

XCA500 All Terrain Crane

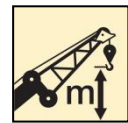
Technical specifications



500t



84m



125m

XCA500

XCMG ALL TERRAIN CRANE

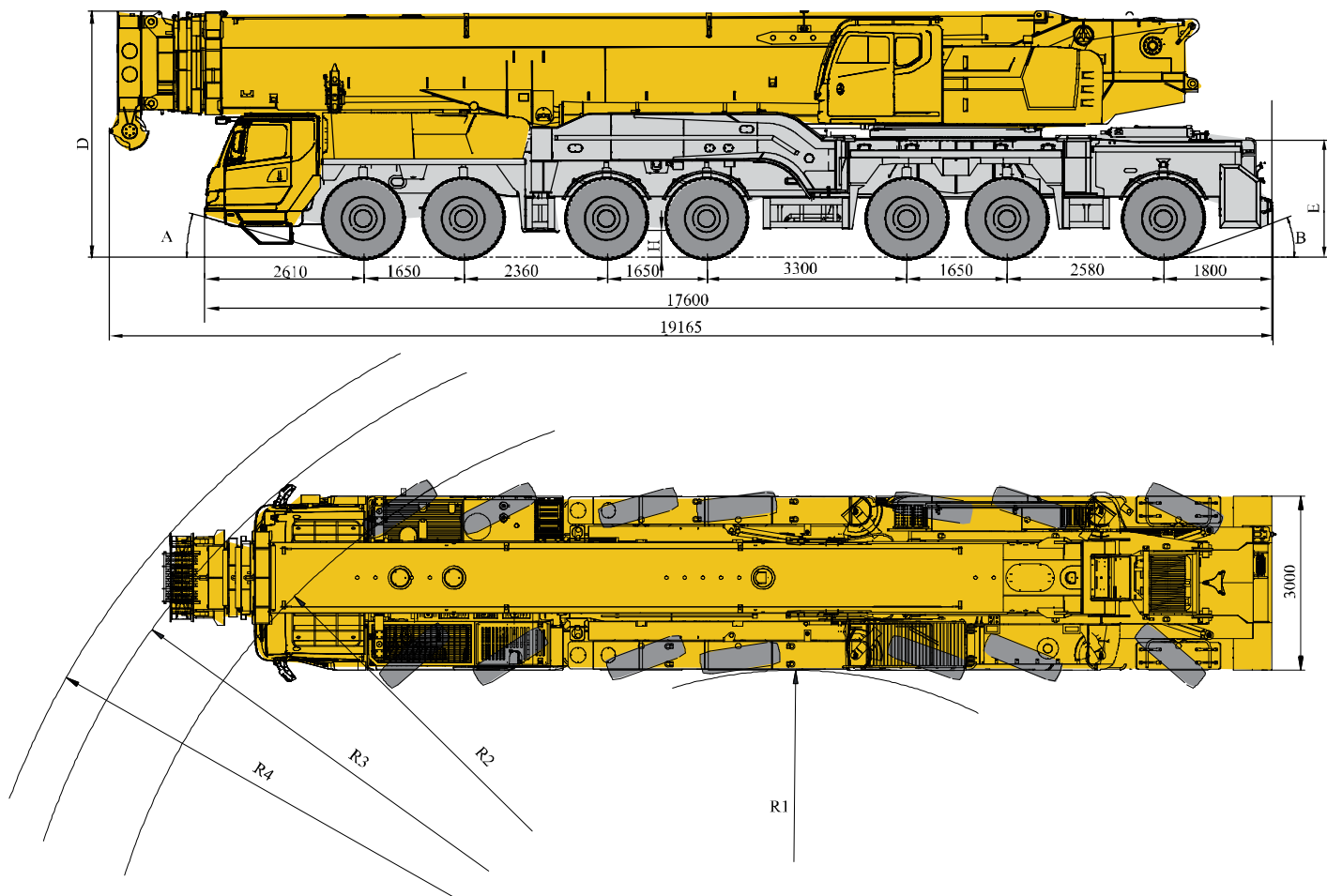
500t LIFTING CAPACITY

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Dimensions

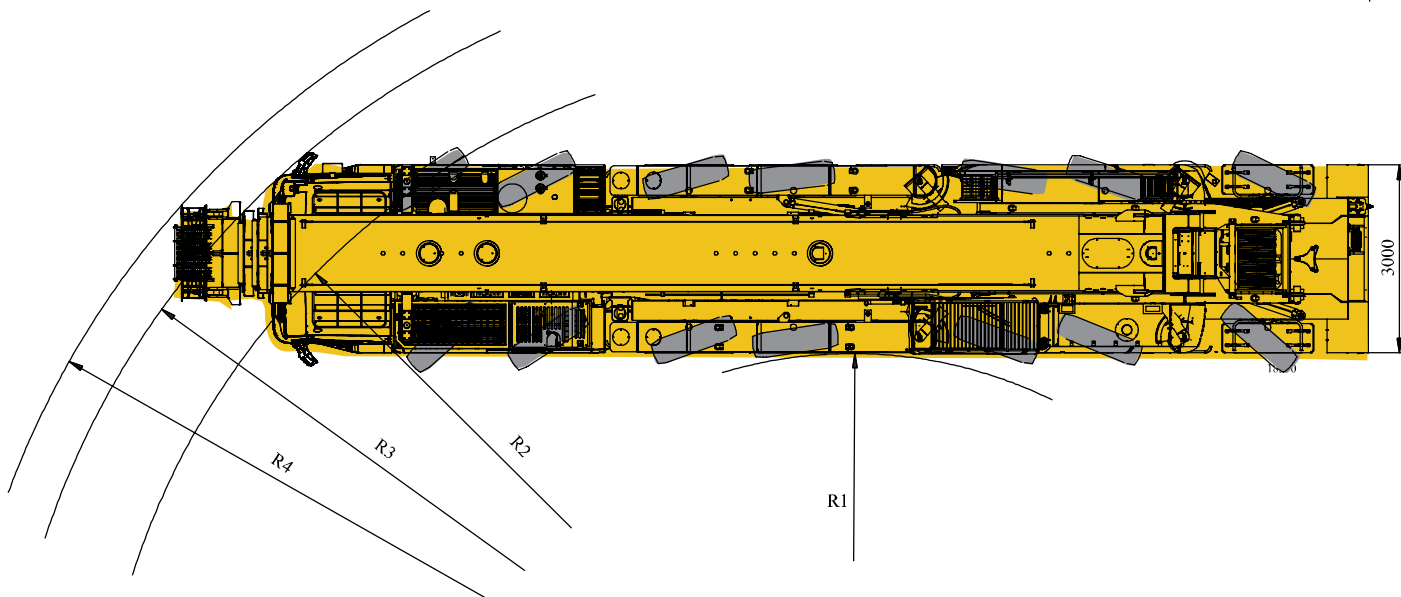
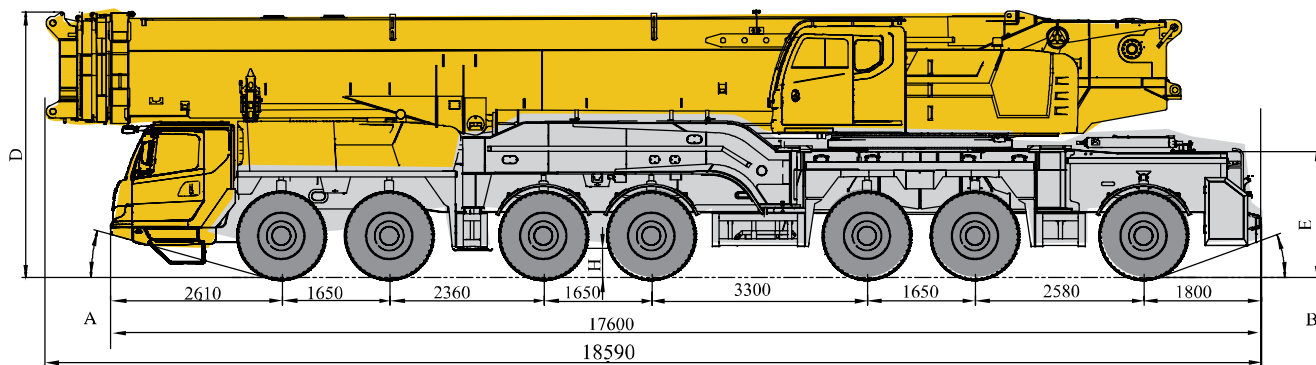
China V chassis



	A	B	D	E	H	R1	R2	R3	R4
385/95 R 25 (14.00 R 25)	16°	20°	4000mm	1965mm	280mm	7180mm	12000mm	13500mm	14240mm
445/95 R 25 (16.00 R 25)	17°	22°	4050mm	2015mm	330mm	7180mm	12000mm	13500mm	14240mm

Dimensions

China VI chassis



	A	B	D	E	H	R1	R2	R3	R4
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Technical specifications



Chassis


Frame	Designed and manufactured by XCMG, made of high strength steel with inverted trapezoid cross section.
Outriggers	4 outriggers with X-shaped arrangement, Side swing, longitudinal and vertical extending and retracting are hydraulic controlled. Check valve is fitted at each outrigger oil cylinder and each jack is fitted with a double-way hydraulic valve. There are two auxiliary outriggers for helping self-mounting of front outrigger beams. There is an electric control panel fitted at each side of the chassis with luminous level gauge, lamp and accelerator buttons.
Engine	WP15H660E61, made by WeiChai, with rated power of 485 kW/1800 rpm and max. torque of 3200 Nm/900-1400 rpm, compliant with China VI emission standard. Fuel tank capacity: approx. 600L.
Hydraulic system	The variable displacement pump is connected to the engine through PTO for controlling the movements of outriggers, steering, suspension and heat dissipation.
Transmission	American Allison electric control transmission with automatic operation, torque converter and retarder brake; 7 forward gears and 1 reverse gear . Electric controlled transmission imported from ZF Germany, with manual MT and automatic AT control, equipped with torque converter and retarded brake, with 12 forward gears and 2 reverse gears available.
Transfer case	German KESSLER mechanical transfer gear is equipped with emergency steering pump.
Axles	High strength axle with reliable performance, imported originally from KESSLER Germany, equipped with pneumatically controlled disc brake. Four axles for driving: 14×8×14.




Chassis

Suspension	Hydro-pneumatic suspension is adopted for all axles, providing good shock absorbing effect. Functions of automatic leveling, suspension lifting, elastic/rigid state switch-over, etc. are available. The stroke of suspension cylinder is -100mm~+140mm.
Tires	Double Coin 14 tires, each axle is equipped with single-tire, with large bearing capacity. Tire specifications: 445/95R25(16.00R25).
Steering	All axles steering, 1st to 3rd axles are mechanically steered plus hydraulic booster, 4th to 7th axles are electric-control hydraulic steering. It is suitable for various demands of working conditions and several steering modes can be realized.
Brakes	Service brake: double-circuit air pressure brake, acting on all wheels. Parking brake: spring-loaded brake, acting on wheels of axles 2-6. Auxiliary brake: engine brake, transmission retarder brake and eddy current retarder brake.
Driver's cab	New type steel structure full dimension cab, equipped with adjustable seats, safety glass, electrically operated door window lifter, electric-adjustable mirrors, steering wheel adjustable in height and angle, large screen liquid crystal display, etc. Combined control panel arranged safely, reasonably and ergonomically presents humanized design concept.
Electrical System	DC 24 V, with four sets of 12 V batteries in series and parallel.

Technical specifications

	Superstructure
Frame	Designed and manufactured by XCMG, made of high-strength steel.
Hydraulic system	Electric proportional variable pump is used for lifting and slewing operations; the open pump is used for telescoping and luffing operations. Imported electro-hydraulic change valve, matching perfectly and stably with variable piston pump, contributes to smooth starting and stopping. Large power air-cooled hydraulic oil cooler, which may effectively reduce the oil temperature in the system.
Operating mode	Infinite speed regulation, electric proportional pilot control. All movements are controlled by 2 control levers.
Main winch	Driven by a hydraulic motor, with build-in planetary gear reducer and constant closed brake. Drum with Lebus grooves, imported wire rope and pouch socket are available.
Slewing system	Three row roller external tooth slewing ring and right-arranged double slewing mechanism. driven by a hydraulic motor, with a planetary gear reducer and a normally closed brake equipped, for 360° continuous rotation. Power control and free slewing function as well as stepless speed regulation are available.
Operator's cab	Large arc glass, swing-out door, adjustable seat, equipped with safety glass and top protective rails, LMI, controller box, electric wind shield wipers, engine accelerator pedal, engine start switch and windshield visor, etc. are also available. Air conditioner are standard.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic double-way valve, LMI, joystick spring return system are available. Lowering limiter is equipped in winch to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. Anemometer is equipped to check whether aerial wind velocity is in safe working range.
Combined counterweight	Counterweight A: 18 t Counterweight B: 3 t Counterweight C: 10 t×14

	Superstructure
LMI	When the actual load moment is approaching overloading value, audible warning will be sent out, and the dangerous operation will be automatically stopped ahead of overloading. Overload memory function (black box) and fault self-diagnosis function are available.
Electrical System	DC 24 V, with four sets of 12 V batteries in series and parallel.
Hook block	90 t hook block
Winch for luffing jib	It consists of a sheave block for luffing the system for luffing jib.
Boom	7-section boom with U cross-section, welding structure. Single cylinder pinning telescoping system is adopted. One double-acting cylinder with safety valve is used for controlling the telescoping movements of all boom sections with 46%, 92% and fully-extended telescoping pattern available. Boom length: 16.1 m~85 m
Fixed jib	Lattice welding structure with 0°, 20° and 40° jib offset angles available. Fixed jib length: 6 m~42 m.
Luffing jib	Lattice type welding structure; three boom angles: 68°, 75°, 82°. Luffing jib length: 18~84 m
Super-lifting	Y-shaped, installed at top of base boom, wire rope with double parts of line contributes to twofold pulling force. With the boom extended out, the deflection could be decreased by 20%~30%, multiplying the lifting performance.
Wind power head jib	Lattice welding structure. Wind power jib head length: 14m (with super lifting device included).

Version and optional equipment

Version	Function description	Selection
Standard	Boom + super lifting device + wind power jib (7-section boom of 85 m and wind power jib of 14 m)	
Strengthened	Boom + super lifting device+ wind power jib + fixed jib (7-section boom of 85 m, wind power jib of 14 m, and fixed jib of 42 m)	
Full configuration	Boom + super lifting device+ wind power jib+fixed jib + luffing jib (7-section boom of 85 m, wind power jib of 14 m, fixed jib of 42 m, and luffing jib of 84 m)	

Optional equipment		Selection
Hook block	175 t	
OBU device		
Notes:		
The options are available for three versions.		
The optional tires can be purchased in XCMG spare parts sales department.		

Weight



Axle	1	2	3	4	5	6	7	Total weight
t	12	12	12	12	12	12	12	84 ¹⁾
t	13.6	13.6	13.6	14.7	14.7	14.7	14.7	100 ²⁾
t	17.4	17.4	17.4	15.4	15.4	15.4	15.4	114 ³⁾

1) For the superstructure, 5th~7th boom sections, counterweight, super lifting device, hook block and jib are excluded. For the chassis, rear outriggers, spare tire and outrigger floats are excluded.

Driving type: 14×8; tire specification: 445/95R25

2) For the superstructure, counterweight, super lifting device, single top, hook block and jib are excluded.

Driving type: 14×8; tire specification: 445/95R25

3) For the superstructure, counterweight, hook block and jib are excluded.

Driving type: 14×8; tire specification: 445/95R25

The normal weight and axle load listed in the table are values when 445/95R25 tires are equipped.

When equipped with optional tires 385/95R25, the GVW is reduced by 924kg and the axle load for each axle is reduced by 132 kg.



Hook block	Parts of line	weight (kg)	Dimensions (mm)
175 t	15	3000	2216.5×1155×835 optional
90 t	7	1900	2157×1000×780 standard

Working speeds



445/95 R 25 (16.00 R 25)



2.2~80



42%



Drive



0-135 m/min, single line, 5th layer, no load

13.5 t

24 mm/490 mm



0-1.2 r/min

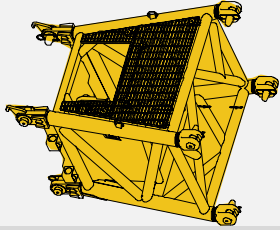
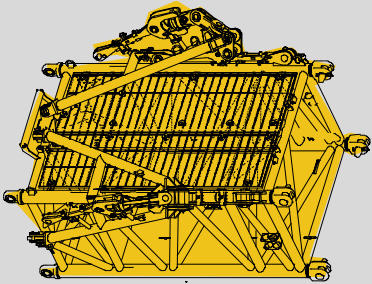
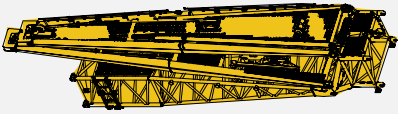
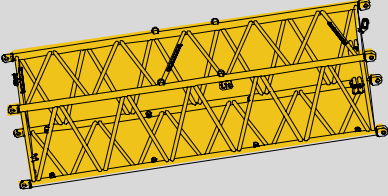
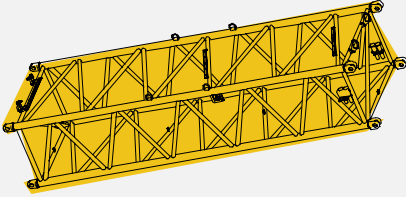
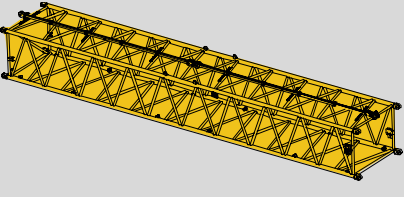
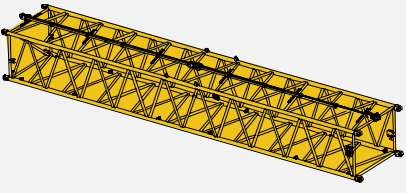


Approx. 90s for boom elevation from -0.5° to 82°

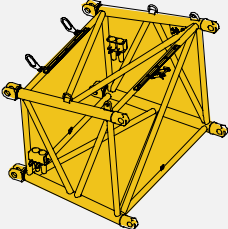
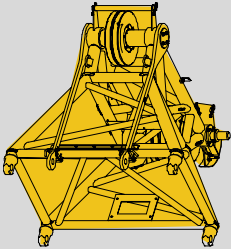
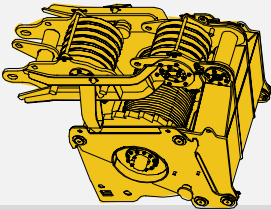
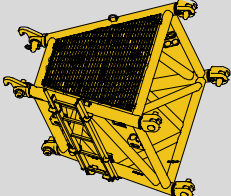
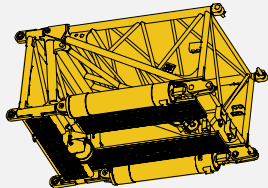
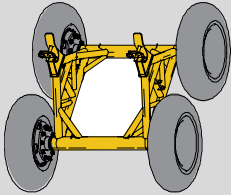
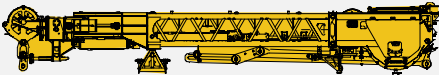


Approx. 950s for boom extension from 16.1m to 85m

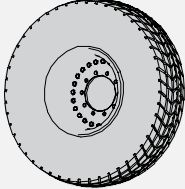
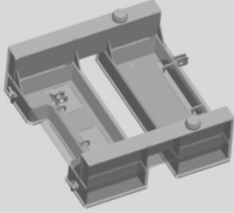
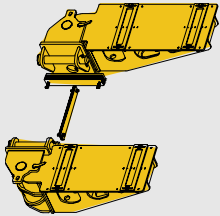
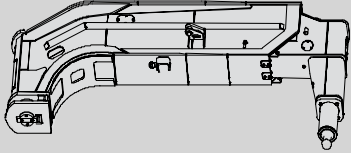
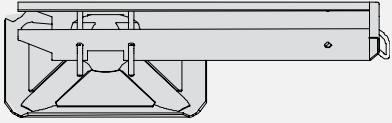
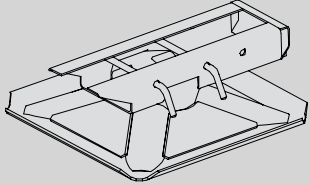
Dimensions of parts to be transported

Part name	Figure	Weight (kg)	Quantity	Dimensions (mm)
Connecting assembly		1500	1	2400×2100×1500
Wing-type connecting bracket		2820	1	3680×2963×2060
Installation assembly		10000	1	13206×2230×3131
Jib insert I		1100	2	6140×2030×1610
Jib insert II		1000	2	6140×1830×1310
Jib insert III		2000	2	12140×2030×1610
Jib insert IV		1900	2	12140×1830×1310

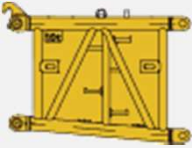
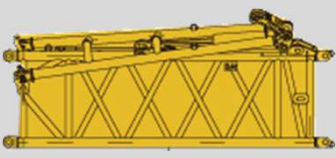
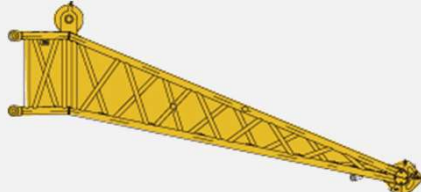
Dimensions of parts to be transported

Part name	Figure	Weight (kg)	Quantity	Dimensions (mm)
Transition section		400	1	1640×2030×1618
Jib head assembly		1000	1	1930×1830×2065
Winch for luffing jib		3800	1	2290×1500×1450
Connecting bracket		1200	1	2265×2080×1857
Rotating bracket		2650	1	4165×2370×2100
Pulley cart		980	1	2500×2100×1600
Super lifting device		15500	1	11224×1738×1749

