

Product advantages mobile crane

LTM 1400-7.1

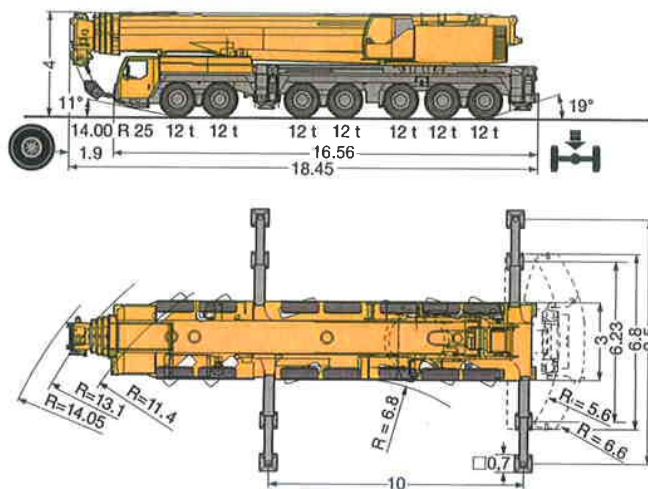
Max. load capacity: 400 t
Max. height under hook: 130 m
Max. radius: 100 m

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



maximcrane.com

LIEBHERR

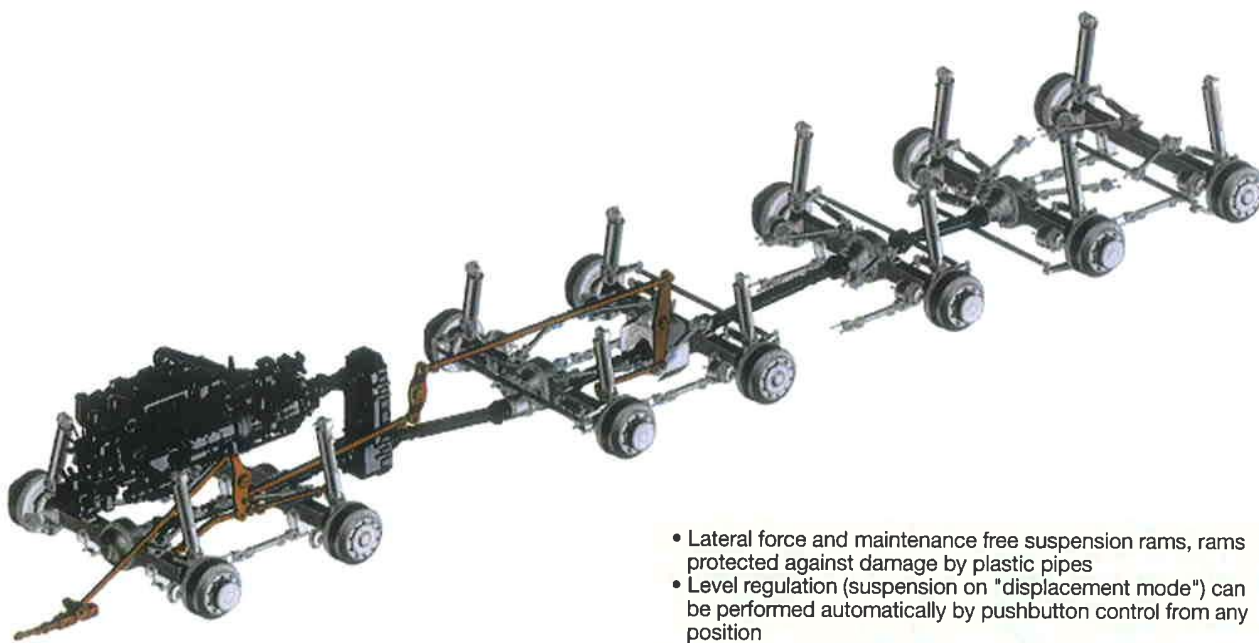


Compact, maneuverable and safe

- Overall length 18.45 m, carrier 16.56 m long
- Overhang angles, front up to 11°, rear up to 19°
- Smallest turning radius by active rear-axle steering, 13.6 m over carrier
- Drive 14 x 6, axles 1, 3 and 5 are driven
- Drive 14 x 8, axles 1, 3, 5 and 6 are driven; 6th axle activatable for off-road displacement
- Driving axles with differential locks for lateral blocking to increase the off-road quality
- Total weight 84 t, uniform axle load distribution (12 t) due to hydropneumatic suspension "Niveumatik"
- Telescopic boom guying system can technically be carried along by the crane
- For safe displacement, in addition to the service and parking brakes, retarder in the TC-TRONIC gear and exhaust retarder with Liebherr-additional braking system by valve control (ZBS) as standard features; TELMA eddy-current brake on the 4th axle (optional)

Modern drive concept

- Powerful, 8-cylinder Liebherr turbo-charged Diesel engine D9508 A7 of 450 kW/612 hp, exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3, robust and reliable, modern electronic controlled engine management
- 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
- 1-step, robust transfer case with transfer differential
- Weight-optimized, robust axles of minor maintenance, good track keeping due to special drag-links and precise lateral guidance; maintenance-free steering nuckles mounted on steel-armoured rubber
- Maintenance-free cardan shaft; simple and quick fitting due to 70° diagonal tooththing



- Lateral force and maintenance free suspension rams, rams protected against damage by plastic pipes
- Level regulation (suspension on "displacement mode") can be performed automatically by pushbutton control from any position
- Stable cornering ability of the crane due to cross-linkage of the hydropneumatic suspension
- Max. displacement speed 80 km/h, max. gradability 39 %

Variable steering concept with "active rear-axis steering"

Axles 4 – 7 provided for "active rear-axis steering", 6 steering methods are preselectable by fixed programs (P)

P1 Road displacement steering

Axles 1 – 3 are steered mechanically by means of the steering wheel with hydraulic assistance. Axles 4 and 5 are steered "actively", speed-dependent up to 30 km/h in relation to the degree of lock of the front axle, and set and blocked to straight displacement at over 30 km/h. Axles 6 and 7 are steered "actively", speed-dependent up to 60 km/h, in relation to the degree of lock of the front axles, and set electrohydraulically to straight displacement up to 60 km/h. The modification of the steering angle in dependence of the speed guarantees a precise and stable displacement quality and reduces the abrasion of the pneumatics.

P2 All-wheel steering

Axles 4 – 7 are locked in conformance with the steering angle of the 1st axle by means of the steering wheel to realize the smallest turning radii.

P3 Crab steering

Axles 4 – 7 are locked in the identical sense of axles 1 – 3 by means of the steering wheel. The raising of the axles is not necessary for crab steering as all axles are steered.

P4 Steering without swerving out

Axles 4 – 7 are locked in relation to the steering angle of the 1st axle to prevent any swerving out of the rear of the carrier.

P5 Manual crab steering

Axles 1 – 3 are steered by means of the steering wheel, axles 4 – 7 are steered independently from the steering lock of axles 1 – 3 by pushbuttons.

P6 Rear-axis steering blocked

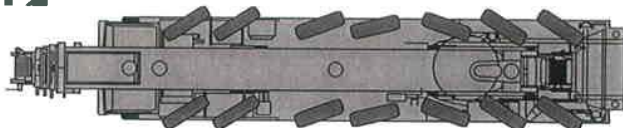
Axles 4 – 7 are not steerable.

- In case of a failure of the active rear-axis steering, it is rendered ineffective and the rear axles are set to straight travel by the centering rams
- Two independent hydraulic circuits with wheel and engine driven hydraulic pump, thus maximum safety standard
- Two independent steering processors (by existing E/A modules) and divergent sensory system
- The entire know-how for the "active rear-axis steering" by Liebherr

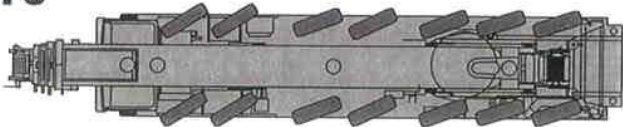
P1



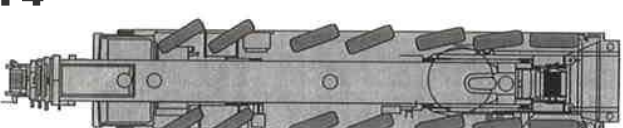
P2



P3



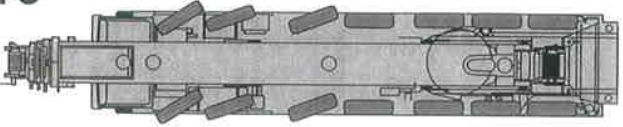
P4

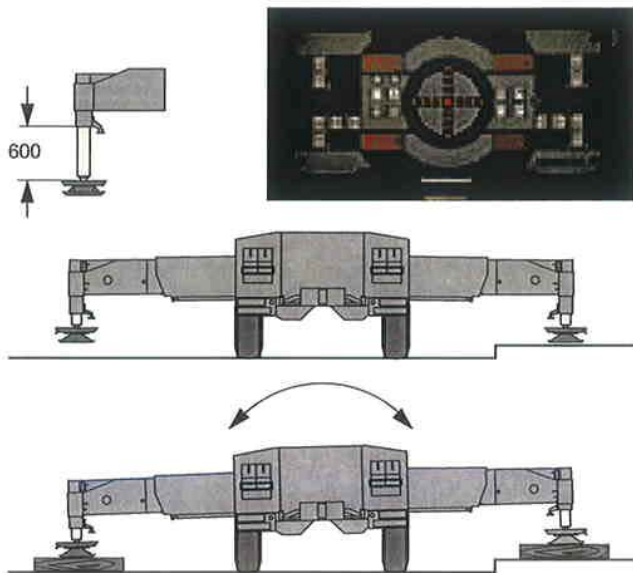


P5



P6





Setting crane on outriggers - quick, convenient and safe

- Supporting basis: 10 m x 9.5 m or 10 m x 6.23 m
- Fixed supporting pads with lateral compensation
- Supporting rams with 600 mm travel
- Level control of the outriggers, all-automatic levelling of the crane during the supporting procedure by "push-button control"
- 2 x 9° lateral inclination of the carrier, thus simple underlay of the supporting pads
- Inclinometer (electronic inclination indication), two displays on the carrier and a display on the LICCON monitor in the crane cab
- 2 supporting force indicators on the control panels on the carrier and on the LICCON display screen to indicate the supporting force on the supporting rams
- 4 projectors for the illumination of the supporting zone
- Axle locking (blocking of the suspension for the displacement with equipment) controllable from the driver's cab
- Operation of the outrigger system in accordance with the rules for the prevention of accidents



Comfortable driver's cab of outstanding functionality

- Modern driver's cab of outstanding functionality and convincing design. Corrosion resistant sheet steel version, cataphoretic dip-primed, front section mounted on shock absorbers, rear damped hydraulically, internal sound and heat absorbing panelling
- Safety glass all-round, greenish tinted front and side windows for heat insulation, electric window lifters
- 3 automatic windscreen washers/wipers with intermittent control
- Heated and electrically adjustable outer rear mirrors
- Air-cushioned driver's and co-driver's seat with headrests, driver's seat with pneumatic lumbar support
- Safety belts for driver's and co-driver's seat
- Height and inclination adjustable steering wheel
- Standardized, digital operating and control instruments arranged ergonomically for safe and convenient handling, arranged operator-friendly in a half-round shape
- Digital display and keyboard units interconnected with the functional blocks by data bus technology
- Additional heater with engine preheating



Comfortable crane cab of outstanding functionality

- Crane cab in corrosion-resistant, galvanized sheet steel version, powder-coated, with sound and heat insulating internal paneling, interior of modern design, tinted window panes all-round, front knockout window with large windscreen wiper and wish/wash device, skylight of bullet-proof glass with large parallel windscreen wiper and wish/wash device, roller blinds on front window and skylight, space-saving sliding door
- Greenish tinted front and side windows for heat absorption
- Pneumatic operated lateral foot board for safe access to and from the carrier
- Crane cab tiltable to the rear by 20° to improve the sight
- 1 working projector 70 Watt, at the cabin front



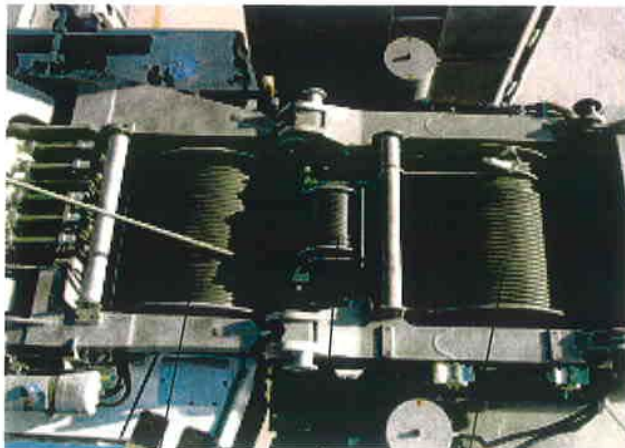
- Spring-mounted and hydraulically cushioned crane operator's seat with pneumatic lumbar support and headrest
- Operator-friendly armrest-integrated controls, vertically and horizontally adjustable master switch consoles and armrests, ergonomically adjustable operating consoles
- Ergonomical control levers with integrated winch and slewing indicators
- Modern instrument support with integrated LICCON monitor, display of all essential operating data on the LICCON display screen
- Additional heater with engine preheating





Crane drive with field-proven components

- Crane engine: 6-cylinder Liebherr turbo-charged Diesel engine type D936L A6 of 240 kW/326 h.p, exhaust gas emissions in accordance with the directives 97/68/EG stage 3 and EPA/CARB Tier 3, robust and reliable, electronic engine management, optimized fuel consumption, exhaust gas system of special steel
- Hydraulic system with 5 variable axial piston pumps with servo-control and capacity regulation, auxiliary pumps for central feeding and ventilator drive, electric driven oil cooler
- Standard high-efficiency noise absorption of the diesel-hydraulic crane drive

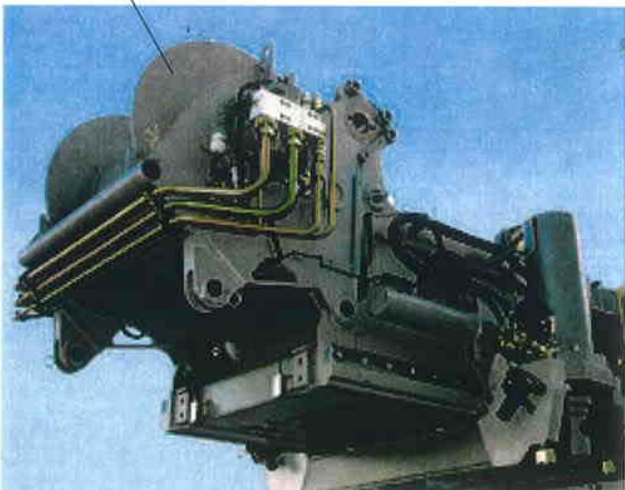


Winch 1

Auxiliary winch

Winch 2

Winch 3



Winch technology by Liebherr

- Self-manufactured Liebherr winches (1, 2 and 3) with special grooving, with incorporated planetary gears and spring-mounted multi-disk brakes as static brakes

Winch 1

main hoist gear

Winch 2

auxiliary hoist gear, required for 2-hook operation with luffing lattice jib

Winch 3

for variation of the luffing lattice jib

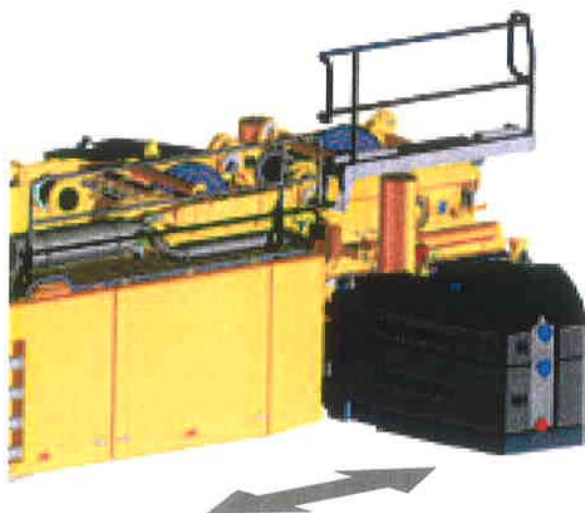
Auxiliary winch

for reeving of the hook block and for the erection of the lattice luffing jib

- Drive of the hoist gear within a "closed oil circuit", i.e. during lowering of the load, the oil motor is propping itself up on the variable displacement pump due to the closed oil circuit (hydraulic shaft). The potential energy is not converted into heat, but can be re-employed for an additional movement. Besides a saving in fuel, the hydraulic oil is less thermally exposed than in an "open oil circuit"
- Axial-piston variable displacement motor of own manufacture, specially laid out for crane operation, exposed to tough fatigue test and field-proven
- Display of the rotary motion of the winch on the LICCON display screen
- Non-rotating hoist rope, standard rotation absorber
- Video control of the winches (standard in conjunction with the jib variation winch)

Counterweight assembly - just a matter of minutes

- 140 t total counterweight, 100 t basic counterweight, 40 t additional counterweight
- Hydraulic ballasting device on the counterweight frame
- "60-t-package" of just 3 m transport width, mountable by one lift
- Hoist gear 2 fitted to the counterweight frame
- Jib variation winch (winch 3) to be pinned on the counterweight frame
- The counterweight radius can be reduced from 6.6 m to 5.6 m by the displacement of the entire counterweight
- Reeving winch (auxiliary winch) on the counterweight frame as standard equipment



Partial counterweight, radius 5.6 m



140 t total counterweight, radius 6.6 m



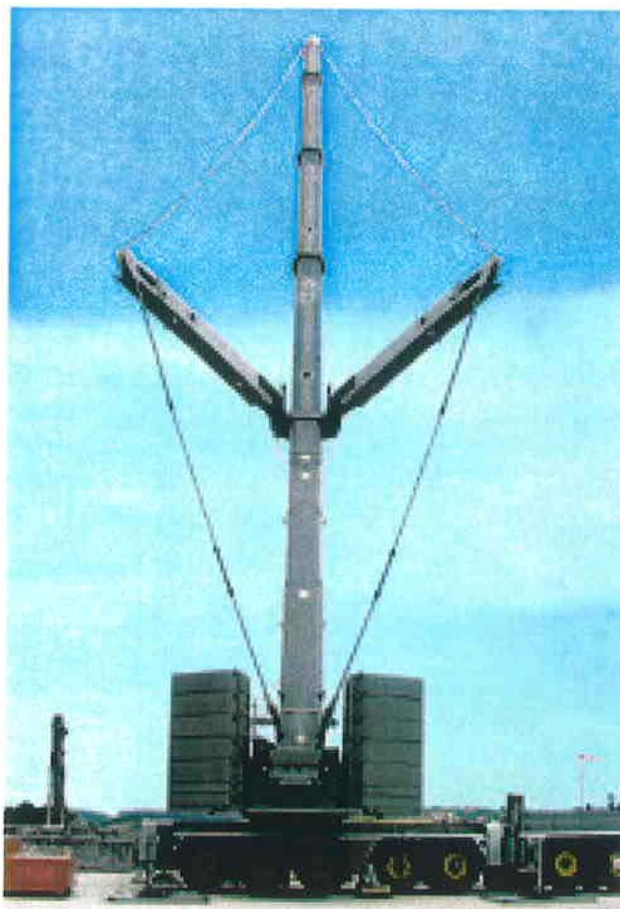
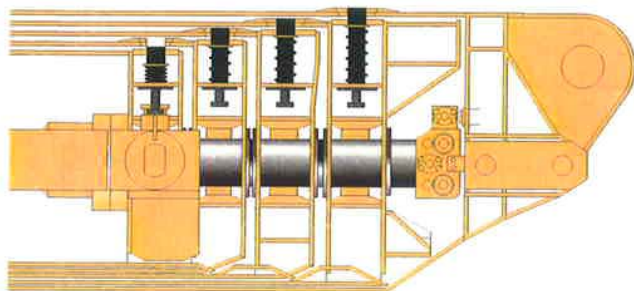
60 t-package with winch 3



