	62	59	69
75									63.5	58.1	21.7	68.5		62	59.1	71.5		65.5	61	64.5	59.5	56.8	75
81									59.1	56	16.1	63.5		59.5	46.1	65		63	59.8	61.5	57.1	55	81
87									54.1	46.5		57.4		56.6	22.8	58.6		59.2	57.9	58.3	54.9	53.3	87
93												51.8		52.3	19.5	53		53.6	53.9	54.7	52.8	51.7	93
99												46.8		45.4	11.1	48		48.5	46.8	49.7	50.3	50	99
105																43.6		44	22.5	45.3	45.8	46	105
111																39.8		40.1	13.8	41.4	41.9	42	111
117																36.4		36.6	9.2	38	38.3	26.5	117
123																31.6		26.6		34.9	35.2	16.6	123
129																				32.1	32.3	11.3	129
135																				29.7	26.8	8	135
141																				22.4			141

TAB 131430 / 131492 / 131540

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



ft	153 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	18 ft			18 ft			18 ft			18 ft			18 ft			18 ft			
	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	
30	77.5	72.5																	30
33	77.5	72		62															33
36	77	71.5	66	62	62		46.3												36
39	76	70.5	65.5	62	62	60.5	46.3	46.3											39
45	71.5	68.5	64	59.9	60	60	46.3	46.3	46.3	38.8	38.8								45
51	66	65.5	63	56.9	57.2	57	46.3	46.3	46.3	38.8	38.8	38.8	31.5	31.5		23.4	23.4		51
57	61	61	60.5	53.1	53.3	53.6	45.2	45.6	45.8	38.4	38.4	38.4	31.5	31.5	31.5	23.4	23.4	23.4	57
63	55.9	55.8	56.2	49.4	49.5	50	42.8	43.3	43.7	37	37	37.3	31.2	31.1	31.2	23.4	23.4	23.4	63
69	51.2	51.2	51.6	45.9	46	46.4	40.1	40.4	40.9	35.1	35.3	35.5	30.3	30.2	30.4	23.4	23.4	23.4	69
75	47.1	47.1	47.4	42.5	42.7	43	37.6	37.8	38.3	33	33.5	33.6	29	29	29.2	23.3	23.3	23.3	75
81	43.6	43.7	43.7	39.2	39.5	39.8	35.2	35.4	35.8	31.1	31.6	31.8	27.6	27.6	27.8	22.8	22.8	23	81
87	40.5	40.6	40.6	36.2	36.4	36.8	32.9	33.1	33.5	29.3	29.7	30	26.2	26.3	26.5	21.8	21.8	22.1	87
93	37.5	37.6	37.7	33.7	33.9	34.2	30.7	30.9	31.2	27.7	27.9	28.2	24.9	25	25.3	20.9	20.9	21.2	93
99	34.8	34.9	35	31.2	31.5	31.8	28.7	28.9	29.1	26.1	26.2	26.6	23.6	23.8	24.1	20	20.1	20.3	99
105	32.2	32.3	32.4	29	29.2	29.5	26.7	26.9	27.2	24.5	24.7	25	22.3	22.6	23	19.1	19.2	19.5	105
111	29.7	29.8	30	26.9	27.1	27.3	24.9	25.1	25.4	23	23.2	23.4	21.2	21.4	21.7	18.3	18.5	18.7	111
117	27.8	28	28.1	24.9	25.1	25.3	23.1	23.3	23.6	21.6	21.7	21.9	19.9	20.2	20.5	17.4	17.6	17.9	117
123	26.1	26.2	26.4	23	23.2	23.4	21.5	21.7	21.9	20.2	20.3	20.5	18.8	19	19.3	16.4	16.6	16.9	123
129	24.5	24.6	24.3	21.5	21.6	21.8	19.9	20.1	20.3	18.8	19	19.2	17.7	17.9	18.2	15.5	15.7	15.9	129
135	23	23.1	18.8	20.1	20.3	20.3	18.4	18.6	18.7	17.6	17.7	17.9	16.7	16.8	17.1	14.5	14.7	15	135
141	21.5	21.6	13.2	18.8	19	19	17	17.2	17.4	16.5	16.6	16.7	15.6	15.8	16	13.7	13.8	14.1	141
147	20.1	20.2	9.6	17.6	17.7	17.5	15.9	16.1	16.2	15.6	15.6	15.8	14.6	14.8	15	12.8	13	13.2	147
153	16.8	16.9	7.1	16.4	16.6	14.9	14.9	15	15.1	14.7	14.8	14.9	13.6	13.8	13.9	12	12.2	12.4	153
159				15.3	15.4	11	13.8	14	14	14	14	14.1	12.6	12.8	12.9	11.2	11.4	11.6	159
165				14.2	14.3		12.9	12.9	13	13.1	13.3	13.3	11.7	11.8	12	10.5	10.6	10.8	165
171							11.9	12	11.9	12.3	12.4	12.4	10.9	11.1	11.2	9.8	9.9	10	171
177							11	11	9.8	11.5	11.6	11.6	10.2	10.4	10.4	9.2	9.3	9.4	177
183							10.1	10.1	7.7	10.8	10.8	10.8	9.5	9.6	9.7	8.6	8.8	8.8	183
189										10	10.1	10	8.9	8.9	9	8.1	8.2	8.2	189
195										9.3	9.4	8.8	8.2	8.3	8.3	7.5	7.7	7.6	195
201										8.6	8.7	7.3	7.6	7.7	7.7	7	7.1	7.1	201
207													7	7	7	6.5	6.5	6.5	207
213													6.4	6.4	6.4	6	6	5.9	213
219													5.8			5.4	5.5	5.4	219
225																4.9	5	4.8	225
231																4.4	4.5		231

TAB 131430 / 131492 / 131540



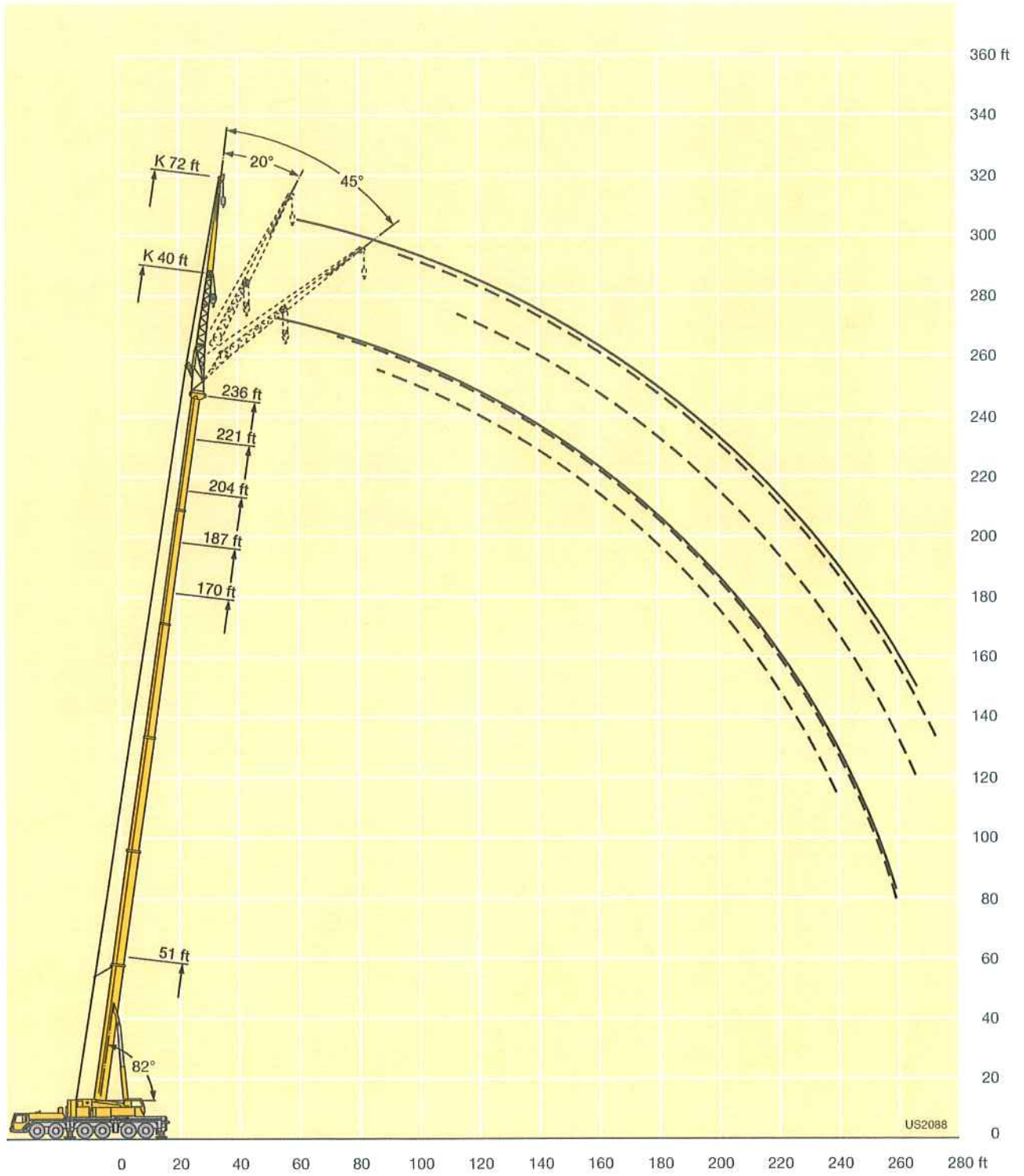
# Lifting capacities on the hydraulically variable folding jib Forces de levage à la flèche pliante à variation hydraulique



ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	72 ft			72 ft			72 ft			72 ft			72 ft			72 ft			
	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	
13	17																		13
14	17																		14
15	17																		15
16	17																		16
17	17																		17
18	17																		18
20	17																		20
22	17																		22
24	17																		24
26	16.9																		26
28	16.8																		28
30	16.6																		30
32	16.4																		32
34	16.2																		34
36	16	14.6		17															36
38	15.9	14.6		17			16												38
40	15.7	14.5		17			16												40
45	15.1	14		17			16		14.1										45
50	14.6	13.4		17			16		14.1				12.9						50
55	14	12.9	10.7	16.9			16		14.1				12.9			11.4			55
60	13.5	12.4	10.6	16.9			16		14.1				12.9			11.4			60
65	13	12	10.4	16.7	14.3		15.8		14.1				12.9			11.4			65
70	12.5	11.6	10	16.4	14.2		15.6	13.8	14.1				12.8			11.4			70
75	12.2	11.2	9.7	16.2	14		15.4	13.7	14.1	12.6			12.7			11.4			75
80	11.9	10.9	9.5	16	13.7		15.2	13.4	14	12.6			12.6			11.4			80
85	11.6	10.7	9.3	15.7	13.4	10.7	15	13.1	13.9	12.6			12.5	11.6		11.4			85
90	11.2	10.4	9.2	15.4	13.2	10.5	14.8	12.9	13.7	12.4			12.4	11.6		11.4	10.7		90
95	10.8	10.1	9.2	15.1	12.9	10.3	14.6	12.7	13.6	12.2	10.1	12.3	11.5			11.3	10.7		95
100	10.3	9.9	9.2	14.9	12.6	10.2	14.4	12.5	13.4	12	10.1	12.3	11.3	9.8		11.2	10.7		100
105	9.6	9.7		14.6	12.4	10	14.2	12.3	13.3	11.8	10	12.2	11.2	9.8		11.1	10.6		105
110	9	9.4		14.3	12.2	9.9	13.9	12	13.2	11.6	9.9	12.1	11	9.7		11.1	10.5	9.4	110
115				14.1	12	9.8	13.7	11.8	13	11.5	9.8	12	10.9	9.6		11	10.4	9.3	115
120				13.8	11.8	9.7	13.5	11.7	12.8	11.3	9.7	11.9	10.8	9.5		10.9	10.3	9.2	120
125				13.5	11.6	9.6	13.3	11.5	12.6	11.2	9.6	11.8	10.6	9.4		10.9	10.2	9.1	125
130				13.2	11.4	9.5	13.1	11.3	12.5	11	9.5	11.7	10.5	9.3		10.8	10.1	9.1	130
135				13	11.3	9.4	12.8	11.2	12.3	10.8	9.4	11.6	10.4	9.3		10.7	10	9	135
140				12.7	11.1	9.4	12.6	11	12.2	10.7	9.3	11.4	10.3	9.2		10.6	9.9	8.9	140
145				12.5	11	9.3	12.4	10.9	12	10.7	9.3	11.3	10.2	9.1		10.4	9.9	8.9	145
150				12.3	10.9	9.3	12.2	10.8	11.8	10.6	9.2	11.2	10.2	9.1		10.1	9.7	8.8	150
155				12.1	10.8	9.2	12.1	10.7	11.7	10.5	9.2	11	10.1	9		9.7	9.6	8.8	155
160				12	10.6	9.2	11.9	10.7	11.5	10.4	9.1	10.8	10	9		9.3	9.5	8.7	160
165				11.8	10.4	9.2	11.7	10.6	11.3	10.4	9.1	10.4	9.9	8.9		8.9	9.4	8.7	165
170				11.7	10.3	9.2	11.5	10.5	10.8	10.2	9.1	10	9.8	8.9		8.5	9.3	8.6	170
175				11.5	10.2	9.2	11.2	10.4	10.1	10.1	9.1	9.6	9.7	8.9		8.1	9	8.6	175
180				11.3	10.1	9.2	10.8	10.2	9.1	9.9	9.1	9.1	9.6	8.9		7.7	8.6	8.6	180
185				11.1	10	9.2	10.3	10	9.1	9.4	9.7	9.1	8.7	8.9		7.3	8.2	8.6	185
190				10.9	9.8	9.2	9.9	9.8	9.1	8.9	9.6	9.1	8.3	9.1		7	7.8	8.6	190
195				10.6	9.7	9.2	9.6	9.6	9.1	8.5	9.1	7.9	8.7	8.9		6.7	7.4	8.2	195
200				10.4	9.6	9.2	9.2	9.3	9.1	8.1	8.6	9	7.5	8.2		6.3	7	7.8	200
205				10.1	9.5	9.2	8.9	9	9.1	7.8	8.2	8.7	7.1	7.8		6	6.6	7.3	205
210				9.7	9.5		8.5	8.6	8.9	7.4	7.8	8.2	6.7	7.4		5.8	6.3	6.9	210
215				9.4	9.3		8.2	8.3	8.4	7.2	7.5	7.8	6.4	7		5.4	6	6.5	215
220				9	9.1		7.9	7.9	8	6.9	7.1	7.5	6	6.6		5.1	5.7	6.1	220
225							7.5	7.6		6.6	6.8	7.1	5.7	6.2		4.8	5.4	5.7	225
230							7.2	7.3		6.4	6.5	6.7	5.5	5.8		4.5	5.1	5.4	230
235							6.9	6.9		6.1	6.3	6.4	5.1	5.5		4.2	4.8	5	235
240							6.6			5.9	6		4.8	5.1		3.9	4.4	4.6	240
245										5.7	5.8		4.6	4.8		3.5	4	4.2	245
250										5.5	5.6		4.3	4.5		3.2	3.7	3.8	250
255										5.2	5.3		3.9	4.2		2.9	3.4	3.3	255
260													3.6	3.8		2.6	3	2.9	260
265													3.3	3.5		2.4	2.7		265
270													3	3.1					270
275													2.7	2.8					275