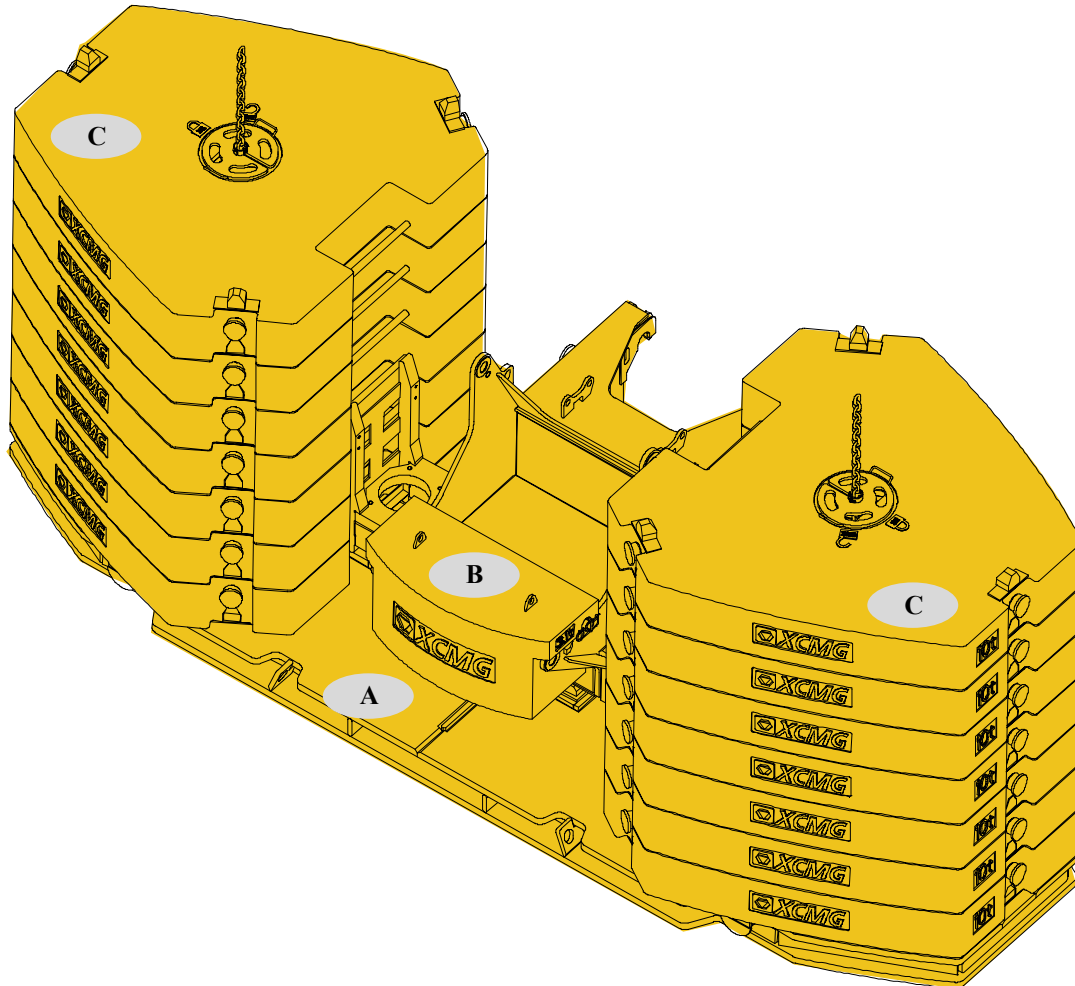
Dimensions of parts to be transported

Part name	Figure	Weight (kg)	Quantity	Dimensions (mm)
Spare tire		212	1	1360×1360×390
Counterweight bracket		2042	1	2150×2000×770
Super lifting device bracket		150	1	236×300×317+ 265×300×780
Rear outrigger beam		2900	2	4000×2050×550
Front outrigger float		70	2	1120×600×180
Rear outrigger float		65	2	600×600×180

Dimensions of parts to be transported

Part name		Figure	Weight (kg)	Quantity	Dimensions (mm)
	Connecting bracket		930	1	2200×1300×1700
Wind power jib	Wing-type connecting bracket		3350	1	5300×2500×2200
	Wind power jib head		1950	1	7800×1400×2300

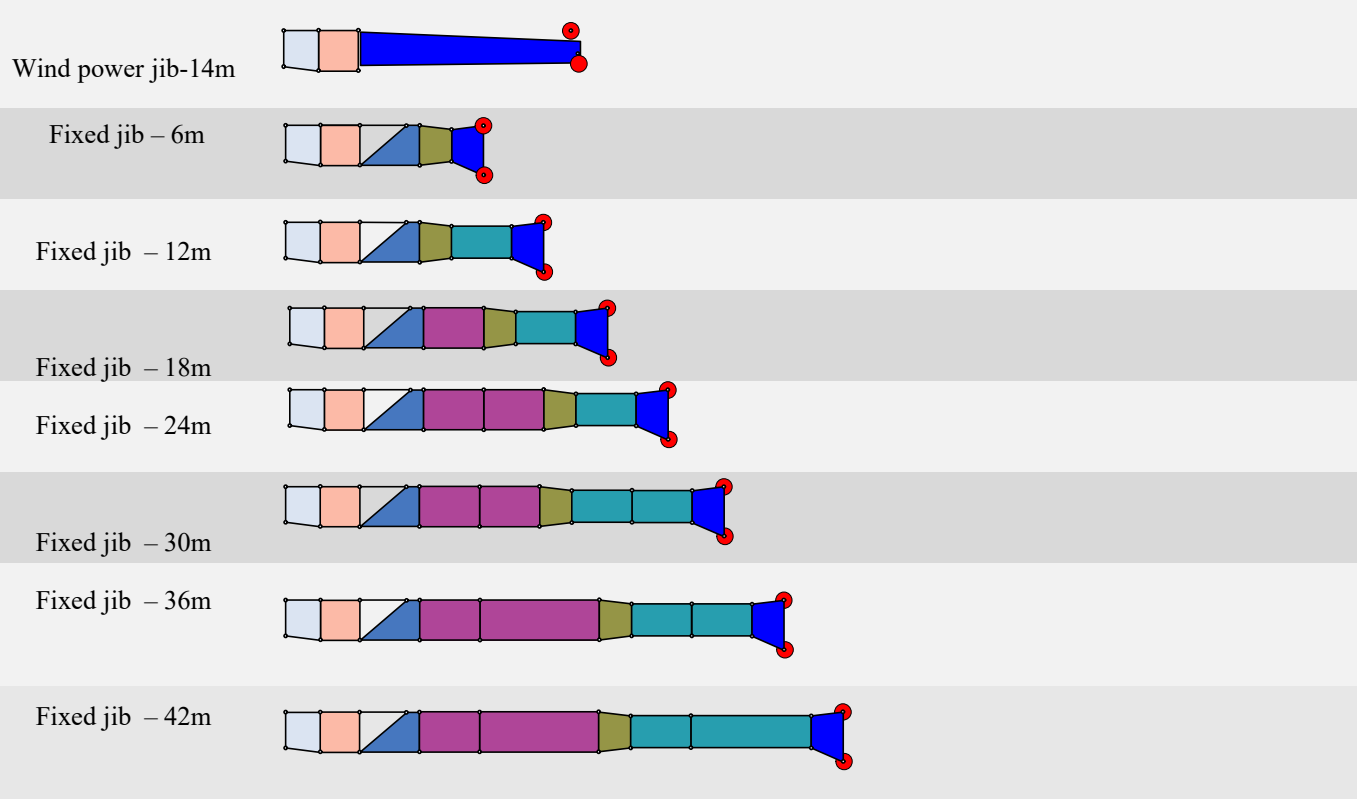
Counterweight



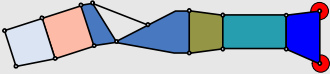
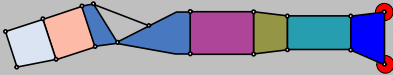
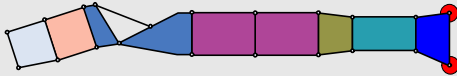

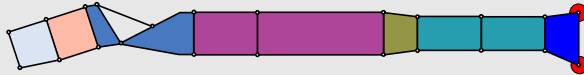

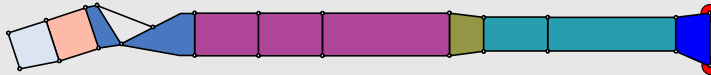

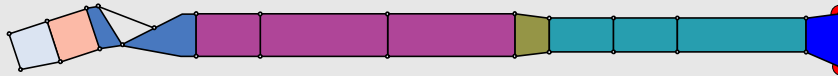
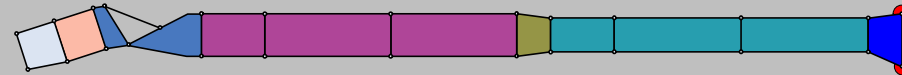

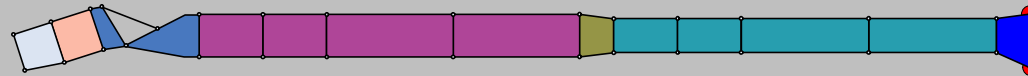
Counterweight	A	B	C
Dimensions (L×W×H) (mm)	6988×2790×2025	1400×835×623	2552×2350×515
Weight (t)	18	3	10

Working mode	160t	140t	120 t	100 t	80 t	60 t	40 t
Combinations	A+B+C×14	A+B+C×12	A+B+C×10	A+B+C×8	A+B+C×6	A+B+C×4	A+B+C×2












Boom/Jibcombinations



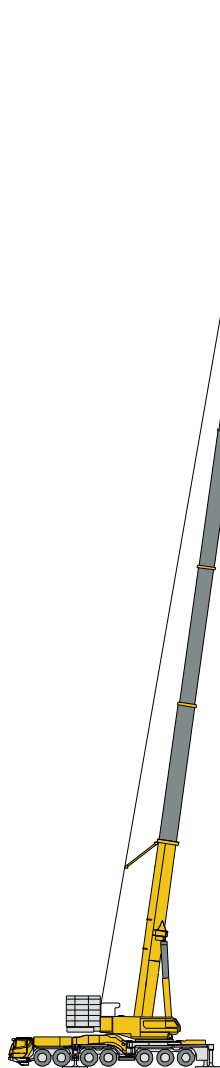
Boom / Jib combinations

Luffing jib – 18m	
Luffing jib – 24m	
Luffing jib – 30m	
Luffing jib – 36m	
Luffing jib – 42m	
Luffing jib – 48m	
Luffing jib – 54m	
Luffing jib – 60m	
Luffing jib – 66m	
Luffing jib – 72m	
Luffing jib – 78m	
Luffing jib – 84m	

Boom / Jib combinations

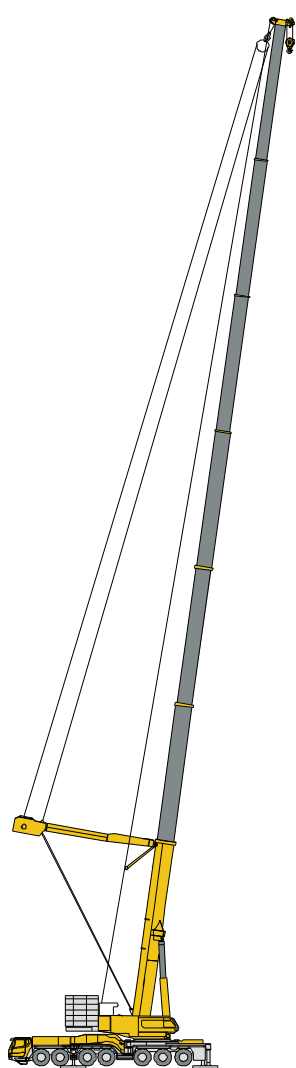
Component	Structure	Dimensions (L×W×H) (m)	Weight (kg)
Connecting bracket I		2.2×2.0×1.6	1200
Wing-type connecting bracket		3.7×2.8×1.9	2930
Rotating bracket		4.2×2.4×2.1	2650
Connecting bracket II		2.4×2.4×2.1	1600
Installation assembly		13.4×2.1×3.1	10000
Jib insert I		6.2×2.1×1.6	1100
Jib insert II		6.2×1.9×1.3	1000
Jib insert III		12.5×2.1×1.6	2000
Jib insert IV		12.5×1.9×1.3	1900
Transition section		1.7×2.1×1.6	400
Jib head		2.0×2.0×1.9	1000