Luffing jib mode, counterweight radius 5.6 m or 6.6 m

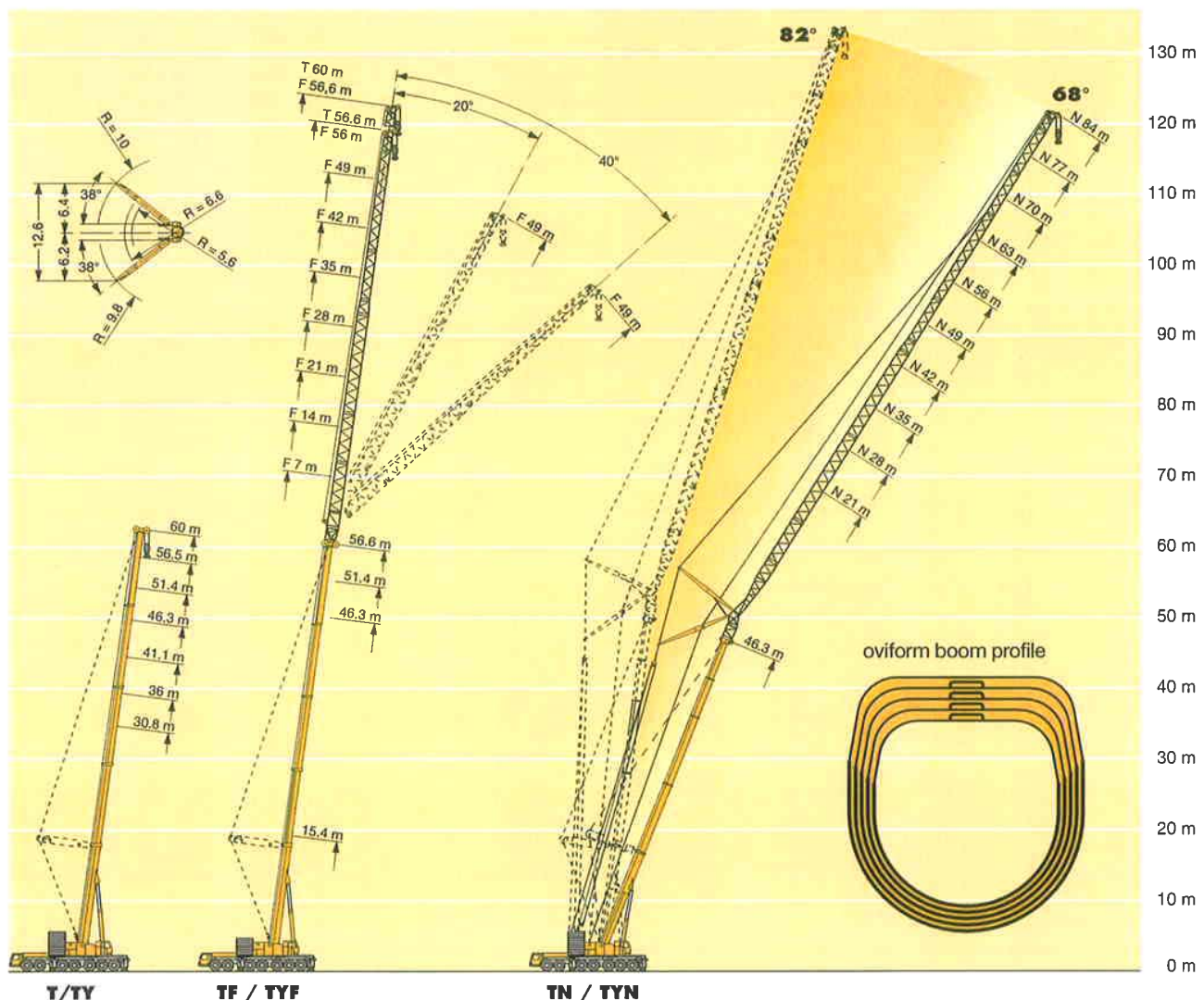
Outstanding boom technology

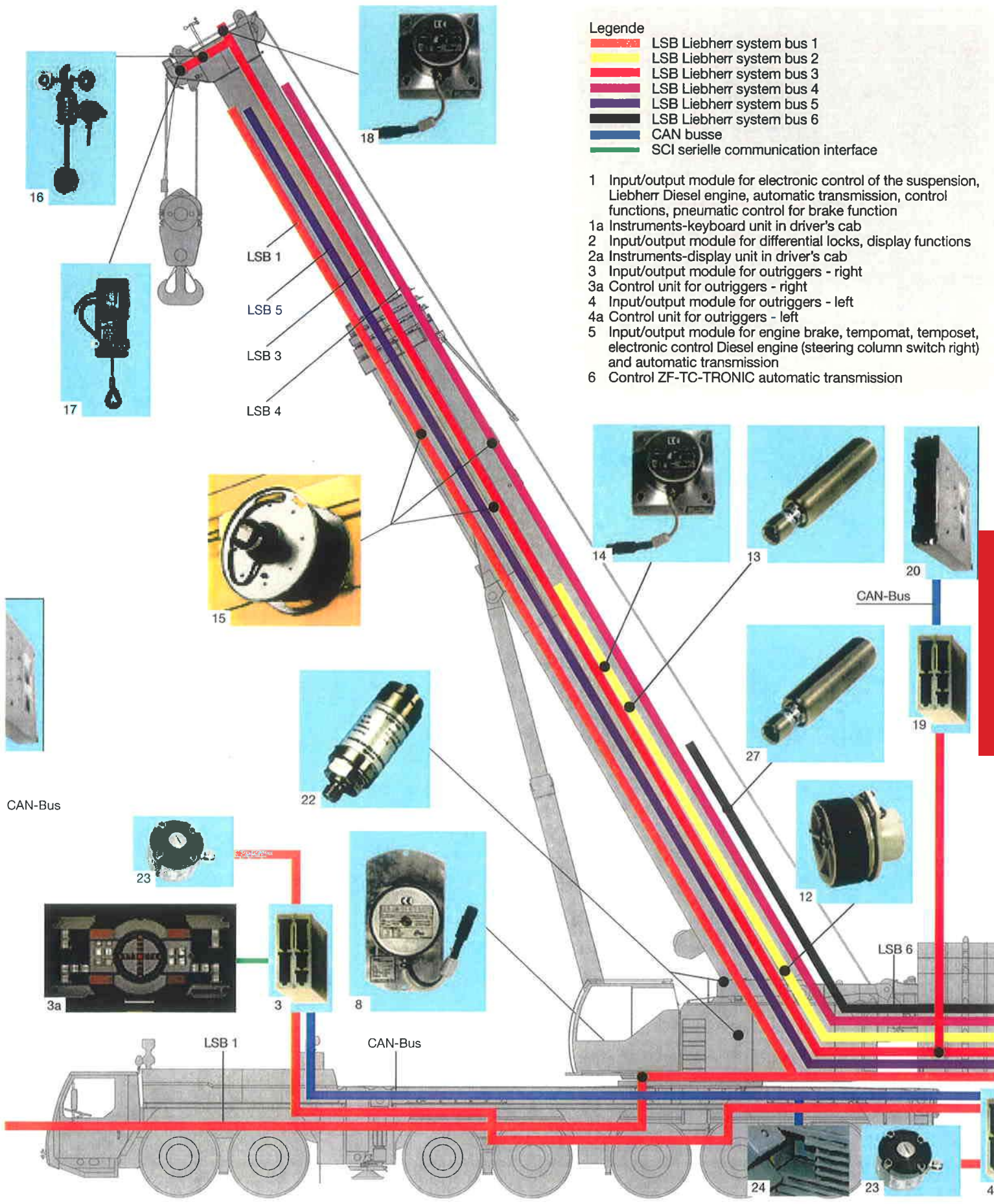
- 5-section, 60 m long telescopic boom in light-gauge design, weight-optimized by FEM processing
- Material stability with high safety factors by the application of ultra-high grain refined steels, boom bottom shell of S 1100 QL (1100 N/mm²)
- Optimated, oviform boom profile with continuous curvature in the bottom shell and upper offset joint, high stability against deflection for maximum load capacities
- Outstanding functionality of the boom system due to the automated, electronically controlled telescoping system "Telematik"
- Patented internal locking system of the telescopes – reliable and maintenance-free
- Optimal utilization of the telescopic boom due to a multitude of telescoping variants
- All telescopes are also telescopable under partial load
- Y-guying system for the telescopic boom for a distinctive increase of the load capacity
- The telescopic boom is always kept straight in its geometry, ineffect by lateral sun radiation or side wind. For that purpose, the stay ropes of the Y-guying system are wound onto two accumulator blocks on the Y-frames by two rope winches. Grips, pressed onto the stay ropes, define the rope lengths in relation to the telescopic boom lengths; limit switches control the positioning of the pressed-on grips; the stay ropes are locked to the pressed-on grips by means of tensioning rams in the Y-frames.
- Self-assembly of the Y-frames; carrier width/height with fitted and laterally hinged Y-guying system: 3.03 m/4.07 m



Multi variable boom configuration system

- Telescopic boom T, 15.4 m – 60 m
- Telescopic boom guying system TY, 5.25 m wide "spacer" for TYSF and TYSN mode
- Fixed lattice jib TF (TYSF), 7 m - 56 m, mountable at 0°, 20° or 40° on the 15.4 m – 60 m long telescopic boom
- Lattice luffing jib TN (TYSN), 14 m – 84 m, mountable on the 15.4 m – 56.4 m long telescopic boom
- Continuous load capacity interpolation during luffing of the boom configuration TN (TYSN) between 82° and 68° telescopic boom inclination
- Intermediate sections TF and TN equipment are identical, intermediate sections can be slid into one another for transportation
- Jib A-frames with T-adapter and N-base section form a complete mounting/transport unit and can be fitted with just 4 pins
- Easy-to-rig stay rods which remain on the intermediate sections during transportation
- Auxiliary winch on the counterweight frame for easy reeving of the hoist and luffing ropes
- Rigging of the jib can be performed in suspended condition on restricted sites
- Winch 2 for 2-hook operation on the lattice jib
- Winch 3 for jib variation. The variation winch forms one unit with the variation block. The variation rope remains reeved during transportation.





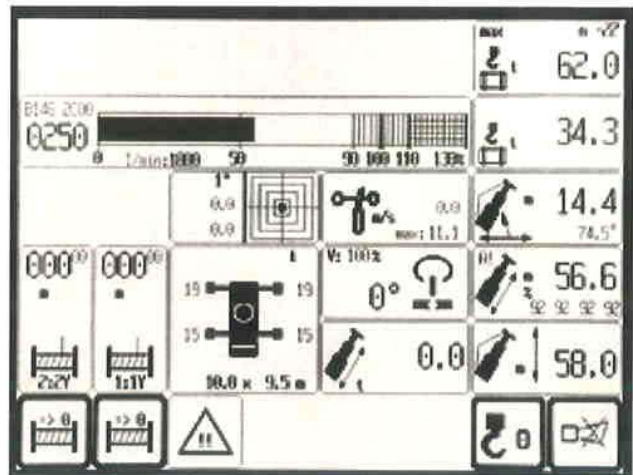
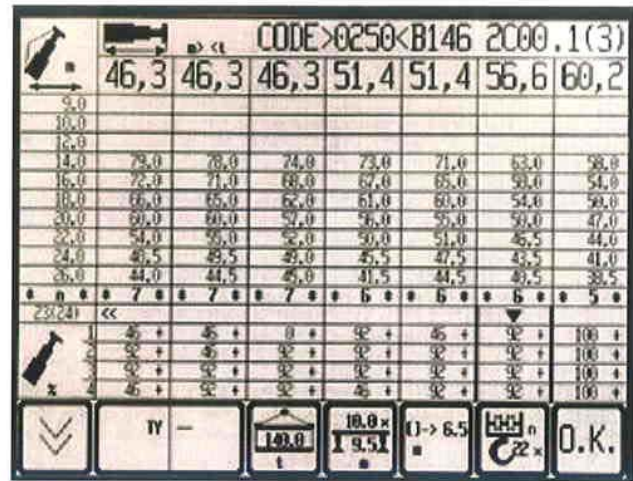
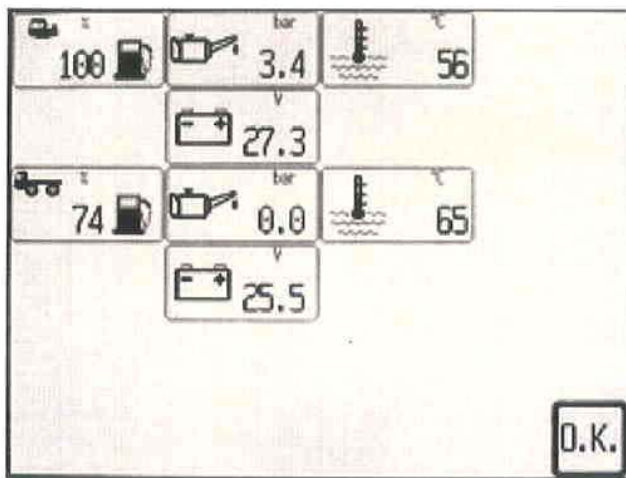
Legende

- LSB Liebherr system bus 1
- LSB Liebherr system bus 2
- LSB Liebherr system bus 3
- LSB Liebherr system bus 4
- LSB Liebherr system bus 5
- LSB Liebherr system bus 6
- CAN busse
- SCI serielle communication interface

- 1 Input/output module for electronic control of the suspension, Liebherr Diesel engine, automatic transmission, control functions, pneumatic control for brake function
- 1a Instruments-keyboard unit in driver's cab
- 2 Input/output module for differential locks, display functions
- 2a Instruments-display unit in driver's cab
- 3 Input/output module for outriggers - right
- 3a Control unit for outriggers - right
- 4 Input/output module for outriggers - left
- 4a Control unit for outriggers - left
- 5 Input/output module for engine brake, tempomat, temposet, electronic control Diesel engine (steering column switch right) and automatic transmission
- 6 Control ZF-TC-TRONIC automatic transmission

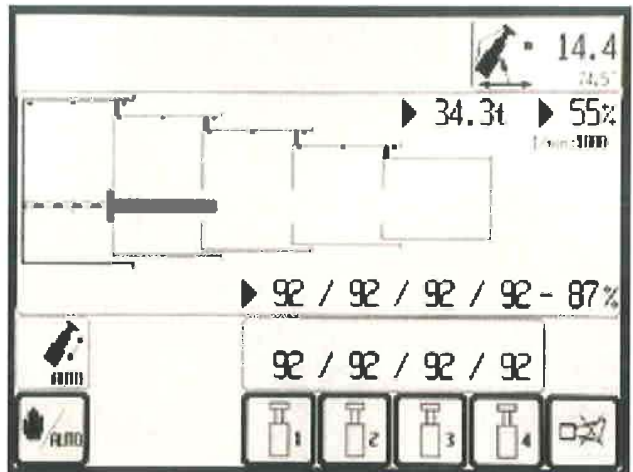
LICCON configuration and operating program

- Serial application programs: Safe load indicator (LMB), configuration program with configuration picture, operating program with operating picture, telescoping program with telescoping picture, supporting pressure indication, control parameter program, test system; optional extras: Work area limitation and the LICCON work planner
- Setting of the configuration by convenient interactive functions
- Safe and conscious acknowledgement of the adjusted configuration
- Representation of all essential data by graphic symbols on the operating picture
- With integrated wind speed measuring system
- Reliable cut-off device when exceeding the admissible load moments
- Load capacity values for any boom intermediate length
- Winch display for precise lifting/lowering of the load



LICCON-assisted telescoping system

- Telescoping by single-stage hydraulic ram with hydraulic driving tenons (patented internal locking system)
- Telescoping procedure controllable by convenient operator guide on the monitor, the interlocking positions are precisely approached
- Telescopic loads are displayed on the LICCON operating picture
- Rapid-cycle telescoping system with "automatic mode", i.e. all-automatic telescoping to the desired boom length
- Very compact and light-weight telescoping system, thus load capacity increases especially with long booms and at large radii
- Automatic cushioning of the telescopes in end positions during telescoping and retracting to preserve the structural members



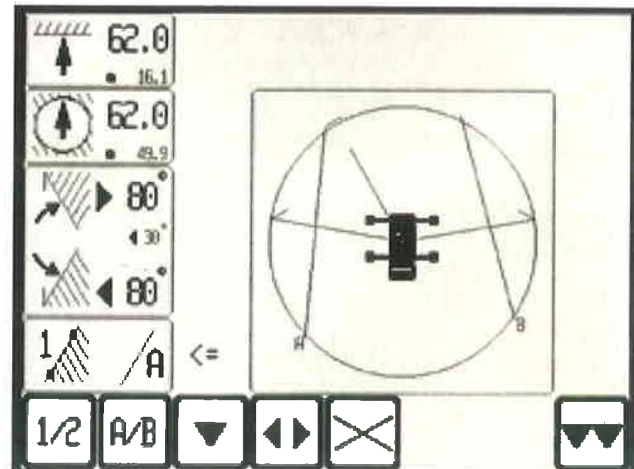
The LICCON test system

- The test system assists the servicing personnel in quickly localizing errors of the crane's sensory system without the need of measuring instruments
- The service starts at the display screen, trouble shooting becomes a matter of seconds
- Occurring errors are indicated by error codes and error descriptions on the display screen
- Convenient interactive functions permit the observation of all in and outputs of the general system by different representations on the monitor, even during crane operation. It also visualizes the allocation of the individual sensors and actuators to the system as well as their function on the display screen

SYSTEM-FUNKTION: REZING		GRUPP: 0	
DOCUMENTATION		D	I-SCILL I-EST
A 0.0 :	LMB >100%, Unterbrechung - Klingel (D)	1	500 - 520 m
A 0.1 :	LMB >90%, Vorwahl Klingel (D)	0	0 - 0 m
A 0.2 :	Pumpe 10 nach TV (D)	0	0 - 20 m
A 0.3 :	Druckverbindung Hilfsverbraucher (D)	0	0 - 20 m
A 0.4 :	Drehen Freilauf (D)	0	0 - 0 m
A 0.5 :	Drehen Brems (D)	0	0 - 0 m
A 0.6 :	Drehen rechts (D)	0	0 - 20 m
A 0.7 :	Drehen links (D)	0	0 - 20 m

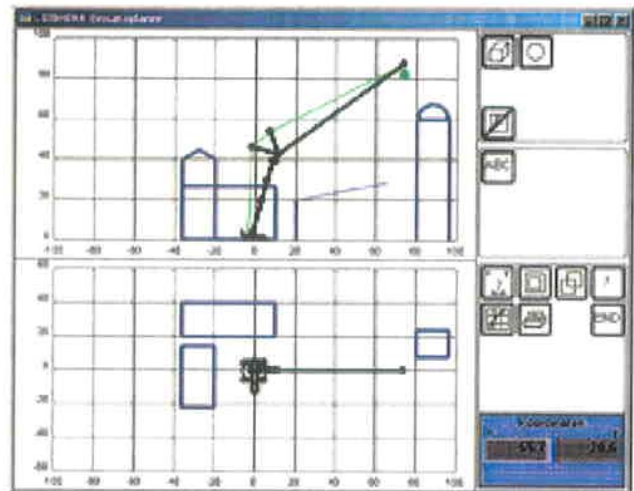
The LICCON work area limitation

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



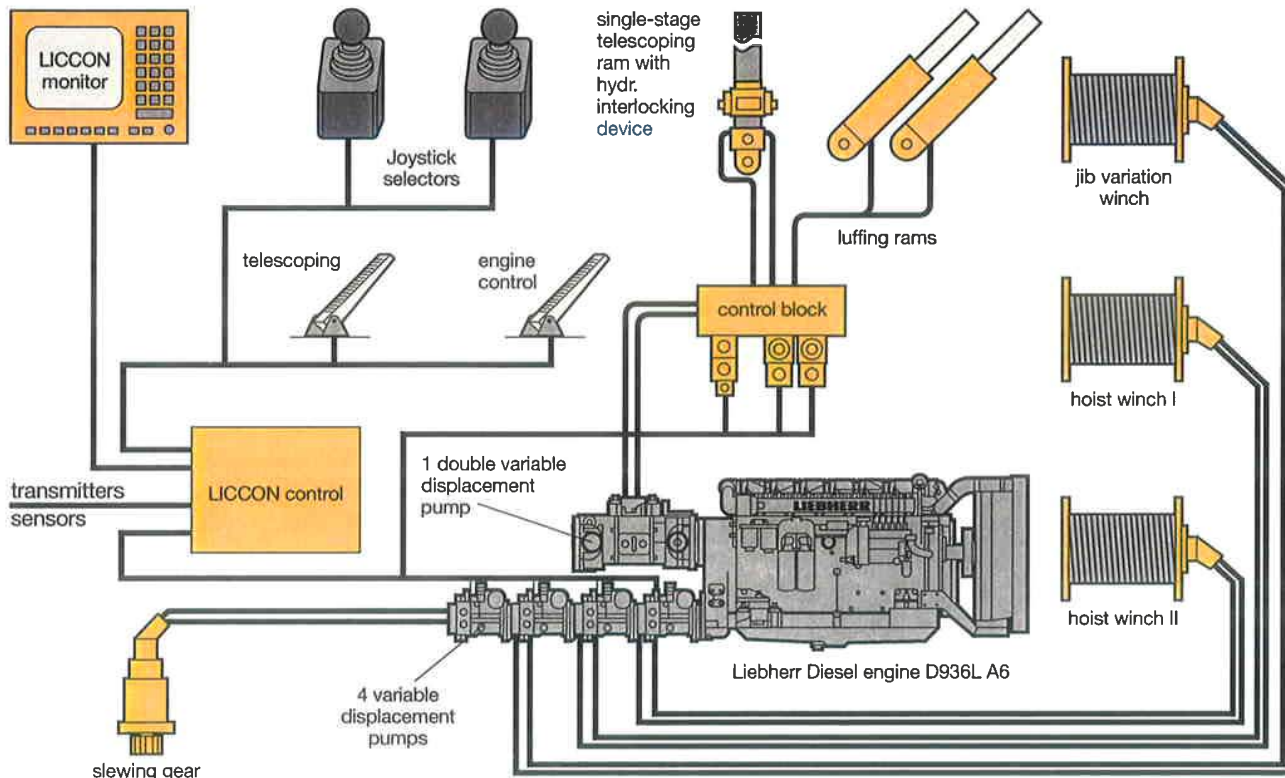
The LICCON work planner

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



Electric/electronic crane control with integrated safe load indicator

- Control of the winches, the slewing gear as well as the luffing and telescoping motions by the LICCON system (PLC control)
- Four working motions can be performed independent from one another
- Hoisting/lowering and luffing speeds are preselectable by 5 steps
- The luffing speed is controlled automatically in relation to the boom length
- Very short response rates at the activation of crane motions
- Joystick selectors with vibrating motion detectors
- Slewing motion continuously controllable from 0 – 1,5 min⁻¹, additionally 6 steps between 10 % and 100 % preselectable by the LICCON control
- Electrohydraulic interlocking system of the superstructure over front and over rear



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

On the carrier

- Eddy-current brake
- Outrigger control
- Rope box
- Air-conditioning system
- Radio preparation
- Seat heating for driver's and co-drivers seat
- 3rd seat
- Maneuvering coupling
- Fog lamps
- CD radio set

On the crane superstructure

- Air-conditioning system
- Seat heating
- Video control of the winches
- Work area limitation program
- Working projector Xenon on the telescopic boom base section
- GSM module for tele diagnostic
- CD radio set

Further optional features by request

Subject to technical modifications.