TAB 131366 / 131407 / 131418

# Lifting heights Hauteurs de levage



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

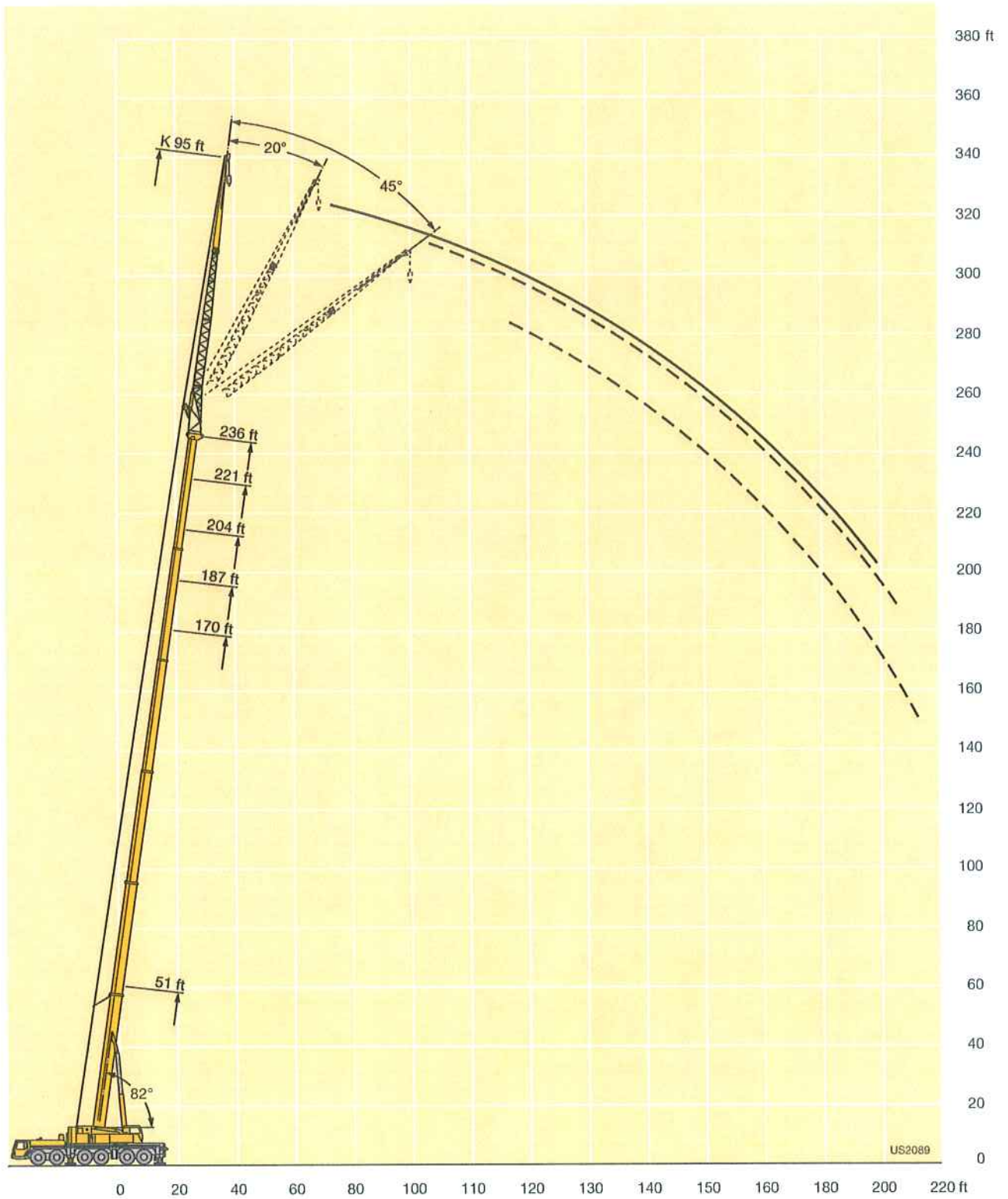


ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	95 ft			95 ft			95 ft			95 ft			95 ft			95 ft			
	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	
16	12.9																		16
17	12.9																		17
18	12.9																		18
20	12.9																		20
22	12.9																		22
24	12.9																		24
26	12.9																		26
28	12.8																		28
30	12.8																		30
32	12.8																		32
34	12.7																		34
36	12.6																		36
38	12.4																		38
40	12.1																		40
45	11.5			12.9			11.4												45
50	11	9.9		12.9			11.4			9.9									50
55	10.5	9.7		12.8			11.4			9.9			8.7						55
60	10	9.2		12.8			11.4			9.9			8.7						60
65	9.6	8.7		12.7			11.4			9.9			8.7						65
70	9.2	8.3		12.7			11.4			9.9			8.7			7.5			70
75	8.8	7.9	6.3	12.4	9.7		11.4			9.9			8.7			7.5			75
80	8.5	7.6	6.3	12.1	9.7		11.4			9.9			8.7			7.5			80
85	8.1	7.3	6.1	11.7	9.5		11.3	9		9.9			8.7			7.5			85
90	7.8	7	6	11.4	9.2		11.1	8.9		9.9	8.3		8.7			7.5			90
95	7.6	6.8	5.8	11.1	9		10.8	8.7		9.9	8.2		8.7	7.5		7.5			95
100	7.3	6.6	5.6	10.8	8.7	6.3	10.5	8.5		9.7	8.1		8.7	7.5		7.5	7		100
105	7	6.3	5.6	10.5	8.5	6.3	10.3	8.3		9.6	8		8.7	7.5		7.5	7		105
110	6.8	6.1	5.5	10.3	8.3	6.3	10	8.2	6.1	9.4	7.8		8.6	7.3		7.5	6.9		110
115	6.6	6	5.4	10	8.1	6.2	9.8	8	6.1	9.2	7.6	5.8	8.4	7.2		7.5	6.8		115
120	6.4	5.8	5.4	9.8	7.9	6.1	9.6	7.8	6	9	7.5	5.8	8.3	7	5.8	7.5	6.7		120
125	6.2	5.7		9.5	7.7	6	9.4	7.6	6	8.8	7.3	5.8	8.1	6.9	5.8	7.5	6.5		125
130	6	5.7		9.3	7.6	5.9	9.1	7.5	5.9	8.6	7.2	5.8	8	6.8	5.8	7.4	6.5	5.6	130
135				9.1	7.4	5.8	8.9	7.3	5.9	8.5	7.1	5.8	7.8	6.7	5.7	7.3	6.4	5.6	135
140				8.9	7.2	5.8	8.7	7.2	5.8	8.3	6.9	5.7	7.7	6.6	5.7	7.2	6.3	5.5	140
145				8.7	7.1	5.7	8.5	7	5.7	8.1	6.8	5.7	7.6	6.5	5.6	7.1	6.2	5.5	145
150				8.5	7	5.6	8.4	6.9	5.7	8	6.7	5.6	7.4	6.4	5.6	7	6.1	5.5	150
155				8.3	6.9	5.6	8.2	6.8	5.6	7.8	6.6	5.6	7.3	6.3	5.6	6.9	6	5.4	155
160				8.2	6.8	5.6	8	6.7	5.6	7.6	6.5	5.6	7.2	6.2	5.5	6.8	6	5.4	160
165				8	6.7	5.6	7.8	6.6	5.5	7.5	6.4	5.5	7.1	6.1	5.5	6.7	5.9	5.4	165
170				7.8	6.6	5.5	7.7	6.5	5.5	7.3	6.4	5.5	7	6.1	5.5	6.6	5.8	5.3	170
175				7.7	6.4	5.5	7.5	6.5	5.5	7.2	6.3	5.4	6.9	6	5.4	6.5	5.8	5.3	175
180				7.5	6.3	5.5	7.4	6.4	5.4	7.1	6.2	5.4	6.8	6	5.4	6.4	5.7	5.3	180
185				7.4	6.2	5.4	7.3	6.3	5.4	7	6.2	5.4	6.7	6	5.4	6.3	5.6	5.3	185
190				7.2	6.1	5.4	7.2	6.2	5.4	7	6.1	5.4	6.6	5.9	5.4	6.1	5.6	5.3	190
195				7.1	6	5.4	7.1	6.1	5.4	6.9	6.1	5.4	6.6	5.9	5.4	5.9	5.5	5.3	195
200				6.9	5.9	5.4	6.9	6	5.4	6.8	6	5.4	6.5	5.8	5.4	5.6	5.5	5.3	200
205				6.8	5.8	5.4	6.8	6	5.4	6.7	6	5.4	6.3	5.8	5.4	5.3	5.4	5.3	205
210				6.6	5.8	5.4	6.8	5.9	5.4	6.6	5.9	5.4	6.2	5.8	5.4	5	5.4	5.3	210
215				6.6	5.7	5.4	6.6	5.9	5.4	6.3	5.9	5.4	5.9	5.8	5.4	4.7	5.3	5.3	215
220				6.4	5.7	5.4	6.5	5.8	5.4	6	5.8	5.4	5.6	5.8	5.4	4.4	5.2	5.3	220
225				6.3	5.7	5.4	6.3	5.8	5.4	5.8	5.8	5.4	5.3	5.7	5.4	4.2	5.1	5.3	225
230				6.3	5.6		6.1	5.7	5.4	5.6	5.7	5.4	5.1	5.7	5.4	3.9	4.8	5.3	230
235				6.2	5.6		6	5.7	5.4	5.4	5.6	5.4	4.7	5.4	5.4	3.6	4.4	5.1	235
240				6.1	5.6		5.7	5.6	5.4	5.2	5.4	5.4	4.4	5.1	5.3	3.4	4.1	4.8	240
245				6			5.5	5.5		5	5.2	5.3	4.1	4.8	5.1	3.1	3.8	4.4	245
250							5.3	5.4		4.9	5	5.1	3.8	4.5	4.7	2.8	3.5	4.1	250
255							5.1	5.2		4.6	4.8	4.9	3.4	4.1	4.3	2.5	3.2	3.7	255
260							4.9	5		4.5	4.6		3.1	3.8	3.8		2.9	3.3	260
265										4.3	4.4		2.9	3.4	3.4		2.6	2.8	265
270										4.1	4.2		2.6	3.1	3				270
275										3.9	4		2.3	2.7	2.5				275
280										3.8				2.4					280