Boom / Jib combinations



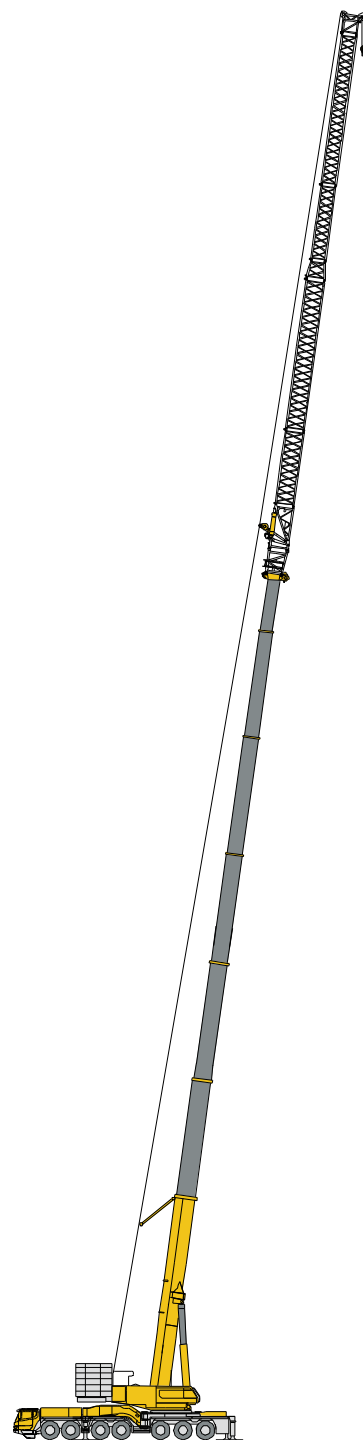
Telescopic boom

T: 16.1~85 m



Super lifting device + telescopic boom

T: 37.2~85 m



Fixed jib

T: 16.1~79.5 m+3 m
F: 6~42 m

Boom / Jib combinations



Super lifting device+ wind power jib

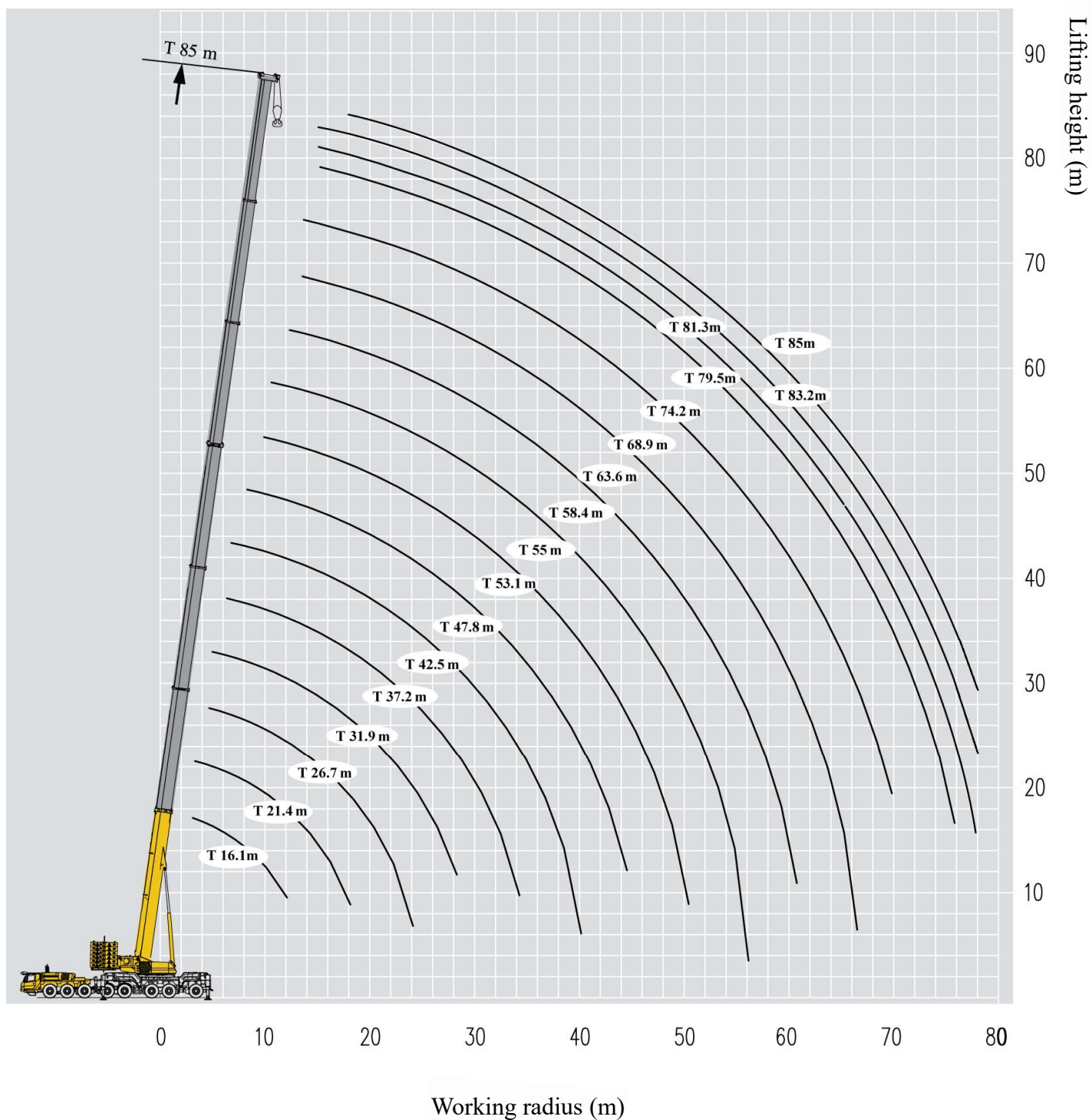
T: 63.6~85m
W: 14m

Super lifting device + fixed Jib

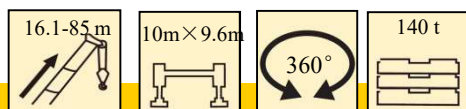
T: 53.1~79.5 m+ 6.5 m
F: 6~42 m

Super lifting device+ luffing Jib

T: 31.2~47.1 m+ 7.5 m
L: 18~84 m

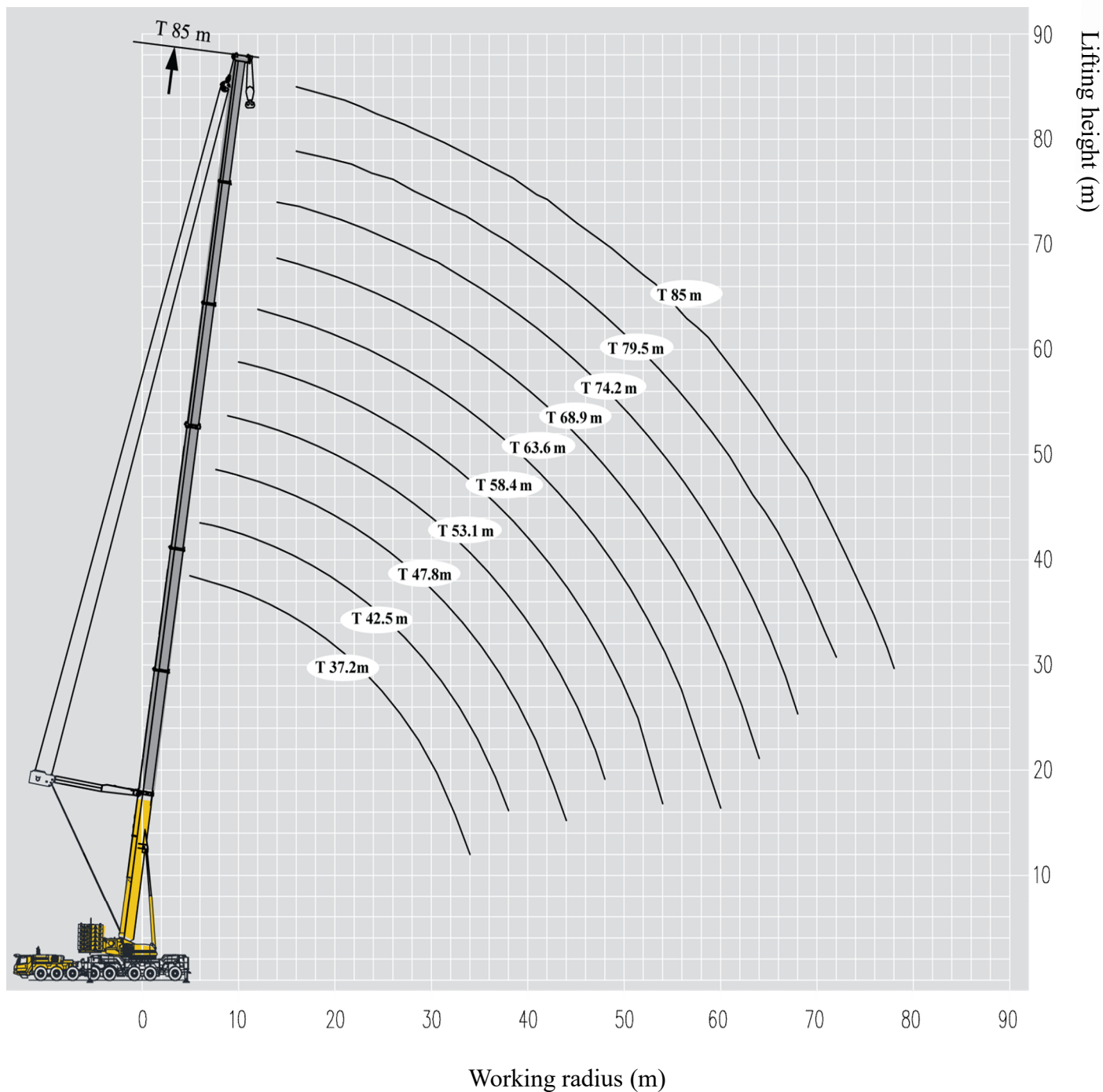


Lifting capacities



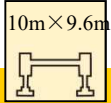

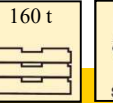




Height (m)	16.1	21.4	26.7	31.9	37.2	42.5	47.8	53.1	58.4	63.6	68.9	74.2	79.5	81.3	83.2	85	Height (m)
3	500*																3
3	225.0	225.0															3
3.5	225.0	225.0															3.5
4	225.0	225.0	191.3														4
4.5	225.0	225.0	190.7	183.9													4.5
5	225.0	225.0	190.0	181.0													5
6	201.7	200.4	189.3	174.8	163.0												6
7	186.9	183.0	178.0	166.4	155.3	123.2											7
8	167.8	166.0	162.0	158.0	147.6	116.5	103.5										8
9	151.6	152.0	149.0	145.0	139.6	109.8	98.3	68.7									9
10	136.0	137.0	137.0	133.0	129.7	104.4	93.2	65.1	57.3								10
12	112.0	113.0	121.0	112.0	110.4	94.5	83.8	59.4	52.6	45.2							12
14		95.0	97.0	94.0	94.8	85.9	74.9	55.3	48.8	41.7	36.4	31.4					14
16		82.0	83.0	81.0	82	79.0	67.4	51.3	45.5	38.6	33.9	29.8	25.4	22.5	21.1	20.2	16
18		71.8	73.0	70.0	72.5	72.0	61.4	48.0	42.2	36.2	31.6	28.2	24.4	21.7	20.3	19.4	18
20			65.0	62.0	64.0	64.0	55.5	45.1	39.4	33.8	29.6	26.6	23.4	20.9	19.5	18.6	20
22			57.8	55.0	56.7	57.0	50.9	42.3	37.0	31.7	28.0	25.0	22.3	20.1	18.6	17.7	22
24			42.7	49.0	52.6	52.0	47.0	39.9	34.6	30.0	26.4	23.5	21.1	19.3	17.9	16.9	24
26				44.0	47.7	46.9	43.1	37.9	32.3	28.2	25.1	22.0	19.9	18.5	17.2	16.1	26
28				40.0	43.3	42.0	39.3	35.0	30.5	26.4	23.8	20.8	18.8	17.7	16.4	15.3	28
30					39.6	38.7	36.6	31.8	28.4	25.0	22.4	19.8	17.7	16.9	15.7	14.5	30
32					36.3	35.4	34.0	29.6	26.3	23.8	20.6	18.8	16.7	16.1	15.0	13.7	32
34					29.3	32.5	31.3	27.6	24.5	22.6	19.4	17.8	15.7	15.2	14.3	13.0	34
36						29.9	28.8	26.1	22.9	21.3	18.0	17.0	14.8	14.4	13.6	12.3	36
38						27.7	26.4	24.6	21.3	20.1	16.8	15.9	13.8	13.5	12.9	11.7	38
40						17.9	25.0	23.1	20.1	19.0	15.7	14.9	13.1	12.8	12.2	11.0	40
42							24.0	21.5	19.0	18.1	14.9	14.0	12.3	12.1	11.6	10.4	42
44							20.9	20.3	17.9	17.1	13.9	13.1	11.6	11.4	10.9	9.8	44
46								19.7	16.8	16.2	13.2	12.5	10.8	10.7	10.3	9.3	46
48								18.5	15.7	15.3	12.0	11.8	10.1	10.1	9.7	8.8	48
50								13.9	15.1	14.6	11.0	11.2	9.4	9.4	9.1	8.2	50
52									14.1	13.9	10.1	10.5	8.8	8.8	8.5	7.7	52
54									13.1	13.2	9.7	9.9	8.2	8.2	7.9	7.2	54
56										12.5	9.4	9.4	7.6	7.7	7.4	6.8	56
58										11.9	8.9	8.8	7.1	7.2	6.9	6.3	58
60										10.9	8.5	8.5	6.5	6.6	6.4	5.9	60
62											7.8	8.0	6.0	6.1	5.9	5.5	62
64											7.0	7.7	5.6	5.6	5.4	5.1	64
66											6.8	7.4	5.2	5.3	5.0	4.7	66
68												7.1	4.8	4.9	4.7	4.4	68
70												6.1	4.4	4.6	4.3	4.1	70
72													4.1	4.2	4.0	3.8	72
74													3.8	3.9	3.7	3.5	74
76													3.5	3.6	3.0	3.0	76
78														2.6	1.9	2.8	78

*The technical data marked with * means lifting capacity.

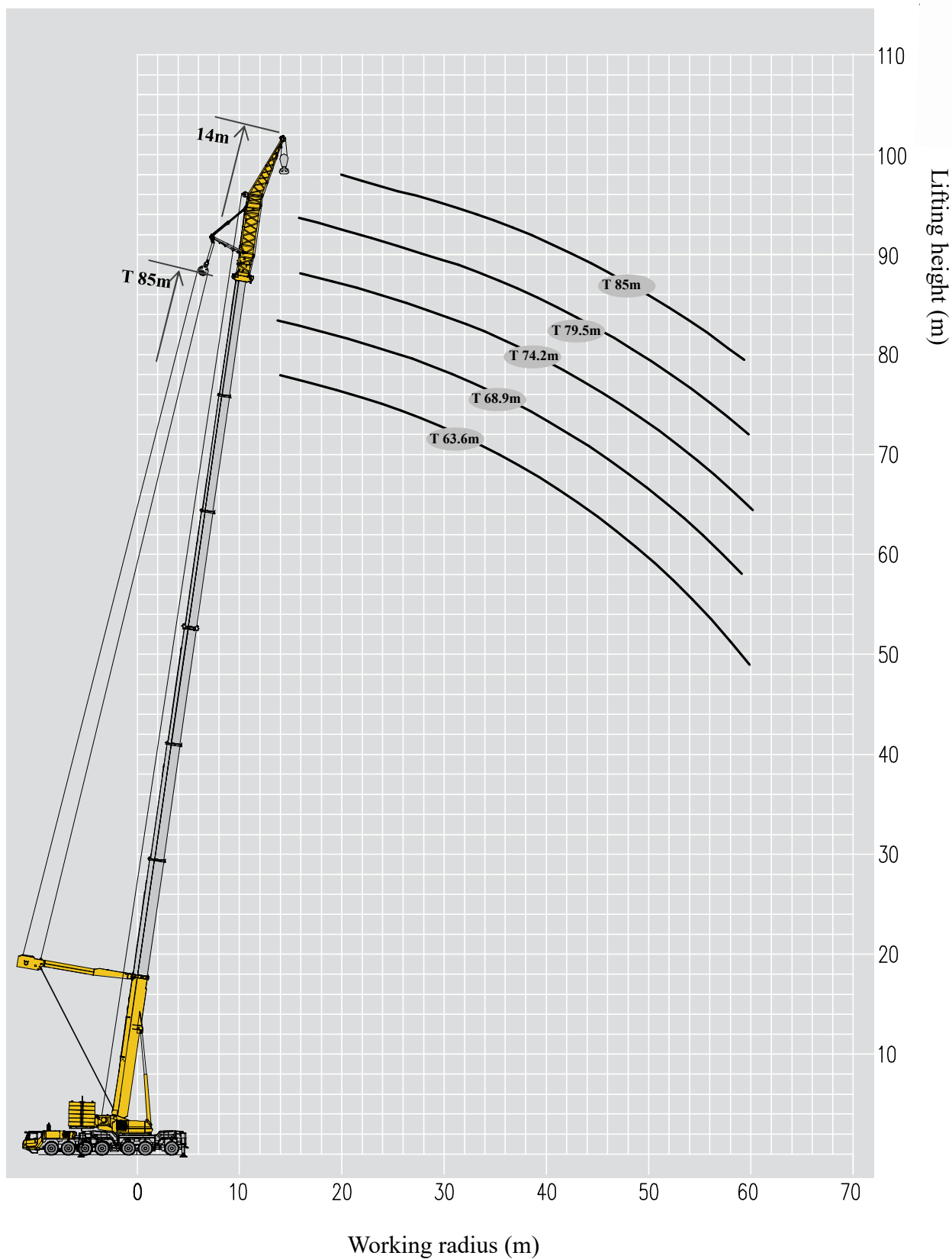


Lifting capacities

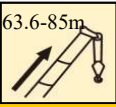
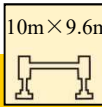

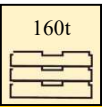

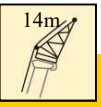
												
	37.2	42.5	47.8	53.1	58.4	63.6	68.9	74.2	79.5	85	m	
6	162.4										6	
7	154.8	132.0									7	
8	145.9	131.8	126.0	115.8							8	
9	138.9	128.9	125.1	108.3							9	
10	124.8	123.9	119.6	101.4	93.7						10	
12	106.2	107.3	102.1	95.4	86.7	89.5					12	
14	95.7	93.4	92.7	89.3	80.7	82.4	76.2	65.4			14	
16	83.4	82.3	83.0	81.0	73.3	73.7	69.5	64.3	55.0	48.0	16	
18	72.0	73.9	72.9	72.9	67.4	66.2	63.6	59.2	52.5	45.0	18	
20	63.5	65.4	64.4	66.3	61.7	61.0	58.5	55.0	50.3	42.0	20	
22	55.9	57.8	57.8	58.7	56.8	55.6	53.0	51.2	47.9	39.0	22	
24	50.8	52.7	51.2	53.1	53.6	51.4	49.6	47.4	44.7	37.0	24	
26	46.0	48.0	46.4	47.4	51.0	47.3	45.2	43.9	41.9	35.0	26	
28	42.0	44.0	41.7	43.6	46.0	43.0	43.5	40.4	38.5	33.0	28	
30	37.2	40.0	37.9	38.8	42.0	39.9	38.5	35.7	36.5	31.0	30	
32	33.0	36.0	34.1	36.0	38.0	36.0	35.2	33.1	33.5	29.0	32	
34	21.9	33.0	31.3	33.2	35.0	34.5	33.2	31.2	31.5	27.5	34	
36		30.0	28.8	30.7	32.0	32.0	31.1	28.2	28.5	26.0	36	
38		24.0	26.5	27.5	30.0	30.0	29.9	26.7	26.5	24.8	38	
40			24.6	25.6	27.0	28.0	28.0	25.2	24.4	23.6	40	
42			21.4	23.7	25.0	26.0	26.0	25.0	24.0	22.5	42	
44			14.3	21.8	24.0	24.0	24.0	23.0	21.9	21.5	44	
46				20.2	22.0	22.0	22.0	21.8	20.9	19.5	46	
48				15.9	20.0	20.4	19.9	20.0	19.0	18.2	48	
50					18.7	19.0	18.5	19.0	18.0	17.8	50	
52					16.0	18.0	17.6	17.1	17.0	17.0	52	
54					11.1	16.6	16.8	16.1	15.7	15.9	54	
56						14.9	15.9	15.0	14.8	15.0	56	
58						11.8	14.9	14.0	13.7	14.0	58	
60						7.0	14.0	13.0	12.8	13.0	60	
62							11.2	12.0	11.7	12.0	62	
64							7.8	11.4	11.0	11.0	64	
66								10.1	10.0	10.0	66	
68								7.6	9.0	9.3	68	
70								4.3	8.5	8.6	70	
72									6.6	6.6	72	
74										6.0	74	
76										5.2	76	

Lifting height chart

Boom + super lifting device + wind power jib

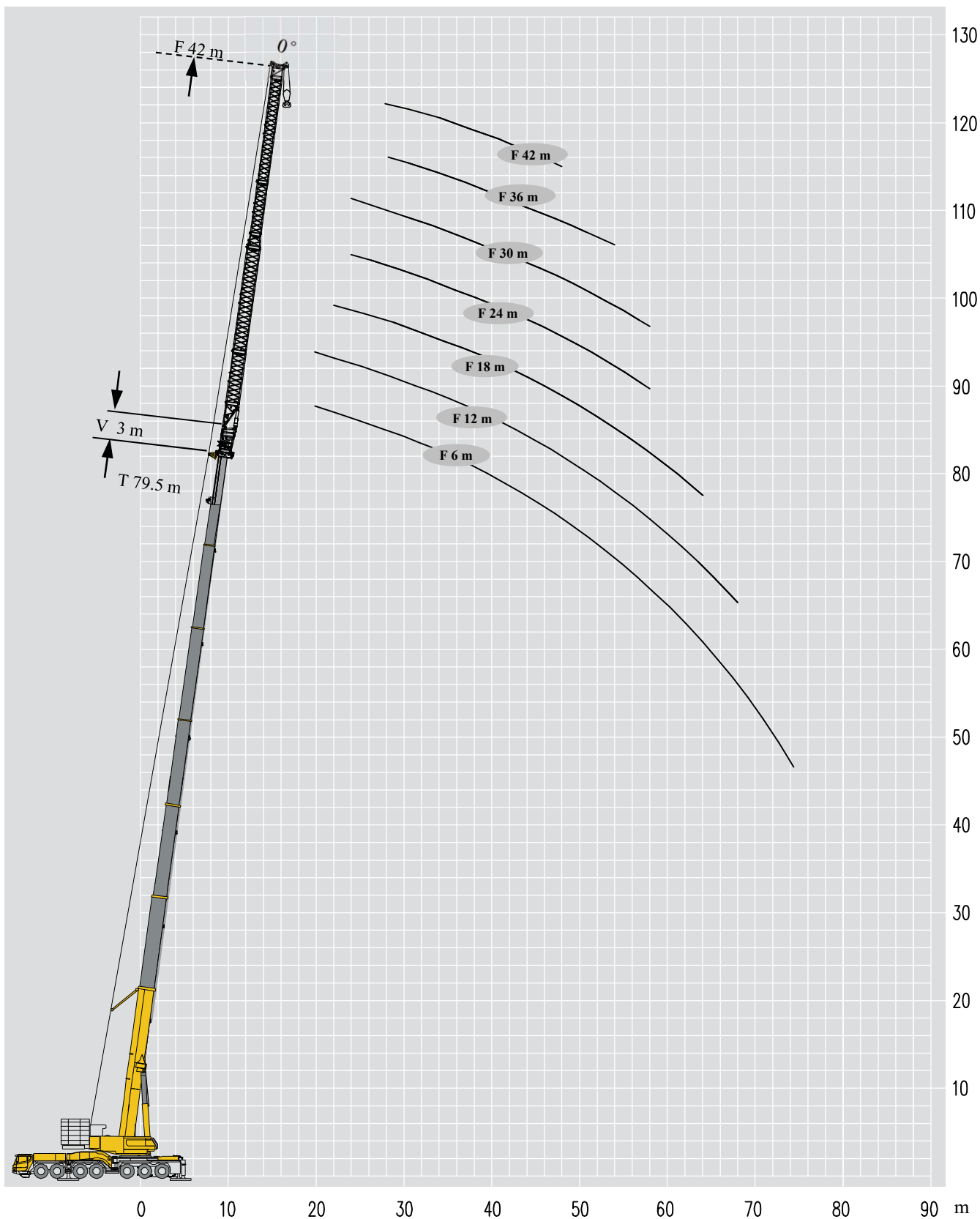


Lifting capacities

	     					
	63.6	68.9	74.2	79.5	85	
	14m	14m	14m	14m	14m	
14	73.0	67.0				14
16	68.0	65.0	58.0	47.0		16
18	63.7	60.1	53.6	46.0		18
20	54.3	52.2	49.0	44.6	37.0	20
22	47.7	45.1	41.3	39.1	34.9	22
24	44.1	41.7	38.4	37.0	32.0	24
26	40.5	38.3	36.0	32.9	29.0	26
28	36.9	34.9	32.8	28.7	26.3	28
30	33.3	31.3	30.4	25.5	22.5	30
32	30.6	27.2	28.0	23.2	19.9	32
34	28.8	25.6	25.0	20.9	16.8	34
36	26.1	23.2	22.0	19.4	15.3	36
38	24.3	21.6	19.8	17.9	13.2	38
40	22.5	19.5	17.9	16.4	12.3	40
42	20.7	17.3	16.7	14.1	11.0	42
44	18.9	15.8	14.9	11.9	9.7	44
46	18.0	14.0	13.1	10.6	9.0	46
48	13.5	11.7	12.1	8.7	7.8	48
50	12.8	10.2	10.2	7.6	7.1	50
52	8.3	7.2	7.2	7.2	6.5	52
54	7.7	6.3	6.8	6.8	5.8	54
56	5.9	5.9	6.3	6.3	4.9	56
58	5.4	5.4	5.9	5.9	4.1	58
60	5.0	5.0	5.4	5.4	3.4	60