PN 146,01.E12.2005

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

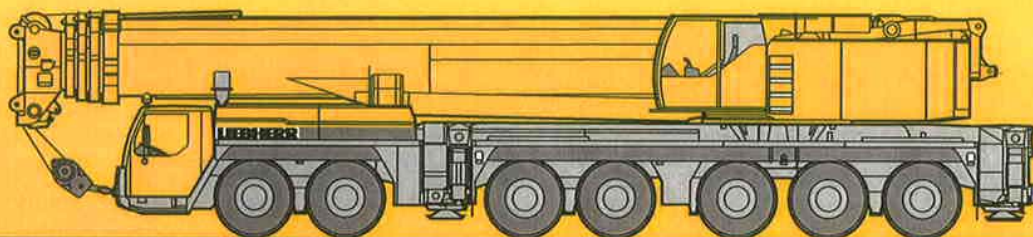
MAXIM
Crane Works, L.R.
1-877-MAX-LIFT

Mobile Crane Grue mobile

LTM 1400-7.1

Technical Data
Caractéristiques techniques

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



LIEBHERR

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

51 - 197 ft  360° 264600 lbs 85%											
ft	51 ft	67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
9	970										9
10	940										10
11	748										11
12	615										12
13	539										13
14	529										14
15	528										15
16	526										16
17	515										17
18	499										18
20	469										20
22	443	392	391	385							22
24	414	380	379	374	300	262					24
26	383	357	357	354	329	274	209	177			26
28	357	337	336	334	320	266	202	172	143		28
30	332	317	317	315	306	255	193	166	142		30
32	310	300	299	297	294	245	186	161	137	115	32
34	292	285	284	282	281	236	178	156	134	114	34
36	276	271	270	268	268	227	171	151	130	111	36
38	260	256	256	254	255	219	164	146	126	109	38
40			243	240	242	211	158	141	123	106	40
45			217	213	215	194	144	130	115	100	45
50			194	192	192	180	135	119	107	95	50
55			174	174	172	167	127	110	99.5	90	55
60				157	155	155	120	102	93	84.5	60
65				142	140	143	114	94	86.5	79.5	65
70				130	128	131	108	87.5	81	75	70
75					118	120	103	81.5	76	70.5	75
80					110	110	97.5	76.5	71.5	66.5	80
85					104	102	93	72.5	67	63	85
90					97.5	94.5	88.5	69.5	63	59.5	90
95						88	84.5	66.5	59.1	56.4	95
100						82	81	63.5	55.6	53.3	100
105							78	61	52.6	50.4	105
110							74	58.2	49.8	48	110
115							69.5	56.2	47.4	45.6	115
120							65.5	54.4	45.2	43.3	120
125								52.7	43.2	41.2	125
130								51.1	41.7	39.1	130
135								49.6	40.3	37.1	135
140								46.5	38.9	35.3	140
145									37.6	33.8	145
150									36.3	32.4	150
155									35.1	31.1	155
160										29.8	160
165										28.5	165
170										27.2	170
175										26	175
180											180
185											185
190											190

* over rear / en arrière

TAB 146426 / 146428

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 368 kips only with additional rope pulley.
10. Lifting capacities above 445 kips / 529 kips only with additional pulley block / special equipment.

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

51 – 197 ft												
360°												
220500 lbs												
85%												
ft	51 ft		67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	ft
9	970											9
10	940	529										10
11	748	529	445									11
12	615	529	445									12
13	539	529	445	445								13
14	529	519	445	445	379							14
15	528	506	445	445	379							15
16	525	489	445	445	379							16
17	514	473	442	440	379							17
18	498	457	437	432	379	318						18
20	466	425	424	415	377	316						20
22	429	397	397	392	365	302	225					22
24	394	372	371	369	351	289	220					24
26	363	348	347	346	334	277	210	177				26
28	337	327	326	325	320	266	202	172	143			28
30	313	307	307	305	305	255	193	166	142			30
32	293	290	289	287	288	245	186	161	137	115		32
34	276	274	274	271	273	236	178	156	134	114		34
36	260	259	260	257	259	227	171	151	130	111		36
38	245	245	246	242	244	219	164	146	126	109	94	38
40			233	229	231	211	158	141	123	106	93	40
45			205	204	203	194	144	130	115	100	88.5	45
50			183	181	179	179	135	119	107	95	83.5	50
55			164	161	159	162	127	110	99.5	90	79	55
60				145	143	145	120	102	93	84.5	75	60
65				131	132	131	114	94	86.5	79.5	71.5	65
70				122	121	119	108	87.5	81	75	67.5	70
75					111	109	103	81.5	76	70.5	64	75
80					102	99.5	97.5	76.5	71.5	66.5	60.5	80
85					94	91.5	93	72.5	67	63	57.3	85
90					87.5	85	87	69.5	63	59.5	54.6	90
95						79	81	66.5	59.1	56.4	51.9	95
100						74	75.5	63.5	55.6	53.3	49.2	100
105							70.5	61	52.6	50.4	46.6	105
110							66	58.2	49.8	48	44.2	110
115							61.5	56.2	47.4	45.6	42.1	115
120							57.8	54.4	45.2	43.3	40.1	120
125								52.7	43.2	41.2	38.3	125
130								51.1	41.7	39.1	36.6	130
135								48.7	40.3	37.1	34.9	135
140								45.4	38.9	35.3	33.3	140
145									37.6	33.8	31.7	145
150									36.3	32.4	30.2	150
155									35.1	31.1	29	155
160										29.8	28	160
165										28.5	26.9	165
170										27.2	25.8	170
175										26	24.8	175
180											23.8	180
185											22.3	185
190											19.4	190

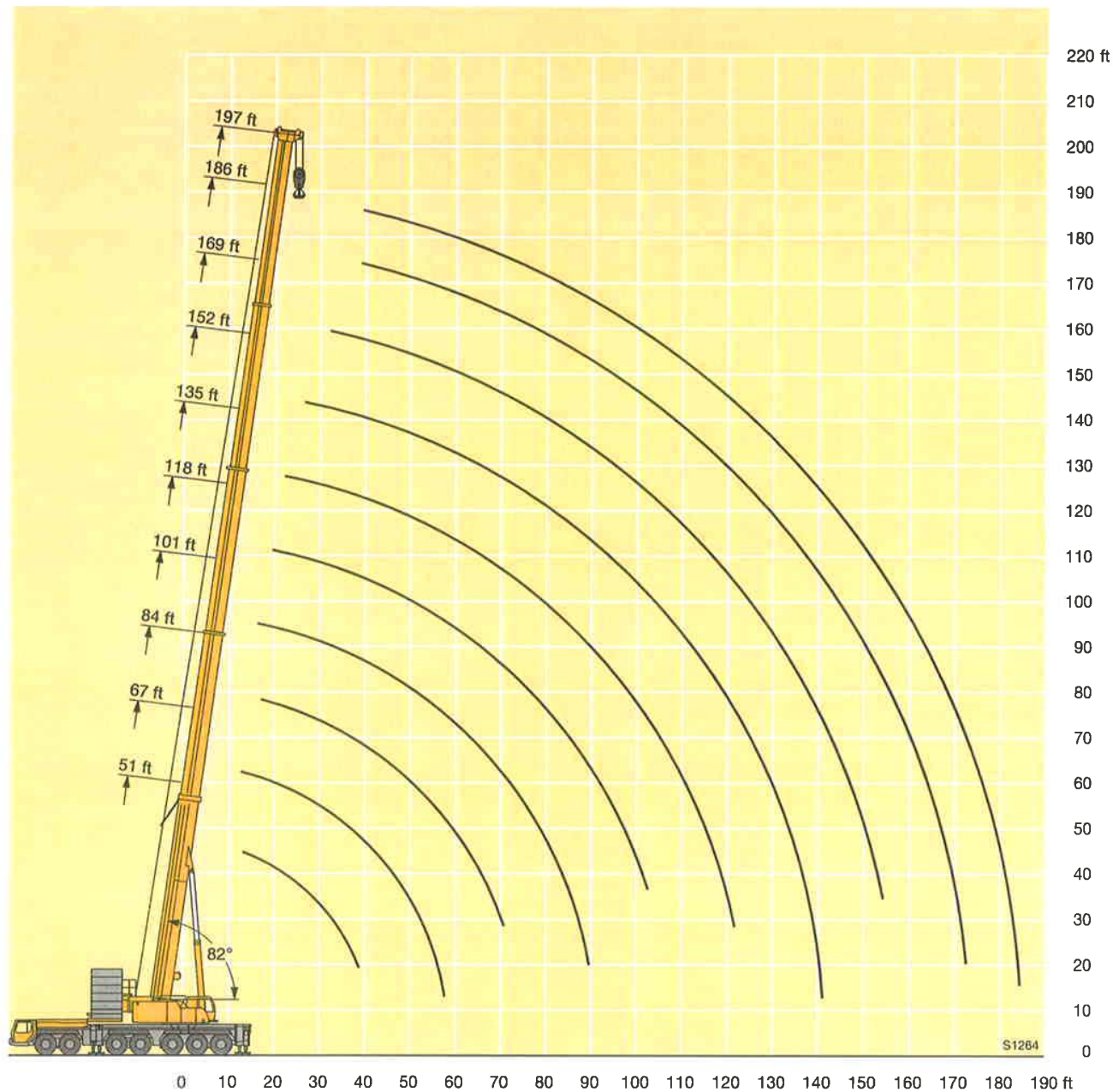
* over rear / en arrière

TAB 146427 / 146430

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 dépliée.
8. Les forces de levage sont modifiables sans préavis.
9. Les charges supérieures à 368 kips ne peuvent être levées qu'avec poulie supplémentaire.
10. Forces de levage plus de 445 kips / 529 kips seulement avec moufle additionnel / équipement supplémentaire.

Lifting heights Hauteurs de levage



maximcrane.com

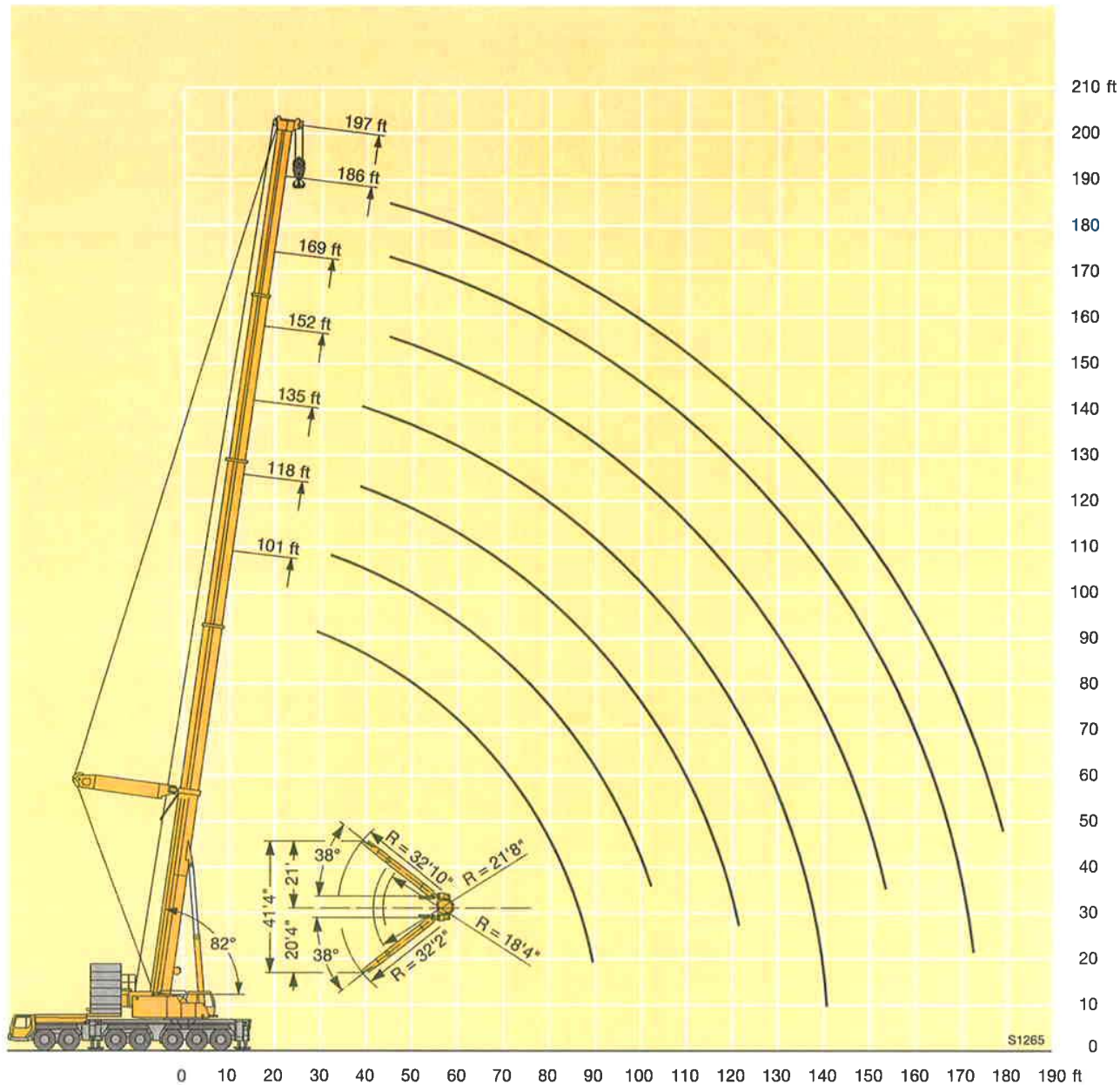
Lifting capacities on guyed telescopic boom Forces de levage à la flèche télescopique haubannée

101 - 197 ft 38° 360° 308600 lbs 85%															
ft	101 ft		118 ft		135 ft		152 ft		169 ft		186 ft		197 ft		ft
16	416														16
17	413														17
18	408		361												18
20	398		360												20
22	377		351		320										22
24	357		339		313										24
26	337		324		301										26
28	319		312		290		252								28
30	301	261	299		280		250								30
32	285	284	285	251	270		242		211						32
34	270	286	272	251	260		234		207						34
36	257	273	259	251	250		227		201						36
38	244	261	246	251	240		220	215	195		166		152		38
40	231	249	234	248	230	213	213	213	190		164		151		40
45	205	223	209	224	207	216	195	195	178	176	154	153	142	141	45
50	184	200	188	203	188	200	181	181	167	167	146	146	135	135	50
55	166	180	169	184	170	182	167	169	157	157	137	137	128	128	55
60	152	163	153	167	154	166	153	158	146	147	130	130	121	121	60
65	139	148	139	152	140	153	140	148	135	137	123	123	115	115	65
70	127	138	127	140	128	141	128	138	126	128	116	116	109	109	70
75	116	128	117	129	118	130	118	129	117	120	110	110	104	104	75
80	106	118	107	118	108	119	108	119	108	114	104	104	98.5	98.5	80
85	98	108	99	109	100	110	100	110	99.5	108	98	98.5	93.5	93.5	85
90	90.5	99	91.5	102	92.5	103	92.5	103	92	102	91	94	89	89	90
95			85	94.5	86	95.5	86	95.5	85.5	95	84.5	89.5	84	85	95
100			79	88	80	89	80	89	79.5	88.5	78.5	85.5	78.5	81.5	100
105					74.5	83	74.5	83	74	82.5	72.5	81.5	73	78	105
110					69.5	78	69.5	78	69	77.5	68	76	68	74.5	110
115					65	73	65	73	64.5	72.5	63.5	71.5	63.5	71	115
120					61	68.5	61	68.5	60	68	59.1	67	59.4	67	120
125							56.9	64.5	56.4	64	55.3	62.5	55.5	63	125
130							53.4	60.5	52.9	60	51.8	58.9	52.1	59.1	130
135							50.2	57.1	49.7	56.6	48.6	55.4	48.8	55.6	135
140							43.9	48.3	46.7	53.3	45.6	52.2	45.8	52.4	140
145									44	50.3	42.8	49.1	43	49.4	145
150									41.4	47.6	40.2	46.3	40.4	46.6	150
155									39.1	44.6	37.8	43.7	38	44	155
160											35.5	41.3	35.8	41.5	160
165											33.4	39	33.6	39.2	165
170											31.4	36.8	31.6	37.1	170
175											26.5	28.3	29.7	35.1	175
180													28	33.2	180

* ballast retracted / contrepoids rétracté

TAB 146439 / 146434

Lifting heights Hauteurs de levage



maximcrane.com

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

[illegible]

TAB 146444 / 146450 / 146456

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

[illegible]

TAB 146444 / 146450 / 146456

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

		169 ft			23 - 184 ft			360°			264600 lbs			85%										
		169 ft + 8 ft*																						
		23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
38	ft	88.5																					38	
40		88																					40	
45		84	61		69.5																		45	
50		80.5	58.8	43.1	67			53.8			41.1												50	
55		76.5	56.4	42.7	64.5	47.7		52.9			40.6												55	
60		72.5	54.3	41.8	61	47.4		51.2			39.6			31									60	
65		68.5	52.4	40.9	58.2	45.6		49.2			38.7			30		23.9							65	
70		65	50.7	40.2	55.7	44	32.9	47.3			37.5			29.2		23.3			17.9				70	
75		61	49.1	39.6	53.2	42.6	32.5	45.5	38.8		36.3			28.3		22.6			17.6			13.1	75	
80		57.6	47.6	39	50.8	41.3	31.9	43.7	38.6		35.2			27.3		22			17.1			13	80	
85		54.2	46.1	38.4	48.3	40	31.4	41.9	37.8		34.2			26.4		21.3			16.6			12.6	85	
90		51.3	44.8	37.9	46	38.9	30.9	40.2	36.9	30.3	33.3	26.7		25.6		20.6			16.1			12.1	90	
95		48.6	43.6	37.4	43.7	37.8	30.4	38.5	35.8	30	32.3	26.3		24.8		19.9			15.5			11.6	95	
100		46	42.7	37	41.5	36.8	30	36.8	34.5	29.6	31.3	25.8		24	18.7	19.2			15			11.2	100	
105		43.5	41.7	36.8	39.4	35.8	29.6	35.2	33.3	29.3	30.1	25.2		23.3	18.7	18.6			14.4			10.8	105	
110		41.2	40.8	36.6	37.4	35	29.2	33.7	32.1	29	29	24.7	20.3	22.6	18.3	18			14			10.4	110	
115		39	39.1	36.5	35.5	34.3	28.9	32.3	31	28.7	28	24.2	20.1	21.9	17.8	17.4	13.1		13.5			10.1	115	
120		36.8	37	36.2	33.7	33.6	28.7	30.8	30	28.4	26.9	23.7	19.9	21.3	17.4	16.8	13		13			9.7	120	
125		34.6	35	35.7	32	32.8	28.5	29.3	29	27.8	25.9	23.2	19.6	20.7	17	16.3	12.6		12.6			9.4	125	
130		32.5	33	33.8	30.3	31.2	28.4	28	27.9	27	24.9	22.8	19.4	20.1	16.6	13.8	15.8	12.3	12.2	9.3		9.1	130	
135		30.8	31.3	31.9	28.7	29.7	28.2	26.6	26.8	26.2	23.8	22.3	19.1	19.6	16.2	13.6	15.3	12	11.7	9.1		8.7	135	
140		29.3	29.7	30.1	27.1	28.1	27.9	25.3	25.7	25.5	22.7	21.7	18.9	19.1	15.9	13.4	14.9	11.7	11.3	8.9		8.5	140	
145		27.9	28.2	28.4	25.6	26.7	27.3	24	24.7	24.7	21.6	21.1	18.7	18.6	15.5	13.2	14.5	11.5	11	8.6		8.2	145	
150		26.5	26.8	26.9	24.5	25.3	25.9	22.8	23.7	23.7	20.6	20.4	18.6	18	15.1	13	14.1	11.2	9.4	10.7	8.4	7.9	150	
155		25.2	25.4	25.4	23.4	24.1	24.6	21.6	22.6	22.8	19.6	19.8	18.5	17.4	14.9	12.9	13.8	11	9.3	10.4	8.2	7.6	155	
160		24.2	24.3	24	22.2	23	23.5	20.4	21.4	22	18.6	19.1	18.4	16.7	14.7	12.7	13.4	10.7	9.2	10.1	8	7.4	160	
165		23.2	23.4		21.2	21.9	22.3	19.3	20.3	21.1	17.6	18.5	18.2	15.9	14.4	12.5	13.1	10.5	9.1	9.9	7.8	7.1	165	
170		22.3	22.5		20.1	20.8	21.1	18.6	19.2	20.3	16.6	17.7	17.7	15.1	14.2	12.5	12.7	10.3	8.9	9.6	7.6	6.2	6.9	170
175		21.3	21.6		19.1	19.7	19.9	17.8	18.4	19.4	15.7	17	17.2	14.4	14	12.4	12.4	10.2	8.8	9.4	7.4	6.1	6.6	175
180		20.5	20.7		18.1	18.7	18.7	17	17.5	18.4	14.9	16.3	16.6	13.6	13.8	12.4	12.1	10	8.7	9.1	7.2	6	6.4	180
185		19.6			17.2	17.6		16.3	16.8	17.5	14.3	15.6	16	12.9	13.5	12.3	11.8	9.9	8.6	8.9	7.1	5.9	6.2	185
190		18.8			16.4	16.6		15.5	16	16.6	13.8	14.8	15.3	12.1	13	12.3	11.5	9.7	8.5	8.7	7	5.8	6	190
195					15.7	15.9		14.7	15.2	15.7	13.2	14.1	14.8	11.4	12.6	12.2	11	9.6	8.5	8.5	6.8	5.7	5.8	195
200					15	15.3		14	14.4	14.8	12.6	13.5	14.2	10.9	12.1	12.1	10.4	9.4	8.5	8.3	6.7	5.6	5.6	200
205					14.4			13.3	13.6	13.9	12	12.9	13.5	10.4	11.6	11.9	9.8	9.3	8.4	8.1	6.6	5.6	5.4	205
210								12.6	12.9		11.5	12.3	12.8	10	11.2	11.6	9.3	9.2	8.4	7.9	6.5	5.5	5.3	210
215								12	12.1		10.9	11.7	12.2	9.6	10.7	11.2	8.9	9	8.4	7.5	6.3	5.5	5.1	215
220								11.5	11.4		10.4	11.1	11.5	9.2	10.2	10.8	8.5	8.9	8.3	7.1	6.2	5.5	4.9	220
225								11			9.8	10.5	10.8	8.8	9.7	10.3	8.1	8.7	8.3	6.7	6.1	5.4	4.7	225
230											9.3	10		8.4	9.2	9.8	7.7	8.5	8.2	6.2	6	5.4	4.5	230
235											8.8	9.3		7.9	8.8	9.2	7.3	8.2	8.2	5.8	5.9	5.4	4.2	235
240											8.3	8.8		7.5	8.3	8.7	6.9	7.8	8.1	5.4	5.8	5.3	3.8	240
245											7.9	8.2		7.1	7.9	8.2	6.4	7.4	8	5	5.7	5.2		245
250														6.7	7.4		6	7	7.6	4.6	5.6	5.2		250
255														6.2	6.9		5.6	6.6	7.2	4.2	5.6	5.2		255
260														5.9	6.4		5.2	6.1	6.7	3.9	5.2	5.2		260
265														5.6	6		4.7	5.7	6.3	3.5	4.8	5.2		265
270														5.3			4.3	5.2	5.7		4.4	5.1		270
275														5			3.9	4.8	5.1		4	4.8		275
280																	3.5	4.3			3.6	4.3		280
285																	3.1	3.8						285
290																	2.8	3.2						290
295																	2.5	2.7						295