TAB 131366 / 131407 / 131418



# Lifting heights Hauteurs de levage



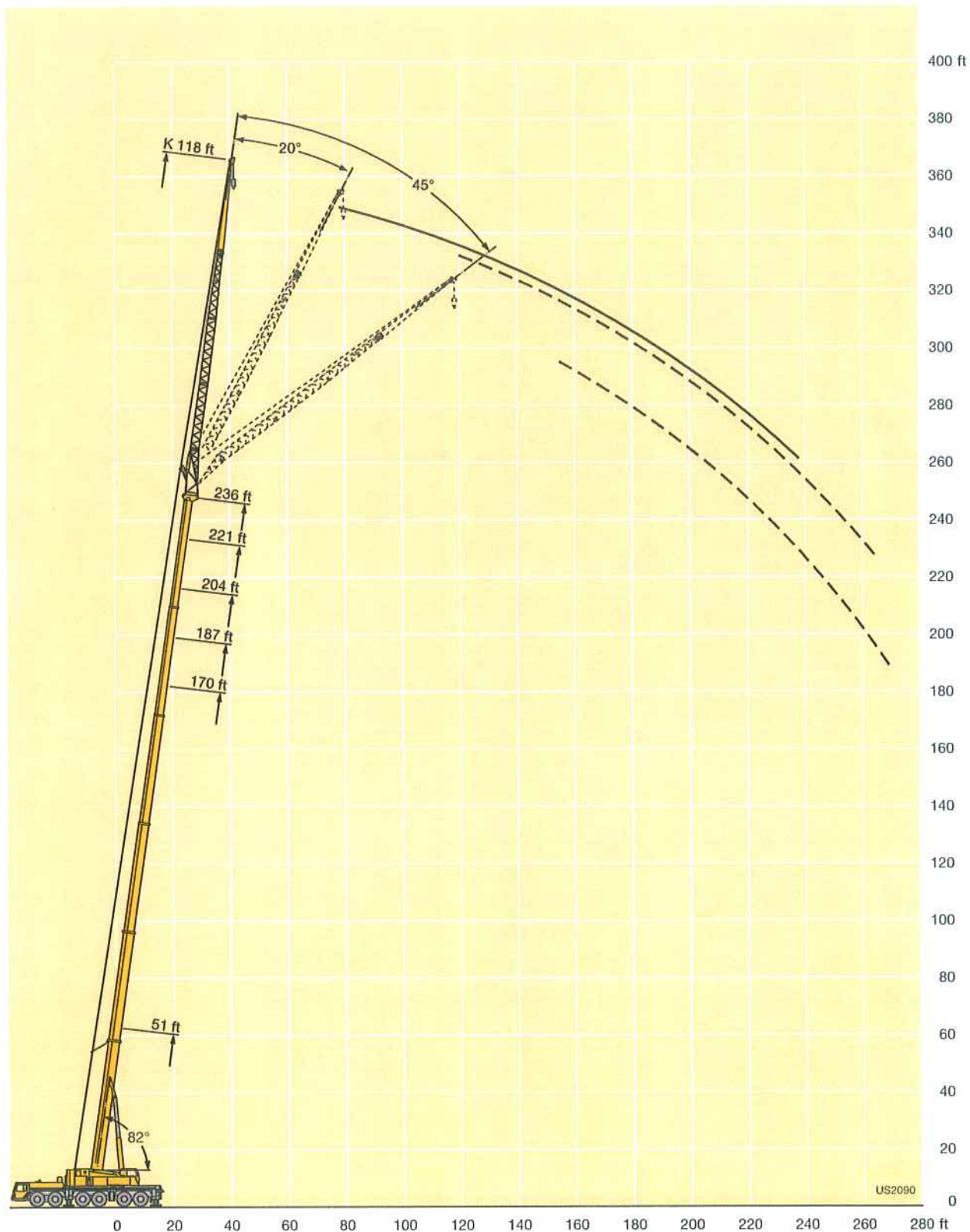
# Lifting capacities on the hydraulically variable folding jib Forces de levage à la fléchette pliante à variation hydraulique



ft	51 ft			170 ft			187 ft			204 ft			221 ft			236 ft			ft
	118 ft			118 ft			118 ft			118 ft			118 ft			118 ft			
	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	0°	20°	45°	
18	8.7																		18
20	8.7																		20
22	8.7																		22
24	8.7																		24
26	8.7																		26
28	8.7																		28
30	8.7																		30
32	8.7																		32
34	8.7																		34
36	8.7																		36
38	8.7																		38
40	8.7																		40
45	8.4																		45
50	8			8.5															50
55	7.6	6.1		8.5			7.8												55
60	7.2	6.1		8.5			7.8												60
65	6.9	6.1		8.5			7.8												65
70	6.5	5.9		8.5			7.8			6.8			5.8						70
75	6.2	5.7		8.4			7.8			6.8			5.8			4.9			75
80	6	5.4		8.3			7.8			6.8			5.8			4.9			80
85	5.7	5.2		8.1			7.8			6.8			5.8			4.9			85
90	5.4	5		7.9	5.8		7.6			6.8			5.8			4.9			90
95	5.2	4.7	3.9	7.7	5.8		7.5	5.3		6.8			5.8			4.9			95
100	5	4.6	3.9	7.5	5.8		7.2	5.3		6.7	4.9		5.8			4.9			100
105	4.9	4.4	3.9	7.3	5.7		7	5.3		6.6	4.9		5.8			4.9			105
110	4.7	4.3	3.7	7.1	5.6		6.9	5.3		6.4	4.9		5.7	4.6		4.9			110
115	4.6	4.2	3.6	6.9	5.4		6.7	5.3		6.2	4.9		5.6	4.6		4.9	4.1		115
120	4.5	4.1	3.5	6.7	5.3		6.5	5.2		6.1	4.9		5.5	4.6		4.9	4.1		120
125	4.3	3.9	3.4	6.5	5.2		6.3	5.1		5.9	4.9		5.4	4.6		4.9	4.1		125
130	4.2	3.9	3.4	6.4	5.1	3.9	6.1	5	3.9	5.8	4.8		5.3	4.5		4.9	4.1		130
135	4.1	3.8	3.4	6.2	4.9	3.9	6	4.9	3.9	5.7	4.7	3.6	5.2	4.4		4.9	4.1		135
140	4	3.7	3.4	6	4.8	3.8	5.9	4.8	3.8	5.5	4.6	3.6	5.1	4.3	3.4	4.8	4.1		140
145	3.9	3.6	3.4	5.8	4.7	3.8	5.7	4.6	3.7	5.4	4.5	3.6	5.1	4.3	3.4	4.7	4.1		145
150	3.8	3.5	3.4	5.7	4.6	3.7	5.6	4.6	3.7	5.3	4.4	3.6	5	4.2	3.4	4.6	4	3.2	150
155	3.7	3.4		5.6	4.5	3.6	5.5	4.5	3.6	5.2	4.3	3.6	4.9	4.1	3.4	4.5	3.9	3.2	155
160				5.4	4.4	3.6	5.4	4.4	3.6	5.1	4.3	3.6	4.8	4.1	3.4	4.4	3.9	3.2	160
165				5.3	4.4	3.5	5.3	4.3	3.6	5	4.2	3.5	4.7	4	3.4	4.4	3.8	3.2	165
170				5.1	4.3	3.5	5.1	4.2	3.5	4.9	4.1	3.5	4.6	3.9	3.4	4.4	3.7	3.2	170
175				5	4.2	3.5	5	4.2	3.5	4.8	4.1	3.5	4.6	3.9	3.4	4.3	3.7	3.2	175
180				5	4.2	3.4	4.9	4.1	3.4	4.8	4	3.4	4.5	3.8	3.4	4.2	3.7	3.2	180
185				4.9	4.1	3.4	4.8	4.1	3.4	4.7	4	3.4	4.4	3.8	3.4	4.2	3.6	3.2	185
190				4.8	4.1	3.4	4.7	4	3.4	4.6	3.9	3.4	4.4	3.7	3.4	4.1	3.6	3.2	190
195				4.7	4	3.4	4.7	4	3.4	4.5	3.9	3.3	4.3	3.7	3.3	4.1	3.5	3.2	195
200				4.6	3.9	3.4	4.6	3.9	3.4	4.5	3.9	3.3	4.2	3.7	3.3	4	3.5	3.2	200
205				4.5	3.9	3.4	4.5	3.9	3.4	4.4	3.8	3.3	4.2	3.6	3.3	4	3.5	3.2	205
210				4.4	3.8	3.4	4.4	3.8	3.4	4.3	3.8	3.3	4.1	3.6	3.3	3.9	3.4	3.2	210
215				4.4	3.8	3.4	4.4	3.8	3.3	4.3	3.7	3.3	4.1	3.6	3.3	3.8	3.4	3.2	215
220				4.3	3.7	3.4	4.3	3.8	3.3	4.2	3.7	3.3	4.1	3.5	3.3	3.6	3.4	3.2	220
225				4.2	3.7	3.4	4.3	3.7	3.3	4.2	3.7	3.3	4	3.5	3.3	3.4	3.3	3.2	225
230				4.1	3.6	3.4	4.2	3.7	3.3	4.1	3.6	3.3	3.9	3.4	3.3	3.2	3.3	3.2	230
235				4.1	3.6	3.4	4.1	3.6	3.3	4.1	3.6	3.3	3.9	3.4	3.3	2.9	3.2	3.2	235
240				4	3.5	3.4	4.1	3.6	3.3	4	3.5	3.3	3.8	3.4	3.3	2.7	3.2	3.2	240
245				3.9	3.5	3.4	4	3.6	3.3	3.9	3.5	3.3	3.6	3.4	3.3		3.2	3.2	245
250				3.9	3.4		4	3.5	3.3	3.9	3.4	3.3	3.3	3.4	3.3		3.1	3.2	250
255				3.8	3.4		3.9	3.5	3.3	3.8	3.4	3.3	3	3.3	3.3		2.9	3.2	255
260				3.8	3.4		3.9	3.5	3.3	3.7	3.3	3.3	2.7	3.3	3.3		2.6	3.2	260
265				3.7	3.4		3.8	3.4	3.3	3.5	3.3	3.3	2.5	3.1	3.2			3	265
270							3.7	3.4		3.4	3.2	3.3		2.9	3.2			2.7	270
275							3.6	3.4		3.2	3.2	3.3		2.6	2.9			2.3	275
280							3.6	3.4		3	3.2	3		2.3	2.5				280
285							3			2.8	3.1								285
290										2.6	2.9								290
295										2.5	2.6								295
300										2.3									300

TAB 131366 / 131407 / 131418

# Lifting heights Hauteurs de levage



# Lifting capacities on the lattice fly jib Forces de levage à la fléchette treillis fixe



ft	51 ft + 5 ft*					170 ft + 5 ft*					ft
	46 ft	69 ft	92 ft	115 ft	138 ft	46 ft	69 ft	92 ft	115 ft	138 ft	
9 - 12	43.3										9 - 12
13	43.3	33									13
14	43.3	32.9									14
15	43.3	32.9									15
16	43.1	32.7									16
17	42.8	32.5									17
18	42.5	32.3	24.4								18
20	41.9	31.8	24.3								20
22	41.1	31.2	23.8								22
24	40.1	30.6	23.3								24
26	39	29.9	22.8								26
28	37.8	29.2	22.2	16.7							28
30	36.6	28.6	21.7	16.6							30
32	35	27.9	21.1	16.2	12.3	43.3					32
34	33.6	27.4	20.6	15.9	12.2	43.3					34
36	32.1	26.8	20.1	15.5	11.9	43.3					36
38	30.8	26.2	19.7	15.2	11.6	43.3	32.4				38
40	29.4	25.7	19.2	14.9	11.4	43.3	32.3				40
45	26.3	24.3	18.2	14	10.8	42.6	31.8	23.5			45
50	23.3	22.9	17.2	13.3	10.2	41.9	31	23	16.8	12.6	50
55	20.6	21.4	16.3	12.5	9.7	41	30.2	22.3	16.6	12.4	55
60	18.2	19.8	15.4	11.8	9.1	39.9	29.3	21.5	16.1	12	60
65	16	18.1	14.7	11.2	8.6	38.6	28.4	20.8	15.5	11.6	65
70	14	16.3	14	10.6	8.1	37.2	27.7	20.1	15	11.2	70
75	12.3	14.6	13.4	10	7.7	35.6	27	19.5	14.6	10.9	75
80	10.8	13	12.8	9.5	7.2	33.9	26.2	18.9	14.1	10.5	80
85	9.4	11.5	12.1	9	6.8	32.2	25.5	18.3	13.6	10.2	85
90	8.1	10.4	11.5	8.6	6.4	30.7	24.8	17.7	13.2	9.8	90
95		9.3	10.7	8.3	6.1	29.1	24.2	17.2	12.7	9.5	95
100		8.3	9.8	7.9	5.8	27.7	23.5	16.7	12.3	9.2	100
105		7.3	8.8	7.4	5.6	26.3	22.8	16.2	11.9	8.8	105
110		6.4	8	7	5.4	24.9	22	15.8	11.5	8.5	110
115			7.2	6.6	5.2	23.5	21.2	15.3	11.1	8.2	115
120			6.5	6.3	4.9	22.3	20.4	14.9	10.8	7.9	120
125			5.8	6.1	4.7	21.1	19.6	14.5	10.5	7.7	125
130			5.1	5.8	4.4	19.9	18.7	14.1	10.2	7.4	130
135			4.4	5.3	4.2	18.8	17.8	13.7	9.8	7.1	135
140				4.7	4	17.8	16.8	13.4	9.5	6.9	140
145				4.1	3.9	16.8	15.9	13.1	9.2	6.6	145
150				3.6	3.8	15.8	15.1	12.8	9	6.4	150
155				3	3.5	14.8	14.3	12.4	8.7	6.2	155
160					3.1	14	13.5	12.1	8.5	6	160
165					2.7	13.2	12.7	11.7	8.3	5.8	165
170					2.5	12.5	11.9	11.4	8.1	5.7	170
175					2.4	11.8	11.3	11	7.9	5.6	175
180					2.4	11.2	10.7	10.5	7.6	5.5	180
185						10.5	10.1	9.9	7.3	5.3	185
190						9.9	9.6	9.3	7.1	5.2	190
195						9.3	9.1	8.8	6.8	5	195
200						8.7	8.6	8.4	6.6	4.9	200
205							8.1	7.9	6.4	4.7	205
210							7.6	7.5	6.3	4.6	210
215							7.1	7.1	6.2	4.4	215
220							6.7	6.7	6	4.3	220
225								6.3	5.9	4.1	225
230								6	5.6	4.1	230
235								5.6	5.3	4	235
240								5.2	5	3.9	240
245								4.9	4.6	3.8	245
250									4.3	3.7	250
255									4	3.6	255
260									3.7	3.4	260
265									3.4	3.1	265
270										2.8	270
275										2.5	275