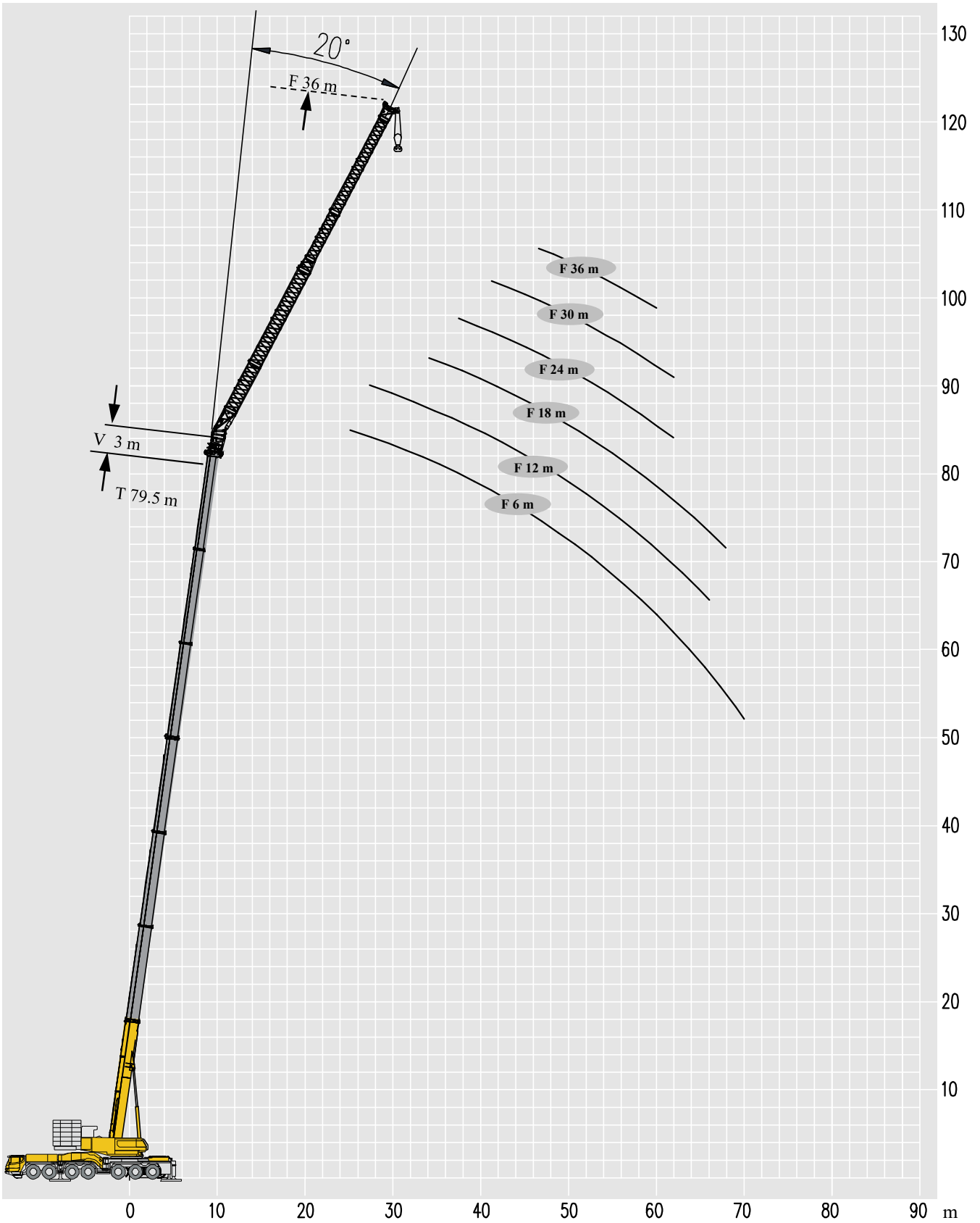
Lifting height chart

Boom + jib



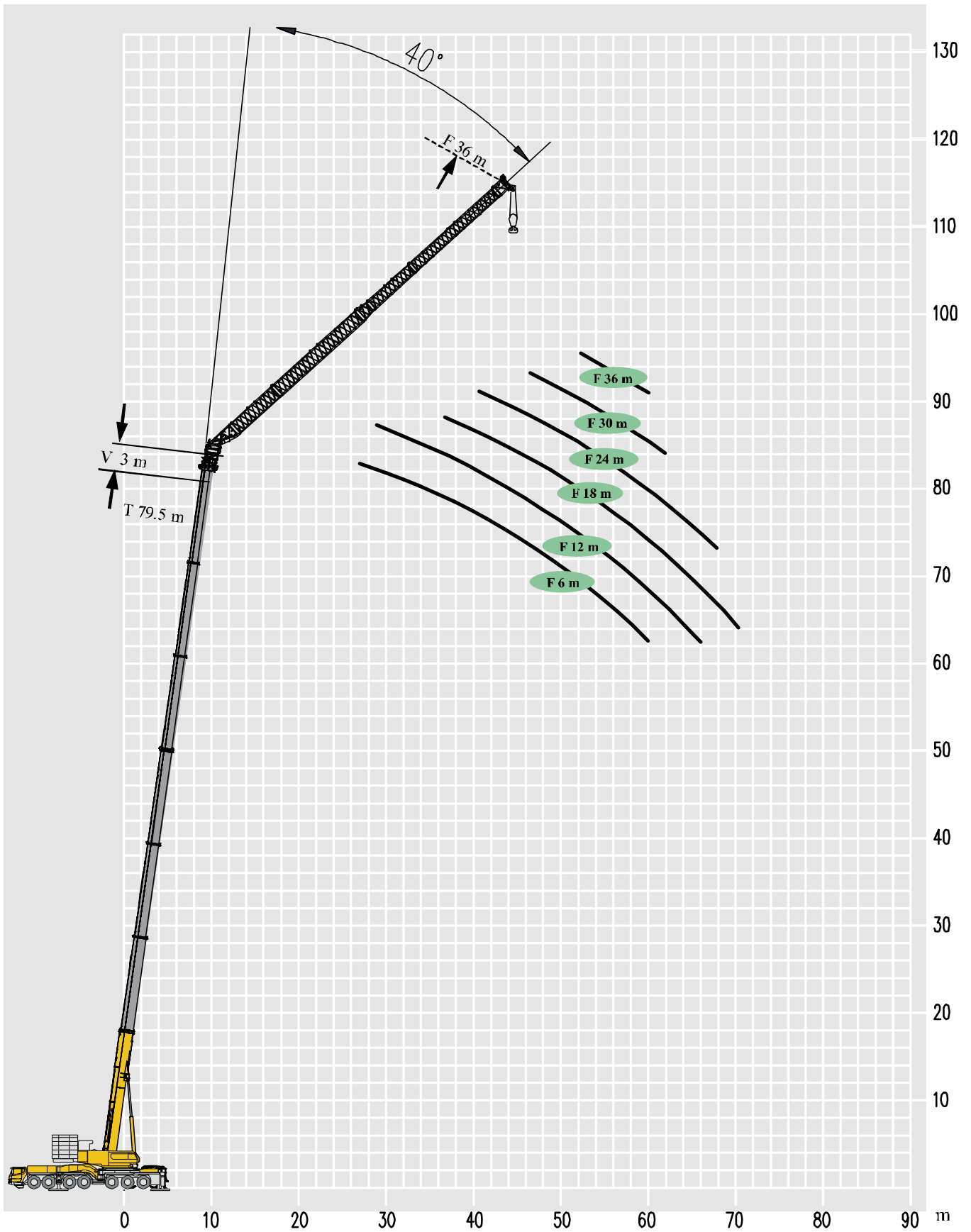
Lifting height chart

Boom + jib



Lifting height chart

Boom + jib



Lifting capacities

		16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m			79.5+3 m							
		6 m			6 m			6 m			6 m			6 m			6 m			6 m							
		0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
4		50.1																								4	
4.5		50.1																									4.5
5		50.1																									5
6		50.1	50.0																								6
7		50.1	47.3																								7
8		48.6	44.2	38.2																							8
9		46.5	41.0	36.1																							9
10		44.3	38.5	34.1																							10
12		39.0	34.0	30.9	44.9																						12
14		33.8	30.4	28.2	41.2	41.3		35.4			30.5																14
16		30.2	27.6	26.0	38.3	38.2	33.4	32.6	33.5		28.5			24.6													16
18		27.0	25.2	24.2	35.6	35.2	32.0	30.3	30.9	31.8	26.5	27.2		23.2			19.9										18
20		24.7	23.3	22.9	33.0	32.8	30.2	28.4	28.5	29.4	24.7	25.3	26.2	21.8	22.2		19.1				15.7						20
22		22.5	21.9		30.8	30.5	28.9	26.5	26.5	27.0	23.1	23.6	24.3	20.5	21.1	21.5	18.3	18.1	18.0	15.1	14.7						22
24					28.8	28.6	27.3	24.8	24.8	24.9	21.6	21.8	22.5	19.2	19.8	20.3	17.3	17.3	17.4	14.5	14.1						24
26					26.5	26.7	25.6	23.3	23.3	23.4	20.3	20.3	20.9	17.9	18.5	19.0	16.3	16.5	16.7	13.9	13.7	12.7					26
28					23.8	25.0	24.0	20.9	20.8	21.4	19.2	18.3	19.4	17.0	16.3	17.8	15.3	14.8	16.1	13.4	12.7	11.5					28
30					22.4	22.4	22.5	18.4	19.5	19.8	18.1	17.2	18.3	16.1	15.3	16.6	14.3	14.1	15.4	12.2	12.3	11.1					30
32					21.1	21.0	20.6	17.3	17.3	18.5	16.1	15.3	16.8	15.3	13.8	15.0	13.4	12.5	14.0	11.0	11.0	10.8					32
34					19.9	19.7	18.9	15.5	16.5	17.1	14.4	14.5	15.5	14.0	13.0	14.0	12.0	11.7	12.7	10.4	10.4	10.5					34
36					17.6	18.4	17.7	14.5	15.4	15.5	13.6	13.7	14.6	12.2	12.4	13.2	10.8	10.9	11.9	9.8	10.0	10.2					36
38					16.5	16.5	16.6	11.5	13.7	14.7	11.3	12.2	13.5	11.0	11.1	12.3	10.3	9.7	10.9	8.2	8.9	9.7					38
40					14.4	15.5	14.9	10.8	12.8	13.8	10.6	11.6	12.4	9.1	10.3	11.2	8.9	9.2	9.9	7.6	8.3	9.2					40
42					13.3	13.7	13.9	10.0	12.1	12.3	9.7	10.8	11.7	8.4	9.6	10.6	7.7	8.5	9.5	7.0	7.7	8.5					42
44					12.0	12.2	13.0	9.0	10.1	11.3	8.5	9.6	10.4	6.8	8.4	10.1	6.4	7.4	9.0	5.7	6.7	7.9					44
46					11.2	11.5	11.7	6.8	9.0	10.3	6.5	8.1	9.8	6.0	7.3	9.0	5.8	6.5	8.4	5.3	5.8	7.4					46
48					10.5	10.9	11.0	5.3	7.8	9.1	5.1	7.1	9.1	4.8	6.4	8.3	4.7	5.6	7.8	4.6	5.1	6.8					48
50					9.9	9.0	10.2	5.0	6.4	8.6	4.8	6.2	7.8	4.4	5.3	7.4	4.3	4.8	7.0	4.2	4.4	6.0					50
52					9.2	8.5		4.6	5.6	8.1	4.4	5.0	7.3	3.7	4.5	6.2	3.7	4.1	5.9	3.5	3.7	5.4					52
54					8.6	7.5		4.4	4.9	7.5	4.2	4.3	6.8	3.5	3.8	5.5	3.4	3.5	5.1	3.2	3.1	4.6					54
56					8.2	7.0		4.1	4.1		3.5	3.7	5.9	2.9	3.0	4.7	2.9	2.9	4.5	2.9	2.5	4.2					56
58					7.6			3.8	3.8		3.3	3.4	5.6	2.6	2.8	3.9	2.5	2.7	3.4	2.4	2.3	3.3					58
60								3.6	3.6		3.0	3.2		2.4	2.6	3.3	2.3	2.5	2.9	2.2	2.1	2.6					60
62								3.4	3.4		2.8	2.9		2.3	2.4	2.8	2.1	2.2	2.5	1.9	1.9	2.3					62
64								2.6			2.5	2.8		2.1	2.2		1.9	2.1	2.3	1.7		2.0					64
66											2.4	2.5		1.8	2.1		1.9	2.1									66
68											2.2			1.7	2.0												68

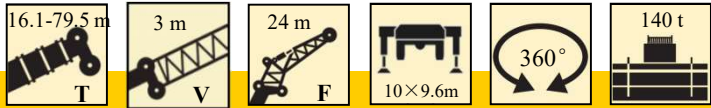
Lifting capacities

m																						m	
	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m			79.5+3 m				
	12 m			12 m			12 m			12 m			12 m			12 m			12 m				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
4.5	50.1																					4.5	
5	50.1																						5
6	50.1																						6
7	49.2																						7
8	47.6																						8
9	46.0																						9
10	43.4	27.8																					10
12	36.9	24.8																					12
14	31.6	22.3	17.2	35.3			30.5																14
16	27.8	20.3	16.2	33.0			28.6			24.2													16
18	24.0	18.6	15.2	30.7	22.5		26.6			22.9			19.4										18
20	21.6	17.2	14.4	28.7	21.6	16.0	24.8	20.9		21.6			18.6			15.4				12.1			20
22	19.4	15.9	14.0	26.8	20.8	15.6	23.1	20.2		20.3	19.3		17.8			14.8				11.7			22
24	17.5	15.0	13.4	25.1	20.0	15.2	21.6	19.5	15.0	19.0	18.8		16.8			14.2				11.3			24
26	16.0	14.1	13.1	23.7	19.2	14.8	20.2	18.9	14.7	17.7	18.0	14.4	15.8	16.1		13.6	13.4			10.9	9.2		26
28	14.7	13.4		22.3	18.5	14.5	19.1	18.2	14.4	16.6	17.1	14.2	14.9	15.3	13.8	13.0	12.9	12.4		10.5	8.8	8.3	28
30				20.9	17.9	14.2	18.1	17.3	14.2	15.7	16.2	13.9	13.9	14.5	13.6	12.3	12.4	12.2		9.9	8.6	8.2	30
32				19.6	17.2	13.9	17.0	16.6	13.8	14.9	15.3	13.7	13.0	13.8	13.4	11.7	12.0	11.8		9.5	8.2	8.1	32
34				18.6	15.7	13.7	15.5	15.1	13.2	13.7	13.5	13.1	11.8	12.3	12.8	10.8	10.9	11.0		9.0	8.0	7.8	34
36				17.5	15.3	13.4	14.5	14.4	12.6	12.8	12.8	12.5	11.4	11.5	11.9	10.1	10.5	10.4		8.1	7.3	7.4	36
38				15.6	14.8	13.2	12.9	13.1	12.5	11.8	11.4	12.1	10.5	10.2	11.3	9.2	9.3	10.0		7.7	7.1	7.2	38
40				14.7	14.4	13.1	12.1	12.3	12.1	10.1	10.8	11.3	9.5	9.6	10.3	8.1	8.7	9.3		6.9	6.7	6.9	40
42				13.9	13.1	12.9	11.4	11.7	11.5	9.5	10.2	10.4	8.9	9.2	9.3	7.7	8.2	8.5		6.1	6.5	6.3	42
44				11.9	12.5	12.6	9.0	10.4	10.9	8.5	9.2	9.9	8.0	8.0	8.8	6.8	7.1	7.8		5.4	6.1	6.1	44
46				10.5	11.1	12.0	8.4	9.8	10.4	7.2	8.7	9.4	6.9	7.5	8.3	6.0	6.5	7.3		4.7	5.6	6.0	46
48				9.9	10.0	11.5	8.0	9.3	9.9	6.4	8.1	8.9	5.9	7.0	7.9	5.1	6.1	6.9		4.0	5.3	5.8	48
50				9.3	9.4	10.4	7.1	7.7	8.7	5.5	7.2	8.2	5.1	6.0	7.2	4.4	5.3	6.2		4.0	4.8	5.3	50
52				8.7	8.9	10.0	5.9	6.9	7.8	4.7	6.1	7.4	4.4	5.3	6.5	3.8	4.6	5.6		3.6	4.1	4.9	52
54				8.2	7.4	9.5	5.5	6.0	7.3	4.1	5.3	6.5	4.0	4.5	5.7	3.7	3.9	5.0		3.3	3.5	4.3	54
56				7.2	7.0	8.4	4.4	4.9	6.6	3.2	4.6	5.4	3.1	3.9	5.0	2.9	3.4	4.3		2.5	3.0	3.9	56
58				6.4	6.1		4.1	4.3	6.1	2.9	3.7	4.7	2.7	3.2	4.2	2.7	2.8	3.7		2.4	2.5	3.3	58
60				6.0	5.8		3.2	3.6	5.7	2.7	3.1	3.8	2.5	2.6	3.3	2.3	2.4	3.0		1.8	2.2	2.6	60
62				5.6	5.4		3.0	3.0		2.4	2.6	3.1	2.2	2.2	2.9	2.2	2.0	2.4		1.8	2.2		62
64				5.3			2.8	2.9		2.2	2.2	2.6	1.9	1.8	2.2	1.7		2.0					64
66							2.6	2.7		2.1	1.8				2.1		1.9						66
68							2.4	2.5		1.8	1.7				2.0								68
70										1.7													70

Lifting capacities

	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m			79.5+3 m			
	18 m			18 m			18 m			18 m			18 m			18 m			18 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
6	49.8																					6
7	49.8																					7
8	47.5																					8
9	43.5																					9
10	39.8																					10
12	34.4	23.1																				12
14	30.3	21.2		28.5																		14
16	25.6	19.3	16.4	26.5																		16
18	23.2	16.9	15.5	24.7			24.8			21.0												18
20	21.0	15.5	14.5	23.3	17.2		23.2			20.0			16.9			13.8						20
22	18.1	14.4	13.6	21.0	16.4		21.7	16.3		18.9			16.2			13.2			9.4			22
24	16.7	12.6	12.9	19.4	15.5	12.8	20.2	15.4		17.8			15.5			12.7			9.3			24
26	15.3	11.9	11.7	18.2	14.7	12.4	18.8	14.6		16.7	14.3		14.7			12.2			9.2			26
28	14.2	11.2	11.2	17.3	14.1	11.9	17.7	13.9	11.7	15.6	13.9		13.8	12.7		11.7			8.9			28
30	13.1	10.6	10.9	15.9	13.5	11.5	16.8	13.5	11.3	14.5	13.3	10.8	13.0	12.3		11.2	10.1		8.6			30
32	12.3	10.2	10.3	14.6	13.0	11.1	15.8	12.9	10.9	13.5	12.8	10.7	11.9	11.7	10.6	10.7	9.7		8.0	7.2		32
34		9.8		13.9	12.4	10.6	14.1	12.4	10.4	12.3	12.3	10.4	10.7	11.2	10.3	10.2	9.4	9.2	7.6	6.9		34
36				13.2	11.9	10.4	13.3	11.8	10.1	11.7	11.7	10.1	10.1	10.6	10.0	9.3	9.0	9.0	6.9	6.8	5.8	36
38				12.5	11.5	10.0	12.5	11.3	9.8	11.0	10.8	9.7	9.5	10.0	9.6	8.5	8.7	8.6	6.6	6.4	5.7	38
40				11.4	11.0	9.7	11.2	10.9	9.6	9.8	10.2	9.3	8.6	9.2	9.0	7.6	8.2	8.0	6.2	6.3	5.6	40
42				10.7	10.6	9.5	10.7	10.6	9.2	9.4	9.7	9.1	8.2	8.6	8.5	7.0	7.5	7.6	5.3	6.0	5.3	42
44				9.8	10.1	9.0	10.1	10.0	9.0	8.8	9.2	8.7	7.7	8.0	7.9	6.5	7.0	7.1	4.9	5.5	5.2	44
46				9.3	9.7	8.7	8.4	9.7	8.8	7.3	8.6	8.6	6.3	7.5	7.4	5.4	6.3	6.2	4.5	5.1	4.9	46
48				8.8	9.4	8.5	7.4	9.2	8.6	6.9	8.1	8.2	5.8	6.8	7.0	4.9	5.8	5.8	3.5	4.6	4.5	48
50				7.8	9.2	8.3	7.0	8.5	8.2	6.3	7.0	7.5	5.4	5.9	6.5	4.5	5.0	5.4	3.2	4.0	4.1	50
52				6.9	8.4	8.1	5.8	7.6	7.9	5.1	6.6	7.0	4.2	5.4	6.1	3.5	4.8	5.1	3.1	3.6	3.8	52
54				6.4	7.6	7.9	5.1	7.2	7.3	4.7	6.1	6.6	3.7	5.0	5.6	3.4	4.3	4.6	2.7	3.6	3.5	54
56				6.1	7.3	7.8	4.8	6.2	6.8	4.4	5.3	5.8	3.5	4.3	5.1	3.0	3.7	4.3	2.1	3.0	3.3	56
58				4.9	7.3	7.7	4.5	5.2	5.9	3.8	4.6	5.2	3.2	3.8	4.5	2.6	3.2	3.8	1.9	2.6	2.9	58
60				4.7	6.1	7.2	3.5	4.5	5.6	2.9	4.1	4.3	2.4	3.2	3.9	2.1	2.7	3.3	1.7	2.2	2.7	60
62				4.4	5.7	6.8	3.4	3.0	5.3	2.8	3.0	3.4	2.2	2.7	3.2	1.9	2.3	2.7		1.9	2.2	62
64				3.8	5.0		3.1	2.6	4.6	2.3	2.6	2.9	1.9	2.2	2.6	1.7	1.9	2.2			1.9	64
66				3.5	4.8		2.4	2.1	4.3	1.8	2.1	2.3		1.9	2.1			1.9				66
68				2.9	4.4		2.3	2.0			1.9	2.1										68
70							2.1	1.9				2.0										70
72							2.0															72
74							1.9															74

Lifting capacities

m																			m				
	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m				79.5+3 m			
	24m			24m			24m			24m			24m			24m				24m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
8	39.2																					8	
9	36.2																						9
10	34.0																						10
12	29.7																						12
14	25.1																						14
16	20.2	16.2		23.7																			16
18	18.0	14.8		22.3																			18
20	16.4	13.5		21.0			19.8																20
22	14.1	12.5	10.8	19.6			19.0			16.6				13.6									22
24	12.6	11.5	10.2	18.3	12.7		18.0			15.9				13.1			10.5				7.9		24
26	11.1	10.3	9.7	16.4	12.0		16.3			15.1				12.5			10.1				7.9		26
28	10.2	9.6	9.2	15.5	11.4		15.4	11.2		14.2				12.0			9.7				7.9		28
30	9.4	8.9	8.5	14.6	11.0	8.9	14.5	10.7		13.3	10.5			11.4			9.4				7.6		30
32	8.2	8.0	8.0	13.7	10.5	8.7	13.6	10.2	8.3	12.5	10.1			10.8	9.7		9.1				7.3		32
34	7.6	7.5	7.6	12.2	9.9	8.3	12.1	9.7	8.1	11.7	9.7	8.0	10.3	9.4			8.7				6.4		34
36	7.1	7.1	7.3	11.6	9.5	8.0	11.6	9.4	7.9	10.9	9.3	7.8	9.7	9.0			8.4	7.4			6.2		36
38	6.6	6.8	7.2	11.0	9.1	7.8	10.9	9.0	7.7	10.3	8.9	7.6	9.1	8.7	7.5	8.1	7.2	6.8	6.1	6.3			38
40		6.5		10.5	8.7	7.5	10.3	8.6	7.4	9.4	8.6	7.3	8.1	8.3	7.3	7.3	6.9	6.7	5.4	6.1	4.4		40
42				9.9	8.3	7.3	9.8	8.3	7.2	9.0	8.3	7.1	7.6	7.9	7.1	6.9	6.7	6.5	4.9	5.9	4.3		42
44				9.3	8.1	7.1	8.2	8.1	7.0	7.9	8.1	6.9	7.3	7.4	6.9	6.4	6.2	6.3	4.6	5.7	4.2		44
46				8.9	7.8	6.8	7.8	7.7	6.8	7.5	7.7	6.7	6.8	6.7	6.6	5.6	5.8	5.9	4.3	5.4	4.1		46
48				8.5	7.4	6.6	7.4	7.3	6.6	7.0	7.1	6.5	5.7	6.2	6.2	4.8	5.3	5.2	3.4	5.0	3.9		48
50				8.2	7.1	6.4	6.1	7.0	6.4	6.0	6.6	6.4	5.2	5.7	5.7	4.3	4.8	4.8	3.0	4.6	3.5		50
52				7.8	6.9	6.2	5.7	6.8	6.2	5.6	6.3	6.2	4.7	5.2	5.2	3.9	4.3	4.5	3.0	4.2	3.2		52
54				7.5	6.7	6.0	5.4	6.6	6.0	4.9	5.8	5.9	3.8	4.7	5.0	3.2	4.0	4.1	2.4	3.7	3.0		54
56				6.8	6.1	5.9	5.0	6.0	5.8	4.5	5.0	5.6	3.6	4.1	4.5	2.8	3.4	3.8	2.1	3.4	2.9		56
58				6.6	5.8	5.6	4.1	5.7	5.4	4.0	4.6	5.2	3.1	3.8	4.2	2.5	3.1	3.4	1.8	3.0	2.7		58
60				5.6	5.7	5.5	3.6	5.3	5.0	3.1	4.3	4.6	2.4	3.4	3.7	2.0	2.6	3.0		2.8	2.3		60
62				5.0	5.5	5.4	3.2	4.7	4.3	2.8	3.7	3.9	2.1	2.9	3.1		2.3	2.6		2.4	1.9		62
64				4.8	4.8	5.3	2.5	3.8	3.4	2.4	3.2	3.3	1.9	2.4	2.7		1.9	2.2					64
66				4.6	4.7	5.2	2.2	3.4	2.9	2.1	2.7	2.6		2.1	2.1								66
68				4.3	4.3	5.0	2.0	2.2	2.4		1.8	2.2											68
70				4.0	3.8		1.9	1.8	2.3														70
72				3.7	3.6				2.1														72
74					3.4																		74