* adapter / pièce d'adaptateur

TAB 146444 / 146450 / 146456

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

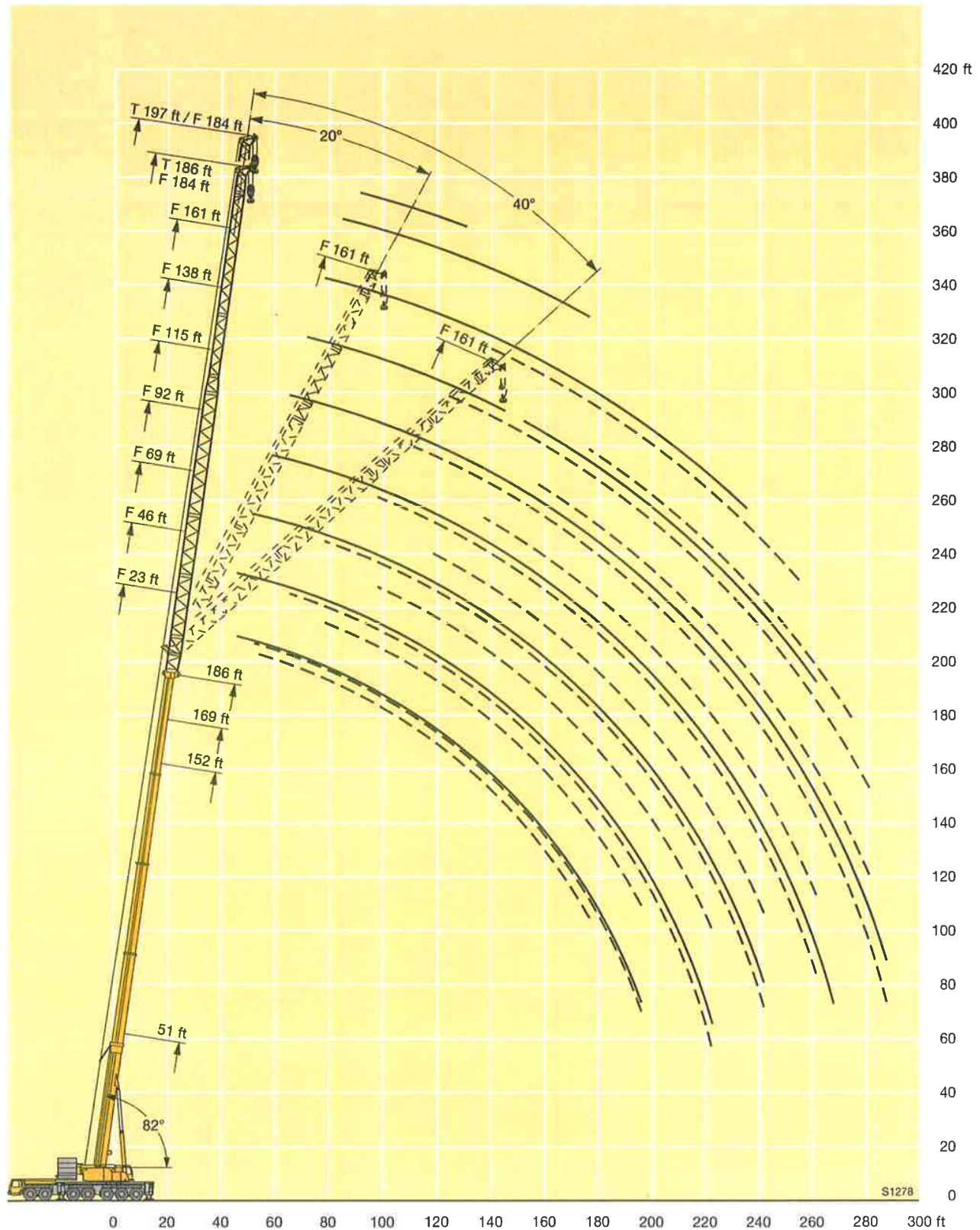


 ft	186 ft + 8 ft*																								197 + 8 ft*	 ft	
	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft	184 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
45	71			56.2																							45
50	69	58.7	42.9	55			44.1																				50
55	66	57.6	42.5	53.4			43.4			34.5																	55
60	62.5	55.5	41.6	51.7			42.1			34.3																	60
65	59.6	53.5	40.9	49.7	44.3		40.8			33.2			26.4														65
70	56.9	51.8	40.2	47.6	43.1		39.3			32.2			25.9			20											70
75	54.3	50.3	39.6	45.7	41.8	31.8	37.9	33.4		31.2			25.3			19.8			15								75
80	51.6	48.9	39.1	43.9	40.5	31.6	36.5	33.1		30			24.7			19.3			14.9								80
85	49.1	47.5	38.6	42.2	39.4	31.1	35.1	32		28.9			24			18.9			14.5			10.7					85
90	46.7	45.8	38.1	40.5	38.3	30.7	33.8	31		27.9			23.2			18.3			14.1			10.5	9.2				90
95	44.3	43.8	37.6	38.8	37	30.3	32.5	29.9	26.2	27	23.3		22.4			17.7			13.6			10.2	9				95
100	42	41.8	37.2	37.1	35.7	29.9	31.3	29	26	26	23.1		21.6			17.2			13.2			9.9	8.7				100
105	39.9	40	36.7	35.5	34.3	29.6	30.1	28.1	25.2	25	22.3		20.8			16.7			12.8			9.5	8.2				105
110	37.9	38.3	36.6	34	33.1	29.3	29	27.2	24.6	24.1	21.6		20	17.1		16.2			12.4			9.2	7.9				110
115	35.9	36.4	36.1	32.5	31.9	28.9	28	26.4	24	23.2	20.9	18.5	19.3	16.8		15.8			12.1			8.9	7.5				115
120	34.1	34.6	35	31.1	30.7	28.6	26.9	25.5	23.3	22.3	20.3	18.3	18.6	16.4		15.3	11.9		11.7			8.6	7.2				120
125	32.3	32.9	33.2	29.6	29.4	28.3	26	24.6	22.8	21.5	19.6	17.8	17.9	15.8		14.9	11.9		11.4			8.3	6.8				125
130	30.5	31.2	31.5	28.1	28.2	28.2	25	23.8	22.2	20.7	19	17.3	17.2	15.3		14.3	11.6		11.1			8	6.5				130
135	28.9	29.6	29.9	26.7	27.1	27.3	24	23	21.7	19.9	18.4	16.9	16.6	14.8	13.1	13.8	11.4		10.8	8.4		7.7	6.2				135
140	27.4	28	28.4	25.4	26	26.2	22.9	22.3	21.2	19.2	17.9	16.5	16	14.3	12.9	13.2	11.1		10.5	8.3		7.5					140
145	26.2	26.5	26.9	24.1	24.8	25.2	21.8	21.5	20.7	18.5	17.3	16	15.4	13.8	12.6	12.7	10.9		10.2	8.1		7.2					145
150	25	25.4	25.6	22.8	23.6	24.2	20.7	20.8	20.3	17.8	16.8	15.6	14.9	13.4	12.3	12.3	10.7		9.9	7.9		7					150
155	23.8	24.3	24.4	21.6	22.4	23	19.7	20.2	19.8	17.2	16.4	15.2	14.4	13	12	11.9	10.5	8.9	9.5	7.7		6.8					155
160	22.7	23.1	23.1	20.6	21.2	21.8	18.7	19.5	19.3	16.5	15.9	14.9	13.9	12.6	11.7	11.5	10.3	8.9	9.2	7.6		6.5					160
165	21.5	21.9	21.9	19.7	20.1	20.7	17.7	18.7	18.7	15.9	15.4	14.5	13.4	12.2	11.4	11.1	10	8.8	8.8	7.4		6.2					165
170	20.4	20.8	20.7	18.9	19.1	19.7	16.7	17.9	18.1	15.1	14.9	14.2	12.9	11.9	11.1	10.7	9.7	8.7	8.4	7.2		5.9					170
175	19.3	19.7	19.5	18.1	18.2	18.8	16	16.9	17.4	14.3	14.4	13.9	12.4	11.6	10.8	10.3	9.4	8.6	8.1	7	5.8	5.6					175
180	18.3	18.7		17.3	17.2	17.8	15.4	16	16.7	13.5	13.9	13.6	12	11.3	10.6	10	9.1	8.4	7.7	6.9	5.8	5.3					180
185	17.3	17.7		16.5	16.4	16.9	14.7	15.2	16.1	12.8	13.5	13.3	11.5	11	10.4	9.6	8.9	8.2	7.4	6.7	5.7	5					185
190	16.3	16.7		15.7	15.6	16	14.1	14.6	15.5	12	13	13.1	11.1	10.8	10.2	9.3	8.7	8	7.1	6.6	5.6	4.7					190
195	15.3	15.7		15	14.7	15	13.5	13.9	14.7	11.5	12.5	12.7	10.7	10.5	10	9	8.4	7.8	6.8	6.4	5.5						195
200				14.2	13.9		12.9	13.3	14	11.1	12.1	12.3	10.2	10.2	9.8	8.7	8.2	7.6	6.5	6.2	5.5						200
205				13.4	13.2		12.4	12.7	13.3	10.6	11.7	12	9.7	9.9	9.6	8.3	7.9	7.5	6.2	5.9	5.4						205
210				12.7	12.5		11.8	12.1	12.6	10.2	11.1	11.6	9.2	9.5	9.4	8	7.7	7.3	5.9	5.7	5.3						210
215				12	11.8		11.2	11.6	11.9	9.7	10.6	11.2	8.8	9.2	9.2	7.6	7.5	7.1	5.6	5.5	5.3						215
220				11.3	11.1		10.6	11	11.3	9.3	10.1	10.7	8.4	9	9	7.2	7.3	7	5.3	5.3	5.1						220
225							10	10.4		8.9	9.7	10.1	8	8.7	8.9	6.8	7.1	6.8	5	5.1	5						225
230							9.5	9.8		8.5	9.2	9.6	7.6	8.4	8.7	6.3	6.9	6.7	4.8	4.9	4.8						230
235							8.9	9.2		8.1	8.7	9	7.3	8	8.5	5.9	6.6	6.5	4.5	4.7	4.6						235
240							8.4	8.6		7.6	8.3	8.5	6.8	7.6	8.1	5.5	6.4	6.4	4.1	4.5	4.5						240
245										7.2	7.8		6.4	7.2	7.7	5.1	6.2	6.2		4.3	4.3						245
250										6.8	7.3		6	6.8	7.2	4.8	6	6.2		4.1	4.1						250
255										6.4	6.8		5.6	6.4	6.7	4.4	5.6	6.1		3.9	4						255
260										5.9	6.4		5.1	5.9	6.2	4	5.1	5.9		3.7	3.9						260
265										5.5			4.7	5.4		3.6	4.7	5.5		3.5	3.8						265
270													4.2	5			4.3	5			3.7						270
275													3.8	4.5			3.9	4.5			3.6						275
280													3.4	4			3.5	3.9			3.4						280
285													3	3.5													285

* adapter / pièce d'adaptateur

TAB 146444 / 146450 / 146456

Hubhöhen Lifting heights



Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubannée

																								
152 ft + 8 ft*																								
ft	23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft		ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°		
38	119			99																			38	
40	117			98.5																			40	
45	109	62.5		92			75			56.6													45	
50	102	60		87			72.5			54.6			42.1										50	
55	96	57.7	42.8	82	51.4		69.5			52.2			41.3			31.7							55	
60	90	55.4	41.9	77.5	49.3		66.5			50.1			39.6			31.5							60	
65	85	53.3	41	73	47.4	34.4	63	47.1		48.2			38.1			30.3			24.7				65	
70	80	51.4	40.3	68.5	45.7	33.7	59.5	45.9		46.4			36.6			29.1			23.8			18.7	70	
75	74.5	49.6	39.6	64.5	44.1	33	56.2	44.7		44.7	32.1		35.2			28			22.9			18.3	75	
80	69.5	48	38.9	61	42.6	32.3	53.2	43.4	32.5	43.1	31.8		33.9			26.9			22			17.6	80	
85	65.5	46.6	38.3	57.6	41.2	31.7	50.5	42.2	31.8	41.5	30.9		32.7			25.8			21.2			16.8	85	
90	62	45.3	37.7	54.4	39.9	31.2	48	40.9	31.1	39.9	30		31.5	23.2		24.9			20.4			16.2	90	
95	58.5	44.1	37.3	51.3	38.7	30.6	45.7	39.7	30.5	38.4	29.1	22.8	30.5	22.7		24			19.6			15.5	95	
100	55.2	42.9	37	48.4	37.5	30.1	43.3	38.5	29.9	36.8	28.3	22.7	29.4	22		23.2	16.7		18.9			14.8	100	
105	52	41.8	36.6	45.7	36.6	29.7	40.9	37.4	29.4	35.5	27.6	22.3	28.1	21.3		22.4	16.7		18.2			14.2	105	
110	49	40.8	36.3	43	35.6	29.4	38.6	36.3	28.9	34.1	26.9	21.9	27	20.7		21.6	16.1		17.6			13.7	110	
115	46.5	39.7	36.1	40.8	34.8	29.1	36.6	35.2	28.4	32.5	26.2	21.5	26	20.2	15.7	20.8	15.6		16.9	11.9		13.1	115	
120	44.4	39	35.8	38.9	33.9	28.8	34.8	34	28	30.9	25.5	21.1	25.1	19.6	15.6	19.9	15.1		16.3	11.8		12.6	120	
125	42.3	38.6	35.5	37	33.1	28.5	33.1	32.4	27.6	29.3	24.9	20.8	24.3	19	15.2	19.1	14.6		15.7	11.4		12.1	125	
130	40.4	38.2	35.5	35.3	32.3	28.3	31.5	31	27.3	27.9	24.4	20.5	23.5	18.5	14.9	18.2	14.2		15	11		11.6	130	
135	38.5	37.9	35.5	33.6	31.6	28	30	29.6	27	26.5	23.9	20.1	22.7	18	14.6	17.6	13.7		14.3	10.6		11.1	135	
140	36.6	37.1	35.5	31.9	31	27.8	28.5	28.3	26.8	25.1	23.5	19.9	22	17.5	14.4	17	13.3	10.5	13.7	10.3		10.7	140	
145	34.9	35.7	35.2	30.3	30.6	27.6	27	27	26.5	23.8	23	19.7	21.3	17.1	14.1	16.4	12.9	10.4	13.3	10		10.3	145	
150	33.4	34.3	33.7	28.8	29.4	27.6	25.6	25.7	25.7	22.5	22.6	19.5	20.6	16.7	13.9	15.9	12.5	10.2	12.9	9.7		9.9	150	
155	32	32.8	32.3	27.6	28.2	27.5	24.5	24.5	24.6	21.5	21.8	19.3	19.7	16.4	13.7	15.4	12.1	10	12.5	9.4		9.5	155	
160	30.8	31.5		26.6	27.1	26.9	23.4	23.5	23.5	20.5	20.9	19.1	18.7	16	13.4	14.9	11.8	9.9	12.1	9.1	7.1	9.2	160	
165				25.5	26	25.8	22.4	22.5	22.5	19.6	19.9	19	17.7	15.7	13.2	14.4	11.6	9.7	11.7	8.9	7	8.9	165	
170				24.6	25	24.8	21.5	21.6	21.7	18.7	19	18.8	16.7	15.4	13.1	13.9	11.4	9.5	11.3	8.6	6.9	8.6	170	
175				23.6	24	23.8	20.5	20.8	20.8	17.8	18.1	18.5	15.7	15.1	13	13.5	11.1	9.4	10.9	8.4	6.8	8.2	175	
180				22.7	23		19.6	19.9	20	17	17.3	17.9	15	14.8	12.9	13	10.9	9.3	10.6	8.2	6.6	8	180	
185				21.8			18.7	19.1	19.2	16.2	16.6	17.2	14.5	14.5	12.8	12.6	10.7	9.2	10.3	8	6.5	7.7	185	
190				20.9			18	18.3	18.5	15.5	16	16.5	13.9	14.2	12.6	12.1	10.5	9	9.9	7.8	6.3	7.4	190	
195							17.2	17.5	17.7	15	15.4	15.8	13.4	13.6	12.5	11.4	10.3	8.9	9.6	7.6	6.3	7.1	195	
200							16.6	16.8		14.4	14.8	15.1	12.9	13.1	12.4	10.9	10.1	8.8	9.3	7.5	6.2	6.9	200	
205						16	16.1			13.9	14.2	14.5	12.4	12.6	12.3	10.5	9.9	8.7	9	7.3	6.1	6.6	205	
210										13.3	13.6	13.9	11.9	12.1	12.3	10.1	9.7	8.6	8.7	7.1	6	6.3	210	
215										12.8	13.1	13.3	11.5	11.6	11.8	9.7	9.6	8.5	8.4	7	5.9	6.1	215	
220										12.3	12.5		11	11.2	11.3	9.4	9.5	8.4	8.1	6.8	5.8	5.8	220	
225										11.9	12		10.6	10.8	10.8	9	9.4	8.4	7.9	6.7	5.7	5.6	225	
230										11.3			10.1	10.3	10.4	8.7	9.1	8.4	7.5	6.5	5.6	5.4	230	
235										10.9			9.7	9.9	9.9	8.3	8.7	8.4	7.1	6.3	5.5	5.2	235	
240													9.3	9.5	9.5	8	8.3	8.4	6.8	6.2	5.4	4.9	240	
245													8.9	9		7.6	7.9	8.2	6.4	6.2	5.4	4.6	245	
250													8.5	8.6		7.3	7.6	7.8	6.1	6.1	5.4	4.3	250	
255													8.1	8.3		7	7.2	7.4	5.7	6	5.4	3.9	255	
260																6.7	6.9	7	5.4	5.8	5.4	3.6	260	
265																6.4	6.5		5.1	5.5	5.4		265	
270																6.1	6.2		4.7	5.1	5.3		270	
275																5.8	5.9		4.4	4.8	5.2		275	
280																5.5			4.1	4.4	4.8		280	
285																			3.8	4.1			285	
290																			3.5	3.8			290	
295																			3.2	3.4			295	
300																			2.8	3.1			300	

* adapter / pièce d'adaptateur

TAB 146462 / 146472 / 146482

Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubannée

																												
		169 ft + 8 ft*																										
		23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft					
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
38	113				94.5																							38
40	112				94																							40
45	104	63			88				72.5																			45
50	97	61			82.5				70			52.4			40.6													50
55	90.5	58.6	43.2		77.5	51.5			66.5				51.5		39.9				30.6									55
60	85	56.4	42.3		72.5	49.6			62.5				49.7		38.4				30.4									60
65	80	54.5	41.4		68.5	47.8	34.4		59.3	46.7			47.9		37				29.3			23.8						65
70	75	52.7	40.7		64.5	46.2	33.8		56.1	45.6			46.2		35.7				28.3			23.1				18		70
75	71	51	40.1		61	44.7	33.2		53.2	44.4			44.6	31.8		34.5			27.3			22.2				17.6		75
80	66.5	49.4	39.4		57.7	43.3	32.5		50.5	43.3			43.2	31.6		33.3			26.4			21.4				17		80
85	62.5	47.9	38.8		54.5	41.9	32		47.9	42.2	31.7		41.8	30.7		32.1			25.5			20.7				16.3		85
90	58.9	46.5	38.3		51.5	40.7	31.5		45.5	41.1	31.1		40	29.9		31.1			24.7			19.9				15.7		90
95	55.7	45.3	37.8		48.9	39.5	31		43.2	39.9	30.5		38.1	29.1		30.1	22.2		23.8			19.2				15		95
100	52.8	44.2	37.3		46.5	38.4	30.5		41	38.8	30		36.3	28.3		29.2	22		23.1			18.5				14.4		100
105	50	43.1	37		44.1	37.3	30		38.8	37.7	29.5		34.5	27.6		28.2	21.3		22.4			17.9				13.9		105
110	47.5	42.2	36.8		41.9	36.5	29.6		37.1	36.4	29.1		32.8	26.9		27.3	20.7		21.7	15.9		17.3				13.3		110
115	45.1	41.2	36.5		39.7	35.6	29.3		35.4	34.8	28.6		31.4	26.3		26.3	20.2		21	15.5		16.7				12.9		115
120	42.7	40.3	36.3		37.7	34.9	29		33.7	33	28.2		30	25.7		25.3	19.6	15.2	20.3	15		16.1	11.4			12.4		120
125	40.4	39.4	36.1		35.7	34.1	28.8		32.1	31.5	27.8		28.7	25.1		20.8	24.4	19.1	15.2	19.5	14.6		15.6	11.3		11.9		125
130	38.2	38.1	35.8		33.8	33.4	28.5		30.5	30.1	27.4		27.5	24.5		20.5	23.7	18.6	14.9	18.7	14.1		15.1	10.9		11.4		130
135	36.6	36.7	35.6		32	32.1	28.3		29	28.7	27.2		26.2	24		20.2	22.8	18.2	14.6	18	13.8		14.5	10.6		11		135
140	35.3	35.3	34.9		30.3	30.6	28.1		27.5	27.4	26.7		24.9	23.5		19.9	21.8	17.7	14.4	17.4	13.4	10.4	13.9	10.3		10.6		140
145	33.9	33.9	33.6		28.7	29.1	27.8		26.1	26.1	26.1		23.7	23.1		19.7	20.9	17.3	14.2	16.9	13	10.4	13.3	10		10.2		145
150	32.7	32.6	32.3		27.6	27.6	27.5		24.7	24.9	24.9		22.5	22.2		19.5	19.9	16.8	13.9	16.4	12.6	10.2	12.9	9.7		9.8		150
155	31.5	31.3	31		26.6	26.6	26.5		23.4	23.7	23.8		21.3	21.3		19.4	19	16.5	13.7	15.9	12.3	10	12.5	9.4		9.4		155
160	30.3	30.1	29.8		25.6	25.6	25.5		22.2	22.6	22.7		20.2	20.3		19.2	18	16.2	13.5	15.4	12	9.9	12.2	9.2		9.1		160
165	29.1	28.9	28.6		24.6	24.7	24.6		21.1	21.4	21.7		19.1	19.3		19.1	17.1	15.9	13.3	15	11.6	9.7	11.8	8.9		8.8		165
170	28	27.8	27.4		23.7	23.8	23.6		20.3	20.4	20.7		18	18.4		19	16.2	15.6	13.2	14.6	11.4	9.6	11.5	8.7	6.9	8.5		170
175	26.9	26.7			22.8	22.9	22.7		19.6	19.5	19.8		17	17.5		18.2	15.4	15.3	13.1	14	11.2	9.4	11.1	8.4	6.7	8.2		175
180	25.8	25.6			21.9	22	21.8		18.9	18.8	19		16.2	16.7		17.4	14.5	15	13	13.4	11	9.3	10.8	8.2	6.6	7.9		180
185					21	21.2	21		18.2	18.1	18.2		15.6	15.8		16.6	13.7	14.6	12.9	12.7	10.8	9.2	10.5	8	6.5	7.7		185
190					20.2	20.4	20.1		17.5	17.4	17.5		15	15		15.8	12.9	14	12.8	12.1	10.6	9.1	10.2	7.9	6.4	7.4		190
195					19.4	19.6			16.9	16.8	16.8		14.5	14.4		15.1	12.1	13.3	12.6	11.5	10.5	9	9.8	7.7	6.3	7.2		195
200					18.5	18.9			16.2	16.1	16.1		13.9	13.8		14.5	11.5	12.6	12.5	10.9	10.3	8.9	9.4	7.5	6.2	6.9		200
205									15.6	15.5	15.5		13.4	13.3		13.9	11.1	11.9	12.3	10.3	10.1	8.8	8.9	7.4	6.1	6.6		205
210									15	14.9			12.9	12.7		13.3	10.7	11.4	11.9	9.7	9.9	8.7	8.3	7.2	6	6.4		210
215									14.4	14.3			12.4	12.2		12.7	10.3	11	11.4	9.3	9.8	8.6	7.9	7.1	5.9	6.1		215
220									13.9	13.7			11.9	11.7		12.2	10	10.5	10.9	8.9	9.5	8.5	7.4	6.9	5.8	5.7		220
225									13.3				11.4	11.3		11.7	9.6	10.1	10.4	8.6	9.1	8.4	6.9	6.8	5.7	5.3		225
230													11	10.8			9.2	9.7	9.9	8.2	8.6	8.3	6.5	6.6	5.6	4.8		230
235													10.5	10.4			8.9	9.3	9.5	7.9	8.2	8.3	6.1	6.5	5.6	4.4		235
240													10.1	9.9			8.5	8.8	9	7.5	7.8	8.2	5.7	6.4	5.5	4.1		240
245													9.7	9.5			8.2	8.4	8.6	7.2	7.4	7.9	5.4	6.2	5.4			245
250																	7.9	8.1	8.2	6.9	7	7.5	5	5.9	5.3			250
255																	7.6	7.7	7.8	6.5	6.7	7.1	4.7	5.5	5.3			255
260																	7.2	7.4		6.2	6.4	6.7	4.4	5.1	5.3			260
265																	6.9	7		5.9	6.1	6.3	4	4.7	5.3			265
270																	6.6			5.5	5.7	6	3.7	4.4	5.1			270
275																	6.3			5.2	5.4	5.6	3.4	4.1	4.7			275
280																				4.9	5.1		3.1	3.8	4.3			280
285																				4.6	4.7			3.4	3.9			285
290																				4.2	4.4				3.5			290
295																				3.9	4.1				3.2			295