\* adapter / pièce d'adaptateur

# Lifting capacities on the lattice fly jib

## Forces de levage à la flèche treillis fixe

ft	187 ft + 5 ft*					204 ft + 5 ft*				221 ft + 5 ft*				236 ft + 5 ft*	ft
	46 ft	69 ft	92 ft	115 ft	138 ft	46 ft	69 ft	92 ft	115 ft	46 ft	69 ft	92 ft	115 ft	115 ft	
36	35.1														36
38	35.1														38
40	35.1														40
45	34.9	26.2	20.7			28.1	20.9			21.1					45
50	34.8	26.1	20.4	15.3		27.9	20.9	16.7		21.1	16.6				50
55	34.4	25.9	20	15.1	10.9	27.8	20.9	16.7	12.7	21.1	16.6	12.9			55
60	33.6	25.5	19.3	14.7	10.9	27.5	20.8	16.7	12.7	21	16.6	12.9			60
65	32.6	25.1	18.8	14.3	10.6	26.9	20.7	16.5	12.4	20.9	16.5	12.9	9		65
70	31.6	24.8	18.3	13.9	10.3	26.3	20.6	16.2	12.1	20.7	16.5	12.9	9		70
75	30.5	24.5	17.8	13.4	10	25.6	20.3	15.8	11.8	20.3	16.3	12.9	9		75
80	29.3	24.2	17.4	13	9.7	24.8	19.9	15.5	11.5	19.9	16	12.8	9		80
85	27.9	23.8	17	12.6	9.4	24.1	19.5	15.2	11.2	19.5	15.7	12.6	9	6.6	85
90	26.6	23	16.6	12.2	9.1	23.2	19.1	14.9	10.9	19.1	15.4	12.4	9	6.6	90
95	25.4	22.2	16.2	11.9	8.8	22.2	18.6	14.7	10.7	18.5	15	12.1	9	6.6	95
100	24.2	21.3	15.7	11.5	8.5	21.2	17.9	14.4	10.4	17.9	14.7	11.9	9	6.6	100
105	23.1	20.5	15.3	11.2	8.2	20.3	17.3	14	10.2	17.3	14.2	11.6	8.9	6.6	105
110	22	19.6	15	10.9	8	19.4	16.7	13.7	9.9	16.7	13.8	11.3	8.7	6.6	110
115	21	18.8	14.6	10.6	7.7	18.5	16.1	13.5	9.7	16.2	13.4	10.9	8.5	6.6	115
120	19.9	17.9	14.2	10.3	7.5	17.7	15.5	13.2	9.4	15.6	13	10.6	8.4	6.6	120
125	18.9	17.2	13.9	10	7.2	16.9	15	12.9	9.2	15	12.6	10.3	8.1	6.6	125
130	18	16.4	13.6	9.7	7	16.1	14.4	12.4	9	14.5	12.3	10	7.9	6.6	130
135	17	15.7	13.3	9.4	6.8	15.3	13.8	12	8.8	14	11.9	9.7	7.6	6.5	135
140	16.1	15	13	9.2	6.6	14.6	13.2	11.6	8.6	13.4	11.5	9.4	7.4	6.4	140
145	15.2	14.2	12.7	8.9	6.4	13.8	12.7	11.2	8.4	12.8	11.1	9.1	7.2	6.2	145
150	14.3	13.6	12.4	8.7	6.2	13.1	12	10.8	8.2	12.2	10.7	8.9	6.9	6	150
155	13.4	12.9	11.9	8.5	6	12.4	11.5	10.4	8	11.6	10.3	8.6	6.7	5.8	155
160	12.7	12.2	11.3	8.2	5.8	11.7	10.9	9.9	7.8	11	9.9	8.3	6.5	5.5	160
165	12.1	11.5	10.8	8.1	5.7	11	10.3	9.4	7.6	10.5	9.4	8.1	6.3	5.3	165
170	11.5	10.8	10.3	7.9	5.5	10.5	9.8	9	7.5	9.9	9	7.8	6.1	5.1	170
175	10.9	10.2	9.7	7.8	5.4	10	9.3	8.6	7.3	9.4	8.5	7.5	5.9	4.8	175
180	10.3	9.5	9.2	7.6	5.3	9.5	8.7	8.1	7	8.9	8.1	7.2	5.8	4.5	180
185	9.8	9	8.7	7.4	5.2	9.1	8.2	7.7	6.7	8.4	7.7	6.8	5.6	4.3	185
190	9.2	8.6	8.1	7.2	5.1	8.7	7.7	7.3	6.3	7.8	7.3	6.5	5.4	4	190
195	8.7	8.3	7.6	7	5	8.3	7.2	6.9	6	7.3	6.9	6.1	5.1	3.7	195
200	8.2	7.9	7.1	6.7	4.9	8	6.9	6.5	5.6	6.8	6.5	5.8	4.8	3.4	200
205	7.7	7.6	6.7	6.3	4.8	7.6	6.6	6.1	5.3	6.4	6	5.5	4.5	3.1	205
210	7.2	7.1	6.4	5.9	4.6	7.2	6.4	5.7	4.9	6.1	5.6	5.1	4.2		210
215	6.7	6.7	6.1	5.5	4.5	6.8	6.1	5.4	4.6	5.7	5.2	4.8	3.9		215
220		6.3	5.9	5.1	4.4	6.3	5.8	5.1	4.3	5.3	4.9	4.5	3.7		220
225		5.9	5.6	4.8	4.2	5.9	5.6	4.9	4	5	4.5	4.1	3.4		225
230		5.5	5.3	4.6	4	5.6	5.3	4.7	3.8	4.6	4.1	3.8	3.1		230
235		5.1	5	4.4	3.6	5.2	5	4.5	3.5	4.2	3.8	3.4	2.8		235
240		4.7	4.7	4.2	3.4		4.7	4.3	3.3	3.8	3.5	3.1	2.5		240
245			4.4	3.9	3.1		4.3	4	3.1	3.5	3.1	2.8			245
250			4	3.6	2.9		4	3.7	2.9		2.8				250
255			3.7	3.2	2.7		3.7	3.4	2.6		2.5				255
260			3.3	2.9	2.5			3.1	2.4						260
265				2.6				2.8							265
270								2.5							270
275								2.2							275

\* adapter / pièce d'adaptateur

TAB 131562

# Lifting capacities on the lattice fly jib Forces de levage à la fléchette treillis fixe



ft	51 ft + 5 ft*					170 ft + 5 ft*					ft
	46 ft	69 ft	92 ft	115 ft	138 ft	46 ft	69 ft	92 ft	115 ft	138 ft	
26	39										26
28	38										28
30	36.8										30
32	35.7										32
34	34.6										34
36	33.5	24.2									36
38	32.5	23.7									38
40	31.6	23.2									40
45	29.5	22									45
50	27.6	21	14.9			37.3					50
55	25.1	20.1	14.6			36.6					55
60	22.2	19.3	13.9			35.4					60
65	19.4	18.6	13.2	9.9		34.1	22.8				65
70	16.9	18	12.6	9.4	7	33	22.3				70
75	14.6	17.3	12.1	8.9	6.8	32	21.7	14.6			75
80	12.6	16.4	11.6	8.5	6.4	31	21.2	14.5			80
85	10.6	15.1	11.2	8.1	6	30.1	20.8	14.2			85
90	8.9	13.4	10.8	7.7	5.7	29.2	20.3	13.8	9.7		90
95		11.8	10.4	7.3	5.4	28.4	19.9	13.4	9.5		95
100		10.3	10.1	7	5.2	27.7	19.6	13.1	9.3	6.4	100
105		8.8	9.7	6.6	4.9	26.9	19.2	12.8	9	6.4	105
110		7.3	9.4	6.4	4.7	25.5	18.8	12.5	8.7	6.2	110
115			9	6.2	4.5	24.2	18.5	12.3	8.5	6	115
120			8.3	6	4.3	23	18.2	12	8.3	5.8	120
125			7.2	5.8	4.1	21.8	17.9	11.8	8.1	5.6	125
130			6.1	5.6	4	20.6	17.6	11.5	7.8	5.5	130
135			5.1	5.5	3.8	19.5	17.3	11.3	7.6	5.3	135
140				5.5	3.7	18.4	17	11.1	7.4	5.1	140
145				5.4	3.6	17.4	16.6	10.9	7.2	5	145
150				4.8	3.4	16.3	16.1	10.7	7	4.9	150
155				4	3.4	15.4	15.4	10.5	6.8	4.7	155
160					3.3	14.6	14.6	10.3	6.7	4.6	160
165					3.3	13.7	13.8	10.2	6.5	4.5	165
170					3.3	13	13	10	6.4	4.4	170
175					2.8	12.2	12.3	9.8	6.3	4.3	175
180						11.4	11.6	9.7	6.2	4.2	180
185						10.7	10.9	9.5	6	4.1	185
190						10	10.3	9.4	6	4	190
195							9.7	9.3	5.8	3.9	195
200							9.1	9.1	5.7	3.8	200
205							8.5	8.7	5.6	3.8	205
210								8.1	5.6	3.7	210
215								7.6	5.5	3.6	215
220								7.2	5.5	3.5	220
225								6.7	5.5	3.5	225
230								6.2	5.5	3.4	230
235								5.7	5.4	3.4	235
240									5.3	3.4	240
245									5.1	3.3	245
250									4.7	3.3	250
255									4.4	3.3	255
260										3.3	260
265										3.3	265
270										3.2	270
275										3	275
280										2.6	280

\* adapter / pièce d'adaptateur



# Lifting capacities on the lattice fly jib Forces de levage à la fléchette treillis fixe



ft	51 ft + 5 ft*					170 ft + 5 ft*					ft
	46 ft	69 ft	92 ft	115 ft	138 ft	46 ft	69 ft	92 ft	115 ft	138 ft	
38	30.4										38
40	30.2										40
45	28.6										45
50	27.1										50
55	25.6	17.6									55
60	24.2	17.5									60
65	22.5	17				29.6					65
70	19.6	16.6				29.1					70
75	16.7	16.2	10.7			28.5					75
80	14.3	15.8	10.3			27.8					80
85	13.3	15.6	9.9			27.1	17.5				85
90		15.2	9.6	6.5		26.5	17.3				90
95		13.9	9.3	6.3		25.9	17	10.6			95
100		12	9.1	6.1		25.4	16.8	10.5			100
105			8.9	5.8		24.9	16.6	10.3			105
110			8.8	5.7	4	24.4	16.5	10.2			110
115			8.8	5.5	3.9	24	16.3	10	6.3		115
120			8.7	5.4	3.8	23.4	16.1	9.8	6.3		120
125			8.6	5.3	3.6	22.4	15.9	9.7	6.1		125
130			8.5	5.2	3.5	21.2	15.8	9.5	6		130
135				5.2	3.4	20.1	15.7	9.4	5.9	3.9	135
140				5.2	3.3	19	15.6	9.3	5.8	3.9	140
145				5.1	3.2	17.9	15.5	9.1	5.7	3.8	145
150				5.1	3.1	16.9	15.4	9.1	5.6	3.7	150
155					3.1		15.2	9	5.6	3.7	155
160					3.1		14.9	8.9	5.5	3.6	160
165					3.1		14.5	8.9	5.4	3.5	165
170					3.1		13.7	8.8	5.4	3.5	170
175					3.1		12.9	8.8	5.3	3.4	175
180								8.8	5.3	3.4	180
185								8.8	5.2	3.3	185
190								8.8	5.2	3.3	190
195								8.8	5.2	3.2	195
200									5.2	3.2	200
205									5.2	3.2	205
210									5.2	3.1	210
215									5.2	3.1	215
220									5.2	3.1	220
225										3.1	225
230										3.1	230
235										3.1	235
240										3.1	240