Lifting capacities

m																			m
	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m			
	30m			30m			30m			30m			30m			30m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
9	30.3																		9
10	28.3																		10
12	25.2																		12
14	22.5																		14
16	20.2																		16
18	17.4				17.7														18
20	14.8	11.4		16.8			15.5												20
22	13.5	10.6		16.1			14.9			13.4									22
24	12.4	9.8		15.4			14.3			13.0			10.7			8.6			24
26	11.3	9.0		14.7			13.8			12.5			10.3			8.3			26
28	9.7	8.4	7.2	14.1	9.8		13.3			12.0			9.9			8.0			28
30	8.5	7.7	6.9	13.1	9.3		12.6	9.1		11.2			9.4			7.5			30
32	7.8	7.3	6.5	11.8	8.9		11.1	8.7		10.5	8.2		8.8			7.2			32
34	6.9	6.8	6.2	11.1	8.4		10.5	8.3		9.9	7.8		8.5			6.9			34
36	6.0	6.4	6.0	10.4	8.0	6.2	9.9	7.9	6.2	9.4	7.6		8.1	7.5		6.6			36
38	5.6	6.0	5.5	9.9	7.7	6.1	9.5	7.6	6.1	8.7	7.3		7.7	7.2		6.2			38
40	5.2	5.4	5.3	9.0	7.3	5.9	8.9	7.3	5.9	7.7	6.9	5.7	6.9	6.9		5.7	6.1		40
42	4.9	5.1	5.1	8.4	7.0	5.8	7.6	6.9	5.6	7.2	6.7	5.4	6.5	6.6	5.2	5.5	5.8		42
44		4.8	4.9	7.9	6.7	5.6	7.4	6.7	5.5	6.8	6.4	5.3	6.1	6.4	5.1	5.2	5.6	4.7	44
46		4.4		7.5	6.4	5.5	6.9	6.4	5.4	5.8	6.2	5.2	5.0	6.0	5.0	4.3	5.4	4.6	46
48				7.2	6.2	5.4	6.5	6.2	5.3	5.5	6.0	5.1	4.6	5.7	4.9	3.9	5.0	4.5	48
50				6.8	5.9	5.1	6.2	5.9	5.0	5.2	5.8	4.9	4.3	5.2	4.8	3.5	4.6	4.3	50
52				6.6	5.7	4.9	5.1	5.7	4.8	4.2	5.6	4.8	3.4	4.7	4.6	2.7	4.1	4.1	52
54				6.2	5.4	4.8	4.8	5.5	4.7	3.8	5.2	4.6	3.0	4.3	4.2	2.4	3.8	3.7	54
56				6.0	5.2	4.7	4.6	5.2	4.5	3.5	4.7	4.5	2.7	3.8	3.8	2.1	3.3	3.4	56
58				5.6	5.0	4.5	4.3	4.9	4.4	3.2	4.3	4.4	2.4	3.4	3.6	1.8	3.0	3.0	58
60				5.4	4.5	4.3	3.2	4.4	4.3	2.4	4.0	4.2	1.8	2.9	3.3		2.7	2.7	60
62				5.2	4.3	4.2	3.0	4.3	3.9	2.2	3.7	3.8		2.7	3.0		2.4	2.4	62
64				4.6	4.2	4.1	2.8	4.1	3.6	2.0	3.0	3.3		2.3	2.6		2.2	2.0	64
66				3.9	4.0		2.0	3.6	3.3		2.6	2.8		1.9	2.2		1.9		66
68				3.7	3.5		1.8	3.2	2.8		2.2	2.2							68
70				3.4	3.4			1.9	2.5			2.0							70
72				3.3	3.1				2.1			1.9							72
74				3.0	2.9				1.9										74
76				2.6	2.7														76
78				2.5	2.6														78
80					2.5														80

Lifting capacities

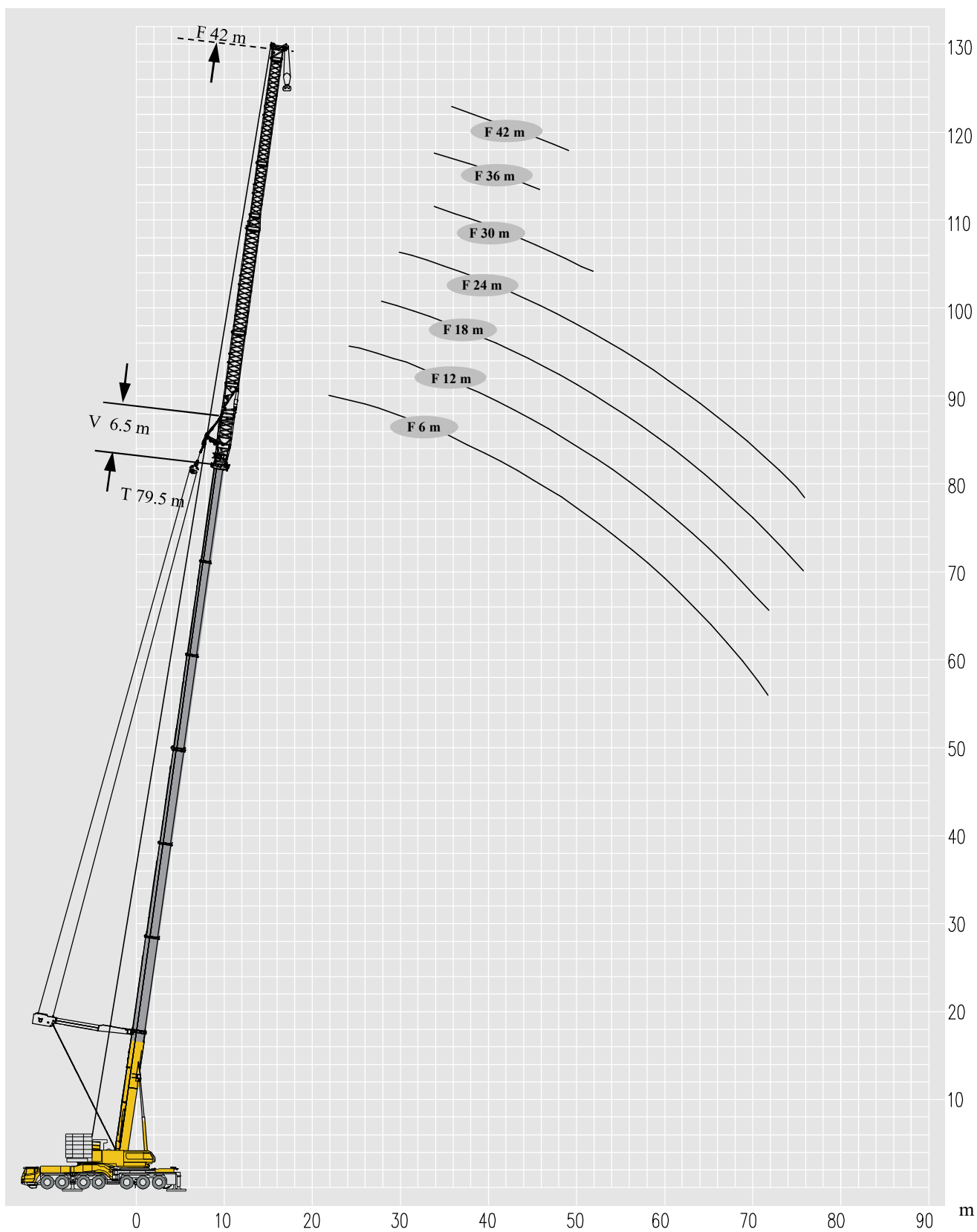
m	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			74.2+3 m			m
	36m			36m			36m			36m			36m			36m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	26.0																		10
12	23.0																		12
14	20.8																		14
16	18.5																		16
18	15.7																		18
20	12.9	10.7		15.0															20
22	11.6	10.0		14.3			13.2												22
24	10.7	8.9		13.7			12.7												24
26	9.2	8.1		13.0			12.2			11.4			9.3			7.0			26
28	8.5	7.5		11.7			10.5			10.4			9.0			7.0			28
30	7.7	6.6	6.1	10.4			10.1			10.0			8.6			6.9			30
32	7.1	6.2	5.8	9.7	6.9		9.6			9.1			8.3			6.6			32
34	6.3	5.8	5.2	9.2	6.5		9.2	6.1		8.6			8.0			6.4			34
36	5.6	5.4	4.9	8.6	6.2		8.5	5.8		8.3	5.8		7.7			6.2			36
38	5.3	5.0	4.8	8.0	5.6		8.0	5.6		7.8	5.5		7.2			5.6			38
40	4.9	4.7	4.3	7.6	5.3	4.5	7.6	5.3		7.4	5.3		6.9	5.2		5.5			40
42	4.6	4.4	4.1	7.1	5.1	4.3	7.1	5.1	4.3	6.9	5.1		6.5	5.0		5.1	4.6		42
44	4.2	4.2	3.9	6.8	4.8	4.1	6.7	4.9	4.1	6.4	4.9		6.2	4.8		4.9	4.4		44
46	4.1	3.9	3.7	6.4	4.6	3.9	6.4	4.6	3.9	6.1	4.6	3.9	5.6	4.6		4.7	4.2		46
48	3.8	3.7	3.6	5.7	4.4	3.8	5.6	4.4	3.8	5.5	4.4	3.8	5.1	4.4	3.7	4.0	4.1		48
50		3.5		5.4	4.2	3.7	5.3	4.2	3.7	5.3	4.2	3.6	4.6	4.1	3.7	3.5	3.6	3.7	50
52				5.2	4.0	3.6	5.1	4.0	3.6	4.8	4.1	3.5	4.1	3.6	3.6	3.2	3.3	3.6	52
54				4.9	3.9	3.5	4.8	3.9	3.5	4.3	3.9	3.4	3.5	3.4	3.4	2.9	2.9	3.4	54
56				4.6	3.7	3.4	4.6	3.7	3.3	3.8	3.7	3.3	3.1	3.0	3.3	2.5	2.6	2.9	56
58				4.4	3.5	3.3	4.4	3.5	3.2	3.5	3.5	3.2	2.7	2.7	3.2	2.1	2.4	2.6	58
60				4.2	3.4	3.2	4.1	3.4	3.1	3.1	3.2	3.1		2.4	2.9		2.3	2.4	60
62				3.9	3.2	3.1	3.7	3.3	3.0	2.8	3.0	3.0		2.1	2.7		2.1	2.0	62
64				3.7	3.1	3.0	3.5	3.1	2.9	2.3	2.5	2.9		1.8	2.4		1.8	1.9	64
66				3.6	2.9	2.9	3.3	2.9	2.8	2.0	2.3	2.8			2.2				66
68				3.4	2.8	2.8	2.9	2.8	2.6		2.1	2.6			1.8				68
70				3.0	2.7	2.7	2.5	2.7	2.3		1.8	2.1							70
72				2.9	2.6	2.6	2.3	2.6	2.1			1.8							72
74				2.7	2.5	2.5	2.0	2.3											74
76				2.5	2.4	2.4		1.9											76
78				2.3	2.3	2.3													78
80				2.2	2.2	2.2													80
82				2.1	2.1														82
84				2.0	2.0														84
86					1.9														86

Lifting capacities

m																m
	16.1+3 m			53.1+3 m			58.4+3 m			63.6+3 m			68.9+3 m			
	42m			42m			42m			42m			42m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	19.9															12
14	17.9															14
16	16.3															16
18	14.0															18
20	12.5															20
22	10.4			11.8												22
24	9.4	7.7		11.3			10.4									24
26	8.6	7.0		10.3			10.0			9.0						26
28	7.5	6.5		9.9			9.6			8.6			7.3			28
30	6.9	6.0		9.4			8.7			8.0			6.7			30
32	6.3	5.5		8.5			8.0			7.3			6.0			32
34	5.3	5.1		8.0			7.7			7.0			5.9			34
36	4.9	4.8	3.9	7.6	5.1		7.4			6.8			5.7			36
38	4.6	4.4	3.8	7.1	4.8		7.0	4.8		6.6			5.4			38
40	4.2	3.9	3.4	6.7	4.5		6.6	4.4		6.4	4.2		5.2			40
42	3.9	3.7	3.3	6.2	4.4		6.2	4.3		6.0	4.1		5.0			42
44	3.3	3.5	3.1	5.9	4.1		5.8	4.1		5.7	3.9		4.7	3.7		44
46	3.1	3.2	2.8	5.6	4.0	3.2	5.4	3.7		5.2	3.8		4.4	3.6		46
48	3.0	3.1	2.6	5.2	3.7	3.0	5.1	3.6	2.8	4.9	3.5		4.1	3.5		48
50	2.7	2.8	2.5	4.9	3.5	2.8	4.8	3.5	2.7	4.5	3.4	2.6	3.8	3.3		50
52	2.5	2.7	2.4	4.1	3.3	2.7	4.0	3.3	2.6	3.8	3.3	2.5	2.9	3.2	2.5	52
54	2.3	2.5	2.2	3.8	3.1	2.6	3.7	3.0	2.6	3.5	3.1	2.4	2.6	3.0	2.5	54
56		2.3	2.1	3.6	3.0	2.5	3.6	2.9	2.4	3.0	3.0	2.3	2.3	2.7	2.3	56
58		2.2		3.4	2.8	2.4	3.3	2.8	2.3	2.8	2.8	2.2	2.1	2.4	2.2	58
60				3.2	2.7	2.3	3.1	2.6	2.2	2.4	2.7	2.1	1.8	2.1	2.1	60
62				2.9	2.6	2.2	2.8	2.6	2.1	2.1	2.5	2		1.8	2.0	62
64				2.7	2.4	2.1	2.6	2.3	2.0	1.8	2.3	1.9			1.8	64
66				2.6	2.3	2.0	2.4	2.3	1.9		1.9	1.8				66
68				2.4	2.1	1.9	2.3	2.2	1.8							68
70				2.3	2.0	1.8	2.1	2.0								70
72				2.1	1.9	1.7	1.8	1.9								72
74				2.0	1.8											74
76				1.8												76