* adapter / pièce d'adaptateur

TAB 146462 / 146472 / 146482

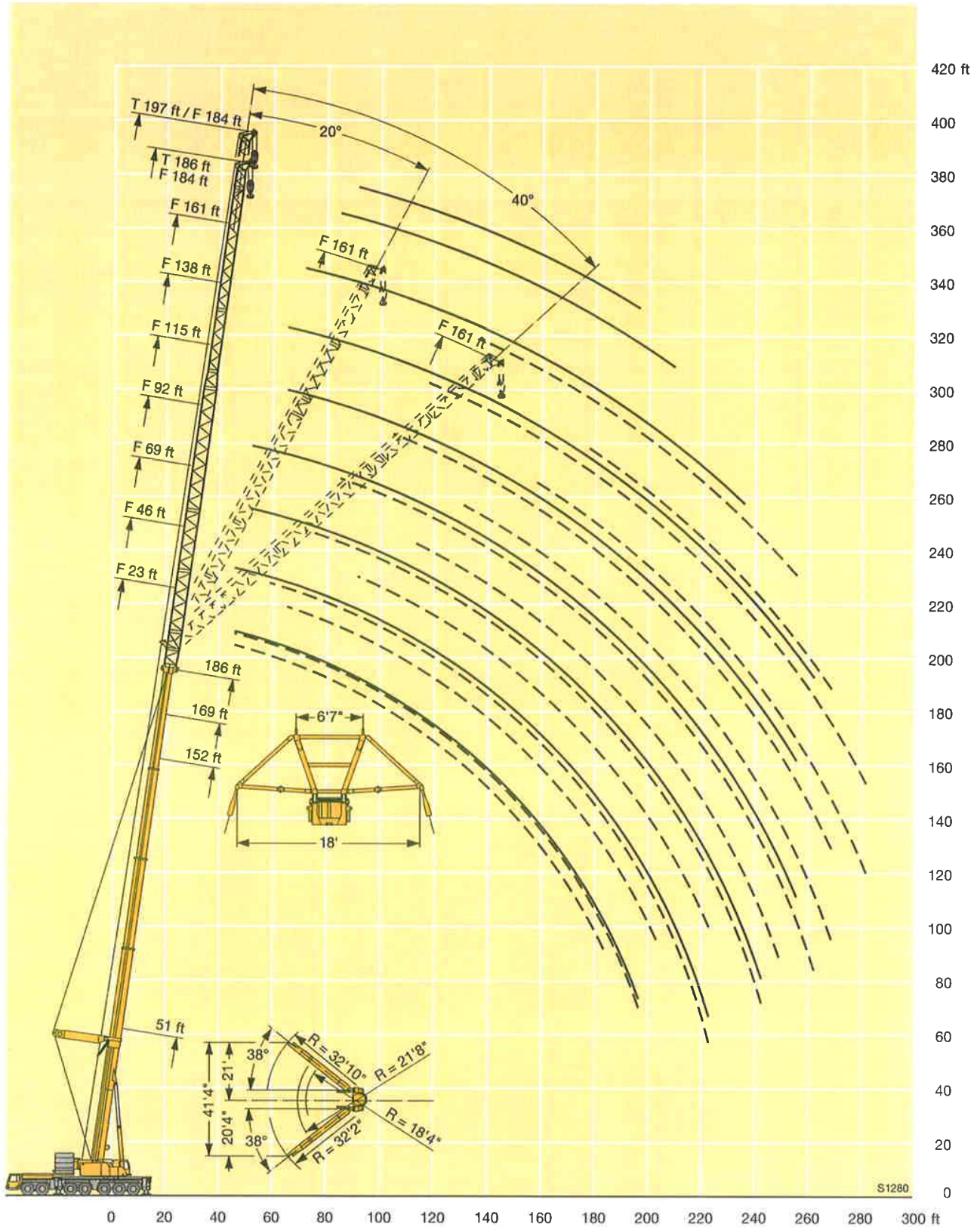
Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubannée

186 – 197 ft		38°		23 – 184 ft		360°		308600 lbs		85%																		197 + 8 ft*			
ft		23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft			184 ft			184 ft		ft			
0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		0°					
38	100																												38		
40	99																												40		
45	92.5	63			76.5			64.5																					45		
50	87	61			73			61.5		49.5																			50		
55	81.5	58.9	43.3	69	49.5		58.2		48.7		36.7																		55		
60	76.5	56.8	42.5	65	49.2		55.2		47		36.4																		60		
65	72	54.9	41.7	61.5	47.5	34.4	52.4		45.1		35.2		28.4																65		
70	68	53.2	41	58.1	46	33.8	49.7	44.2	43		34.1		27.6		21.6														70		
75	64	51.6	40.4	55	44.6	33.2	47.1	43.6	41		33		26.7		21.2														75		
80	60.5	50.1	39.8	52.1	43.2	32.6	44.7	42.5	38.9		32		25.9		20.5														80		
85	57.2	48.7	39.2	49.4	42	32	42.5	41.3	37	30.1	30.9		25.1		19.8			15.4											85		
90	54	47.3	38.7	46.8	40.9	31.5	40.5	39.8	30.6	35.3	29.4		30		24.3		19.1	14.9	14										90		
95	51.2	46.1	38.2	44.4	39.8	31.1	38.5	38.1	30.3	33.7	28.7		28.9		23.5		18.5	14.4	13.7										95		
100	48.6	44.9	37.7	42.1	38.7	30.6	36.6	36.4	29.8	32.1	28		27.6	21.1	22.8		17.8	13.9	13.2										100		
105	46.1	43.9	37.2	40.2	37.8	30.2	34.7	34.8	29.3	30.6	27.3		26.4	21.1	22.1		17.2		13.3	12.7									105		
110	43.7	42.7	37	38.4	36.8	29.8	33	33.2	28.9	29.2	26.7	21.5	25.2	20.5	21.5		16.7		12.9	12.2									110		
115	41.4	40.9	36.7	36.6	35.4	29.5	31.5	31.6	28.5	27.8	26.1	21.3	24	19.9	20.8	15.1	16.2		12.4	11.8									115		
120	39.2	38.9	36.5	34.8	33.8	29.1	30.1	30	28.2	26.4	25.5	21	22.9	19.4	20.2	14.9	15.6		11.9	11.4									120		
125	37.2	36.9	36.2	33.1	32.2	28.8	28.8	28.5	27.8	25.2	25	20.6	21.8	19	19.5	14.4	15.2		11.5	11									125		
130	35.1	35.1	35	31.4	30.7	28.6	27.5	27.2	27	24.1	24.1	20.4	20.8	18.5	14.7	18.6	14.1	14.7		11.1	10.6								130		
135	33.2	33.3	33.4	29.8	29.3	28.4	26.2	26	25.8	23.1	23	20.1	19.8	18.1	14.5	17.7	13.7	14.2	10.4		10.7	10.2							135		
140	31.5	31.6	31.8	28.2	28	27.8	24.8	24.8	24.7	22.1	21.9	19.9	18.8	17.6	14.3	16.9	13.3	13.8	10.3		10.3	9.9							140		
145	30.3	29.9	30.2	26.7	26.6	26.5	23.6	23.7	23.6	21.1	20.7	19.6	18	17.2	14.1	16.1	13	13.3	10		9.9	9.5							145		
150	29	28.8	29	25.3	25.4	25.3	22.3	22.6	22.5	20.1	19.8	19.4	17.2	16.8	13.9	15.4	12.7	12.7	9.7		9.6	9.1							150		
155	27.9	27.7	27.8	23.8	24.1	24.1	21.2	21.5	21.5	19	18.9	19.2	16.4	16.4	13.7	14.7	12.3	9.9	12.2	9.5		9.2	8.7						155		
160	26.8	26.6	26.6	22.7	22.9	23	20	20.5	20.6	18.1	18	18.6	15.7	16.1	13.5	14	12	9.8	11.7	9.2		8.9	8.4						160		
165	25.7	25.5	25.5	21.8	21.8	21.9	18.9	19.5	19.6	17.1	17.2	17.8	14.9	15.7	13.3	13.4	11.7	9.7	11.1	9		8.5	8						165		
170	24.6	24.5	24.4	21	20.8	21	17.8	18.6	18.7	16.2	16.3	17	14.2	15.1	13.1	12.7	11.4	9.5	10.6	8.7		8.3	7.6						170		
175	23.5	23.5	23.3	20.2	19.9	20.1	17.1	17.6	17.8	15.3	15.6	16.3	13.6	14.4	13	12.1	11.2	9.4	10	8.5	6.7		7.9	7.2					175		
180	22.5	22.5	22.3	19.4	19	19.3	16.4	16.7	17	14.5	14.8	15.5	12.9	13.7	12.9	11.6	11	9.3	9.5	8.3	6.6		7.4	6.7					180		
185	21.6	21.6		18.6	18.2	18.5	15.8	15.9	16.2	13.6	14	14.8	12.2	13.1	12.8	11	10.8	9.2	9	8	6.5	7		6.2					185		
190	20.6	20.6		17.9	17.4	17.6	15.2	15.3	15.5	12.8	13.3	14.1	11.5	12.5	12.8	10.4	10.7	9.1	8.5	7.8	6.3	6.5	5.8						190		
195	19.7	19.8		17.2	16.6	16.9	14.6	14.7	14.9	12.3	12.5	13.4	10.9	11.9	12.3	9.9	10.5	9	8	7.7	6.2	6.1	5.3						195		
200				16.5	15.9	16.1	14	14.1	14.3	11.8	12	12.7	10.2	11.3	11.7	9.3	10.2	8.9	7.5	7.5	6.1	5.6	4.9						200		
205				15.8	15.3		13.4	13.6	13.7	11.4	11.5	12.1	9.6	10.8	11.2	8.8	9.7	8.9	7.1	7.4	6	5.2							205		
210				15.1	14.6		12.9	13.1	13.1	10.9	11.1	11.6	9.2	10.2	10.7	8.3	9.3	8.8	6.6	7.3	6	4.8							210		
215				14.5	14		12.4	12.5	12.5	10.5	10.6	11.1	8.9	9.7	10.2	7.8	8.8	8.7	6.2	7.1	5.9	4.4							215		
220				13.8	13.5		11.8	12	12	10.1	10.2	10.6	8.5	9.2	9.7	7.3	8.4	8.6	5.7	6.9	5.8								220		
225							11.3	11.5		9.7	9.8	10.2	8.1	8.8	9.2	6.9	7.9	8.4	5.3	6.5	5.7								225		
230							10.8	11		9.3	9.4	9.7	7.7	8.4	8.7	6.5	7.4	8	4.9	6.1	5.6								230		
235							10.3	10.6		8.9	9	9.3	7.3	8	8.3	6.1	7	7.6	4.5	5.7	5.6								235		
240							9.9	10.1		8.5	8.6	8.8	7	7.6	7.9	5.7	6.6	7.2	4.1	5.3	5.5								240		
245										8.2	8.2	8.4	6.6	7.2	7.5	5.3	6.2	6.8		4.9	5.4								245		
250										7.8	7.8		6.2	6.8	7.1	5	5.8	6.4		4.5	5.4								250		
255										7.4	7.4		5.8	6.4	6.7	4.6	5.4	6		4.1	5.1								255		
260										7.1	7		5.5	6.1	6.3	4.3	5	5.6		3.8	4.7								260		
265										6.7			5.1	5.7	5.9	3.9	4.6	5.1			4.3								265		
270													4.8	5.3		3.6	4.2	4.7			3.9								270		
275													4.4	5		3.2	3.9	4.3			3.5								275		
280													4.1	4.6			3.5	3.9											280		
285													3.8	4.2			3.2	3.5											285		

* adapter / pièce d'adaptateur

TAB 146462 / 146472 / 146482

Lifting heights Hauteurs de levage



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

 51-84 ft		 46-276 ft		 360°		 220500 lbs		85%																	
51 ft + 13 ft*												84 ft + 13 ft*													
ft	46	69	92	115	138	161	184	207	230	253	276	ft	46	69	92	115	138	161	184	207	230	253	276	ft	
22	262											22												22	
24	262											24												24	
26	262											26												26	
28	262											28												28	
30	262											30	214											30	
32	262	220										32	214											32	
34	260	219										34	214											34	
36	256	217										36	214											36	
38	253	215	170									38	214	157										38	
40	247	212	169									40	214	157										40	
45	223	204	166	133								45	212	157	127									45	
50		195	163	132								50	194	157	127									50	
55		181	160	130	106							55		157	127	103								55	
60		165	157	128	104	87						60		156	127	102	83							60	
65		151	150	126	103	86						65		145	127	102	82.5	68						65	
70		139	139	125	102	85	69					70		134	126	101	82	68						70	
75			129	122	100	84	68.5	57.7				75			121	101	81.5	67.5	55.3					75	
80			120	118	99.5	83	68	57.5				80			113	101	81.5	67	55.2					80	
85			112	110	98.5	82	67	56.9	46.8			85			106	101	81	67	54.9	45.9				85	
90			104	103	98	81	66.5	56.3	46.3	39.1		90			100	96	80.5	66.5	54.6	45.6	37.3			90	
95				97	95	80.5	66	55.8	45.9	38.7	31.4	95			94	91	80.5	66.5	54.3	45.4	37.1	31		95	
100				91.5	90	80	65.5	55.3	45.4	37.9	31.3	100				86	80	66	54	45.1	36.8	30.9	24.7	100	
105				86	85	79.5	64.5	54.8	45	37.1	30.9	105				82	79	66	53.8	44.9	36.6	30.7	24.7	105	
110				81.5	80.5	78.5	64	54.4	44.5	36.4	30.5	110				77.5	75	66	53.6	44.7	36.4	30.6	24.5	110	
115				71	76	75.5	64	53.9	44.1	35.6	30.1	115				73.5	71.5	66	53.4	44.5	36.2	30.4	24.3	115	
120					72.5	71.5	63.5	53.4	43.8	34.9	29.6	120					68.5	65	53.3	44.3	36	30.2	24.1	120	
125					68.5	68	63	52.9	43.4	34.2	29.1	125					65.5	63	53.3	44.2	35.9	30	24	125	
130					65.5	65	62	52.1	43.1	33.6	28.6	130					62.5	60	53.2	44.1	35.7	29.8	23.8	130	
135					60.5	62	60	51.3	42.8	32.9	28.1	135					59.5	57.8	52.9	44.1	35.5	29.5	23.6	135	
140						59	57.7	50.6	42.7	32.3	27.7	140					56.8	55.5	52.2	44.1	35.4	29.2	23.5	140	
145						56.4	55.1	49.8	42.6	31.7	27.2	145						53.3	51.2	44.1	35.3	28.8	23.3	145	
150						54	52.7	49.1	42.5	31.2	26.8	150						51	49.4	44.1	35.3	28.5	23.2	150	
155						51	50.5	48.4	42.3	30.6	26.4	155						48.9	47.6	44.1	35.3	28.1	23.1	155	
160						45.2	48.4	47.3	42	30.1	26	160						46.9	45.8	43.5	35.3	27.8	23	160	
165							46.4	45.8	41.6	29.6	25.6	165							44	42.3	35.3	27.5	22.8	165	
170							44.6	43.9	41.2	29.1	25.3	170							42.2	40.8	35.3	27.2	22.8	170	
175							42.7	42.2	40.4	28.6	25	175							40.6	39.4	35.3	26.9	22.8	175	
180							39.7	40.5	39.2	28.2	24.7	180							39	37.9	35.2	26.6	22.7	180	
185								39	37.7	27.8	24.4	185							37.5	36.5	34.6	26.3	22.5	185	
190									37.5	27.4	24.1	190							36.1	35.1	33.4	26	22.4	190	
195									36.1	27.1	23.8	195								33.8	32.3	25.7	22.2	195	
200									33.9	26.7	23.5	200								32.5	31.1	25.5	22.1	200	
205										23.2	23.2	205								31.3	29.9	25.2	21.9	205	
210										23.1	23	210									28.8	25	21.7	210	
215										22.9	22.7	215									27.7	24.8	21.6	215	
220										22.8	22.5	220									26.7	24.7	21.4	220	
225										22.7	22.3	225									25.7	24.4	21.3	225	
230										22.6	22.1	230									24.8	23.8	21.2	230	
235										22.5	22	235									23.9	22.9	21.1	235	
240										22.4	21.8	240										22.1	20.9	240	
245										22.3	21.6	245										21.3	20.4	245	
250										22.2	21.1	250										20.5	19.6	250	
255										22.1	20.3	255											19.8	18.8	255
260										22	19.3	260												18.1	260
265										21.9	17.8	265												17.4	265
270										21.8	15.7	270												16.8	270
275										21.7	13	275												16.1	275
280												280												15.3	280

* adapter / pièce d'adaptateur

TAB 146494

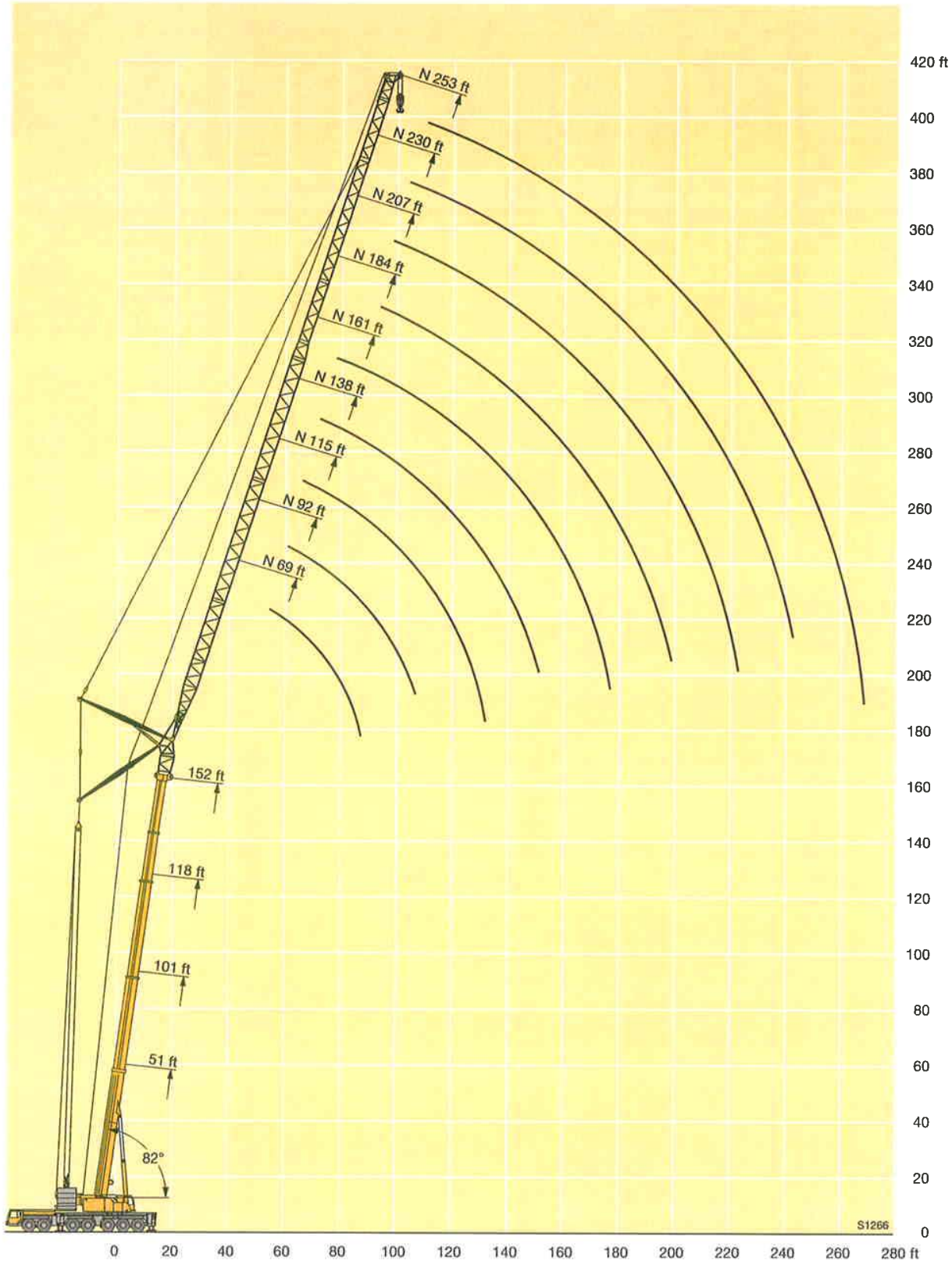
Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