\* adapter / pièce d'adaptateur

TAB 131582



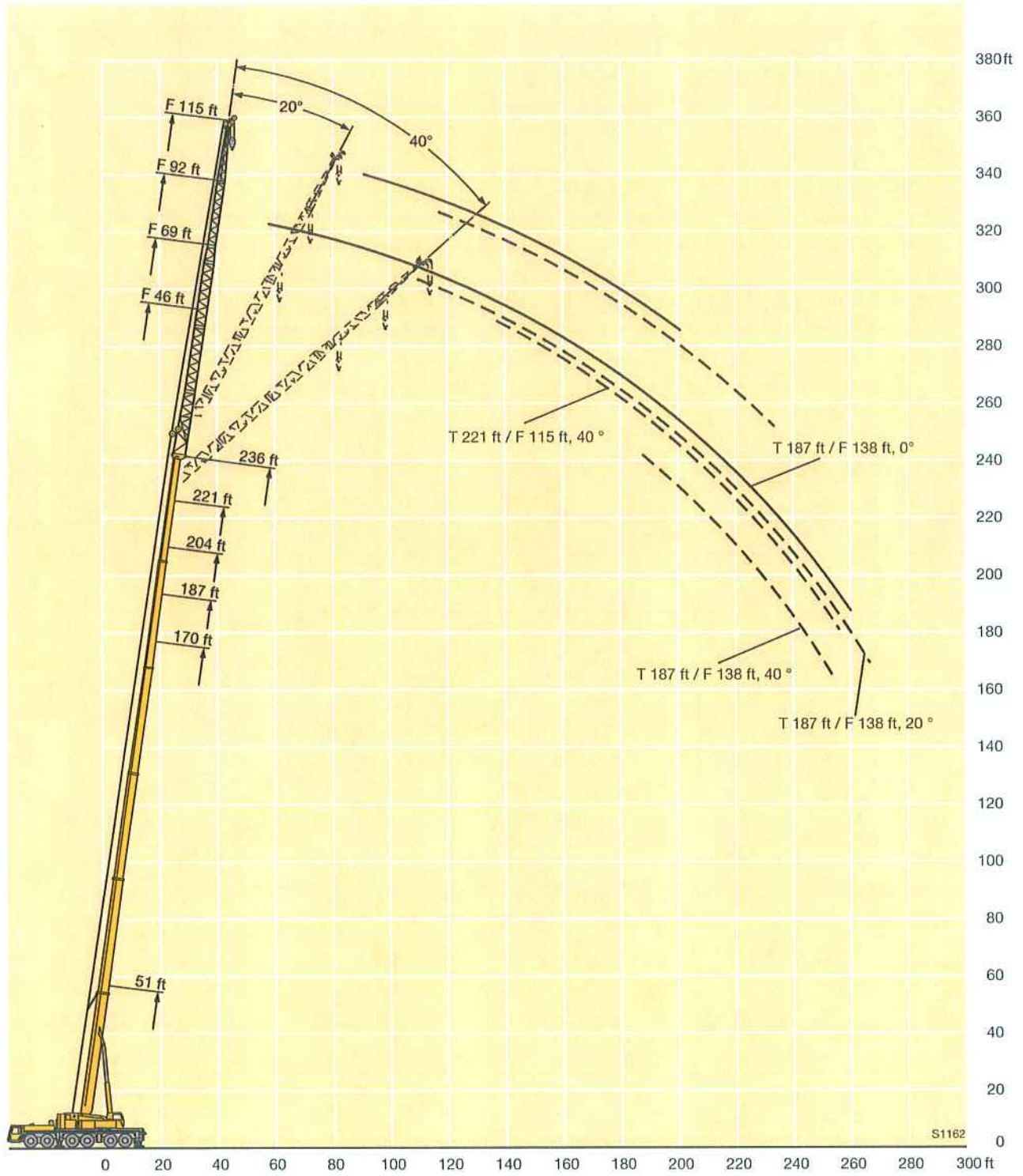
# Lifting capacities on the lattice fly jib Forces de levage à la flèche treillis fixe

		187 - 221 ft		46 - 138 ft		360°		187400 lbs		85%					
		187 ft + 5 ft*					204 ft + 5 ft*				221 ft + 5 ft*				
ft		46 ft	69 ft	92 ft	115 ft	138 ft	46 ft	69 ft	92 ft	115 ft	46 ft	69 ft	92 ft	115 ft	ft
70		28													70
75		27.6					23.5								75
80		27					23.3								80
85		26.4					22.7				18.7				85
90		25.9	16.8				22.1				18.2				90
95		25.4	16.7				21.4	16			17.8				95
100		24.7	16.5	10.2			20.6	15.9			17.3	13.6			100
105		23.9	16.3	10.2			19.9	15.8			16.8	13.6			105
110		23.1	16.2	10			19.2	15.7	9.7		16.4	13.2			110
115		22.4	16	9.8			18.6	15.4	9.6		15.9	12.9			115
120		21.4	15.9	9.7	6		18	15.1	9.5		15.5	12.5	9.1		120
125		20.3	15.8	9.5	6		17.4	14.8	9.4		15	12.2	9.1		125
130		19.3	15.7	9.4	5.9		16.8	14.4	9.2	5.8	14.5	11.9	9		130
135		18.2	15.6	9.3	5.9		16.3	13.9	9.2	5.7	14	11.6	8.9		135
140		17.3	15.5	9.2	5.8	3.8	15.7	13.5	9.1	5.6	13.6	11.3	8.8	5.4	140
145		16.3	15.4	9.1	5.7	3.8	15.2	13	9	5.6	13.1	11	8.8	5.4	145
150		15.5	15	9	5.6	3.7	14.4	12.6	8.9	5.5	12.7	10.7	8.7	5.3	150
155		14.6	14.4	8.9	5.5	3.6	13.6	12.2	8.8	5.4	12.3	10.4	8.5	5.3	155
160		13.7	13.8	8.9	5.5	3.6	12.9	11.8	8.7	5.4	11.9	10.2	8.3	5.2	160
165			13	8.8	5.4	3.5	12.2	11.4	8.7	5.3	11.5	9.8	8	5.2	165
170			12.3	8.8	5.3	3.4	11.5	11.1	8.7	5.3	10.9	9.5	7.8	5.1	170
175			11.7	8.7	5.3	3.4	10.8	10.6	8.7	5.2	10.3	9.1	7.6	5.1	175
180			11	8.7	5.3	3.3		10.1	8.6	5.2	9.7	8.8	7.4	5.1	180
185				8.6	5.2	3.3		9.5	8.5	5.1		8.5	7.3	5	185
190				8.6	5.2	3.2		9	8.3	5.1		8.3	7.1	5	190
195				8.6	5.1	3.2		8.4	8.1	5.1		8	6.8	5	195
200				8.5	5.1	3.2			7.8	5.1		7.5	6.6	5	200
205				8.2	5.1	3.1			7.5	5.1		7.1	6.4	5	205
210					5.1	3.1			7.1	5			6.2	5	210
215					5.1	3.1			6.7	5			6	4.9	215
220					5.1	3.1			6.2	5			5.8	4.8	220
225					5.1	3.1				5			5.5	4.7	225
230						3.1				5				4.5	230
235						3.1				4.9				4.4	235
240						3.1				4.6				4.2	240
245						3.1								3.9	245
250						3.1								3.5	250
255						3.1								3.2	255

\* adapter / pièce d'adaptateur

TAB 1315B2

# Lifting heights Hauteurs de levage



S1162

# Lifting capacities on the luffing lattice jib Forces de levage à la flèche treillis relevable

ft	51 ft + 10 ft*									85 ft + 10 ft*									ft
	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	
22	112																		22
24	112																		24
26	112	112																	26
28	112	112																	28
30	112	112							95.5										30
32	112	112							95.5	85.5									32
34	112	111							95.5	85.5									34
36	111	109	86.5						95.5	85.5									36
38	111	108	85.5						95.5	85.5									38
40	110	107	84.5						95.5	85.5	67								40
45	106	104	82.5	65.5					95.5	85.5	66.5								45
50	95.5	102	80.5	64.5	50.8				95.5	85.5	66	51.1							50
55	80.5	96.5	79	63.5	50.6	39.8			93	85.5	65.5	50.9	40.3						55
60		86	78	62	50	39.7				85	65.5	50.6	40.3						60
65		72.5	77	61	49.3	39.3	31.1			84.5	65.5	50.3	40	31.8					65
70			73.5	60.5	48.5	38.9	30.8	24.6		77.5	65	50.1	39.8	31.6	24.9				70
75			67.5	59.6	47.8	38.5	30.4	24.4	18.2		65	50	39.5	31.3	24.8	20			75
80			59	59	47.2	38.1	30.1	24.1	18		64.5	50	39.3	31.1	24.6	19.9			80
85			50.5	58.3	46.6	37.6	29.8	23.9	17.3		62.5	49.9	39.1	30.9	24.4	19.7	15.5		85
90			41.3	55.2	46.2	37.2	29.5	23.6	16.6		56.6	49.9	39.1	30.7	24.3	19.6	15.1		90
95				50.7	45.3	36.8	29.3	23.4	16		46.3	49.8	39	30.5	24.1	19.4	14.6		95
100				45.5	44.1	36.5	29	23.1	15.4			49.5	39	30.5	23.9	19.2	14.1		100
105				40.3	42.7	36.1	28.8	22.8	14.8			48.7	39	30.4	23.8	19.1	13.6		105
110				34.5	41.2	35.8	28.6	22.5	14.2			45	38.7	30.3	23.7	18.9	13.2		110
115					39	35.5	28.3	22	13.7			40.3	38.2	30.3	23.6	18.8	12.8		115
120					36	35.2	27.8	21.6	13.2				37.5	30.2	23.4	18.7	12.3		120
125					32.4	34.7	27.3	21.2	12.6				36.5	30.2	23.2	18.6	11.9		125
130					28.6	33.7	26.7	20.7	12.1				34.7	30.1	22.8	18.5	11.5		130
135					23.6	31.5	26.2	20.2	11.6				31.8	30.1	22.5	18.4	11.1		135
140						28.9	25.7	19.7	11.1				27.2	30.1	22.1	18.1	10.7		140
145						26.2	25.3	19.3	10.6					29.9	21.7	17.8	10.2		145
150						23.5	25	18.8	10.2					28.5	21.4	17.5	9.8		150
155						20.6	24.3	18.4	9.7					26.1	21.2	17.2	9.4		155
160							23.1	18	9.3					23.4	21	16.9	9.1		160
165							21.3	17.6	8.9						20.8	16.6	8.7		165
170							19.3	17.2	8.5						20.6	16.3	8.3		170
175							17.3	16.9	8.1						20.5	16.1	8		175
180							14.5	16.6	7.7						19.8	15.8	7.7		180
185								16.2	7.4							15.6	7.3		185
190								15.9	7.1							15.4	7		190
195								14.6	6.8							15.1	6.7		195
200								12.8	6.5							14.9	6.5		200
205									6.2							14.3	6.2		205
210									5.9								6		210
215									5.7									5.7	215
220									5.4									5.5	220
225									5.3									5.3	225

\* adapter / pièce d'adaptateur

TAB 131218

# Lifting capacities on the luffing lattice jib

## Forces de levage à la flèche treillis relevable



ft	119 ft + 10 ft*								153 ft + 10 ft*						ft	
	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft		184 ft
36	65															36
38	65															38
40	65	57.5														40
45	65	57.3	44.7						40.3	35.6						45
50	65	57.2	44.6						40.2	35.5	27.8					50
55	65	57.1	44.4	35.6					40.1	35.4	27.7					55
60	65	57.1	44.3	35.6					40.1	35.3	27.6					60
65	65	57.1	44.2	35.4	28.5				40.1	35.2	27.5	21.5				65
70		57.1	44.1	35.3	28.4	22.6			40.1	35.2	27.4	21.4	17.2			70
75		57.1	44.1	35.1	28.2	22.5	18			35.2	27.3	21.3	17.1	13.2		75
80			44.1	35	28.1	22.4	18			35.2	27.3	21.2	17	13.2		80
85			44.1	35	28	22.3	17.9	14.1		35.2	27.3	21.2	16.9	13.1	9.5	85
90			44.1	35	27.9	22.3	17.8	14			27.3	21.1	16.9	13.1	9.5	90
95			44.1	35	27.9	22.2	17.7	14			27.3	21.1	16.8	13	9.5	95
100				35	27.9	22.1	17.6	13.9			27.3	21.1	16.8	12.9	9.5	100
105				35	27.9	22.1	17.5	13.8				21.1	16.8	12.9	9.5	105
110				35	27.9	22.1	17.5	13.8				21.1	16.8	12.8	9.5	110
115				35	27.9	22.1	17.4	13.7				21.1	16.8	12.8	9.5	115
120				35	27.9	22.1	17.4	13.7				21.1	16.8	12.8	9.5	120
125					27.9	22.1	17.4	13.6				21.1	16.8	12.8	9.5	125
130					27.9	22.1	17.4	13.6				21.1	16.8	12.8	9.5	130
135					27.9	22.1	17.4	13.6					16.8	12.8	9.5	135
140					27.9	22.1	17.4	13.6					16.8	12.8	9.5	140
145					22.1	17.4	13.6	13.6					16.8	12.8	9.5	145
150					22.1	17.4	13.6	13.6					16.8	12.8	9.5	150
155					22.1	17.4	13.6	13.6						12.8	9.5	155
160					22.1	17.4	13.6	13.6						12.8	9.5	160
165					22.1	17.4	13.6	13.6						12.8	9.5	165
170					22.1	17.4	13.6	13.6						12.8	9.5	170
175						17.4	13.6	13.6							9.5	175
180						17.4	13.6	13.6							9.5	180
185						17.4	13.6	13.6							9.5	185
190						17.4	13.6	13.6							9.5	190
195							13.6	13.6							9.5	195
200								13.5								200
205								13.4								205
210								13.3								210
215								13								215