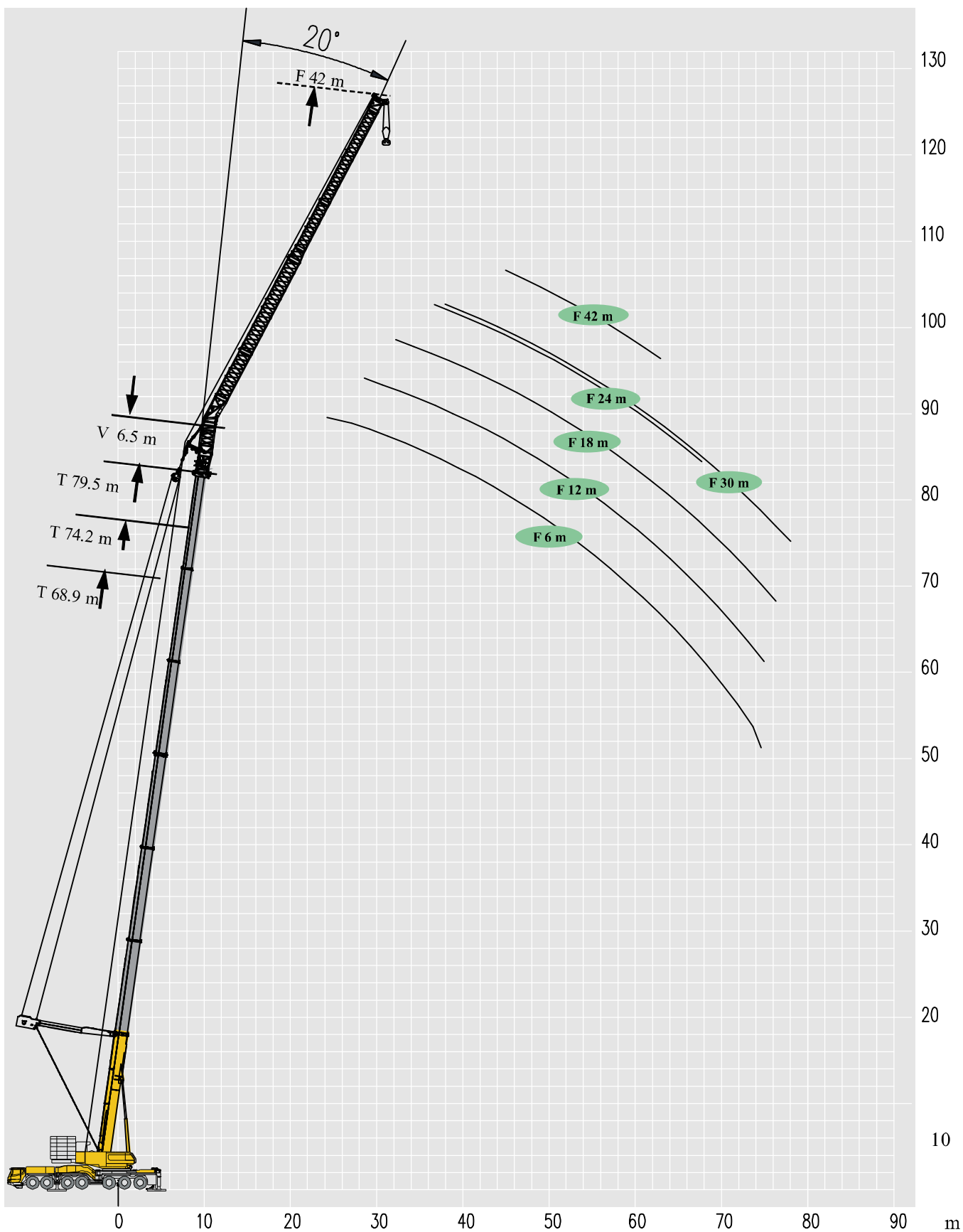
Lifting height chart

Boom+ super lifting device + jib



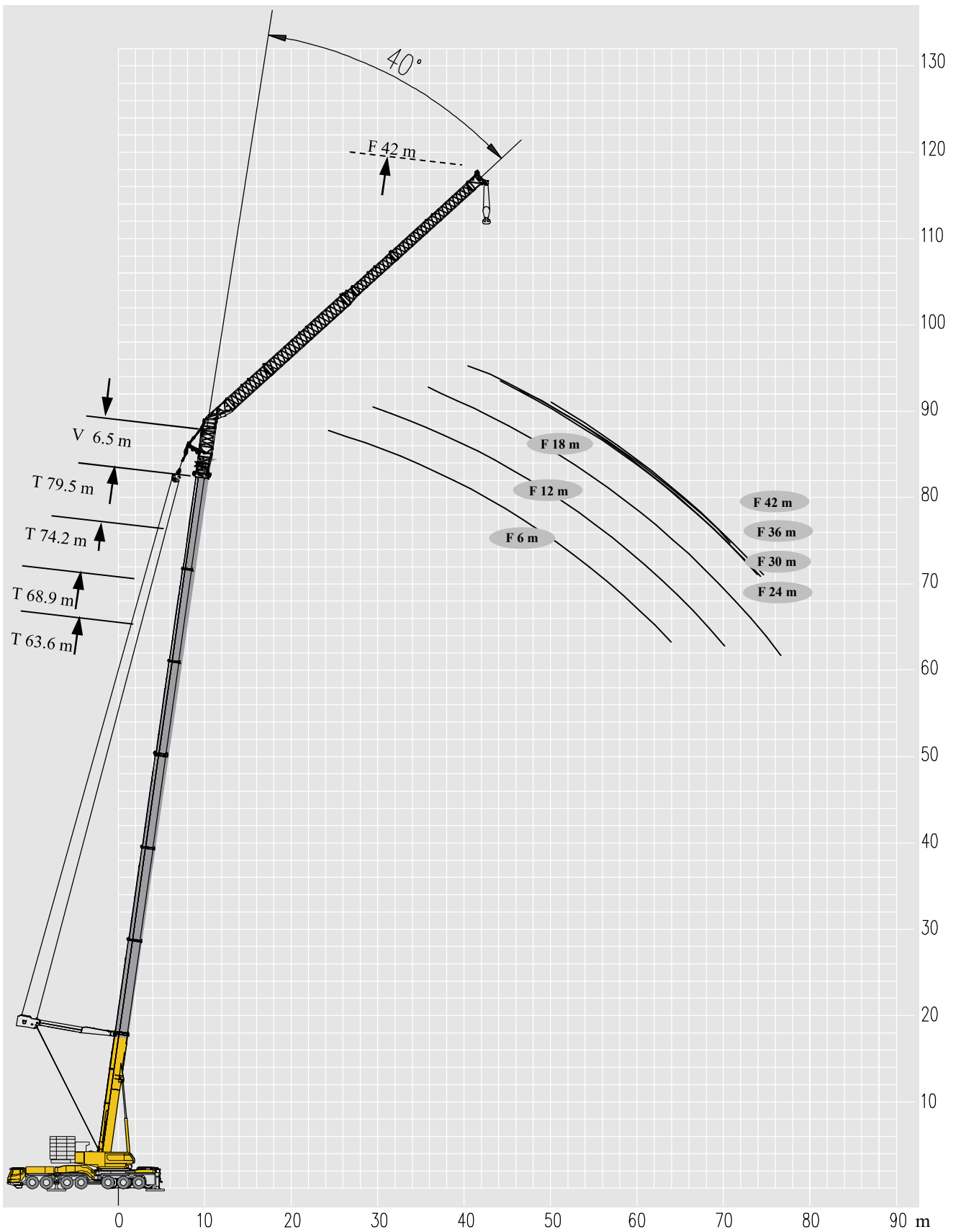
Lifting height chart

Boom+ super lifting device + jib

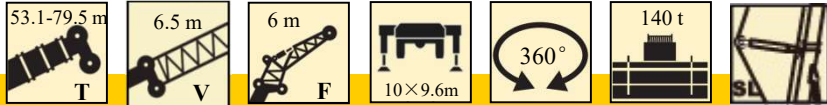


Lifting height chart

Boom+ super lifting device + jib

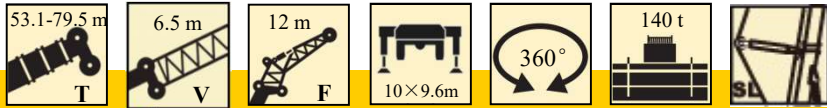


Lifting capacities



	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m			79.5+6.5 m			
	6 m			6 m			6 m			6 m			6 m			6 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	64.6																		12
14	60.9	51.2	33.7	58.4	47.7														14
16	57.9	46.4	33.2	55.5	43.9	33.3													16
18	55.0	43.0	32.5	52.7	40.4	32.7	49.3	38.2	32.6	43.5	35.4								18
20	50.1	39.6	31.7	47.7	37.3	32.1	44.9	34.6	30.2	41.0	31.1	28.1	38.0						20
22	45.6	36.5	31.4	43.7	33.1	29.8	41.2	31.1	28.3	37.9	29.2	26.6	35.0	26.3		23.5			22
24	41.8	32.2	29.7	40.2	30.3	27.9	38.0	29.1	26.6	35.2	27.3	25.1	30.5	24.5	23.0	22.6	19.3	17.5	24
26	38.3	30.4	27.8	36.9	28.3	26.1	34.4	27.2	25.1	30.7	25.8	23.6	28.3	23.1	21.6	21.4	18.2	16.7	26
28	35.2	28.4	26.3	32.9	26.5	24.5	30.5	25.6	23.8	28.8	24.3	22.5	26.6	21.7	20.2	20.3	17.2	16.0	28
30	31.3	26.5	24.7	30.0	24.9	23.1	28.5	24.2	22.5	26.9	22.9	21.3	25.0	20.3	19.1	19.0	16.5	15.3	30
32	29.2	25.0	23.3	28.0	23.5	22.0	26.7	22.8	21.3	25.3	21.8	20.2	23.2	19.1	18.1	18.1	15.8	14.8	32
34	27.3	23.5	22.2	26.1	22.2	20.8	25.0	21.6	20.1	23.8	20.6	19.2	21.9	18.0	17.0	17.3	15.1	14.3	34
36	23.8	20.8	21.0	22.4	19.5	19.6	21.5	18.9	19.0	20.4	18.0	18.3	20.7	16.9	16.0	16.4	14.5	13.8	36
38	22.3	19.7	19.9	21.2	18.3	18.5	20.1	17.8	18.1	19.3	17.0	17.3	19.4	15.9	15.2	15.4	14.0	13.2	38
40	19.9	18.5	17.4	19.7	17.1	16.1	18.9	16.9	15.7	18.1	16.0	15.0	17.9	14.7	14.0	14.7	13.5	12.8	40
42	18.0	17.0	16.4	17.5	15.6	15.2	17.6	15.4	14.9	17.0	14.8	14.3	16.2	14.0	12.6	13.7	13.0	12.3	42
44	17.0	15.1	14.7	16.0	13.8	13.9	15.5	13.5	13.6	16.0	13.0	13.0	14.5	12.6	11.9	13.0	12.3	11.7	44
46	15.0	13.5	12.7	15.0	12.8	12.6	14.5	12.7	12.4	15.0	12.2	11.9	12.8	11.2	10.5	11.8	10.4	11.1	46
48	13.0	12.0	10.7	13.0	12.0	11.4	13.0	11.9	11.6	13.0	11.4	11.2	11.9	10.5	9.8	10.4	9.5	9.8	48
50	13.0	10.6		12.4	10.7	10.1	12.0	11.2	10.6	12.0	10.8	10.6	11.1	9.1	8.4	9.9	8.8	9.1	50
52	11.6	9.3		10.9	9.4	8.8	11.0	9.9	9.4	11.0	10.3	9.9	10.2	8.4	7.7	8.9	7.6	8.4	52
54	10.2	8.2		9.6	8.2		9.8	8.8	8.3	10.0	9.2	8.8	9.4	7.7	7.0	8.4	7.6	7.7	54
56	9.0	7.1		8.4	7.2		8.6	7.7	7.2	9.0	8.1	7.8	8.5	7.0	6.3	7.7	6.3	7.0	56
58	7.5	6.0		7.3	6.2		7.5	6.7		8.0	7.1	6.8	7.7	6.3	5.6	6.9	5.7	6.3	58
60	4.3	4.6		6.2	5.2		6.4	5.8		7.0	6.2	5.8	6.8	5.6	4.9	6.1	5.0	5.6	60
62				5.3	4.3		5.5	4.9		6.0	5.3		5.9	4.9	4.2	5.8	4.8	4.9	62
64				3.7	3.5		4.6	4.1		5.4	4.5		5.1	4.2		5.0	4.1	4.2	64
66							3.7	3.3		4.4	3.8		4.2	3.5		4.1	3.4	3.5	66
68							2.8	2.6		3.5	3.1		3.4	3.1		3.3	3.0		68
70										2.6	2.4		2.7	2.5		2.6	2.4		70
72													2.0	1.9		1.9	1.8		72

Lifting capacities



	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m			79.5+6.5 m			
	12 m			12 m			12 m			12 m			12 m			12 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	55.1																		12
14	50.0			47.9															14
16	45.2			43.6			39.9												16
18	41.5	34.4	24.4	40.0	33.7		36.8												18
20	38.2	33.5	24.1	36.7	32.5	24.1	31.7	29.3		33.4									20
22	35.2	31.1	23.7	33.1	29.3	23.8	29.6	27.6	23.7	28.3	24.4		27.6						22
24	31.2	28.8	23.5	29.6	27.3	23.6	27.5	25.9	23.5	26.5	23.2	20.3	25.7			16.8			24
26	28.7	27.0	23.2	27.5	25.6	23.4	25.8	24.3	22.2	24.7	22.3	19.7	24.0	18.8		16.0			26
28	26.7	25.4	22.9	25.8	24.2	22.3	24.3	23.0	21.0	23.3	21.5	19.1	22.5	18.0	16.0	15.1	12.9		28
30	25.1	23.9	22.2	24.2	22.8	21.0	22.8	21.7	20.1	22.0	20.3	18.5	21.0	17.4	15.5	14.3	12.4	11.3	30
32	23.7	22.7	21.0	22.8	21.5	20.0	21.4	20.5	19.0	20.6	19.2	17.8	19.8	16.7	15.0	13.6	11.9	10.9	32
34	22.3	21.5	19.8	21.5	20.4	18.9	20.3	19.5	18.1	19.4	18.3	17.0	18.7	16.1	14.7	13.0	11.3	10.5	34
36	21.0	20.4	18.9	20.2	19.2	18.0	19.1	18.4	17.3	18.4	17.4	16.2	17.5	15.6	14.2	12.4	10.9	10.1	36
38	19.8	19.2	18.1	19.0	18.1	17.1	18.1	17.5	16.4	17.4	16.6	15.4	16.4	14.5	13.7	11.9	10.5	9.7	38
40	18.8	18.2	17.1	18.0	17.2	16.2	17.2	16.7	15.6	16.4	15.8	14.8	15.5	13.8	13.0	11.4	10.0	9.1	40
42	17.8	17.4	16.3	17.0	16.3	15.4	16.2	15.9	14.9	15.5	15.1	14.1	14.6	13.1	12.3	10.9	9.3	8.7	42
44	16.8	14.9	15.5	16.1	14.0	14.6	15.4	13.6	14.2	14.8	12.9	13.5	13.8	12.4	11.6	10.4	8.9	8.5	44
46	14.0	14.1	13.8	13.2	13.2	13.0	12.6	12.8	12.5	12.0	12.2	11.9	12.5	11.6	11.1	10.0	8.6	8.2	46
48	13.2	13.4	13.2	12.4	12.5	12.4	11.9	12.2	12.0	11.3	11.7	11.3	10.9	11.0	10.5	9.8	8.3	7.9	48
50	11.9	12.8	11.1	11.2	11.9	10.3	11.3	11.6	9.9	10.7	11.1	9.4	10.1	9.8	9.8	9.2	8.0	7.7	50
52	10.7	12.0	10.1	10.0	11.3	9.6	10.7	11.1	9.4	10.1	10.5	8.9	9.4	9.1	8.4	8.8	7.7	7.4	52
54	9.6	10.8	9.1	8.9	10.7	9.0	9.8	10.5	8.9	9.2	9.9	8.4	8.6	8.4	8.4	8.1	7.5	7.2	54
56	8.5	9.7		7.9	9.7	7.9	8.8	8.9	8.3	8.1	8.5	7.9	7.8	7.7	7.0	7.5	7.2	7.0	56
58	7.6	8.6		6.9	8.6	6.5	7.8	8.0	7.4	7.2	7.5	7.5	7.0	7.0	6.3	6.8	7.0	6.8	58
60	6.7	7.7		6.0	7.7		6.9	7.1	6.5	6.3	6.9	6.9	6.0	6.3	5.6	5.6	6.3	6.3	60
62	5.8	6.7		5.2	6.8		6.1	6.2	5.1	5.5	6.0	6.0	4.9	5.6	5.6	4.8	5.4	5.6	62
64	5.0	4.9		4.4	4.9		5.3	5.4		4.7	5.2	5.2	4.2	4.9	4.9	4.2	4.7	4.9	64
66		3.3		3.6	4.1		4.6	4.6		4.0	4.4	4.0	4.0	4.2	4.2	3.6	4.0	4.2	66
68				3.0	3.4		3.4	3.8		3.3	3.7		3.1	3.7	3.5	3.0	3.7	3.9	68
70					2.6		2.8	3.1		2.6	3.0		2.5	3.0		2.4	3.0	3.3	70
72							2.1	2.5		2.0	2.3		2.0	2.3		1.9	2.3	2.7	72
74														2.1			2.0		74

Lifting capacities

	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m			79.5+6.5 m			
	18 m			18 m			18 m			18 m			18 m			18 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	44.7																		14
16	41.9																		16
18	38.3			36.1															18
20	34.4	23.4		31.2			29.3												20
22	30.6	22.7		28.9	22.8		27.3			24.3									22
24	28.4	22.2	15.4	27.0	22.5		25.5	22.3		23.0									24
26	26.6	21.7	15.1	25.3	22.0	15.2	23.9	21.4		22.0	17.2		20.6						26
28	25.0	21.0	14.9	23.6	21.4	15.0	22.6	20.1	15.2	20.9	16.8		19.4			11.9			28
30	23.4	20.4	14.7	22.3	20.2	14.8	21.1	19.0	15.1	19.7	16.3	13.6	18.3	14.8		11.3			30
32	22.1	19.9	14.4	20.9	19.0	14.6	20.0	18.0	14.9	18.7	15.6	13.4	17.5	14.3		10.7	8.6		32
34	20.9	19.0	14.2	19.5	18.0	14.4	18.9	17.0	14.7	17.7	15.2	13.1	16.6	13.7	10.7	10.1	8.3		34
36	19.7	17.9	14.0	18.6	17.0	14.2	17.8	16.1	14.5	16.7	14.7	12.9	15.6	13.2	10.5	9.6	7.9	7.0	36
38	18.6	16.9	13.8	17.6	16.1	14.1	16.9	15.3	14.2	15.9	14.1	12.7	14.8	12.8	10.2	9.0	7.6	6.7	38
40	15.5	16.0	13.7	14.6	15.3	14.0	14.0	14.5	13.6	13.1	13.5	12.3	13.9	12.5	9.9	8.4	7.3	6.5	40
42	14.6	15.1	13.5	13.7	14.4	13.5	13.2	13.7	12.9	12.3	12.9	11.8	13.1	12.1	9.7	8.0	7.0	6.3	42
44	13.8	14.4	13.4	12.9	13.6	12.9	12.4	13.1	12.3	11.6	12.2	11.4	12.3	11.7	9.2	7.6	6.7	6.1	44
46	13.1	13.7	12.9	12.1	12.9	12.2	11.7	12.5	11.7	10.9	11.6	10.9	11.6	11.3	9.0	7.3	6.4	5.8	46
48	11.5	13.0	12.4	11.4	12.3	11.6	11.1	11.9	11.1	10.3	11.1	10.4	10.9	10.9	8.7	7.0	6.2	5.6	48
50	10.8	11.4	11.8	9.9	10.7	11.1	10.4	10.3	10.7	9.7	9.5	9.9	9.8	9.4	8.5	6.7	6.0	5.4	50
52	10.0	10.8	11.2	9.1	10.1	10.5	9.6	9.7	10.1	9.0	9.1	9.5	9.0	8.8	8.3	6.4	5.7	5.3	52
54	8.5	10.3	9.7	8.4	9.5	9.1	8.8	9.2	8.7	8.2	8.6	8.1	8.3	8.4	8.1	6.2	5.5	5.1	54
56	8.5	9.7	9.2	7.6	9.0	8.5	8.0	8.7	8.2	7.5	8.1	7.7	7.5	8.0	7.7	5.9	5.3	4.9	56
58	7.7	9.2	8.6	6.9	8.5	8.1	7.2	8.2	7.8	6.7	7.7	7.3	6.8	7.5	7.7	5.7	5.1	4.7	58
60	6.9	8.2	8.0	6.1	8.0	7.6	6.4	7.7	7.4	6.0	7.3	6.9	6.0	7.1	7.0	5.5	5.0	4.5	60
62	6.2	7.3		6.1	7.2	6.7	5.6	7.3	7.0	5.2	6.9	6.5	6.0	6.8	6.3	5.2	4.8	4.4	62
64	5.4	6.4		5.3	6.3	5.5	5.5	6.6	6.3	5.2	6.6	6.2	5.3	6.0	5.6	4.6	4.6	4.3	64
66	4.6	5.5		4.6	5.5		4.7	5.8	5.4	4.5	5.5	5.8	4.5	5.3	4.9	4.0	4.4	4.2	66
68	4.2	4.8		3.8	4.7		4.0	5.1	4.2	3.7	5.0	5.0	3.8	4.5	4.2	3.8	3.9	4.0	68
70	2.7	4.0		3.0	4.0		3.2	4.4		3.0	4.5	4.3	3.4	4.3	3.5	3.2	3.7	3.9	70
72		2.1		2.6	3.3		2.7	3.7		2.6	3.6	3.2	2.8	3.6	3.2	2.6	3.1	3.4	72
74					2.6		2.0	3.0		2.0	3.0		2.2	3.0	2.5	2.2	2.6	2.7	74
76								2.4			2.4			2.4		1.7	2.0	2.3	76
78																		2.0	78

Lifting capacities

	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m			79.5+6.5 m			
	24 m			24 m			24 m			24 m			24 m			24 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
16	32.7																		16
18	30.9			31.1															18
20	29.4			29.5			27.0												20
22	27.9			27.5			25.3												22
24	26.5	17.4		25.7			23.7			20.1									24
26	24.7	16.8		24.1	16.9		22.3			19.2			17.0						26
28	23.4	16.4		22.7	16.5		21.0	16.2		18.4			16.1						28
30	22.0	16.0	12.2	21.3	16.1		19.7	15.8		17.5			15.4			9.1			30
32	20.7	15.6	12.0	20.0	15.7	12.1	18.7	15.5		16.8	12.7		14.6			8.4			32
34	19.5	15.3	11.9	18.8	15.4	11.9	17.7	15.1	12.2	16.1	12.3		13.9	10.5		7.9			34
36	18.4	14.9	11.7	17.8	15.0	11.8	16.7	14.8	12.0	15.4	11.3	9.9	13.3	10.2		7.5			36
38	17.4	14.5	11.5	16.8	14.7	11.7	15.8	14.2	11.8	14.6	11.2	9.8	12.7	9.6	7.9	7.1	5.8		38
40	16.5	14.2	11.3	15.9	14.4	11.5	15.0	13.5	11.7	13.9	11.2	9.7	12.2	9.2	7.7	6.8	5.5		40
42	15.7	13.9	11.2	15.1	13.8	11.4	14.3	12.9	11.6	13.2	11.1	9.5	11.7	8.9	7.5	6.5	5.3	4.9	42
44	14.9	13.5	11.0	14.3	13.0	11.2	13.5	12.2	11.4	12.5	10.8	9.4	11.2	8.7	7.3	6.1	5.0	4.7	44
46	14.1	12.9	11.0	13.5	12.4	11.1	12.9	11.6	10.9	11.8	10.4	9.2	10.8	8.3	7.1	5.8	4.8	4.5	46
48	13.5	12.2	10.9	12.9	11.8	11.0	12.3	11.0	10.4	11.3	10.1	9.1	10.1	8.1	7.0	5.5	4.6	4.3	48
50	10.9	11.7	10.8	10.3	11.2	10.6	9.7	10.5	9.9	8.8	9.6	8.8	9.7	7.8	6.8	5.2	4.3	4.0	50
52	10.3	11.1	10.6	9.7	10.6	10.1	9.1	10.0	9.4	8.3	9.2	8.6	9.0	7.6	6.6	5.0	3.9	3.7	52
54	9.5	10.6	10.0	9.1	10.1	9.6	8.5	9.5	9.0	7.8	8.7	8.3	8.3	7.3	6.4	4.8	3.6	3.4	54
56	8.7	10.1	9.5	8.5	9.6	9.2	8.1	9.1	8.6	7.4	8.3	7.9	7.5	7.1	6.3	4.5	3.2	3.1	56
58	7.9	9.6	9.1	7.8	9.1	8.7	7.6	8.7	8.2	7.0	7.9	7.5	7.5	6.9	6.1	4.1	2.8	2.8	58
60	7.1	8.2	8.7	6.9	7.7	8.3	6.7	7.2	7.8	6.6	6.6	7.2	6.8	6.3	5.9	3.7	2.6	2.7	60
62	7.1	7.7	8.3	6.4	7.2	7.8	6.0	6.8	7.4	6.2	6.2	6.9	6.0	5.7	5.8	3.4	2.1	2.4	62
64	6.3	7.2	6.9	5.6	6.6	6.4	5.2	6.4	6.1	5.8	5.8	5.6	5.3	5.5	5.7	3.0	1.8	2.0	64
66	5.5	6.3	5.5	4.8	5.7	5.6	4.5	5.6	5.7	5.0	5.5	5.2	4.5	5.2	5.6	2.9		2.0	66
68	4.7	5.0		4.6	4.5	4.7	3.7	4.7	5.4	4.2	4.7	4.9	4.3	4.2	5.3	2.6			68
70	3.9	4.3		4.0	4.2	3.7	3.5	3.9	4.8	4.0	3.9	4.6	3.7	3.6	4.5	2.3			70
72	3.7	3.6		3.2	3.5		2.9	3.5	4.2	3.3	3.5	4.3	3.0	3.4	4.3	2.2			72
74	2.8	2.9		2.7	2.8		2.2	2.6	3.5	2.5	2.8	3.7	2.5	2.7	3.6	1.9			74
76		2.2		2.1			1.8	2.2		2.0	2.2	3.0	2.0	2.2	3.0	1.8			76
78												2.2			2.3				78

Lifting capacities

	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m			79.5+6.5 m		
	30 m			30 m			30 m			30 m			30 m			30 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	
18	25.8																	18
20	24.4			24.0														20
22	23.3			23.0			22.6											22
24	22.3			22.0			21.7											24
26	21.3			21.1			20.8			16.3								26
28	20.4	13.3		20.2			19.6			15.6								28
30	19.5	12.9		19.4	12.9		18.5			15.0			12.7					30
32	18.8	12.5		18.3	12.5		17.5	12.5		14.4			12.1					32
34	18.1	12.4	8.2	17.3	12.4		16.5	12.3		13.9	11.5		11.5			6.9		34
36	17.4	11.1	8.0	16.3	11.1	8.1	15.7	11.1		13.3	10.4		10.9			6.9		36
38	16.4	10.9	7.9	15.5	10.9	7.9	14.8	10.9		13.0	10.2		10.2	7.7		6.2		38
40	15.5	10.6	7.7	14.7	10.6	7.8	14.4	10.6	8.0	12.5	9.9		9.7	7.4		5.4		40
42	14.7	10.4	7.6	13.9	10.4	7.7	13.8	10.4	7.8	12.1	9.7	7.7	9.3	7.1		5.0	3.9	42
44	14.0	10.1	7.5	13.4	10.2	7.6	13.4	10.1	7.7	11.3	9.4	7.7	8.8	6.8	5.3	4.6	3.5	44
46	13.6	9.8	7.4	12.9	9.9	7.5	12.6	9.8	7.6	10.7	9.1	7.6	8.5	6.6	5.3	4.1	3.0	46
48	13.1	9.5	7.3	12.3	9.7	7.4	11.9	9.3	7.5	10.1	8.9	7.6	8.2	6.4	5.1	3.4	2.6	48
50	12.7	9.3	7.2	11.4	9.3	7.3	11.1	8.8	7.4	9.4	8.4	7.5	7.8	6.2	5.0	3.0		50
52	12.3	9.1	7.1	10.6	8.8	7.2	10.3	8.3	7.4	9.0	7.9	7.4	7.5	6.0	4.8	2.5		52
54	10.7	8.9	7.0	9.8	8.3	7.1	9.5	7.9	7.3	7.8	7.5	7.1	7.2	5.8	4.6			54
56	9.8	8.5	6.9	9.0	7.9	7.0	7.9	7.5	7.1	7.1	7.1	6.8	7.0	5.6	4.3			56
58	8.1	8.0	6.9	8.1	7.5	6.9	7.2	7.1	6.7	6.4	6.7	6.4	6.7	5.3	3.8			58
60	7.3	7.6	6.8	7.3	7.1	6.7	7.2	6.7	6.3	6.4	6.3	6.1	6.2	4.9	3.4			60
62	7.3	7.2	6.7	6.5	6.7	6.4	6.4	6.3	6.0	5.7	5.9	5.7	5.9	4.5	3.0			62
64	6.5	6.8	6.4	6.5	6.3	6.0	5.6	5.9	5.7	5.0	5.3	5.3	5.2	4.4	3.0			64
66	5.7	6.4	6.0	5.7	6.0	5.7	5.6	5.6	5.4	4.2	4.9	5.0	5.2	4.0	2.5			66
68	5.7	6.0	5.7	4.9	5.7	5.4	4.8	5.3	5.0	4.2	4.2	4.3	4.5	3.6	2.3			68
70	4.9	5.5	5.4	4.1	5.3	5.1	4.0	5.0	4.7	3.5	3.7	3.9	3.8	3.1	2.1			70
72	4.1	4.8	4.9	3.9	4.6	4.6	3.2	4.6	4.4	2.8	3.1	3.2	3.4	3.0				72
74	3.8	4.1		3.3	3.9	3.9	3.0	4.1	4.1	2.6		2.7	2.8	2.7				74
76	3.2	3.4		2.7	3.3	3.2	2.4	3.5	3.5	2.1		2.5	2.3	2.3				76
78	2.4	2.8			2.7			2.9	2.9			2.3		2.2				78
80					2.1			2.3	2.3			1.9						80