 118 – 186 ft		 69 – 276 ft		 360°		 220500 lbs		 85%																					
118 ft + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*									
ft										ft										ft									
ft	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	69	92	115	138	161	184	ft			
45	106																									45			
50	106																									50			
55	106	86	69								66.5															55			
60	105	85.5	69								66.5	52.5									39					60			
65	103	85	69	56							66	52.5	42.2								38.8	29.4				65			
70	100	84.5	68.5	55.8	46.1						65	52.4	42.1	33.8							38.7	29.3				70			
75	98	83.5	68.5	55.6	46						64	52.2	41.9	33.7	27						38.6	29.2	22.7			75			
80		82	68	55.4	45.9						63	51.9	41.7	33.5	27						38.4	29	22.5	17.2		80			
85		80.5	68	55.2	45.7	37.2					62	51.4	41.6	33.4	26.9						38.2	28.9	22.4	17.1	12.1	85			
90		79	67.5	55	45.5	37	30.5					50.8	41.4	33.3	26.8	21.1					37.8	28.8	22.3	17	12.1	90			
95		78	66.5	54.9	45.3	36.9	30.4	24.5				50.2	41.2	33.2	26.7	21.1	15				28.7	22.2	16.9	12.1	6.8	95			
100		77	65.5	54.8	45.2	36.8	30.3	24.4	18.9			49.6	40.8	33.1	26.7	21.1	15	9.5			28.6	22	16.8	12.1	6.8	100			
105			64.5	54.8	45	36.6	30.2	24.3	18.9				40.5	32.9	26.6	21	15	9.5			28.5	21.9	16.7	12.1	6.8	105			
110			63.5	54.4	44.9	36.5	30.1	24.2	18.9	12.9			40.1	32.7	26.5	20.9	15	9.5	5.3		28.4	21.8	16.6	12.1	6.8	110			
115			63	53.8	44.8	36.4	30	24	18.9	12.9			39.8	32.5	26.4	20.9	15	9.5	5.3			21.8	16.5	12.1	6.8	115			
120			63	53.1	44.8	36.3	29.9	23.9	18.8	12.9			39.4	32.3	26.3	20.8	15	9.5	5.3			21.7	16.4	12.1	6.8	120			
125				52.4	44.7	36.2	29.8	23.8	18.7	12.9			39	32.1	26.2	20.7	15	9.5	5.3			21.6	16.4	12.1	6.8	125			
130				52	44.6	36.2	29.6	23.7	18.6	12.9			38.5	31.9	26.1	20.7	15	9.5	5.3			21.6	16.3	12.1	6.8	130			
135				51.7	44.1	36.1	29.6	23.6	18.5	12.8				31.7	25.9	20.6	15	9.5	5.3			21.5	16.2	12.1	6.8	135			
140				51.4	43.7	36.1	29.5	23.5	18.4	12.8				31.4	25.7	20.6	15	9.5	5.3				16.2	12.1	6.8	140			
145				50.8	43.2	36	29.5	23.4	18.3	12.8				31.1	25.6	20.5	15	9.5	5.3				16.1	12.1	6.8	145			
150				49	43.1	35.9	29.5	23.4	18.2	12.7				30.8	25.4	20.4	15	9.5	5.3				16.1	12.1	6.8	150			
155					43	35.7	29.5	23.4	18.2	12.7					25.3	20.3	15	9.5	5.3				16.1	12.1	6.8	155			
160					42.7	35.4	29.5	23.4	18.2	12.6					25.1	20.2	15	9.5	5.3					12.1	6.8	160			
165					42	35.1	29.5	23.4	18.2	12.6					25	20.1	15	9.5	5.3					12	6.8	165			
170					40.6	35.1	29.5	23.4	18.2	12.6					24.8	20.1	15	9.5	5.3					12	6.8	170			
175						35.1	29.5	23.4	18.2	12.6					24.7	20	15	9.5	5.3					12	6.8	175			
180						35	29.5	23.4	18.2	12.6						19.9	15	9.5	5.3						6.8	180			
185						34.5	29.4	23.4	18.2	12.6						19.8	15	9.5	5.3						6.8	185			
190						33.4	29.4	23.4	18.2	12.6						19.7	15	9.5	5.3						6.8	190			
195							29.4	23.4	18.2	12.6						19.6	15	9.5	5.3						6.8	195			
200							29.4	23.4	18.2	12.6							15	9.5	5.3						6.8	200			
205							29.1	23.4	18.2	12.6							15	9.5	5.3							205			
210							28.2	23.4	18.2	12.6							15	9.5	5.3							210			
215							27.3	23.4	18.2	12.6							15	9.5	5.3							215			
220								23.4	18.2	12.6							15	9.5	5.3							220			
225								23.3	18.2	12.6								9.5	5.3							225			
230								23	18.2	12.6								9.5	5.3							230			
235								22.2	18.2	12.6								9.5	5.3							235			
240									18.2	12.6								9.5	5.3							240			
245									18.2	12.6									5.3							245			
250									18.2	12.6									5.3							250			
255									18.1	12.6									5.3							255			
260									17.5	12.6									5.3							260			
265										12.6									5.3							265			
270										12.6																270			
275										12.6																275			
280										12.6																280			

* adapter / pièce d'adaptateur

TAB 146494

Lifting heights Hauteurs de levage



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

		51 ft + 13 ft*													84 ft + 13 ft*																			
		ft													ft																			
		46	69	92	115	138	161	184	207	230	253	276	46	69	92	115	138	161	184	207	230	253	276	46	69	92	115	138	161	184	207	230	253	276
38	217																																	38
40	217																																	40
45	213	185																																45
50	197	184											174																					50
55		176	151										166	149																				55
60		160	150										151	147																				60
65		146	144	121									138	135																				65
70		135	134	119										125	116																			70
75		125	124	117	96									117	112	96																		75
80			115	114	95.5									109	105	95.5																		80
85			108	106	94	78.5								101	98	94																		85
90			101	99.5	93	78									92.5	89	77																	90
95				94.5	93.5	90.5	77	63							87.5	84	76.5	63																95
100					87.5	86.5	76	63							82.5	79.5	75.5	63																100
105					82.5	81.5	75.5	62							78	75	72.5	63																105
110					78	77	74.5	61.5	52						73.5	71.5	69	62.5	51.2															110
115					74	73	72	61	51.6	42.1						68	65.5	62	51	42.3														115
120					70.5	69.5	68.5	60.5	51.2	41.9						65	62.5	60	50.8	42.2														120
125						66	65	59.8	50.7	41.5						62	59.8	57.5	50.6	42														125
130						62.5	62	59.6	50.3	41.2	34.1					58.9	57.3	55	50.4	41.8	34													130
135						59.8	59.1	57.6	49.9	40.8	33.6	27.6					54.9	52.7	49.9	41.7	33.9	28.1												135
140						57.1	56.4	55	49.5	40.5	33	27.5					52.5	50.5	48.7	41.6	33.8	28												140
145							53.8	52.5	49.3	40.2	32.4	27.3					50.2	48.5	46.7	41.4	33.7	28												145
150							51.5	50.2	49.1	39.9	31.8	27.1					48	46.6	44.8	41.3	33.5	27.9	22.1											150
155							49.4	48	47.4	39.6	31.3	26.8					45.9	44.8	43.1	40.7	33.4	27.9	22.1											155
160							47.3	46	45.3	39.5	30.7	26.5						43	41.4	39.6	33.3	27.9	22											160
165							45.4	44.1	43.4	39.4	30.2	26.1						41.2	39.9	38	33.2	27.8	22											165
170							43.6	42.3	41.6	39.4	29.7	25.8						39.6	38.5	36.6	33.1	27.7	22											170
175								40.7	40	38.4	29.2	25.4						38	37	35.3	32.8	27.4	22											175
180								39.1	38.4	37	28.8	25.1							35.5	34	31.9	27.1	22											180
185								37.6	36.9	35.5	28.5	24.8							34.1	32.8	30.8	26.9	22											185
190								36.2	35.5	34.1	28.1	24.5							32.8	31.7	29.6	26.6	22											190
195									34.1	32.8	27.7	24.2								31.5	30.5	28.6	26.3	21.9										195
200									32.9	31.5	27.4	24							30.4	29.3	27.6	25.8	21.9											200
205									31.7	30.3	27	23.7									28.2	26.6	25.1	21.9										205
210									30.5	29.2	26.7	23.5									27.1	25.7	24.2	21.9										210
215									29.4	28.1	26.3	23.3									26.1	24.7	23.3	21.9										215
220										27.1	25.8	23.1									25.1	23.7	22.5	21.3										220
225										26.1	25.1	22.8										22.8	21.7	20.5										225
230										25.1	24.2	22.6										21.9	20.9	19.8										230
235										24.2	23.3	21.9											21.1	20.1	19									235
240											22.4	21.1											20.3	19.3	18.3									240
245											21.6	20.3													18.5	17.6								245
250											20.8	19.5													17.8	16.9								250
255											20	18.7														17.1	16.2							255
260											18.7	18														16.5	15.5							260
265												17.3															15.8	14.9						265
270												16.6																14.2						270
275												16																13.6						275
280												15.4																13.1						280
285																												12.5						285

* adapter / pièce d'adaptateur

TAB 146497

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



		118 ft + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*							
		ft										ft										ft							
ft		69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	69	92	115	138	161	184	ft		
70		91																										70	
75		88.5	78																									75	
80		84.5	77																									80	
85		81	74.5									55.9																85	
90		78	72	63								54.1	47															90	
95		75	69.5	62	53.1							52.3	46.3								33							95	
100			67	60.5	52.9							50.6	45.1	37.8							32.7	26.5						100	
105			65	58.9	52							43.9	37.8								31.5	26.5						105	
110			63	57.4	51	43.6						42.7	36.9	31.1							30.4	25.8						110	
115			61	55.8	50	43.4	35.1					41.5	36.1	30.7							25.1	20.4						115	
120				54.3	48.9	42.9	35					40.3	35.3	30.1	25						24.4	20.2						120	
125				52.8	47.9	42.3	35						34.5	29.5	25						23.7	19.8						125	
130				51.4	46.7	41.6	34.9	28.6					33.6	28.8	24.6	19.8					22.9	19.3	15.3					130	
135				49.9	45.5	40.9	34.7	28.6					32.8	28.3	24.2	19.7					22.2	18.7	15	10.9				135	
140					44.4	40.1	34.4	28.5	22.6				32.1	27.7	23.7	19.4	14.3						18.2	14.6	10.9			140	
145					43.3	39.2	33.9	28.4	22.6				31.3	27	23.3	19.2	14.3						17.6	14.3	10.9			145	
150					42.3	38.4	33.4	28.3	22.6	18			30.8	26.4	22.9	18.8	14.3						17.1	13.9	10.9	6.1		150	
155					40.9	37.6	32.9	28.2	22.6	18				25.9	22.5	18.5	14.3	9					16.6	13.5	10.9	6.1		155	
160					39.4	36.8	32.3	28	22.6	18	12.1				25.3	22.1	18.2	14.3	9	4.9				13.1	10.8	6.1		160	
165						35.9	31.7	27.6	22.6	18	12.1				24.8	21.6	17.8	14.3	9	4.9				12.7	10.5	6.1		165	
170						34.8	31.1	27.3	22.6	18	12.1				24.4	21.2	17.5	14.3	9	4.9				12.4	10.3	6.1		170	
175						33.6	30.5	26.9	22.5	18	12.1					20.8	17.2	14	9	4.9				12	10	6.1		175	
180						32.4	29.9	26.5	22.4	18	12.1					20.5	16.9	13.8	9	4.9				11.7	9.8	6.1		180	
185							29.2	26.1	22.1	18	12.1					20.2	16.6	13.5	9	4.9					9.6	6.1		185	
190							28.2	25.7	21.8	18	12.1					19.9	16.3	13.3	9	4.9					9.3	6.1		190	
195							27.2	25.3	21.5	18	12.1					19.8	16	13.1	9	4.9					9.1	6.1		195	
200							26.3	24.9	21.2	18	12.1						15.7	12.9	9	4.9					8.9	6.1		200	
205							25.5	24.3	20.8	17.9	12.1						15.5	12.6	9	4.9						6.1		205	
210								23.5	20.5	17.6	12.1						15.3	12.4	9	4.9						6.1		210	
215								22.7	20.2	17.3	12.1						15.2	12.2	9	4.9						6.1		215	
220								21.9	19.8	17	12.1							12	9	4.9						6		220	
225								21.2	19.3	16.8	12.1							11.8	9	4.9						5.8		225	
230									18.6	16.5	12.1								11.7	9	4.9							230	
235									18	16.2	12.1								11.7	9	4.9							235	
240									17.3	15.9	12.1								11.6	8.9	4.9							240	
245									16.7	15.4	12.1									8.8	4.9							245	
250									16.2	14.8	12.1									8.7	4.9							250	
255									15.6	14.2	12.1									8.7	4.9							255	
260										13.7	11.9									8.6	4.9							260	
265									13.2	11.5											4.9							265	
270									12.7	11											4.9							270	
275									12.2	10.5											4.9							275	
280										10.1											4.9							280	
285										9.6											4.9							285	
290										9.2																		290	
295										8.8																		295	
300										8.5																		300	

* adapter / pièce d'adaptateur

TAB 146497

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

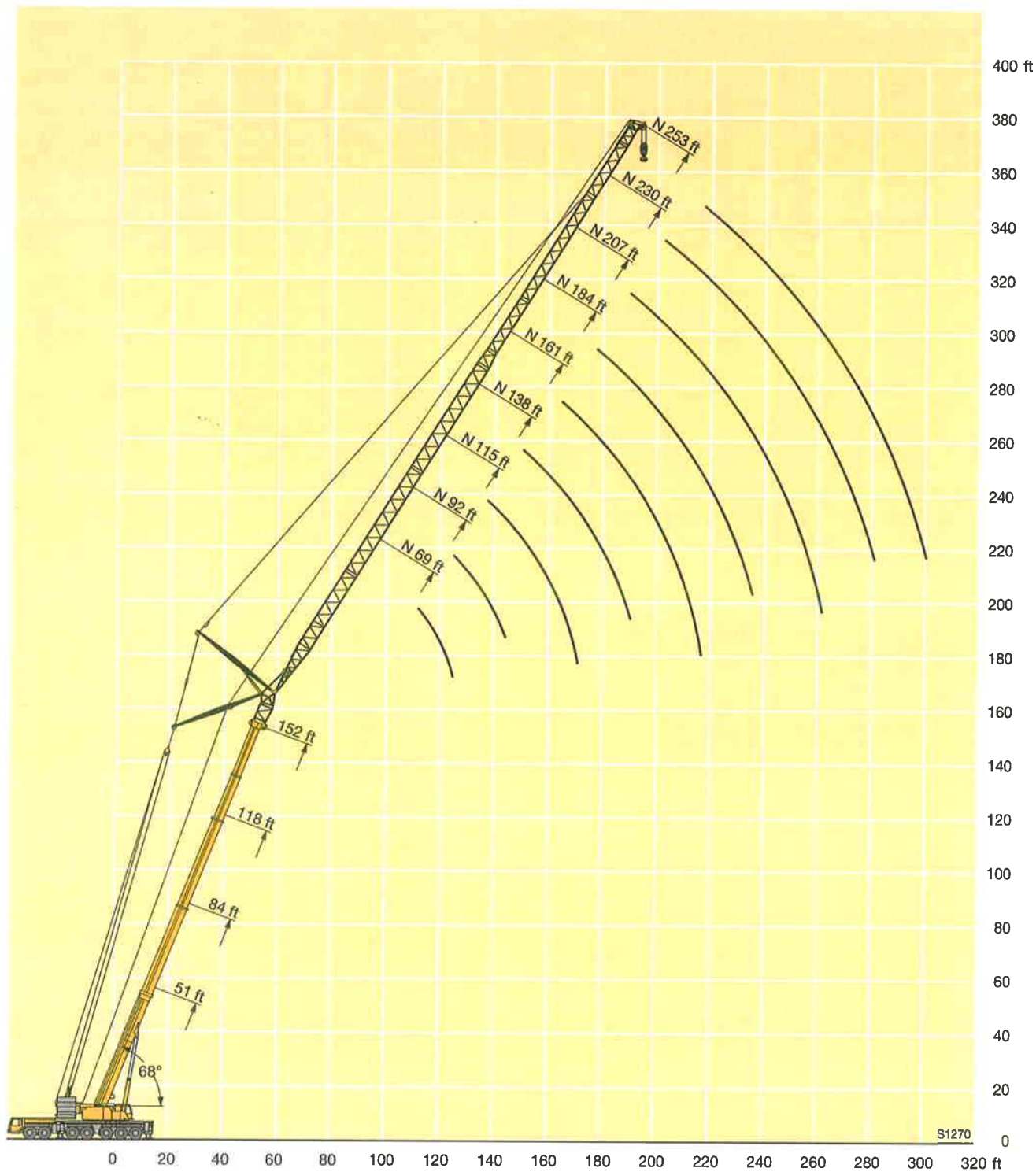


ft	51 ft + 13 ft*											84 ft + 13 ft*											ft
	46	69	92	115	138	161	184	207	230	253	276	46	69	92	115	138	161	184	207	230	253	276	
50	179																						50
55	171																						55
60	156																						60
65	143	140										129											65
70		131										120											70
75		121	120									111	103										75
80		112	111									101											80
85		105	104	102								94.5											85
90			97	95.5								89	83.5										90
95			91	89.5	84.5							83.5	80.5										95
100			85.5	84.5	83								76.5	69.5									100
105				79.5	78								72.5	69.5									105
110				75	74	71							68.5	66									110
115				71	70	68.5							65	62.5	58.4								115
120				67.5	66.5	65.5	57.2							59.8	57.4								120
125				64	63	62	57.1							57.1	54.7								125
130				61	60	59.2	56.6							54.5	52.4	49.5							130
135					57.2	56.4	54.8	47.2						52	50.1	47.9	44.9						135
140					54.6	53.8	52.4	47.1						49.6	48.1	45.9	44.1						140
145					52.2	51.4	50	46.8							46.1	44	42.2						145
150					49.9	49.2	47.8	46.4	38						44.1	42.3	40.5	38.2					150
155						47.1	45.7	44.9	37.9						42.2	40.6	38.9	37					155
160						45.1	43.8	43	37.7	30.6					40.5	39.1	37.4	35.5	31.1				160
165						43.3	41.9	41.2	37.6	30.5						37.6	35.9	34.1	31				165
170						41.5	40.2	39.5	37.5	30.1						36.1	34.6	32.7	30.5				170
175						39.9	38.6	37.8	36.3	29.6	24.8					34.6	33.3	31.5	29.4	25.9			175
180							37.1	36.3	34.9	29.2	24.8					33.2	32.1	30.3	28.2	25.9			180
185							35.6	34.9	33.5	28.8	24.8					31.9	30.9	29.2	27.1	25.6			185
190							34.3	33.5	32.1	28.4	24.7					30.7	29.6	28.1	26.1	24.5			190
195							33	32.2	30.8	28.1	24.4						28.5	27.1	25.1	23.6	20.4		195
200								31	29.6	27.7	24.1						27.4	26.2	24.2	22.6	20.4		200
205								29.8	28.5	27.2	23.9						26.3	25.2	23.3	21.8	20.2		205
210								28.7	27.4	26.4	23.7							24.2	22.4	20.9	19.7		210
215								27.7	26.3	25.3	23.4							23.2	21.6	20.1	18.9		215
220								26.7	25.3	24.3	22.8							22.3	20.8	19.4	18.2		220
225									24.4	23.4	22							21.5	20	18.6	17.4		225
230									23.5	22.5	21.1							20.7	19.2	17.9	16.7		230
235									22.6	21.6	20.3							19.9	18.4	17.3	16.1		235
240									21.8	20.8	19.4							17.7	16.6	15.4			240
245										20	18.6							17	15.9	14.8			245
250										19.2	17.9							16.3	15.2	14.2			250
255										18.5	17.2							15.7	14.6	13.6			255
260										17.8	16.5								14	13			260
265										17.2	15.8									13.4	12.4		265
270											15.2									12.8	11.8		270
275											14.6									12.3	11.4		275
280											14									11.9	10.9		280
285											13.4										10.4		285
290																					10		290
295																					9.6		295
300																					9.2		300