\* adapter / pièce d'adaptateur

TAB 131218

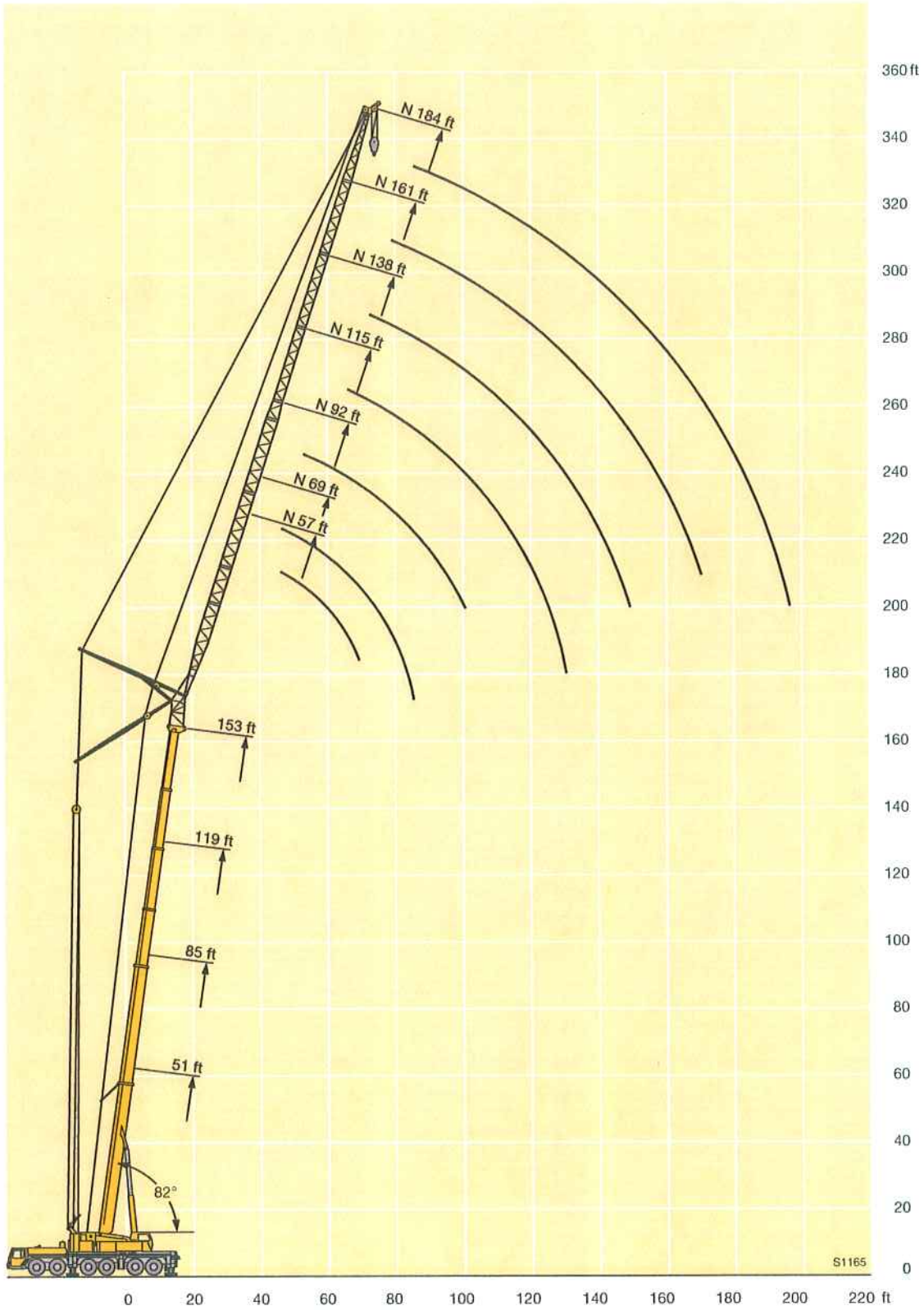


ft	187 ft + 10 ft*				204 ft + 10 ft*				221 ft + 10 ft*			ft	
	57 ft	69 ft	92 ft	115 ft	138 ft	57 ft	69 ft	92 ft	115 ft	57 ft	69 ft		92 ft
50	24.1	21.3				18.1							50
55	24	21.2				18				13.1			55
60	23.9	21.1				17.9				13			60
65	23.9	21	16.2			17.8				13	11.1		65
70	23.9	20.9	16.1	12.3		17.8				12.9	11	6.8	70
75	23.9	20.9	16.1	12.2	8.5	17.8				12.9	11	6.8	75
80		20.9	16	12.2	8.5						10.9	6.8	80
85		20.9	16	12.1	8.5						10.9	6.8	85
90			16	12	8.5						10.9	6.8	90
95			16	12	8.5							6.8	95
100			15.9	12	8.5							6.8	100
105			15.9	12	8.5							6.8	105
110			15.9	12	8.5							6.8	110
115				12	8.5								115
120				12	8.5								120
125				12	8.5								125
130				12	8.5								130
135					8.5								135
140					8.5								140
145					8.5								145
150					8.5								150
155					8.5								155

\* adapter / pièce d'adaptateur

TAB 131218

# Lifting heights Hauteurs de levage



# Lifting capacities on the luffing lattice jib Forces de levage à la flèche treillis relevable



ft	51 ft + 10 ft*									85 ft + 10 ft*									ft
	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	
38	112																		38
40	112																		40
45	109	102																	45
50	106	98.5								92.5									50
55	99	95	78							92	83								55
60	89.5	91.5	76							90.5	82.5								60
65	79	88.5	74	60						86.5	81.5	63.5							65
70		81.5	73	59.1	48					83	79.5	63	49.3						70
75			72	57.9	47.5						76.5	62.5	49.2						75
80			70.5	56.8	46.6						73.5	62	49						80
85			66.5	56.1	45.7	37.4					71.5	62	48.7	38.6					85
90			58.7	55.6	44.9	36.8	29.3					61.5	48.4	38.4	30.3				90
95			49.7	55.1	44.3	36.2	29.1					60.5	48.1	38.2	30.1				95
100				53.9	43.8	35.7	28.8	22.8				58.6	48	38	30	23.5			100
105				50.9	43.4	35.1	28.5	22.8					48	37.9	29.8	23.5			105
110				45.9	42.8	34.8	28.1	22.6	14.9				47.9	37.8	29.7	23.4	18.7		110
115				40.5	41.7	34.5	27.7	22.3	14.5				47.9	37.8	29.6	23.2	18.7		115
120					40.4	34.3	27.4	21.9	13.9				47	37.8	29.5	23.1	18.6	12.9	120
125					38.9	34.2	27.1	21.5	13.3				44.3	37.7	29.4	22.9	18.5	12.8	125
130					36.7	34	27	21	12.8				38.8	37.2	29.4	22.8	18.4	12.4	130
135					33.4	33.9	26.8	20.6	12.3					36.5	29.4	22.7	18.3	12	135
140					29.5	33.5	26.4	20.2	11.8					35.6	29.4	22.5	18.2	11.5	140
145						32.4	26	19.8	11.3					34.6	29.4	22.3	18.1	11.1	145
150						30.1	25.6	19.3	10.8					32.1	29.4	22	17.9	10.7	150
155						27.4	25.2	18.9	10.4						29.4	21.7	17.7	10.4	155
160						24.6	24.8	18.5	9.9						29.4	21.5	17.5	10	160
165							24.4	18.1	9.5						29	21.2	17.2	9.6	165
170							23.9	17.7	9.1						26.7	20.9	16.9	9.2	170
175							22.3	17.3	8.7						23.6	20.7	16.6	8.8	175
180							20.4	16.9	8.3							20.5	16.4	8.5	180
185							18.2	16.6	7.9							20.5	16.1	8.1	185
190							15.6	16.3	7.5							20.4	15.8	7.7	190
195								16	7.1							20	15.6	7.4	195
200								15.8	6.8								15.3	7.1	200
205									6.4								15.2	6.8	205
210									6.2								15	6.4	210
215									5.9								14.8	6.2	215
220									5.7								14.1	5.9	220
225									5.5									5.7	225
230									5.3									5.5	230
235									5.2									5.3	235
240																		5.1	240

\* adapter / pièce d'adaptateur

TAB 131221

# Lifting capacities on the luffing lattice jib

## Forces de levage à la flèche treillis relevable

		119 - 153 ft		57 - 207 ft		360°		159800 lbs		85%							
		119 ft + 10 ft*							153 ft + 10 ft*								
ft		57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	ft
60		63															60
65		63															65
70		60.5	55.9						39.3								70
75		58.3	55.2	43.4					39.1	34.4							75
80			53.8	43.4					38.8	34.4							80
85			51.7	43.3	34.5				38.1	34.4							85
90			49.8	43.2	34.4				37.2	34.2	26.8						90
95				43.1	34.3	27.4				33.7	26.7	20.6					95
100				42.7	34.3	27.4	21.8			33	26.7	20.6					100
105				41.5	34.2	27.3	21.8				26.7	20.6					105
110				40.4	34.2	27.3	21.7				26.6	20.5	16.3				110
115				39.6	34.2	27.2	21.7	17.2			26.4	20.5	16.3	11.9			115
120					34.1	27.2	21.6	17.2	13.1			26.1	20.5	16.3	11.9		120
125					33.8	27.2	21.5	17.2	13.1				20.5	16.3	11.9		125
130					33	27.2	21.5	17.1	13.1				20.5	16.2	11.9	8	130
135					32.5	27.2	21.4	17.1	13.1				20.5	16.2	11.9	8	135
140						27.2	21.4	17.1	13.1				20.5	16.2	11.9	8	140
145						27.2	21.4	17	13.1					16.2	11.9	8	145
150						27.2	21.4	17	13.1					16.2	11.9	8	150
155						27	21.4	17	13.1					16.2	11.9	8	155
160						26.7	21.4	17	13.1					16.2	11.9	8	160
165							21.4	17	13.1					16.2	11.9	8	165
170							21.4	17	13.1					16.2	11.9	8	170
175							21.4	17	13.1						11.9	8	175
180							21.4	17	13.1						11.9	8	180
185								17	13.1						11.9	8	185
190								17	13.1						11.9	8	190
195								17	13.1							8	195
200								17	13.1							8	200
205								17	13.1							8	205
210									13.1							8	210
215									13.1							8	215
220									13.1								220
225									13.1								225

\* adapter / pièce d'adaptateur

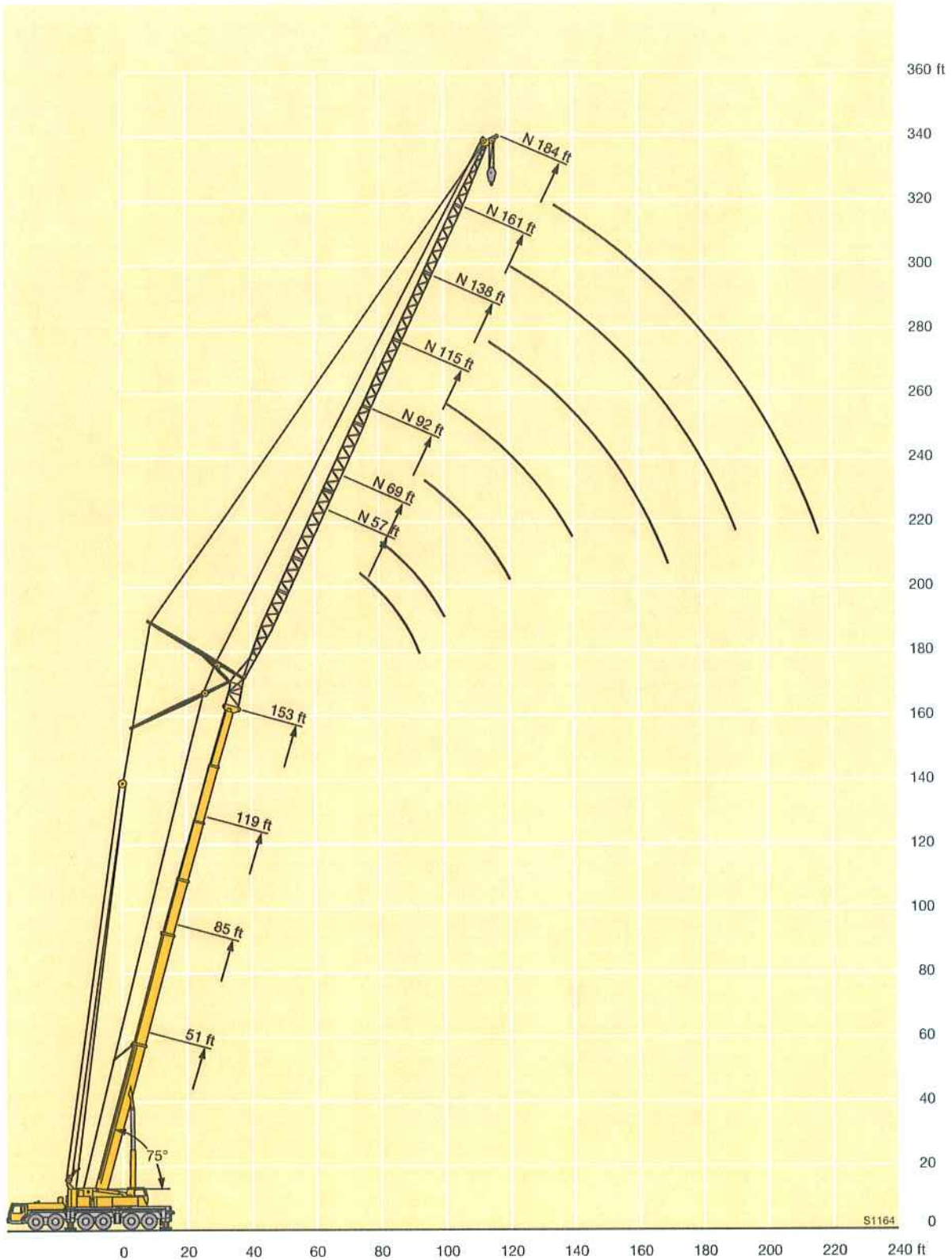
TAB 131221

		187 - 221 ft		57 - 138 ft		360°		159800 lbs		85%				
		187 ft + 10 ft*						204 ft + 10 ft*			221 ft + 10 ft*			
ft		57 ft	69 ft	92 ft	115 ft	138 ft	57 ft	69 ft	92 ft	115 ft	57 ft	69 ft	92 ft	ft
90		22.8	20.4											90
95		22.5	20.3				17.1	14.8						95
100			20.1	15.5			16.9	14.8			11.6			100
105			19.8	15.5				14.8			11.6			105
110			19.4	15.5	10.9			14.6	9.9		11.6			110
115				15.4	10.9			14.4	9.9			9.5	5.3	115
120				15.4	10.9	7			9.9	6.1			5.3	120
125				15.2	10.9	7			9.9	6.1			5.3	125
130				15	10.9	7			9.9	6.1			5.3	130
135					10.9	7			9.9	6.1			5.3	135
140					10.9	7				6.1			5.3	140
145					10.9	7				6.1				145
150					10.9	7				6.1				150
155					10.9	7				6.1				155
160						7								160
175						7								175