Lifting capacities

T 53.1~79.5m

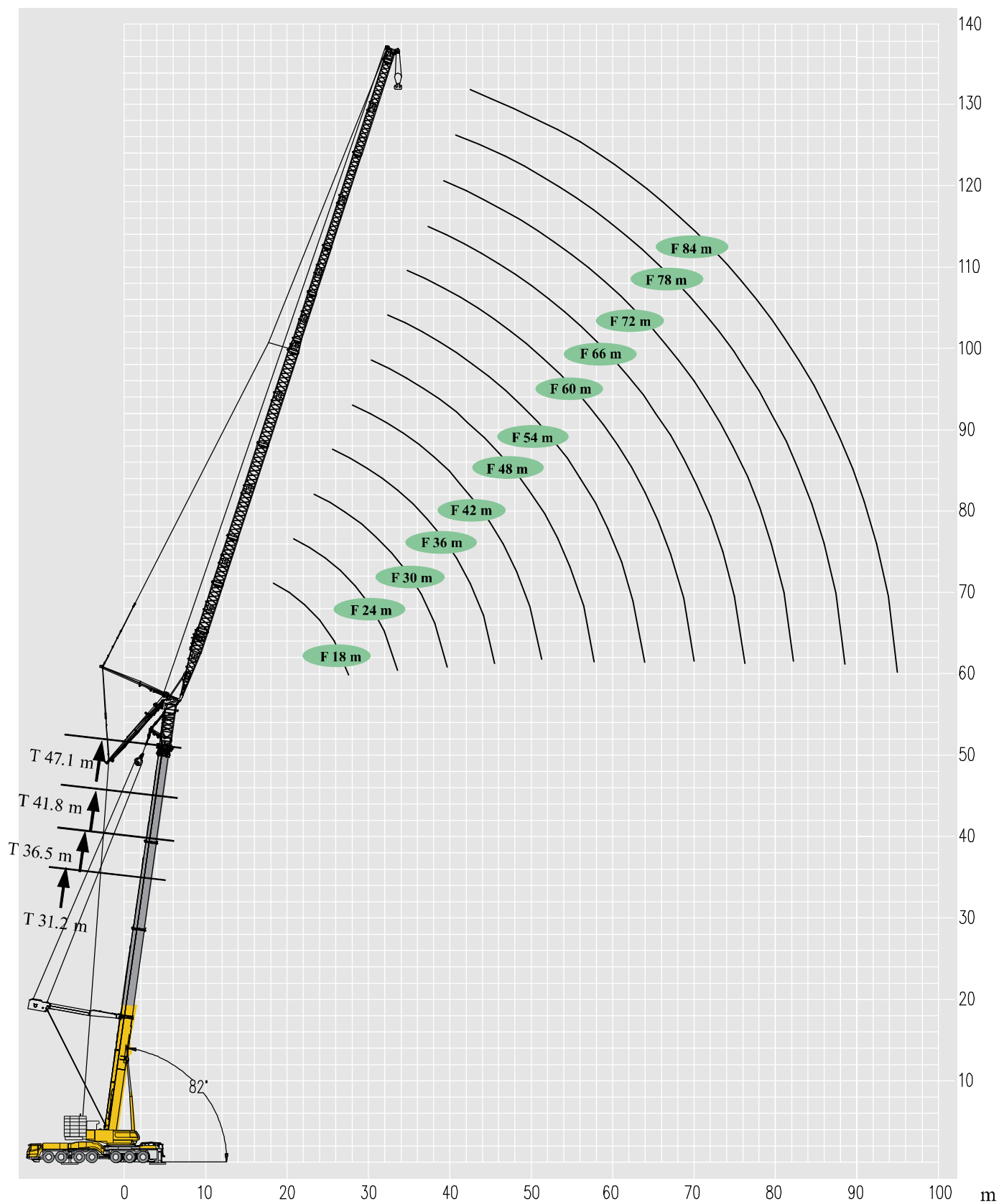
	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m			74.2+6.5 m		79.5+6.5 m	
	36 m			36 m			36 m			36 m			36 m		36 m	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	0°	
20	20.5															20
22	19.6			19.0												22
24	18.6			18.2												24
26	17.7			17.4			17.0									26
28	16.9			16.7			16.4			13.9						28
30	16.2	9.9		16.0			15.8			13.3						30
32	15.6	9.7		15.4			15.2			12.9			9.2			32
34	14.9	9.4		14.8	9.3		14.7			12.4			9.0		5.2	34
36	14.4	9.1		14.3	9.0		14.2	8.9		11.7			8.7		5.0	36
38	13.9	8.8		13.8	8.7		13.6	8.6		10.8			8.3		4.5	38
40	13.4	8.6	6.2	13.4	8.5		12.9	8.5		10.5	6.8		7.9		3.8	40
42	13.0	8.3	6.0	12.8	8.3	6.0	12.2	8.3		10.1	6.7		7.5		3.1	42
44	12.6	8.1	5.9	12.1	8.1	5.9	11.6	8.1	6.0	9.7	6.6		7.1	5.2	2.4	44
46	12.2	7.9	5.8	11.5	7.9	5.8	11.0	7.9	6.0	9.4	6.4		6.8	4.5	1.8	46
48	10.6	7.7	5.7	9.9	7.7	5.7	9.7	7.7	5.9	9.0	6.2	3.9	6.2	4.1		48
50	10.0	7.5	5.6	9.5	7.6	5.7	9.4	7.6	5.8	8.8	6.1	3.7	5.9	3.6		50
52	9.5	7.4	5.5	9.1	7.5	5.6	9.0	7.4	5.7	8.5	6.0	3.7	5.5	3.2		52
54	8.9	7.3	5.4	8.9	7.3	5.5	8.7	7.3	5.7	8.2	5.9	3.7	4.8	2.7		54
56	8.5	7.1	5.4	8.5	7.2	5.4	8.2	7.1	5.6	8.0	5.7	3.6	4.2	2.2		56
58	8.2	7.0	5.3	7.8	6.9	5.4	7.5	6.7	5.5	7.5	5.6	3.6	3.8	2.0		58
60	7.9	6.8	5.2	7.0	6.6	5.3	6.7	6.3	5.6	6.7	5.5	3.6	3.4			60
62	7.2	6.7	5.1	6.2	6.3	5.2	6.0	6.0	5.5	6.0	5.5	3.5	3.4			62
64	6.4	6.3	5.1	6.2	5.9	5.2	6.0	5.6	5.2	5.2	5.3	3.1	2.6			64
66	6.4	6.0	5.0	5.4	5.5	5.1	5.2	5.3	4.9	5.2	5.3	2.9	2.5			66
68	5.6	5.6	5.0	4.7	5.2	4.8	4.5	5.0	4.5	4.5	5.0	2.7				68
70	4.8	5.2	4.8	4.7	4.9	4.5	3.7	4.7	4.2	3.7	4.6	2.3				70
72	4.7	4.9	4.5	3.9	4.6	4.2	3.6	4.3	4.0	3.5	4.1	1.9				72
74	4.0	4.6	4.2	3.1	4.3	3.9	3.0	3.9	3.7	3.0	3.8	1.8				74
76	3.2	4.0	3.8	2.9	3.8	3.6		3.4	3.4	2.2	3.2					76
78	2.9	3.3	3.1		3.1	3.1		3.0	2.8		3.1					78
80		2.8			2.6	2.4			2.4		2.8					80
82		2.2			2.0	2.0			2.0		2.3					82

Lifting capacities

	53.1+6.5 m			58.4+6.5 m			63.6+6.5 m			68.9+6.5 m		74.2+6.5 m		79.5+6.5 m
	42 m			42 m			42 m			42 m		42 m		42 m
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	0°	0°	
22	16.0													22
24	15.2			14.2										24
26	14.4			13.5										26
28	13.5			12.9			12.8							28
30	12.9			12.2			11.5							30
32	12.3			11.8			11.0			9.8				32
34	11.7			11.2			10.5			9.3				34
36	10.6	7.5		10.8			10.1			9.0	7.0	3.9		36
38	10.2	7.3		10.4	7.2		9.8			8.6	6.3	3.8		38
40	9.8	7.0		9.9	7.0		9.4			8.3	5.4	3.7		40
42	9.4	6.9		9.5	6.8		9.0	6.3		7.9	4.7	3.4		42
44	9.0	6.7		9.1	6.6		8.6	6.1		7.5	4.0	3.1		44
46	8.6	6.5	4.4	8.8	6.5		8.4	6.0		7.3	4.3	3.4	2.8	46
48	8.2	6.3	4.3	8.4	6.3	4.4	8.1	5.9		7.1	4.1	2.8		48
50	7.9	6.2	4.2	8.2	6.1	4.3	7.8	5.8	3.7	6.9	4.0	2.2		50
52	7.6	6.0	4.1	7.8	6.0	4.2	7.5	5.6	3.6	6.6	3.9			52
54	7.4	5.9	4.1	7.6	5.8	4.1	7.2	5.5	3.6	6.4	3.8			54
56	7.0	5.7	4.0	7.4	5.7	4.1	7.1	5.4	3.5	6.2	3.7			56
58	6.8	5.6	3.9	7.1	5.6	4.1	6.8	5.2	3.4	5.9	3.3			58
60	6.6	5.4	3.9	6.9	5.5	4.0	6.6	5.1	3.4	5.5	2.9			60
62	6.4	5.3	3.8	6.4	5.4	3.9	6.0	5.0	3.4	5.1	2.4			62
64	6.2	5.1	3.8	6.4	5.2	3.9	5.3	4.9	3.3	4.7				64
66	5.6	5.0	3.7	5.6	5.1	3.7	5.3	4.6	3.3	4.2				66
68	5.6	4.9	3.6	5.6	4.9	3.7	4.5	3.9	3.2	3.8				68
70	5.5	4.8	3.6	4.8	4.6	3.7	4.5	3.3	3.1	3.4				70
72	4.8	4.7	3.6	4.0	4.4	3.7	3.8	2.7	2.9	2.9				72
74	4.0	4.5	3.5	3.9	4.1	3.6	3.0	2.1	2.6	2.8				74
76	3.9	4.1	3.5	3.2	3.8	3.6	2.8		2.4	2.0				76
78	3.2	3.8	3.5	2.8	3.6	3.3	2.3		2.0	1.9				78
80	2.8	3.2	3.2	2.2	3.0	2.9	1.8							80
82	2.3	2.7	3.0		2.4	2.7								82
84		2.1	2.9			2.5								84

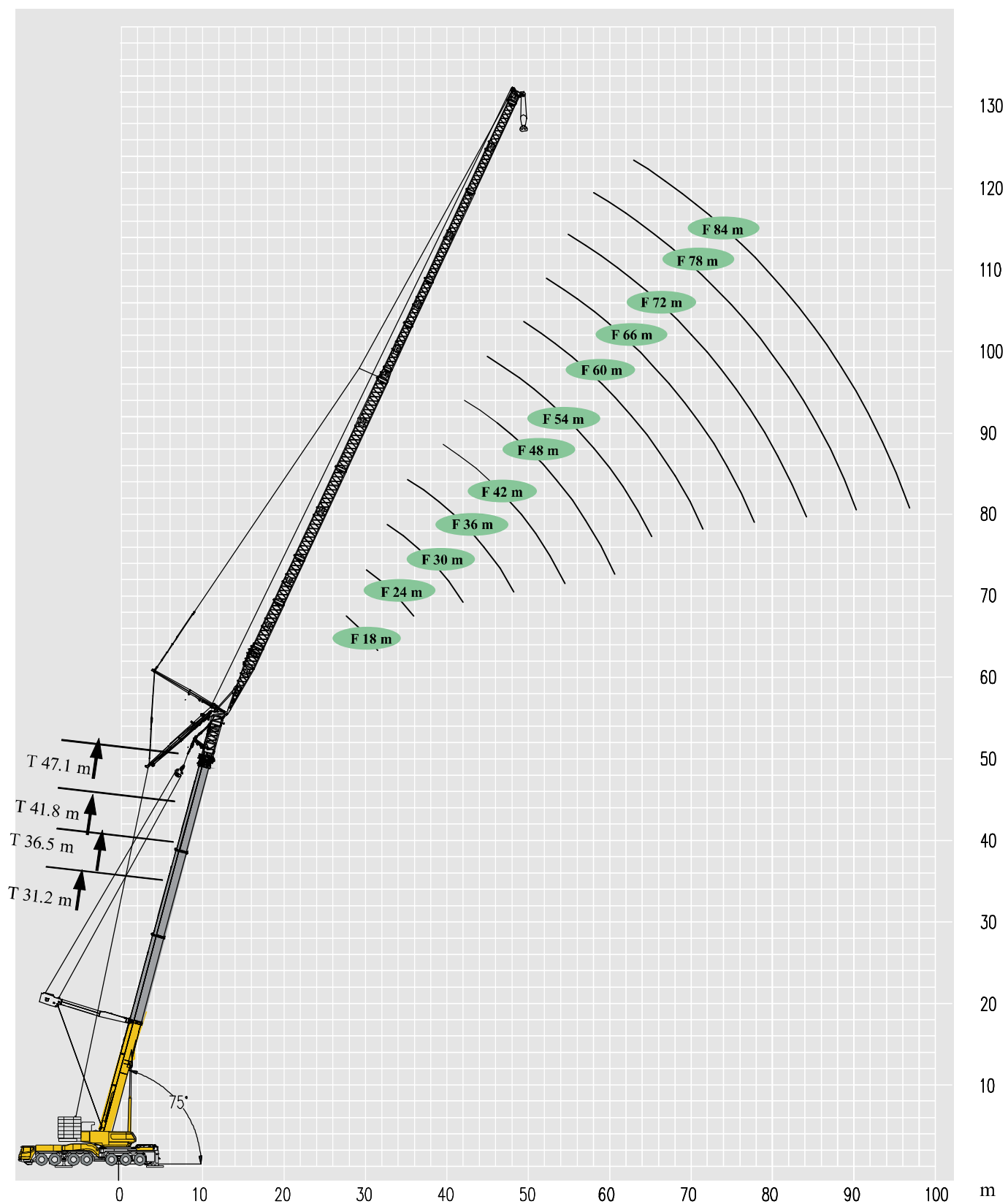
Lifting height chart

Boom+ super lifting device + luffing jib



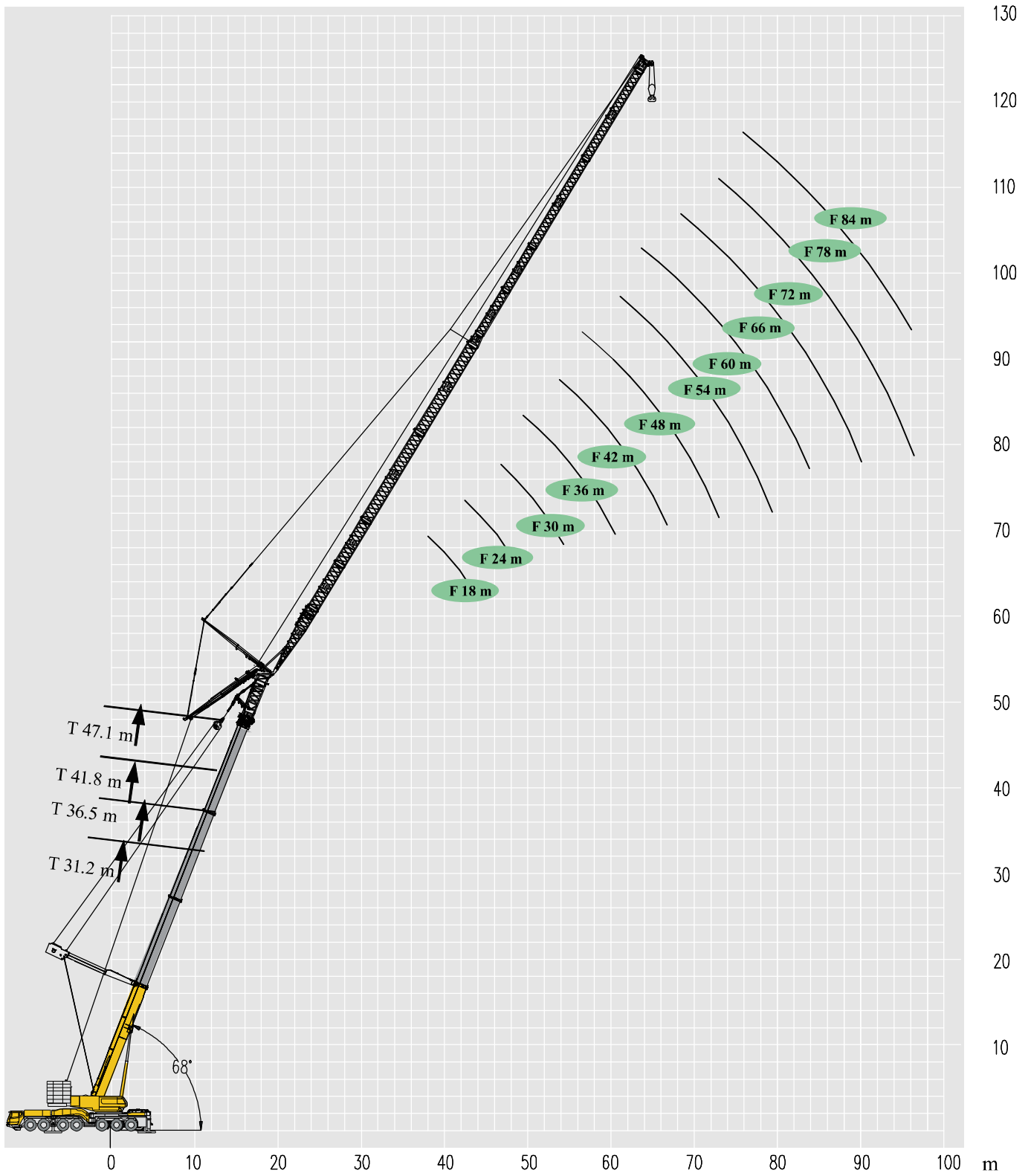
Lifting height chart

Boom+ super lifting device + luffing jib

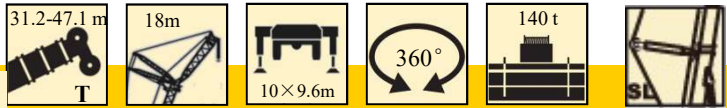


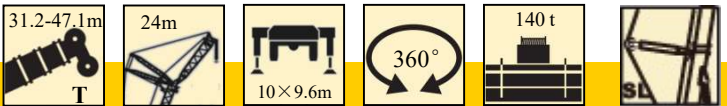
Lifting height chart

Boom+ super lifting device + luffing jib

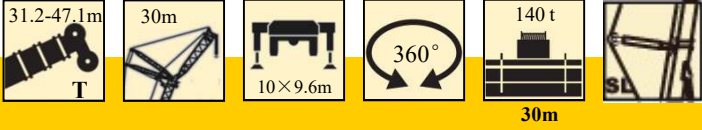


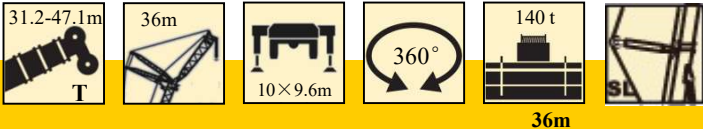
Lifting capacities

										
18m										
m	31.2+7.5m		36.5+7.5m		41.8+7.5m		47.1+7.5m		m	
	82°	75°	82°	75°	82°	75°	82°	75°		
14	86.3								14	
16	85.0		73.9						16	
18	78.0		72.1		65.0		59.8		18	
20	71.0		69.8		61.4		56.2		20	
22	66.0	60.3	62.1	57.8	57.6		52.5		22	
24		55.5		52.5	53.1	47.5	50.1		24	
26		50.8		48.1		45.0			26	
28				42.3		41.4		39.2	28	
30						38.7		37.4	30	

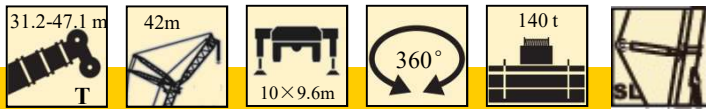
													
24m													
m	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			m
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
16	71.4												16
18	69.7			63.8									18
20	68.7			59.2			52.3			48.3			20
22	65.0			58.1			49.0			45.0			22
24	59.5	54.4		56.9			46.9			42.6			24
26	54.4	50.3		53.7	48.5		46.5			40.6			26
28	49.7	46.5		49.5	44.6		45.7	40.4		39.0			28
30		43.1	39.0		40.9		42.3	38.6		37.3	31.1		30
32		40.0	36.6		38.4	32.9		36.5			28.6		32
34			34.1		35.8	31.9		34.0			27.3		34
36			32.0			29.9		31.8	27.7		26.4		36
38						28.1			25.9			21.6	38
40									24.4			20.8	40
42												20.0	42

Lifting capacities

													
m	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			m
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
18	62.3												18
20	57.0			52.4									20
22	56.8			50.4			45.3						22
24	55.2			49.3			43.4			39.4			24
26	53.8	49.1		48.1			41.3			36.8			26
28	49.8	45.3		47.0	43.2		39.0			35.3			28
30	46.2	42.5		45.5	40.7		38.5			33.7			30
32	42.8	39.6		42.4	37.9		37.8	34.3		32.2			32
34	39.9	37.0	33.5	39.7	35.3		37.2	33.0		29.3	26.6		34
36		34.6	31.4		33.1	29.5	36.4	31.4		27.8	25.5		36
38		32.4	29.5		31.0	27.4		29.5			24.5		38
40			27.7		29.2	25.8		27.8	23.8		23.2		40
42			26.1			24.3		26.0	22.4		22.4	19.2	42
44						22.9			21.1			18.4	44
46									19.9			17.6	46
48												16.8	48