* adapter / pièce d'adaptateur

TAB 146500

Lifting heights Hauturs de levage



Lifting capacities on the luffing lattice jib with guyed telescopic boom

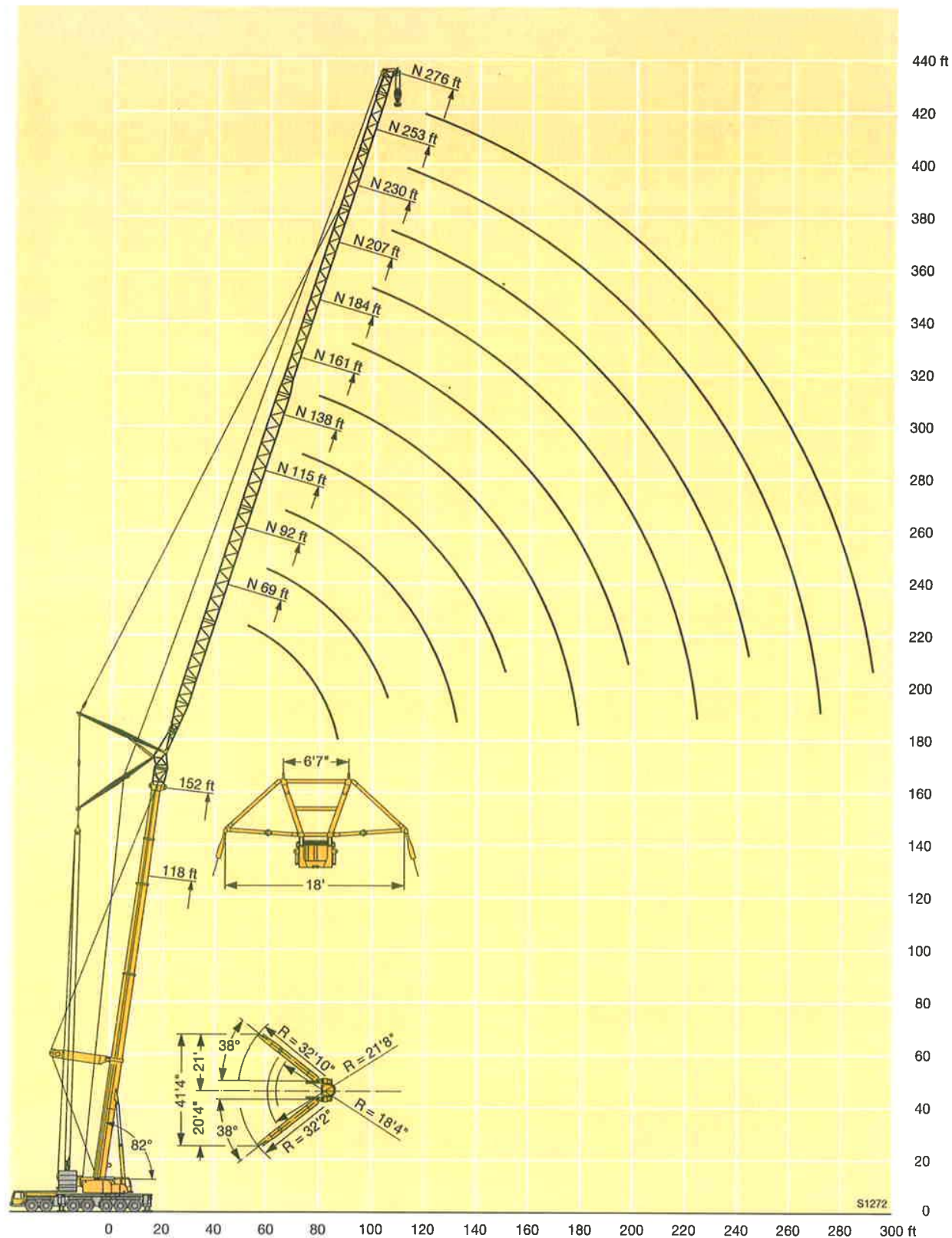
Forces de levage à la fléchette treillis relevable avec flèche télescopique haubannée

 118 - 186 ft 82°		 38°		 69 - 276 ft		 360°		 220500 lbs		 85%																														
 118 + 13 ft*												 152 ft + 13 ft*												 186 ft + 13 ft*												 118 + 13 ft*				
ft												ft												ft												ft				
69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	276	
45	154									113																													45	
50	147	129																																					50	
55	139	127	105							110	96																												55	
60	131	122	104							104	95																												60	
65	123	117	104	82						99.5	91	81.5																											65	
70	116	112	100	82	66.5					95.5	87	78.5	66.5																										70	
75	109	107	97	82	66.5					92	83.5	76	66.5	55.8																									75	
80		102	94	82	66.5					89	80.5	73	66	55.8																									80	
85		97	91	81.5	66.5					87	77.5	70.5	64	55.8																									85	
90		92	88.5	79	66.5	54.1					74.5	68	61.5	55.4																									90	
95		87	85.5	77	66.5	54.1	44.5				72.5	66	59.6	54.3	43.7																								95	
100		81.5	82	74.5	66	54.1	44.5	36			71	64	57.6	52.6	43.7	36.1																							100	
105			78	72.5	65.5	54.1	44.5	36	30			62	55.8	51	43.7	36.1	28.2																						105	
110			74.5	70.5	63.5	54.1	44.5	36	30			60	54.1	49.5	43.6	36.1	28.2																					110		
115			70.5	68.5	62	54.1	44.5	36	30	23.5			59.1	52.5	48.1	42.8	36.1	28.2	22.6																			115		
120			66.5	66	60.5	53.7	44.5	36	30	23.5			58.1	50.9	46.7	41.6	36.1	28.2	22.6	17.2																		120		
125			63	59.1	52.5	44.5	36	30	23.5			57	49.5	45.4	40.4	36	28.2	22.6	17.2																			125		
130			60.5	57.7	51.3	44.5	36	30	23.5			54.6	48.3	44.2	39.3	35	28.2	22.6	17.2																			130		
135			58.2	55.7	50.2	44.4	36	30	23.5				47.7	43	38.3	34.1	28.2	22.6	17.2																			135		
140			55.7	53.6	49.1	44	36	30	23.5				47.2	41.9	37.3	33.2	28.2	22.6	17.2																			140		
145			52.8	51.6	48	43.2	36	30	23.5				46.7	40.8	36.3	32.4	28.1	22.6	17.2																			145		
150			49	49.6	47	42.4	36	30	23.5				45.6	40.1	35.4	31.7	27.6	22.6	17.2																			150		
155				47.9	45.8	41.6	35.7	29.9	23.5					39.8	34.5	31	27.1	22.6	17.2																				155	
160				46	44.4	40.9	35.3	29.8	23.5					39.6	33.7	30.3	26.5	22.6	17.2																				160	
165				44.2	42.8	40.1	34.8	29.5	23.5					39.3	33	29.6	26	22.5	17.2																				165	
170				42.4	41.3	39.3	34.2	29.1	23.5					38.6	32.6	29	25.5	22	17.2																				170	
175					39.8	38	33.7	28.7	23.5					36.9	32.5	28.3	25	21.6	17.2																					175
180					38.3	36.7	33.2	28.2	23.5						32.5	27.7	24.5	21.2	17.2																					180
185					36.8	35.5	32.8	27.9	23.5						32.3	27.3	24	20.8	17.1																					185
190					35.4	34.3	32.2	27.5	23.5						32	27.2	23.5	20.5	16.9																					190
195						33	31.1	27.1	23.4						31	27.2	23.1	20.1	16.6																				195	
200						31.8	30.1	26.8	23.3							27.1	22.7	19.7	16.3																				200	
205						30.6	29	26.5	23.1							27	22.5	19.4	16																				205	
210						29.5	28	26.1	22.9							26.8	22.4	19.1	15.7																				210	
215						28.4	27	25.8	22.7							26.1	22.4	18.7	15.4																				215	
220						26	25.3	22.5								24.9	22.3	18.5	15.1																				220	
225						25	24.5	22.2									22.3	18.4	14.8																					225
230						24.1	23.6	22									22	18.3	14.5																					230
235						23.2	22.7	21.3									21.4	18.3	14.2																					235
240						21.9	20.5										20.5	18.3	14.1																					240
245						21	19.7											18.2	14																					245
250						20.3	19											18.1	14																					250
255						19.5	18.2											17.6	14																					255
260						18.8	17.5											16.9	14																					260
265							16.8											16.1	13.9																					265
270							16.2												13.9																					270
275							15.5												13.8																					275
280							14.9												13.3																					280
285																			12.7																					285

* adapter / pièce d'adaptateur

TAB 146503

Lifting heights Hautours de levage



Lifting capacities on the luffing lattice jib with guyed telescopic boom

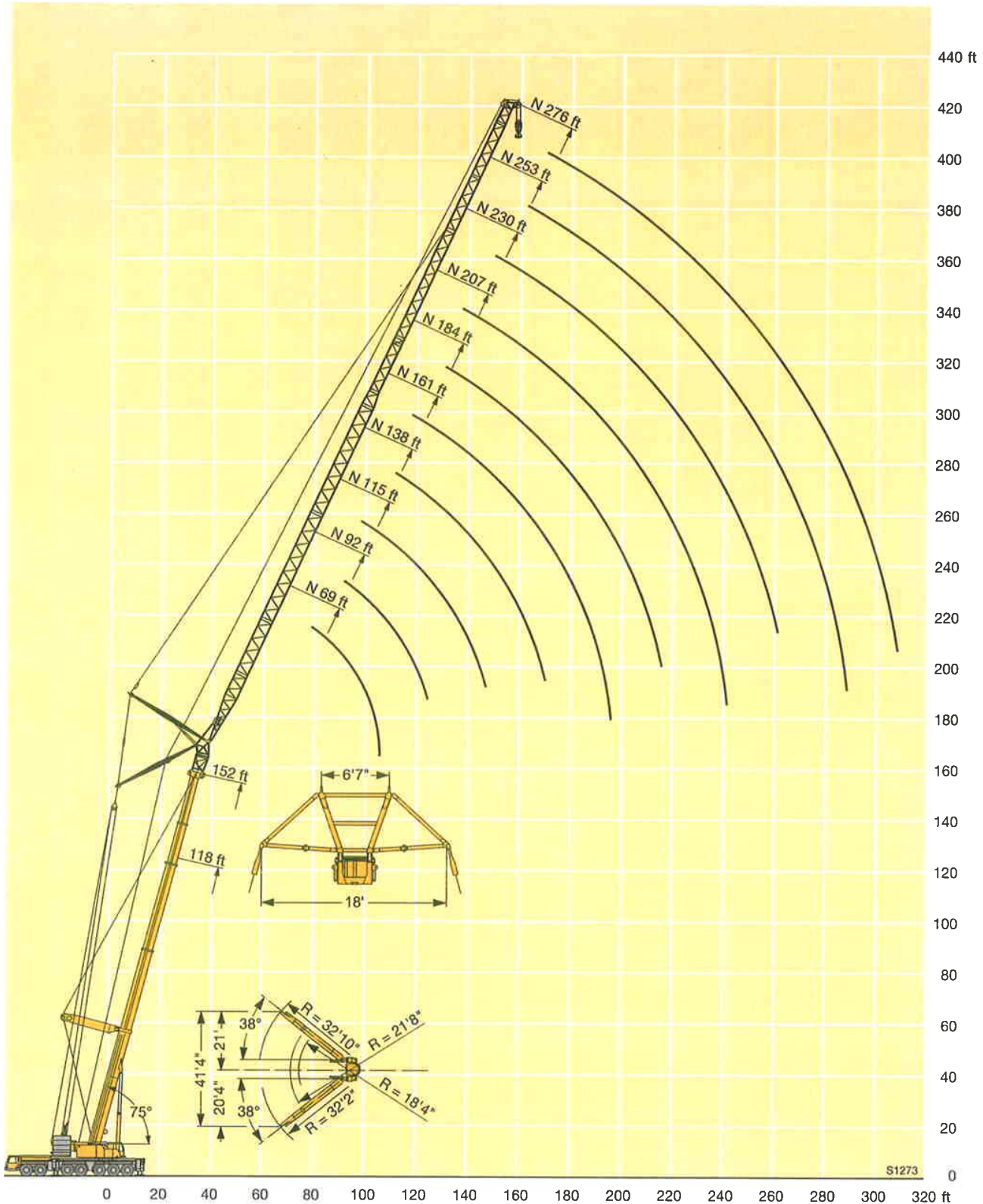
Forces de levage à la fléchette treillis relevable avec flèche télescopique haubannée

 118 – 186 ft 75°		 38°		 69 – 276 ft		 360°		 220500 lbs		 85%																																							
 ft											118 + 13 ft*										152 ft + 13 ft*										186 ft + 13 ft*								 ft										
											ft										ft										ft																		
											69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207												
											70	111																											70										
											75	106	96.5																									75											
											80	99.5	95.5																								80												
											85	93.5	89.5																									85											
											90	88	84.5	79.5																								90											
											95	83.5	80	76.5	69.5																							95											
											100		75.5	72.5	68.5																								100										
											105		72	69	66.5																							105											
											110		68.5	65.5	63	58																							110										
											115		65.5	62.5	60	56.9	50																							115									
											120			59.6	57.2	54.9	49.5																								120								
											125			57	54.7	52.3	48.2																							125									
											130			54.6	52.3	50.1	47	41.7																						130									
											135			52.4	50.1	47.9	45.7	41	34.9																					135									
											140				48.1	45.9	44.2	40	34.6																					140									
											145				46.2	44.1	42.4	39	33.8																					145									
											150				44.4	42.3	40.6	38.2	33.1	28.8																				150									
											155				42.8	40.7	39	37	32.5	28.4																				155									
											160				41.1	39.2	37.5	35.6	31.8	27.9																				160									
											165					37.8	36.1	34.3	31.2	27.4	22.6																			165									
											170					36.4	34.8	32.9	30.6	26.9	22.6																			170									
											175					35.1	33.5	31.7	29.6	26.4	22.4																			175									
											180					33.7	32.3	30.5	28.4	26	22.1																			180									
											185						31.2	29.4	27.3	25.6	21.8																			185									
											190						30.1	28.4	26.3	25.1	21.5																			190									
											195						29	27.4	25.3	24.4	21.2																			195									
											200						27.8	26.4	24.4	23.6	20.9																			200									
											205						26.8	25.5	23.5	22.7	20.5																			205									
											210							24.6	22.7	21.8	20																			210									
											215							23.6	21.9	21	19.2																			215									
											220							22.7	21.1	20.3	18.5																			220									
											225							21.9	20.3	19.5	17.7																			225									
											230								19.6	18.8	17																			230									
											235								18.8	18.1	16.4																			235									
											240								18.1	17.5	15.7																			240									
											245								17.3	16.8	15.1																			245									
											250								16.7	16.1	14.5																			250									
											255								16	15.4	13.9																			255									
											260									14.8	13.4																			260									
											265									14.2	12.8																			265									
											270										13.6	12.2																		270									
											275									13	11.8																			275									
											280											11.4																		280									
											285											10.9																		285									
											290											10.5																		290									
											295											10.1																		295									
											300											9.7																		300									
											305																													305									

* adapter / pièce d'adaptateur

TAB 146506

Lifting heights Hauteurs de levage



Lifting capacities on the luffing lattice jib with guyed telescopic boom

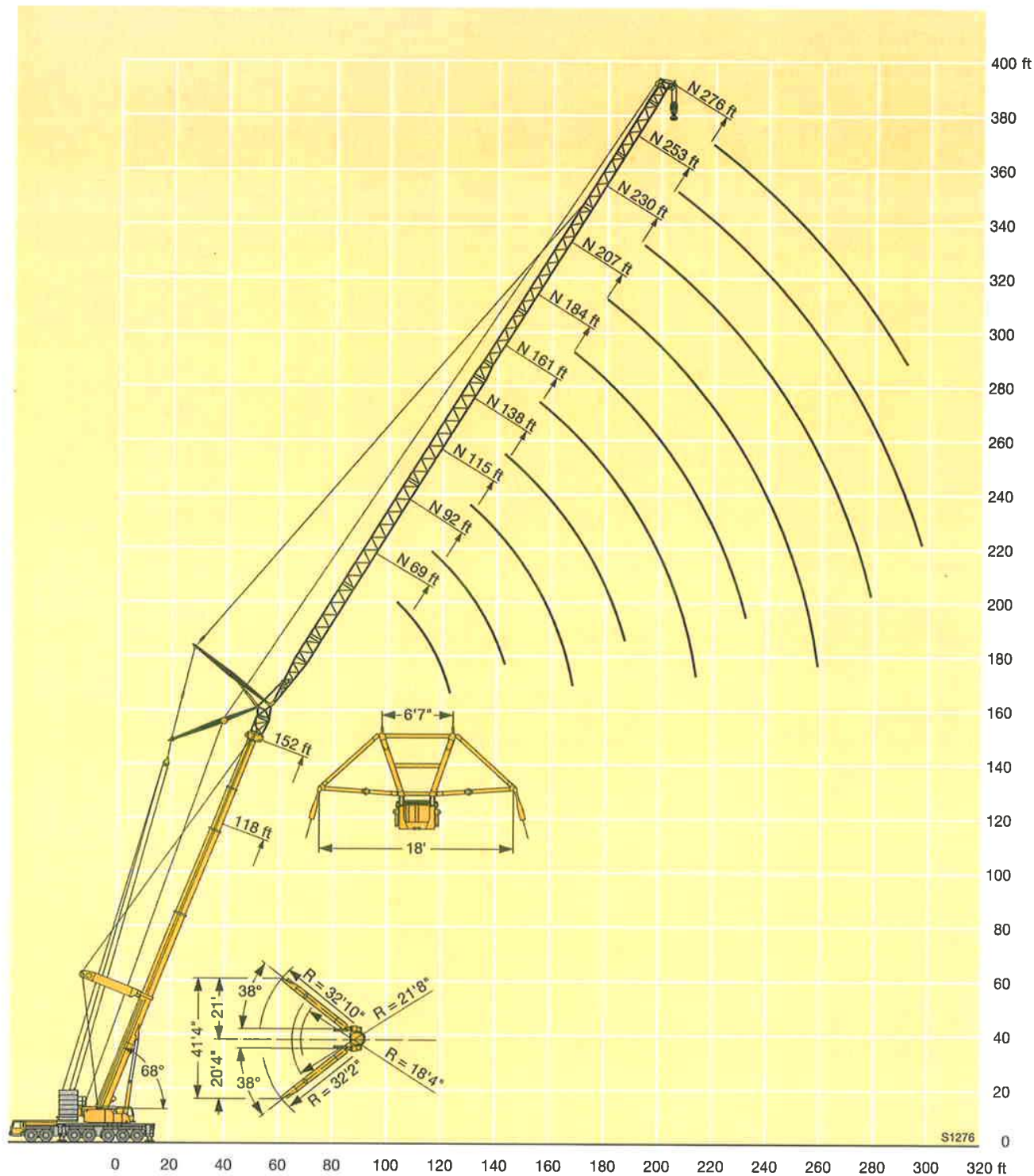
Forces de levage à la fléchette treillis relevable avec flèche télescopique haubannée

118 - 186 ft		38°		S		69 - 276 ft		360°		220500 lbs		85%																						
118 + 13 ft*											152 ft + 13 ft*											186 ft + 13 ft*												
ft											ft											ft												
ft	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	ft						
90	75.5																											90						
95	73																											95						
100	69	62.5																										100						
105	65.5	62.5									55.6																	105						
110	62.5	59.4									53.1																	110						
115		56.6	52.3								50.9	46.6																115						
120		54	51.4								49	45.9														37.2		120						
125		51.6	49									43.9														35.5		125						
130			49.5	46.9	44.2							42.2	39													34	31.2	130						
135				44.9	42.8							40.6	37.8													32.7	30.2	135						
140				43.1	41	37.4						39.1	36.4	32.5												28.9	25.2	140						
145				41.4	39.3	37.2							35.1	32.3												27.7	25.1	145						
150				39.8	37.7	35.7							33.9	31												26.7	24	150						
155				38.2	36.2	34.2	31.9						32.6	29.9	27.6											25.7	23	20.6	155					
160					34.9	32.9	31.2						31.4	28.8	27.2											22.1	20.2		160					
165					33.5	31.6	30						30.2	27.8	26.2											21.4	19.3		165					
170					32.3	30.4	28.8	26.8					29.1	26.7	25.3	22.5										20.7	18.5	16.5	170					
175					31	29.3	27.7	25.8						25.7	24.4	21.9										20.1	17.8	15.9		175				
180						28.2	26.6	24.8	22					24.8	23.5	21.2	18.4									19.7	17.2	15.3	12.4	180				
185						27.2	25.6	23.8	21.8					23.9	22.6	20.4	18.3										16.7	14.7	12.3		185			
190						26.2	24.7	22.9	20.8					23	21.8	19.7	17.7											16.1	14.1	11.8		190		
195						25.2	23.8	22	20	18.9					21	18.9	17	14.8										15.6	13.6	11.3	9.6	195		
200						24.2	22.9	21.2	19.2	18.4	15.9					20.2	18.2	16.4	14.4									15.3	13.2	10.9	9.3	200		
205							22.1	20.4	18.4	17.6	15.7					19.5	17.5	15.7	13.9	11.7									12.8	10.5	8.9		205	
210							21.3	19.6	17.6	16.8	15					18.8	16.8	15.1	13.4	11.7									12.4	10.2	8.6		210	
215							20.4	18.9	16.9	16.1	14.3					18.2	16.1	14.4	12.9	11.3									12	9.8	8.2		215	
220							19.6	18.2	16.2	15.5	13.6						15.5	13.8	12.4	11	8.8								11.7	9.5	7.8		220	
225								17.5	15.6	14.8	13						15	13.3	11.9	10.5	8.6									11.6	9.2	7.5		225
230								16.8	15	14.2	12.4						14.4	12.7	11.4	10	8.2										8.9	7.2		230
235								16.2	14.4	13.6	11.8						13.9	12.2	10.9	9.5	7.7										8.5	6.9		235
240								15.5	13.8	13	11.2							11.7	10.4	9	7.2										8.3	6.6		240
245								14.8	13.3	12.5	10.7							11.2	9.9	8.5	6.7										8.1	6.3		245
250									12.7	11.9	10.2							10.8	9.4	8.1	6.3											6.1		250
255									12.2	11.4	9.7							10.4	9	7.6	5.8											5.8		255
260									11.7	11	9.2								10	8.6	7.2	5.4										5.6		260
265									11.3	10.5	8.7									8.2	6.8	5										5.5		265
270										10	8.3									7.8	6.4	4.7												270
275										9.6	7.9									7.4	6	4.3												275
280										9.2	7.5										7	5.7	3.9											280
285										8.8	7.1											5.3	3.6											285
290										8.4	6.7											5	3.3											290
295										8.1	6.3											4.7	2.9											295
300										6												4.4	2.6											300
305											5.6												2.3											305
310											5.3																							310