\* adapter / pièce d'adaptateur

TAB 131221

# Lifting heights Hauteurs de levage





# Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

		51 ft + 10 ft*								85 ft + 10 ft*											
ft		57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	230 ft	ft	
55	93.5																				55
60	92.5	89																			60
65	89	84								81											65
70	82.5	81								77											70
75		78.5	69.5							73	72										75
80		74	67.5							69.5	68										80
85		62	66	54.9						66.5	64.5	60									85
90			65	53.9							62	58.6									90
95			62.5	52.9	43.2							56.6	46.8								95
100			57.6	52.2	43							54.5	46.6								100
105			51.8	42.2	35							52.6	46.1								105
110			51.5	41.5	34.4							50.8	45.7	37							110
115			49.5	41	33.8	27.4						49.4	45.2	36.8							115
120			45.9	40.7	33.3	27.3							44.4	36.5	28.9						120
125				40.4	32.8	26.9							43.3	36.2	28.9						125
130				39.3	32.6	26.5	21.4						42	36.1	28.8						130
135				38	32.5	26.2	21.1						41	36	28.7	22.4					135
140				36.3	32.5	25.9	20.7	12						36	28.6	22.4	17.8				140
145				33.8	32.5	25.7	20.4	11.9						35.9	28.5	22.4	17.8				145
150				30.3	32.5	25.7	20	11.4						35.2	28.5	22.4	17.8				150
155					31.9	25.5	19.5	11						34.6	28.5	22.2	17.8	11			155
160					30.4	25.2	19.1	10.5						33.5	28.5	22	17.8	10.8			160
165					28.1	24.9	18.7	10.1							28.5	21.8	17.7	10.4			165
170					25.4	24.6	18.3	9.7							28.5	21.5	17.5	10			170
175						24.3	17.9	9.3							28.5	21.2	17.3	9.6			175
180						23.8	17.5	8.8							28	21	17	9.3			180
185						22.9	17.1	8.5								20.8	16.7	8.9			185
190						21.2	16.8	8.1								20.5	16.4	8.6			190
195						18.8	16.4	7.7								20.4	16.1	8.2			195
200							16.1	7.3								20.3	15.9	7.9			200
205							15.8	7								20.3	15.6	7.5			205
210							15.6	6.6									15.3	7.2			210
215							15.4	6.3									15.1	6.9			215
220								6									14.9	6.6			220
225								5.7									14.8	6.2			225
230								5.5										6			230
235								5.4										5.7			235
240								5.2										5.5			240
245																		5.3			245
250																		5.2			250
255																		5.1			255

\* adapter / pièce d'adaptateur

TAB 131223

# Lifting capacities on the luffing lattice jib

## Forces de levage à la flèche treillis relevable

		119 - 153 ft		57 - 207 ft		360°		187400 lbs		85%																			
		119 ft + 10 ft*														153 ft + 10 ft*													
ft		57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	207 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	57 ft	69 ft	92 ft	115 ft	138 ft	161 ft	184 ft	ft					
85		48.4																						85					
90		46.2	44.6																					90					
95		44.2	43.3							31.9														95					
100			41.4	37.7						31.4	29.1													100					
105				37.7						30.1	29.1													105					
110				36.3						28.9	28													110					
115				35	32						26.9													115					
120				33.8	31.6	26.7																		120					
125				32.6	30.5	26.7																		125					
130				31.6	29.6	26.6																		130					
135					28.6	26.2	21																	135					
140					27.8	25.6	21																	140					
145					26.9	24.9	21																	145					
150					26.1	24.2	21	16.7																150					
155						23.6	21	16.7																155					
160						23	20.9	16.7	12.6															160					
165						22.4	20.7	16.7	12.6															165					
170						21.7	20.1	16.7	12.6															170					
175						21.3	19.6	16.7	12.6															175					
180							19.2	16.7	12.6															180					
185							18.7	16.7	12.6															185					
190							18.2	16.5	12.6															190					
195							17.9	16.1	12.6															195					
200								15.8	12.6															200					
205								15.4	12.6															205					
210								15.1	12.6															210					
215								14.8	12.6															215					
220								14.6	12.6															220					
225									12.5															225					
230									12.2															230					
235									12															235					
240									11.8															240					

\* adapter / pièce d'adaptateur

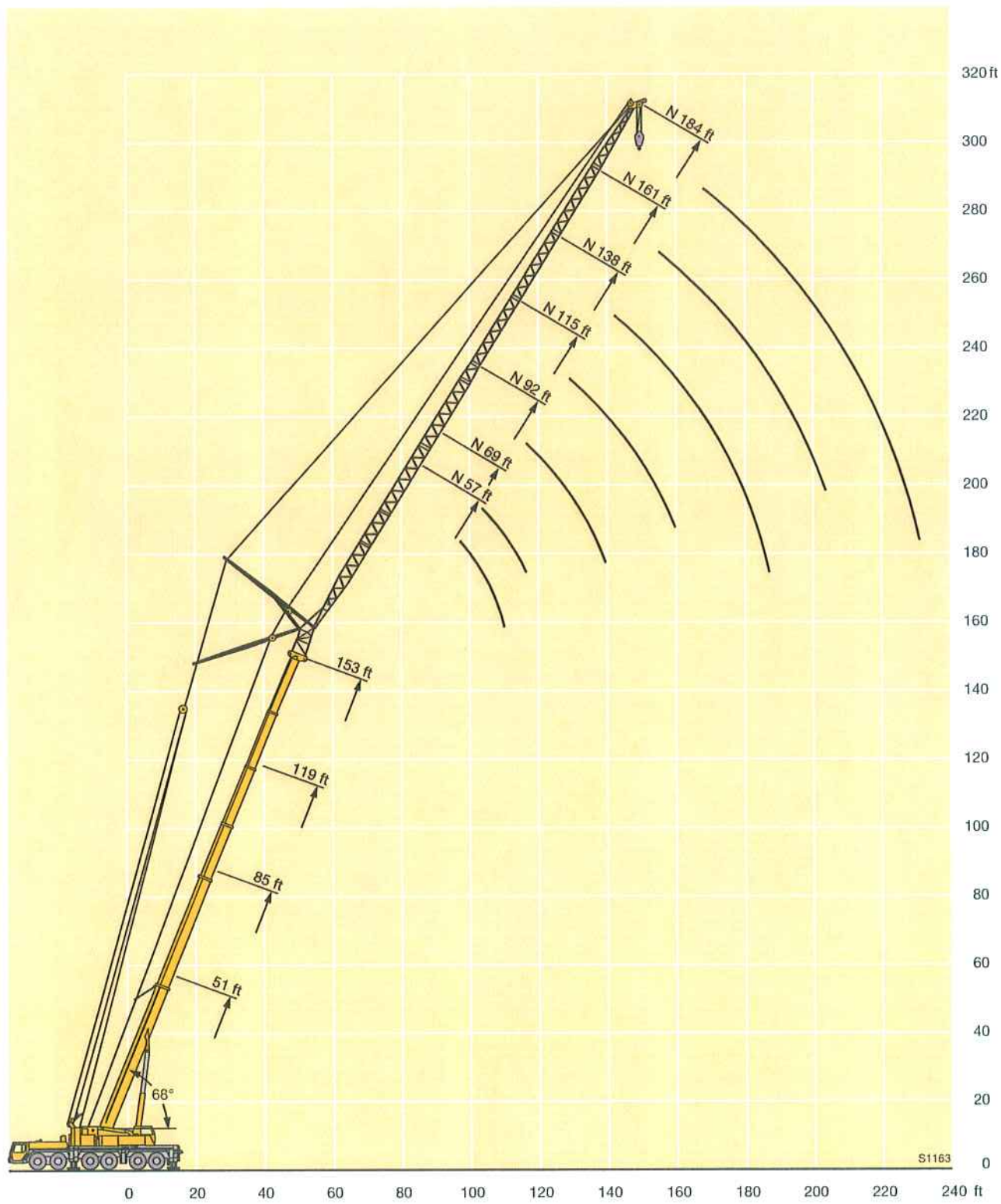
TAB 131223

		187 - 221 ft		57 - 138 ft		360°		187400 lbs		85%					
		187 ft + 10 ft*										204 ft + 10 ft*		221 ft + 10 ft*	
ft		57 ft	69 ft	92 ft	115 ft	138 ft	92 ft	115 ft	92 ft	115 ft	92 ft	115 ft	ft		
115		17											115		
120		16.7	15.1										120		
125			15.1										125		
130			14.6										130		
135				11.9									135		
140				11.7									140		
145				11.3									145		
150				11	9			7.5					150		
155				10.6	8.7			7.2				4.4	155		
160					8.5	6.3		7	5.1			4.4	160		
165					8.2	6.3			5.1			4.4	165		
170					7.9	6.3			5.1			4.4	170		
175					7.7	6.1			4.9				175		
180						6			4.8				180		
185						5.8							185		
190						5.7							190		
195						5.5							195		
200						5.4							200		

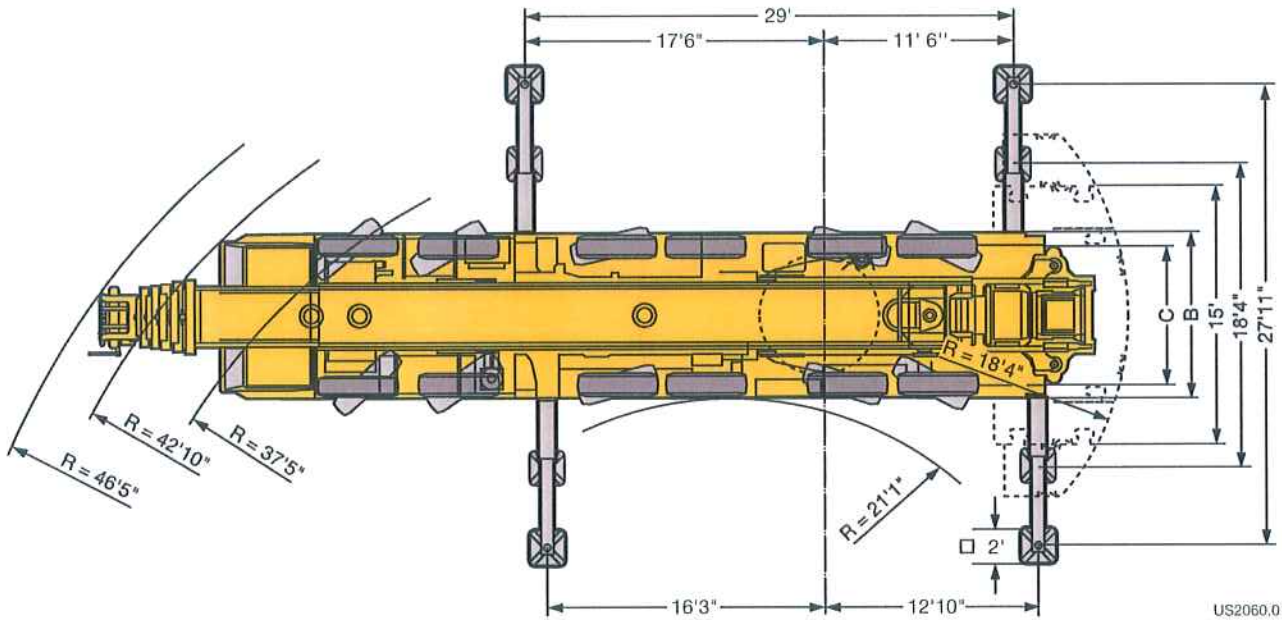
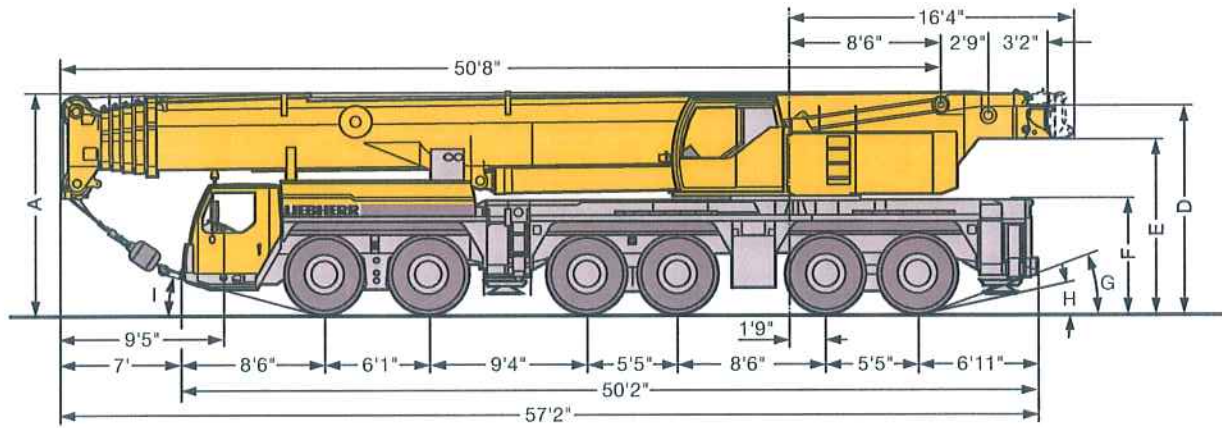
\* adapter / pièce d'adaptateur

TAB 131223

# Lifting heights Hauteurs de levage



# Dimensions Encombrement



US2060.01

Dimensions / Encombrement										
	A	A	B	C	D	E	F	G	H	I
16.00 R 25	13'1"	0'6**	9'10"	8'4"	12'4"	10'4"	6'9"	19°	13°	15°
20.5 R 25	13'1"	12'8"	10'8"	8'10"	12'4"	10'4"	6'9"	19°	13°	15°

\* lowered / abaissé

## Weights Poids



Axle Essieu lbs	1	2	3	4	5	6	Total weight (lbs) Poids total lbs
	26432	26432	26432	26432	26432	26432	158590



Load (kips) <sup>1)</sup> Forces de levage kips <sup>1)</sup>	No. of sheaves Poules	No. of lines Brins	Weight lbs Poids lbs
388	9	19	4400
315	7	14	3300
238	5	10	2865
156	3	6	2290
69	1	3	1850
22	-	1	1100

<sup>1)</sup> The safety regulations of the respective country shall be applicable.  
Les spécifications de sécurité du pays concerné seront en vigueur.