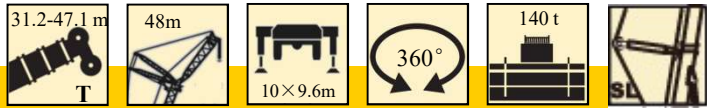
													
m	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			m
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
20	54.4												20
22	53.6			49.6									22
24	51.2			45.6			43.8						24
26	50.0			43.1			41.4			38.3			26
28	49.2	44.5		42.8			39.2			35.9			28
30	46.0	41.4		42.3			36.8			34.3			30
32	42.8	38.6		41.6	37.3		35.3			32.5			32
34	39.7	36.6		39.1	34.9		34.3	31.0		29.0			34
36	37.2	34.0		36.9	32.7		33.6	30.1		28.2	24.3		36
38	34.8	32.1	29.0	34.4	30.7		33.3	29.1		27.2	23.5		38
40	33.0	30.1	27.2	32.3	28.8	25.3	31.7	27.3		26.4	22.4		40
42		28.3	25.6		27.0	23.8	27.9	25.7		24.8	21.6		42
44		26.3	24.2		25.5	22.5		24.2	20.6		20.8		44
46			22.8		23.4	21.1		22.8	19.4		19.2	16.8	46
48			21.5			20.0		21.6	18.4		18.4	16.0	48
50						18.9			17.4			15.2	50
52									16.5			14.4	52
54												13.6	54

Lifting capacities




	42m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
22	49.6												22
24	45.6			44.8									24
26	44.5			42.4			40.3						26
28	43.0			40.2			39.2			35.2			28
30	41.4			38.2			37.4			33.7			30
32	40.1	37.3		36.6			35.7			29.4			32
34	39.0	34.9		35.1	33.0		33.4			28.2			34
36	36.8	32.9		34.3	31.2		32.0	27.8		26.6			36
38	34.6	31.5		33.8	30.0		30.9	26.1		25.7			38
40	32.6	29.8	26.2	31.9	28.3		29.8	25.4		24.9	21.9		40
42	30.5	27.9	25.2	30.3	26.7		28.5	24.8		24.0	20.8		42
44	28.6	26.4	23.7	28.6	25.1	21.9	27.3	23.7		23.2	20.0		44
46	26.5	24.9	22.3	26.2	23.8	20.6	26.0	22.3	18.7	22.4	19.2		46
48		23.6	21.1		22.5	19.5	24.8	21.0	17.7	20.8	18.4		48
50		22.3	20.0		21.4	18.5		19.9	16.7		17.6	15.3	50
52			19.0		20.1	17.5		18.9	15.8		16.8	14.5	52
54			18.0			16.6		18.0	15.0		16.0	13.6	54
56						15.8			14.2			12.8	56
58									13.5			12.0	58
60												11.2	60

Lifting capacities




	48m												m
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
24	42.1												24
26	41.3			40.9									26
28	39.8			39.8			36.5						28
30	38.9			38.3			35.4			30.4			30
32	36.6			35.2			34.0			28.0			32
34	35.1			33.8			31.8			26.7			34
36	33.3	31.5		32.4			30.5			25.6			36
38	32.6	29.8		30.9	27.4		29.0			24.8			38
40	31.7	28.1		29.4	26.3		28.2	24.4		24.0			40
42	30.1	26.6		28.3	25.0		26.7	22.6		23.2	20.0		42
44	28.6	25.6		27.6	24.2		26.1	22.0		22.4	19.2		44
46	27.0	24.3	21.6	26.3	23.1		24.3	21.1		21.6	18.4		46
48	25.6	23.0	20.5	25.1	21.8	18.8	23.7	20.6		20.8	17.6		48
50	24.1	21.7	19.4	23.8	20.7	17.8	22.8	19.5	16.2	20.0	16.8		50
52	23.0	20.6	18.4	22.5	19.6	16.9	22.0	18.5	15.4	19.2	16.0		52
54		19.6	17.4		18.6	16.0	20.8	17.6	14.5	18.4	15.2	12.8	54
56		18.6	16.6		17.7	15.2		16.7	13.8		14.4	12.0	56
58			15.7		16.8	14.3		15.9	13.0		14.4	12.0	58
60			14.9			13.6		15.1	12.4		13.6	11.2	60
62						13.0					11.8	10.4	62
64										11.2		10.4	64
66												9.6	66

Lifting capacities



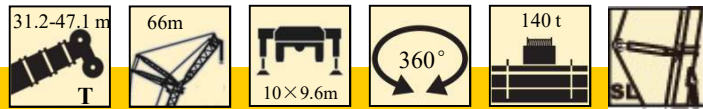
	54m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
26	36.3												26
28	35.4			33.3									28
30	34.3			33.1			28.6						30
32	33.0			31.6			26.9			23.9			32
34	32.1			29.8			26.0			23.1			34
36	31.2	29.8		28.7			25.3			21.5			36
38	30.1	28.9		27.8			24.3			21.5			38
40	29.2	27.5		26.9	24.9		23.7			19.9			40
42	28.6	26.1		26.0	24.7		23.1	21.2		19.9			42
44	27.9	24.8		25.4	23.4		22.6	20.3		19.1	16.4		44
46	26.6	23.8		24.8	22.3		22.2	19.8		18.3	15.6		46
48	25.4	22.7	20.2	24.1	21.6		21.3	19.3		17.5	14.8		48
50	24.1	21.6	19.2	23.6	20.6	17.8	20.9	18.9		17.4	14.8		50
52	23.0	20.5	18.2	22.5	19.6	16.9	20.5	18.3	15.1	16.7	14.0		52
54	21.5	19.4	17.2	21.2	18.6	16.0	20.1	17.4	14.2	16.7	13.2		54
56	20.0	18.5	16.4	19.8	17.7	15.1	19.5	16.5	13.5	16.5	13.1	10.6	56
58	19.1	17.6	15.5	18.9	16.9	14.3	18.0	15.7	12.9	15.9	12.4	10.5	58
60		16.8	14.7		16.0	13.6	18.0	15.0	12.1	15.2	12.4	9.8	60
62		15.3	14.0		15.3	12.9		14.1	11.5		12.2	9.7	62
64			13.3		14.4	12.3		13.4	11.0		11.6	9.0	64
66			12.7			11.7		12.6	10.4		11.2	8.8	66
68						11.1			9.8			8.8	68
70									9.3			8.0	70
72												8.0	72

Lifting capacities



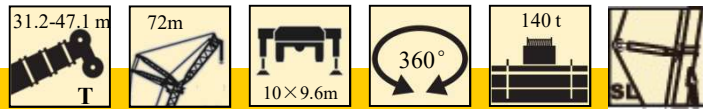
	60m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
28	26.4												28
30	26.0			25.8									30
32	25.3			25.1			23.4						32
34	25.2			24.8			22.7			21.2			34
36	24.5			24.2			21.9			20.5			36
38	24.4	24.7		22.8			21.1			19.7			38
40	23.8	23.8		22.4			20.3			18.9			40
42	23.0	23.2		21.8	21.7		19.5			18.1			42
44	22.4	22.8		21.0	21.2		18.7	18.0		18.0			44
46	21.6	22.3		20.4	20.6		18.2	17.5		17.3			46
48	20.8	21.6		19.7	20.2		17.9	17.0		16.4	13.9		48
50	20.0	20.7		19.1	19.3		17.5	16.4		15.6	13.8		50
52	18.4	19.8	17.7	18.4	18.5		17.0	16.0		15.6	13.1		52
54	17.6	18.9	16.9	17.6	18.0	15.3	16.7	15.9		14.8	12.3		54
56	17.0	18.3	16.0	17.0	17.3	14.6	16.5	15.7		14.8	12.2		56
58	16.8	17.5	15.3	16.5	16.5	13.9	16.2	15.2	12.3	14.7	11.5		58
60	16.0	16.6	14.5	15.9	15.7	13.2	15.8	14.5	11.7	14.0	11.4	9.3	60
62	15.6	15.9	13.8	15.4	14.9	12.5	15.4	13.8	11.1	14.0	10.6	8.5	62
64	15.3	15.0	13.2	15.1	14.2	11.9	15.0	13.1	10.5	13.6	10.6	8.5	64
66		14.4	12.5		13.5	11.3	14.5	12.5	10.0	13.6	10.5	8.1	66
68		13.7	11.9		12.9	10.8		12.0	9.5		9.8	8.0	68
70			11.4		11.7	10.3		11.4	9.0		9.6	7.3	70
72			10.9			9.8		10.8	8.5		9.6	7.2	72
74						9.3			8.1			7.2	74
76									7.7			6.4	76
78												6.4	78

Lifting capacities



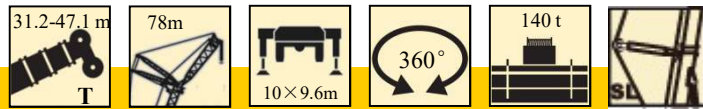
	66m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
30	23.3												30
32	22.5			22.1			21.8						32
34	22.3			21.7			21.0						34
36	21.8			21.3			20.5			18.2			36
38	21.2			20.9			19.4			17.5			38
40	20.8			20.5			19.2			16.7			40
42	20.4	20.5		20.1			18.4			16.6			42
44	20.3	19.4		19.3	18.7		17.6			15.9			44
46	19.8	19.2		19.0	18.0		16.8	15.1		15.1			46
48	19.5	18.8		18.5	17.5		16.2	14.2		14.3			48
50	18.9	18.5		17.7	16.7		16.0	13.7		14.2	12.1		50
52	18.7	18.3		17.4	16.6		15.4	13.5		13.5	11.4		52
54	17.8	17.8	15.3	16.8	16.5		15.2	13.1		13.4	10.6		54
56	17.6	17.1	15.0	16.7	15.8	13.5	14.6	12.8		12.6	10.5		56
58	17.3	16.3	14.3	16.5	15.1	12.9	14.3	12.5		12.6	9.9		58
60	16.8	15.9	13.7	16.3	14.8	12.4	14.0	12.0	10.2	12.1	9.7		60
62	16.4	15.1	13.1	16.0	14.2	11.8	13.8	11.7	10.3	11.9	9.1	7.2	62
64	16.2	14.5	12.5	15.8	13.6	11.3	13.4	11.6	9.8	11.8	9.0	7.2	64
66	15.6	13.8	11.9	15.3	13.0	10.7	13.1	11.6	9.3	11.7	8.9	6.4	66
68	14.7	13.2	11.4	14.5	12.4	10.2	13.0	11.4	8.7	11.1	8.4	6.4	68
70	14.0	12.6	10.8	13.7	11.8	9.7	12.8	10.8	8.3	11.0	8.3	6.4	70
72		12.0	10.3		11.3	9.2	11.9	10.3	7.8	11.2	8.2	5.6	72
74		11.5	9.8		10.7	8.7		9.8	7.5		8.1	5.6	74
76			9.4		10.2	8.2		9.4	7.0		8.0	5.6	76
78			8.8			7.8		8.9	6.7		7.7	5.4	78
80						7.4			6.4			4.8	80
82									5.9			4.8	82
84												4.8	84

Lifting capacities



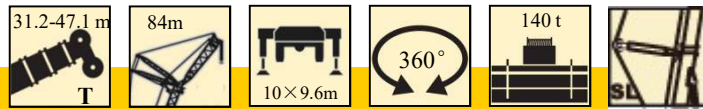
	72m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
32	19.5												32
34	19.5			19.2			18.1						34
36	19.2			19.0			18.1						36
38	19.1			18.8			17.8			15.9			38
40	18.8			18.6			17.7			15.8			40
42	18.4			18.2			16.9			15.1			42
44	18.0			18.0			16.1			14.3			44
46	17.9	17.8		17.3			15.4			14.2			46
48	17.7	16.8		16.9	15.5		15.3			13.6			48
50	17.5	16.0		16.5	14.7		14.6	12.6		12.7			50
52	17.3	15.2		16.1	13.9		14.5	11.9		12.6	10.1		52
54	16.8	15.2		15.7	13.5		13.7	11.8		11.9	9.9		54
56	16.0	14.4		15.3	13.1		13.0	11.1		11.8	9.3		56
58	15.2	13.6	12.6	14.9	12.7		13.0	11.0		11.1	9.1		58
60	15.2	12.8	12.1	14.4	12.3	11.7	12.9	10.3		11.0	8.5		60
62	14.4	12.0	11.7	14.0	11.9	10.6	12.2	10.1		11.0	8.3		62
64	13.6	12.0	11.3	13.6	11.2	10.5	12.2	9.5	8.2	10.2	8.3		64
66	12.8	11.2	11.0	12.8	11.1	10.0	12.0	9.5	7.9	10.2	7.6		66
68	12.1	10.4	10.7	12.0	10.4	9.6	11.4	9.3	7.7	10.2	7.5	5.7	68
70	11.9	10.4	10.4	11.8	10.1	9.2	11.4	8.9	7.6	9.8	7.5	5.6	70
72	11.4	10.0	9.8	11.2	9.9	8.7	11.2	8.9	7.5	9.8	6.7	5.0	72
74	10.6	9.8	9.4	10.5	9.7	8.2	10.4	8.9	7.1	9.8	6.7	4.9	74
76	10.6	9.5	8.8	10.5	9.5	7.8	10.1	8.9	6.7	9.6	6.7	4.8	76
78		9.4	8.4		9.4	7.3	10.1	8.7	6.4	9.6	6.7	4.5	78
80		9.3	8.0		9.0	7.0		8.2	6.0		6.3	4.4	80
82			7.6		8.4	6.6		7.8	5.7		6.3	4.2	82
84			7.2			6.3		7.4	5.3		6.3	4.1	84
86						5.9				5.1		4.0	86
88										4.8		3.9	88
90												3.6	90

Lifting capacities



	78m												m
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
34	16.7												34
36	16.4			16.2			15.7						36
38	16.2			16.0			15.7						38
40	16.0			15.7			15.7			14.3			40
42	15.6			15.6			15.4			14.0			42
44	15.4			15.3			15.3			13.5			44
46	15.2			15.1			14.6			12.7			46
48	14.9	15.5		14.9			13.8			12.4			48
50	14.8	15.1		14.7	13.7		13.8			12.0			50
52	14.4	14.9		14.3	13.2		13.0			11.6			52
54	14.4	14.4		14.3	12.9		13.0	10.6		11.2			54
56	14.0	13.6		13.9	12.4		12.2	10.6		10.8	8.9		56
58	13.8	12.8		13.6	12.1		12.2	9.8		10.3	8.5		58
60	13.6	12.8		13.3	11.6		11.4	9.8		10.0	8.1		60
62	13.4	12.0	11.4	12.8	11.2		11.4	9.0		9.7	7.7		62
64	13.2	11.2	10.9	12.8	10.9	9.7	10.6	9.0		9.6	7.2		64
66	12.8	10.8	10.7	12.4	10.8	9.3	10.6	8.2		9.0	6.9		66
68	12.0	10.7	10.3	12.0	10.6	8.9	10.5	8.2	6.4	8.8	6.9		68
70	11.2	10.4	9.8	11.2	10.4	8.6	10.2	8.1	6.4	8.8	6.4		70
72	10.8	10.3	9.4	10.7	10.3	8.4	10.1	7.4	6.0	8.5	6.1	4.5	72
74	10.6	9.9	8.9	10.3	9.9	8.0	9.8	7.4	5.9	8.4	6.1	4.4	74
76	9.8	9.7	8.4	9.6	9.7	7.6	9.6	7.4	5.9	8.0	5.8	3.8	76
78	9.7	9.6	8.0	9.5	9.3	7.2	9.5	7.2	5.9	8.0	5.7	3.6	78
80	9.5	9.3	7.6	9.3	8.7	6.8	8.8	7.1	5.7	8.0	5.3	3.6	80
82	8.9	8.8	7.0	8.8	8.3	6.5	8.7	7.0	5.3	8.0	5.3	3.6	82
84		8.4	6.9		7.9	6.0	8.0	7.0	5.1	8.0	5.3	3.2	84
86		7.6	6.5		7.5	5.8		6.8	4.8		5.3	3.2	86
88			6.0		7.2	5.4		6.4	4.6		4.9	2.8	88
90			5.9			5.0		6.3	4.3		4.8	2.8	90
92						4.9					4.1	2.8	92
94									3.9			2.7	94
96												2.4	96

Lifting capacities



	84m												
	31.2+7.5m			36.5+7.5m			41.8+7.5m			47.1+7.5m			
	82°	75°	68°	82°	75°	68°	82°	75°	68°	82°	75°	68°	
36	13.0												36
38	12.6			12.6			12.2						38
40	12.3			12.3			11.8						40
42	12.1			12.0			11.6			11.1			42
44	12.0			12.0			11.4			10.9			44
46	11.6			11.6			11.1			10.8			46
48	11.5			11.4			11.0			10.6			48
50	11.2	11.7		11.2			10.8			10.3			50
52	11.1	11.5		11.0	11.4		10.6			10.1			52
54	10.8	11.5		10.8	11.4		10.5			9.6			54
56	10.7	11.1		10.6	11.1		10.3	9.7		9.4			56
58	10.7	11.1		10.6	11.0		10.1	9.3		8.8	7.8		58
60	10.5	10.9		10.4	10.8		10.0	9.2		8.7	7.4		60
62	10.2	10.5		10.2	10.3		9.9	8.6		8.4	7.1		62
64	10.1	10.4	8.8	10.0	10.1		9.5	8.4		8.2	6.9		64
66	10.1	10.3	8.8	10.0	9.5	8.0	9.4	7.7		7.7	6.3		66
68	9.8	9.6	8.6	9.8	9.4	7.2	9.4	7.6		7.7	6.2		68
70	9.6	9.6	8.4	9.6	8.8	7.2	8.7	7.6	5.7	7.4	5.9		70
72	9.6	9.2	8.4	9.6	8.8	6.4	8.6	6.9	5.6	6.9	5.7		72
74	9.4	9.1	8.1	9.2	8.0	6.4	8.6	6.8	5.2	6.9	5.5	3.8	74
76	9.2	9.0	7.7	9.2	8.0	5.7	8.6	6.8	5.2	6.9	5.3	3.6	76
78	9.0	8.9	7.4	8.8	7.2	5.7	8.2	6.4	4.4	6.7	5.1	3.4	78
80	8.6	8.7	7.0	8.4	7.2	5.7	8.2	6.4	4.4	6.6	4.9	3.2	80
82	8.6	8.3	6.6	8.0	6.8	5.5	7.7	6.0	4.4	6.6	4.7	3.0	82
84	8.4	7.9	6.0	7.8	6.8	5.2	7.7	5.6	4.0	6.2	4.4	2.8	84
86	7.9	7.6	6.0	7.6	6.8	4.9	6.9	5.6	4.0	6.2	4.3	2.6	86
88	7.4	7.3	5.8	7.3	6.4	4.9	6.9	5.6	3.9	6.2	4.3	2.4	88
90		6.9	5.0		6.1	4.7	6.2	4.8	3.2	6.0	3.9	2.1	90
92		6.6	5.0		5.9	4.5		4.8	3.2		3.9	2.0	92
94			5.0		5.6	4.0		4.8	3.2		3.9	2.0	94
96			4.8			4.0		4.0	2.6		3.9	2.0	96
98						3.8			2.6				98
100									2.6				100

Table of main technical parameters

Category	Item	Unit	Parameter		
Dimensions	Dimensions (length×width×height)	mm	19165×3000×4000 18590×3000×4000		
	Wheel base	mm	1650+2360+1650+3300+1650+2580		
	Track (Front/ Rear)	mm	2540/2540/2540/2540/2540/2540/2540		
	Front/ Rear overhang	mm	2610/1800		
	Front/ Rear extension	mm	1565/0 990/0		
Weight	Max. permissible weight	kg	84000		
	Axle load	1st axle	kg	12000	
		2nd axle	kg	12000	
		3rd axle	kg	12000	
		4th axle	kg	12000	
		5th axle	kg	12000	
		6th axle	kg	12000	
		7th axle	kg	12000	
Power	Engine model	—	OM502LA.E3B/1	WP15H660E61	
	Rated power/rpm	kW/(r/min)	482.2/1800	485/1800	
	Max. output torque/rpm	N.m/(r/min)	3000/1300	3200/900-1400	
Travel	Max. travel speed	km/h	≥80		
	Min. travel speed	km/h	2		
	Min. turning diameter	m	≤24		
	Min. turning diameter at boom tip	m	≤ 28.5		
	Min. ground clearance	mm	280		
	Approach angle	°	16		
	Departure angle	°	20		
	Braking distance (at 30 km/h)	m	≤10		
	Max. grade ability	%	≥42		
	Fuel consumption per 100 km	L	105		
Noise	Exterior noise level	dB(A)	≤88		
	Noise level at seated position	dB(A)	≤90		

Table of main technical parameters

Category	Item	Unit	Parameter		
Main performance	Max. total rated lifting capacity	t	500		
	Min. rated working radius	m	3		
	Turning radius at turntable tail		mm	6900	
	Max. load moment	Base boom	kN.m	15000	
		Fully-extended boom	kN.m	4450	
	Outrigger span	Longitudinal	m	10	
		Lateral	m	9.6	
	Hoist height	Base boom	m	17	
		Fully-extended boom	m	84	
		Fully-extended boom + Jib	m	125	
		Fully-extended boom + Luffing Jib	m	134	
	Boom length	Base boom	m	16.1	
		Fully-extended boom	m	85	
		Fully-extended boom + Jib	m	128	
Fully-extended boom + Luffing Jib		m	138.6		
Jib offset angle		°	0、20、40		
Working speed	Boom raising time		s	≤90	
	Boom fully extended time		s	≤950	
	Max. slewing speed		r/min	≥1.2	
	Outrigger extending and retracting time	Outrigger beam	Retracting	s	≤60
			Extending	s	≤60
		Outrigger jack	Retracting	s	≤145
			Extending	s	≤135
	Hoisting speed (single line, 4th layer, no load)	Main winch	m/min	≥135	
Winch for luffing jib		m/min	≥40		
Noise	Exterior noise level		dB (A)	≤124	
	Noise level at seated position		dB (A)	≤90	

Description of symbols

General symbols

	Boom length		Axle
	Radius		Driving speed
	Boom angle		Grade ability
	Fixed jib length		Tires
	Jib offset angle		Counterweight
	Super lifting device		Superstructure
	Luffing jib		Chassis
	Wind power jib		360° operation of the boom
	Outriggers		Winch
	Hook block		

Notes

1. The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted from the rated lifting load.
2. The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, wind pressure is 125 N/m²).
4. Before beginning lifting operation, the operator should know the weight of the load to be lifted and its working range, and then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip.
6. The boom should be extended according to the telescoping code shown by digits, which means the percentage of boom sections extended.



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