* adapter / pièce d'adaptateur

TAB 146509

Lifting heights Hautours de levage



Lifting capacities on the luffing lattice jib with guyed telescopic boom

Forces de levage à la fléchette treillis relevable avec flèche télescopique haubanée

ft																								
118 ft + 13 ft*																								
ft																								
115	115	138	161	184	207	230	253	276	115	138	161	184	207	230	253	276	115	138	161	184	207	115		
120	59.9																						120	
125	57.5																						125	
130	54.8	51.7							39														130	
135	52.3	50.4							37.8														135	
140	49.9	48.5	44.1						36.4	32.5							25.2						140	
145	47.7	46.4	43.9						35.1	32.3							25.1						145	
150	45.7	44.4	42.5						34.1	31							24						150	
155	43.8	42.5	41	37.3					33.1	29.9	27.6						23	20.6					155	
160		40.7	39.5	36.8					32.3	28.9	27.2						22.1	20.2					160	
165		39.1	37.8	35.8					31.6	28.1	26.2						21.4	19.3					165	
170		37.5	36.2	34.9	31.6				31.5	27.4	25.3	22.5					20.7	18.5	16.5				170	
175		36	34.8	33.6	31				26.7	24.6	21.9						20.1	17.8	15.9				175	
180			33.4	32.3	30.3	26.2			26	23.9	21.2	18.4					19.7	17.2	15.3	12.4			180	
185			32.1	31	29.6	26			25.5	23.3	20.5	18.3					16.7	14.7	12.3				185	
190			30.8	29.7	28.4	25.4			25.3	22.7	19.8	17.7					16.1	14.1	11.8				190	
195			29.7	28.6	27.3	24.9	21.9		22.1	19.3	17	14.8		14.8			15.6	13.6	11.3	9.6			195	
200			28.6	27.4	26.2	24.3	21.6	18.4	21.5	18.8	16.4	14.4					15.3	13.2	10.9	9.3			200	
205				26.4	25.1	23.6	21.1	18.3	21.1	18.2	15.9	13.9	11.7					12.8	10.5	8.9			205	
210				25.4	24.1	22.6	20.7	17.9	20.8	17.6	15.3	13.4	11.7					12.4	10.2	8.6			210	
215				24.4	23.2	21.6	20.2	17.5	20.8	17	14.8	12.9	11.3					12	9.8	8.2			215	
220				23.5	22.3	20.7	19.8	17.1		16.5	14.3	12.4	11	8.8				11.7	9.5	7.8			220	
225					21.4	19.9	19.3	16.8		16.1	13.9	11.9	10.6	8.7				11.6	9.2	7.5			225	
230					20.6	19.1	18.6	16.4		15.9	13.4	11.6	10.1	8.3					8.9	7.2			230	
235					19.8	18.3	17.7	16.1		15.8	12.9	11.2	9.7	7.9					8.5	6.9			235	
240					19.1	17.6	17	15.5			12.5	10.8	9.4	7.5					8.3	6.6			240	
245					18.4	16.8	16.3	14.9			12.2	10.5	9	7.2					8.1	6.3			245	
250						16.1	15.6	14.2			12	10.2	8.7	6.8						6.1			250	
255						15.5	14.9	13.5			12	9.8	8.4	6.4						5.8			255	
260						14.9	14.3	12.8			12	9.5	8.1	6.2						5.6			260	
265						14.3	13.7	12.3				9.3	7.8	5.9						5.5			265	
270							13.1	11.8				9.1	7.5	5.6									270	
275							12.5	11.4				9.1	7.3	5.4									275	
280							12.1	11				9.1	7	5.1									280	
285							11.7	10.6					6.7	4.9									285	
290							11.3	10.2					6.6	4.6									290	
295							10.9	9.8					6.6	4.4									295	
300								9.4					6.6	4.1									300	
305								9						3.9									305	
310								8.7						3.8									310	
315														3.8									315	
320														3.8									320	
325														3.8									325	

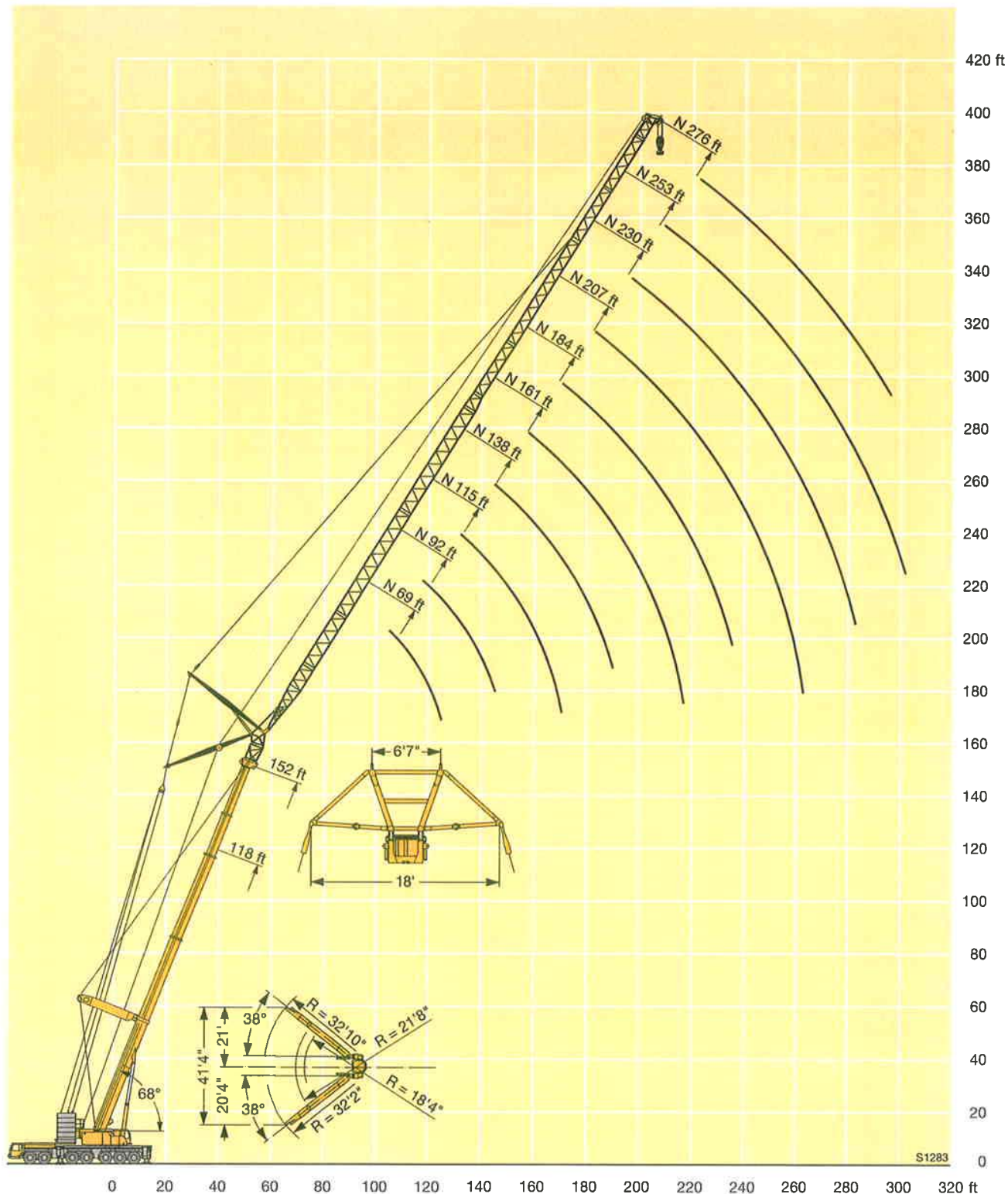
* adapter / pièce d'adaptateur

TAB 146500

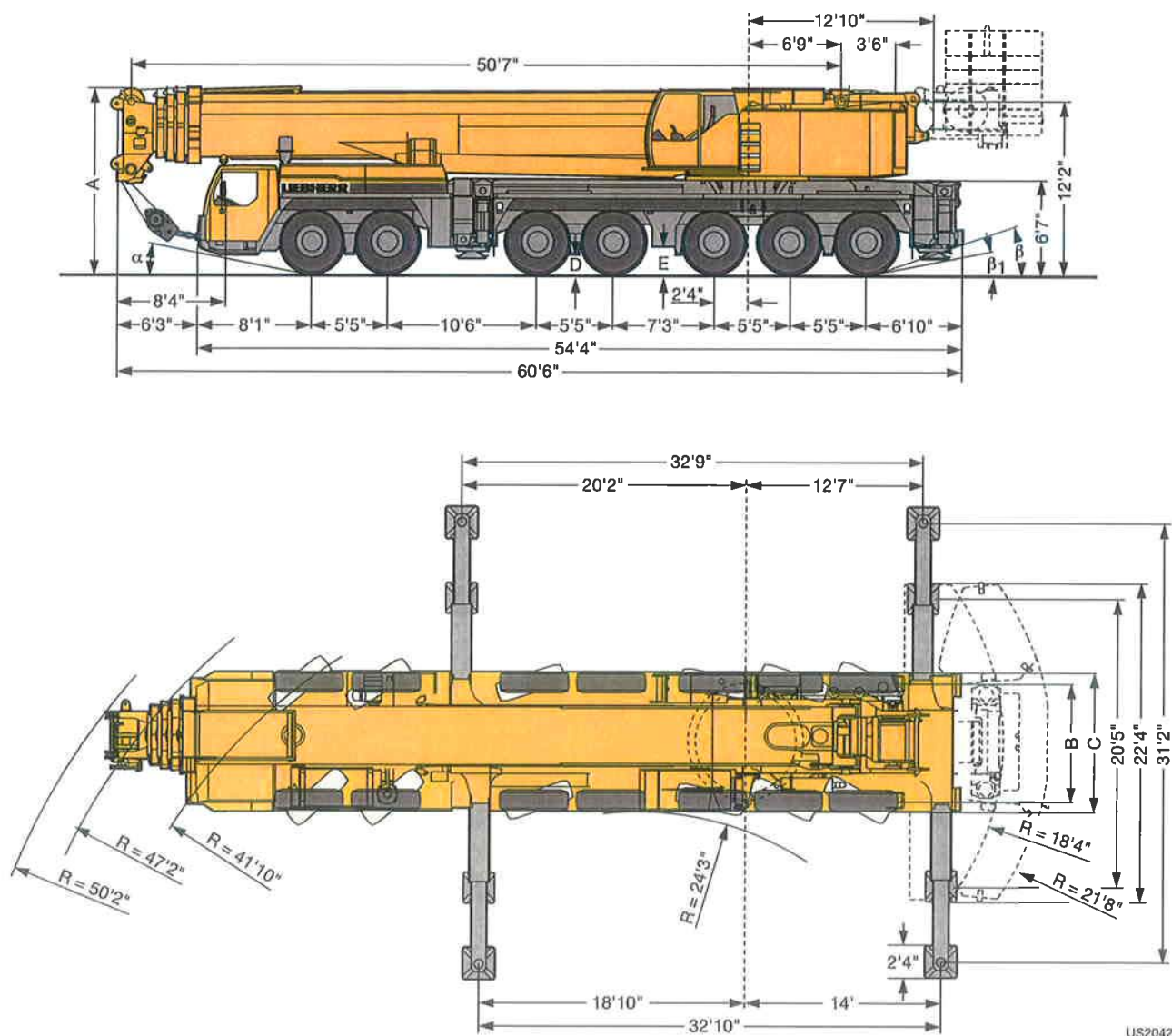
* adapter / pièce d'adaptateur

TAB 146507

Lifting heights Hauturs de levage



Dimensions Encombrement



US2042

	Dimensions / Encombrement								
	A	A	B	C	D	E	α	β	β_1
16.00 R 25	13'1"	6" / 4"*	8'4"	9'10"	1'3"	1'6"	11°	19°	11°
20.5 R 25	13'1"	12'10"	8'10"	10'7"	1'3"	1'6"	11°	19°	11°

* lowered / abaissé

Weights Poids



Axle Essieu lbs	1	2	3	4	5	6	7	Total weight (lbs) Poids total lbs
	26400	26400	26400	26400	26400	26400	26400	185000 lbs



Load (kips) Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
525.5	11	22	8149
443	9	18	7268
376	7	14	5947
285	5	10	5066
187	3	6	3964
82	1	3	3083
28	-	1	1321

Working speeds Vitesses



16.00 R 25	mph	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
		3.5	4.5	5.8	7.5	9.5	12.2	16.1	20.6	26.7	34.2	43.4	50	3.8	4.9	39.7 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 426 ft/min single line ft/min au brin simple	1" / 1542 ft	28415 lbs
	0 – 426 ft/min single line ft/min au brin simple	1" / 1542 ft	28415 lbs
	0 – 492 ft/min single line ft/min au brin simple	1" / 2542 ft	28415 lbs
	0 – 1.5 min ⁻¹		
	approx. 70 seconds to reach 82° boom angle env. 70 s jusqu'à 82°		
	approx. 380 seconds for boom extension from 51 ft – 197 ft env. 380 s pour passer de 51 ft – 197 ft		

Crane carrier

Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.
Outriggers	Four hydraulically extendable sliding beams with hydraulic supporting rams and supporting pads fixed for the transport. The front outrigger casing is located between axles 2 and 3, the rear outrigger casing at the rear of the carrier. Supporting basis: 32,8 ft longitudinally x 31,2 ft transversally.
Engine	8-cylinder Diesel, make Liebherr, type D9508 A7, watercooled, output 450 kW (612 h.p.) at 1900 min ⁻¹ . Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Max. torque 2095 lbs-ft at 1100 – 1500 min ⁻¹ . Fuel reservoir: 153 gallons.
Transmission	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.
Axles	Robust crane carrier axles. All axles steered, axles 1, 3 and 5 are driven planetary axles, axle 3 with longitudinal differential, all driven axles with transverse differential.
Cardan shafts	All cardan shafts with 70° diagonal toothing.
Suspension	All axles on hydropneumatic suspension with automatic levelling control. Automatic axle pressure equalization between the axle pairs 1 + 2, 3, 4 + 5 and 6 + 7. The suspension can be blocked hydraulically.
Tyres	14-fold, all axles equipped with single tyres. Tyre size: 16.00 R 25.
Steering	ZF semi-integral power steering, dual circuit system with hydraulic servo mechanism and additional emergency pump driven by the axle, acting on the mechanically interlinked axles 1 – 3. Axles 4 – 7 are steered electrohydraulically during road displacement and fixed to straight displacement from 18 mph. Steering in accordance with EC recommendation 70/311/EEC.
Brakes	Service brake: All-wheel servo-air brake, dual circuit system. Additional brakes: Exhaust pipe flap retarder, retarder mounted to shift gear, TELMA-type eddy current brake (optional). Hand brake: Spring-loaded brake, acting on all wheels of the 2nd to the 7th axle. Brakes acc. to EG directives 71/320 EWG.
Driver's cab	Spacious cab of sheet steel, on rubber shock absorbers. Safety glass windows.
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each, lighting acc. to German regulations StVZO.

Crane superstructure

Frame	Self-manufactured, torsion-resistant welded construction of high-tensile fine grained steel, linked to the carrier by a three-row roller slewing rim for continuous rotation.
Crane engine	6-cylinder Diesel engine, make Liebherr, type D936L A6, watercooled, 240 kW (326 HP) at 1800 min ⁻¹ , max. torque 1125 lbs-ft at 1500 min ⁻¹ . Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel tank: 66 gallons.
Crane drive	Diesel-hydraulic with 4 axial piston variable displacement pumps with servo-control and capacity regulation.
Control	Two self-centering control levers (Joy-stick type). Stepless control of all crane motions by variation of the hydraulic pumps, additional speed regulation by variation of the Diesel engine speed.
Hoist gear	Axial piston variable displacement motor, Liebherr rope winch with integrated planetary gear and spring-loaded static brake.
Luffing gear	2 differential rams with safety check valve.
Slewing gear	Hydraulic motor, planetary gear, slewing pinion and spring-loaded static brake.
Crane cab	Spacious cab in sheet steel version, with safety glazing, operating and control elements. Cab inclinable to the rear.
Safety devices	LICCON safe load indicator, hoist limit switches, safety valves against rupture of pipes and hoses.
Counterweight	220500 lbs counterweight comprising: 1 base slab 33000 lbs, 6 slabs of 22000 lbs each, 5 slabs of 11100 lbs each. Hydraulic ballasting device at the counterweight frame.
Telescopic boom	1 base section and 4 telescopic sections. All telescopic sections extendable individually by rapid-cycle telescoping system TELEMATIK. Boom length: 51 ft – 197 ft.
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Telescopic boom guying system	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position.
Bracing	Spacer 18' width
Lattice jibs	Fixed lattice jib 23 ft – 184 ft long, at 0°, 20° or 40°, lattice luffing jib 46 ft – 276 ft long.
2nd hoist gear	For 2-hook operation.
3rd hoist gear	For the variation of the lattice luffing jib.
Additional ballast	4 additional counterweight slabs of 22 kips each for a total counterweight of 308600 lbs.
Drive 14 x 8	The 6th axle is driven additionally.

Other items of equipment available on request.

Châssis porteur

Châssis	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.
Stabilisateurs	Quatre poutres télescopiques hydrauliques avec vérins de calage hydrauliques et patins de calage fixes lors du transport. Le support avant des poutres télescopiques est fixé entre les essieux 2 et 3, le support arrière à l'arrière du châssis porteur. Base de calage: 32,8 ft long x 31,2 ft transversal.
Moteur	Moteur diesel, 8 cylindres, fabriqué par Liebherr, de type D9508 A7, à refroidissement par eau, de 450 kW (612 ch) à 1900 min ⁻¹ . Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Couple max. 2095 lbs-ft à 1100 – 1500 min ⁻¹ . Capacité du réservoir à carburant: 153 gallons.
Réducteurs	Système de réducteurs automatique avec convertisseur-embayage, marque ZF, type TC-TRONIC avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.
Essieux	Essieux robustes. Tous essieux directeurs, essieux 1, 3 et 5 moteurs, essieu 3 avec différentiel longitudinal, tous les essieux directeurs avec différentiel transversal.
Flasque de croisillons	Tous les flasques de croisillons avec denture en croix 70°.
Suspension	Tous les essieux sont suspendus hydro-pneumatiquement avec une régulation automatique de niveau. Compensation de charge sur les essieux 1 + 2, 3, 4 + 5 et 6 + 7. Suspension à blocage hydraulique.
Pneumatiques	14 fois, chaque essieu est équipé de pneus. Monte de pneumatiques: 16.00 R 25.
Direction	Direction hydraulique semi-bloc ZF, 2 circuits avec servocommande hydraulique et pompe de secours supplémentaire, entraînée par l'essieu, action sur les essieux 1 à 3 liés mécaniquement. En mode de translation sur route, direction électro-hydraulique des essieux 4 à 7 et conduite en ligne droite activée à partir de 18 mph. Direction conforme à la directive européenne 70/311/CEE.
Freins	Frein de service: servo-frein pneumatique pour toutes les roues, 2 circuits. Freins supplémentaires: frein avec clapet sur échappement, ralentisseur, monté sur boîte de vitesse, frein Telma (en option). Frein à main: accumulateur à ressort, agissant sur toutes les roues des essieux 2 à 7. Freins conformes aux directives européennes 71/320 CE.
Cabine porteur	Cabine spacieuse en tôle électrozinguée, suspension par silent blocs. Vitres de sécurité.
Circuit électrique	Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de chacune 170 Ah, éclairage conforme au code de la route allemand.

Partie tournante

Châssis	Structure soudée de fabrication Liebherr, résistante à la torsion, en acier à grains fins très résistant. Une couronne d'orientation à roulements à 3 rangées, servant d'élément de liaison avec le châssis porteur, permet une rotation illimitée de la partie tournante.
Moteur de la grue	Diesel, 6 cylindres, marque Liebherr, type D936L A6, refroidi par eau, puissance 240 kW (326 ch) à 1800 min ⁻¹ , couple max. 1125 lbs-ft à 1500 min ⁻¹ . Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Réservoir à carburant: 66 gallons.
Entraînement	Diesel-hydraulique avec pompes à débit variable à 4 pistons axiaux, servocommande et régulation de la puissance.
Commande	Deux manipulateurs à 4 directions, à centrage automatique. Régulation progressive de tous les mouvements de la grue par réglage des pompes hydrauliques. Régulation supplémentaire de la vitesse par réglage du régime du moteur diesel.
Treuil de levage	Moteur à cylindrée variable à pistons axiaux, treuil Liebherr avec réducteur planétaire intégré et frein d'arrêt commandé par ressort.
Mécanisme de relevage	2 vérins différentiels avec clapet de sécurité anti-retour.
Mécanisme d'orientation	Moteur hydraulique, réducteur planétaire, pignon du mécanisme d'orientation et frein d'arrêt commandé par ressort.
Cabine tourelle	Cabine spacieuse en tôle électrozinguée avec vitres de sécurité, instruments de commande et de contrôle, cabine inclinable vers l'arrière.
Dispositif de sécurité	Contrôleur de charge LICCON, limiteur de course, clapets de sécurité contre les ruptures de conduites et de flexibles.
Contrepoids	Contrepoids de 220500 lbs composé de: 1 plaque de base de 33000 lbs, 6 éléments de 22000 lbs, 5 éléments de 11100 lbs. Dispositif de lestage hydraulique au support contrepoids.
Flèche télescopique	1 élément de base et 4 éléments télescopiques. Tous les éléments télescopiques peuvent être sortis individuellement grâce au système de télescopage rapide TELEMATIK. Longueur de la flèche: 51 ft – 197 ft.
Circuit électrique	Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de chacune 170 Ah.

Équipement supplémentaire

Haubanage de la flèche télescopique	Composé du chevalet d'haubanage avec haubanage du câble, rabattable hydrauliquement en position de transport.
Haubanage	Pièce intermédiaire de largeur 18'
Fléchette à treillis	Fléchette à treillis fixe de 23 ft – 184 ft, montage possible sous 0°, 20° ou 40°, fléchette à treillis à volée variable de 46 ft – 276 ft.
2ème treuil de levage	Pour le mode 2 crochets.
3ème treuil de levage	Pour le réglage de la fléchette à treillis.
Contrepoids complémentaire	4 plaques complémentaires de 22 kips, pour une masse totale de 308600 lbs.
Entraînement 14 x 8	Le 6ème essieu est également entraîné.

Autres équipements supplémentaires sur demande.