## Working speeds Vitesses



	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
16.00 R 25 20.5 R 25 mph	3.5	4.5	5.8	7.5	9.5	12.8	16.1	20.6	26.7	34.2	43.4	50	3.8	4.9	47.9 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 - 443 ft/min single line ft/min au brin simple	1" / 1181'	23605 lbs
	0 - 427 ft/min single line ft/min au brin simple	1" / 1394'	23605 lbs
	0 - 1.6 rpm		
	approx. 60 seconds to reach 82° boom angle env. 60 s jusqu'à 82°		
	approx. 450 seconds for boom extension from 51 ft - 236 ft env. 450 s pour passer de 51 ft - 236 ft		

## Equipment Equipment

### Crane carrier

<b>Frame</b>	Liebherr designed and manufactured, box-type, torsion resistant design of high-tensile fine grained structural steel.
<b>Outriggers</b>	Four hydraulically extendable sliding beams with hydraulic jacks and supporting pads. The front outrigger casing is mounted between axles 2 and 3 and the rear casing is located at the rear of the carrier.
<b>Engine</b>	8-cylinder Diesel engine, make Liebherr, type D9508 A7, watercooled, output 450 kW (612 h.p.) at 1900 rpm, max. torque 2095 lbs-ft at 1100 – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 141 gallons.
<b>Transmission</b>	Automatic transmission system with converter control clutch, make ZF, type TC-TRONIC with 12 forward speeds and 2 reverse speeds, transfer case with transfer differential.
<b>Axles</b>	Crane carrier axles of minor maintenance. All axles suspended. Axles 1 to 3 and 5 and 6 steered. Axles 1, 5 and 6 are planetary axles, intermediate differential at axle 5, all driven axles with transverse differential locks.
<b>Cardan shaft</b>	All cardan shafts with 70° diagonal toothing and maintenance-free.
<b>Suspension</b>	All axles with hydropneumatic suspension and automatic levelling system. Load equalization between the axle pairs 1 + 2, 3 + 4 and 5 + 6. The suspension can be locked hydraulically.
<b>Tyre equipment</b>	12 tyres, all axles equipped with single tyres. Size of tyres: 16.00 R 25.
<b>Steering</b>	ZF semi-integral power steering, dual circuit system with hydraulic servo-system and additional backing pump driven by an axle.
<b>Brakes</b>	Service brake: All-wheel servo-air brake, dual circuit system. Supplementary brakes: Exhaust brake with Liebherr supplementary brake system, retarder in the automatic transmission. Hand brake: Spring-loaded, acting on all wheels of axles 2 to 6.
<b>Driving cab</b>	Spacious sheet steel cab, cataphoretic dip-primed, mounted on rubber shock absorbers, safety glass windows, operating and control elements.
<b>Electrical system</b>	Modern data bus technique for the control of the electric and electronic components. 24 Volt DC, 2 batteries of 170 Ah each, lighting according to traffic regulations.

### Crane superstructure

<b>Frame</b>	Liebherr-made torsion resistant, welded construction of high-tensile structural steel, linked to carrier by a roller slewing rim for 360° continuous rotation.
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<b>Crane engine</b>	4-cylinder Diesel, make Liebherr, type D934L A6, watercooled, output 180 kW (245 h.p.) at 1800 min <sup>-1</sup> , max. torque 839 lbs-ft at 1500 min <sup>-1</sup> . Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 72 gallons.
<b>Crane drive</b>	Diesel-hydraulic, with 5 axial piston variable displacement pumps, with servo-control and capacity control.
<b>Crane control</b>	Two self-centering control levers (joy-sticks). Electronic control by means of the LICCON system, infinitely variable crane motions through displacement control of the hydraulic pumps. Additional working speed control by variation of the Diesel engine speed.
<b>Hoist gear</b>	Axial piston variable displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
<b>Luffing gear</b>	1 differential hydraulic rams with nonreturn valve.
<b>Slewing gear</b>	Hydraulic motor, planetary gear, slewing pinion and spring-loaded static brake.
<b>Crane cab</b>	Galvanized steel construction, powder coating, safety glazing, operating and control elements. Cab tiltable backwards by 20°.
<b>Safety devices</b>	LICCON safe load indicator, test system, hoist limit switches, safety valves against rupture of pipes and hoses.
<b>Counterweight</b>	159800 lbs counterweight comprising 1 basic slab of 22000 lbs and 3 slabs of 27500 lbs each, 2 lateral hang on slabs of 27500 lbs each.
<b>Telescopic boom</b>	1 base section and 5 telescopic sections. All telescopic sections extendable individually by means of the rapid-cycle telescoping system TELEMATIK. Boom length 51 ft to 236 ft.
<b>Electric system</b>	Modern data bus technique for the control of the electric and electronic components, 24 Volt DC, 2 batteries of 170 Ah each.

### Additional equipment

<b>Folding jibs</b>	Single folding jib, 40 ft long, for mounting on telescopic boom at 0°, 20° or 40°. Double folding jib, 40 ft to 72 ft long, for mounting on telescopic boom at 0°, 20° or 40°.
<b>Intermediate sections</b>	2 intermediate sections of 23 ft each for the extension of the biparted swing-away jib to 95 ft or 118 ft.
<b>Lattice jibs</b>	Fixed lattice jib 46 ft to 138 ft long, installation at 0°, 20° or 40°, luffing lattice jib 57 ft to 230 ft long.
<b>2<sup>nd</sup> hoist gear</b>	For 2-hook operation or for operating the luffing lattice jib.
<b>Additional counterweight</b>	2 additional lateral hang on slabs of 27500 lbs each for a total counterweight of 214900 lbs.
<b>Tyre equipment</b>	12 tyres, all axles with single tyres. Tyre size 20.5 R 25.
<b>Drive 12 x 8</b>	Axle 3 additionally driven.
<b>TELMA-type eddy current brake</b>	Fitted to the 4 <sup>th</sup> axle for increasing the sustained-action braking performance.

Other items of equipment available on request.

## Equipment Équipement

### Châssis porteur

<b>Châssis</b>	Fabrication Liebherr, construction en caisson indéformable, en acier à haute résistance à grains fins.
<b>Stabilisateurs</b>	Quatre poutres horizontales télescopiques, avec vérins hydrauliques de calage verticaux et patins. Les caissons de poutres de calage avants sont situés entre les essieux 2 et 3, et les caissons des poutres de calage arrières sont situés à l'arrière du châssis.
<b>Moteur</b>	Moteur diesel, 8 cylindres, fabriqué par Liebherr, de type D9508 A7, à refroidissement par eau, de 450 kW (612 ch) à 1900 rpm, couple max. 2095 lbs-ft à 1100 - 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: 141 gallons.
<b>Boîte de vitesse</b>	Boîte automatique avec convertisseur-embayage, marque ZF, type TC-TRONIC avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
<b>Essieux</b>	Essieux de la grue exempts d'entretien, les 6 essieux sont suspendus. Les essieux 1 à 3, 5 et 6 sont directeurs. Les essieux 1, 5 et 6 sont des essieux planétaires, entraînés, différentiel intermédiaire à l'essieu 5, tous les essieux moteurs sont munis de dispositifs de blocage du différentiel transversal.
<b>Arbres articulés</b>	Tous les arbres articulés à denture étagée de 70° et exempts d'entretien.
<b>Suspension</b>	Tous les essieux sont suspendus hydropneumatiquement avec mise à niveau et équilibrage entre essieux automatiques. Egalisation de la charge par essieu entre essieux 1 + 2, 3 + 4 et 5 + 6. Suspension blocable hydrauliquement.
<b>Pneumatiques</b>	12 roues à monte simple. Taille: 16.00 R 25
<b>Direction</b>	Direction semi-bloc ZF, à double circuit, assistée hydrauliquement, avec pompe auxiliaire entraînée par un essieu.
<b>Freins</b>	Frein de service: à double circuit assisté pneumatiquement, sur toutes les roues. Freins supplémentaires: frein à clapet d'échappement avec système de freinage supplémentaire Liebherr, ralentisseur dans la boîte automatique. Frein de secours et frein à main: par cylindres à ressorts sur les essieux 2 à 6.
<b>Cabine</b>	Cabine spacieuse, tôle d'acier, revêtue anticorrosion par bain de cataphorèse, suspendue sur silent blocs, vitrage de sécurité, tableau de bord complet.
<b>Installation électrique</b>	Technologie de bus de données moderne pour la commande des composants électriques et électroniques, courant continu 24 Volts, 2 batteries de 170 Ah chacune, éclairage conforme au code de la route.

### Partie tournante

<b>Châssis</b>	Construction mécanosoudée en tôle d'acier à haute résistance à grains fins. Re liée au porteur par une couronne d'orientation à 3 rangées de rouleaux. Rotation totale 360°.
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<b>Moteur</b>	Moteur diesel Liebherr, 4 cylindres, de type D934L A6, à refroidissement par eau, de 180 kW (245 ch) à 1800 min <sup>-1</sup> , couple max. 839 lbs-ft à 1500 min <sup>-1</sup> . Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 72 gallons.
<b>Entraînement</b>	Diesel hydraulique à 3 pompes à débit variable servo commandées à régulation de puissance.
<b>Commande</b>	2 leviers à 4 directions avec rappel automatique au point mort. Commande électronique via le dispositif LICCON. Commande des mouvements progressive en continu par variation de l'inclinaison des pompes et augmentation du régime moteur.
<b>Treuil</b>	Moteur hydraulique à cylindrée variable, treuil de marque Liebherr avec réducteur planétaire à frein d'arrêt à lamelles intégrées.
<b>Relevage de flèche</b>	1 vérin hydraulique différentiel avec clapet anti-retour de sécurité.
<b>Orientation</b>	Un moteur hydraulique, un réducteur planétaire, un pignon d'orientation et un frein à lamelles.
<b>Cabine de grue</b>	En tôle d'acier galvanisée, peinte par poudre polyester et cuisson au four, avec vitrage de sécurité, dotées de tous les éléments de contrôle et de commande, cabine inclinable vers l'arrière de 20°.
<b>Sécurités</b>	Contrôleur de charge LICCON, système test, fin de course crochet haut, clapets de sécurité en cas de ruptures de flexibles.
<b>Contrepoids</b>	159800 lbs, composé d'une plaque de base de 22000 lbs et 3 plaques de 27500 lbs unitaires, 2 blocs latéraux de suspension de 27500 lbs.
<b>Flèche télescopique</b>	Un élément de base et de 5 télescopes. Chaque partie peut être télescopée individuellement à l'aide du système de télescopage séquentiel rapide TELEMATIK. Longueur de flèche: 51 ft - 236 ft.
<b>Circuit électrique</b>	Technologie de bus de données moderne pour la commande des composants électriques et électroniques, courant continu 24 Volts, 2 batteries de 170 Ah chacune.

### Équipement supplémentaire

<b>Fléchettes pliante</b>	Fléchette pliante, 40 ft, pour le montage à la flèche télescopique à 0°, 20° ou 40°. Fléchette pliante double, 40 ft à 72 ft, pour montage à la flèche télescopique à 0°, 20° ou 40°.
<b>Éléments intermédiaires</b>	2 éléments intermédiaires de 23 ft de long pour l'allongement de la fléchette pliante double jusqu'à 95 ft resp. 118 ft.
<b>Fléchettes</b>	Fléchette fixe de 46 ft à 138 ft; montable à 0°, 20° ou 40° fléchette à volée variable de 57 ft à 230 ft.
<b>Deuxième treuil</b>	Pour le travail avec 2 crochets ou le relevage de la fléchette à volée variable.
<b>Contrepoids complémentaire</b>	2 blocs latéraux de suspension de 27500 lbs pour un contrepoids total de 214900 lbs.
<b>Pneumatiques</b>	12 fois, tous les essieux munis de roues simples. Taille 20.5 R 25.
<b>Entraînement 12 x 8</b>	3ème essieu est entraîné additionnellement.
<b>Frein Telma</b>	Monté sur le 4ème essieu pour augmenter la puissance de freinage continu.

Autres équipements supplémentaires sur demande.

## Remarks referring to load charts

1. The tabulated lifting capacities do not exceed 85% of the tipping load.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
3. The 85% overturning limit values take into account wind force 5 = wind speed 20 mph.
4. Lifting capacities are given in kips.
5. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centreline.
7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
8. Lifting capacities are subject to modifications.
9. Lifting capacities above 298 kips 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. Le poids des mouffes et crochets doit être soustrait des charges indiquées.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliable déposée.
8. Les forces de levage sont modifiables sans préavis.
9. Forces de levage plus de 298 kips seulement avec moufle additionnel/équipement supplémentaire.