

XCT200G8-1 Truck Crane

Technical specifications



200 t



88 m



74 m



115 m

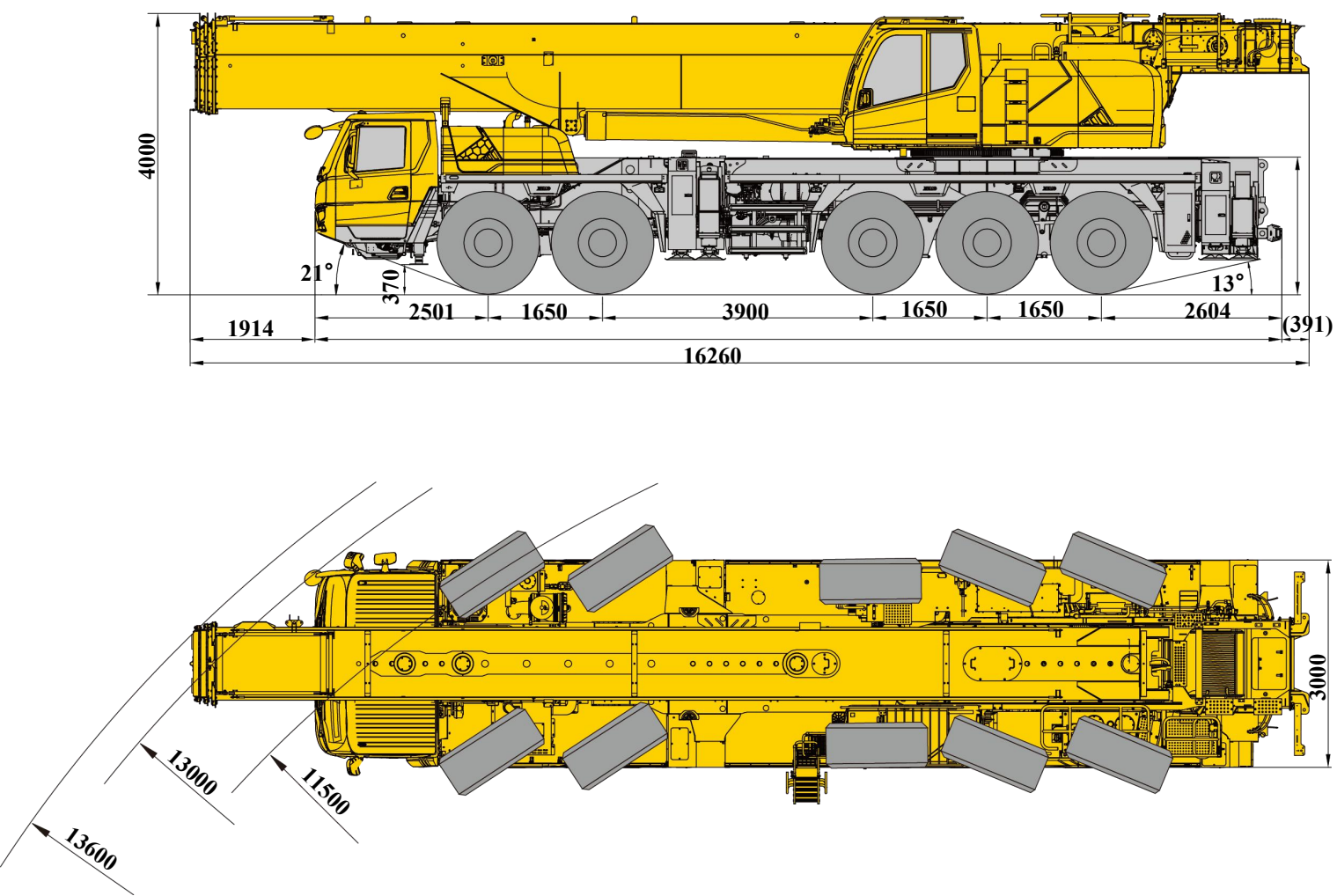


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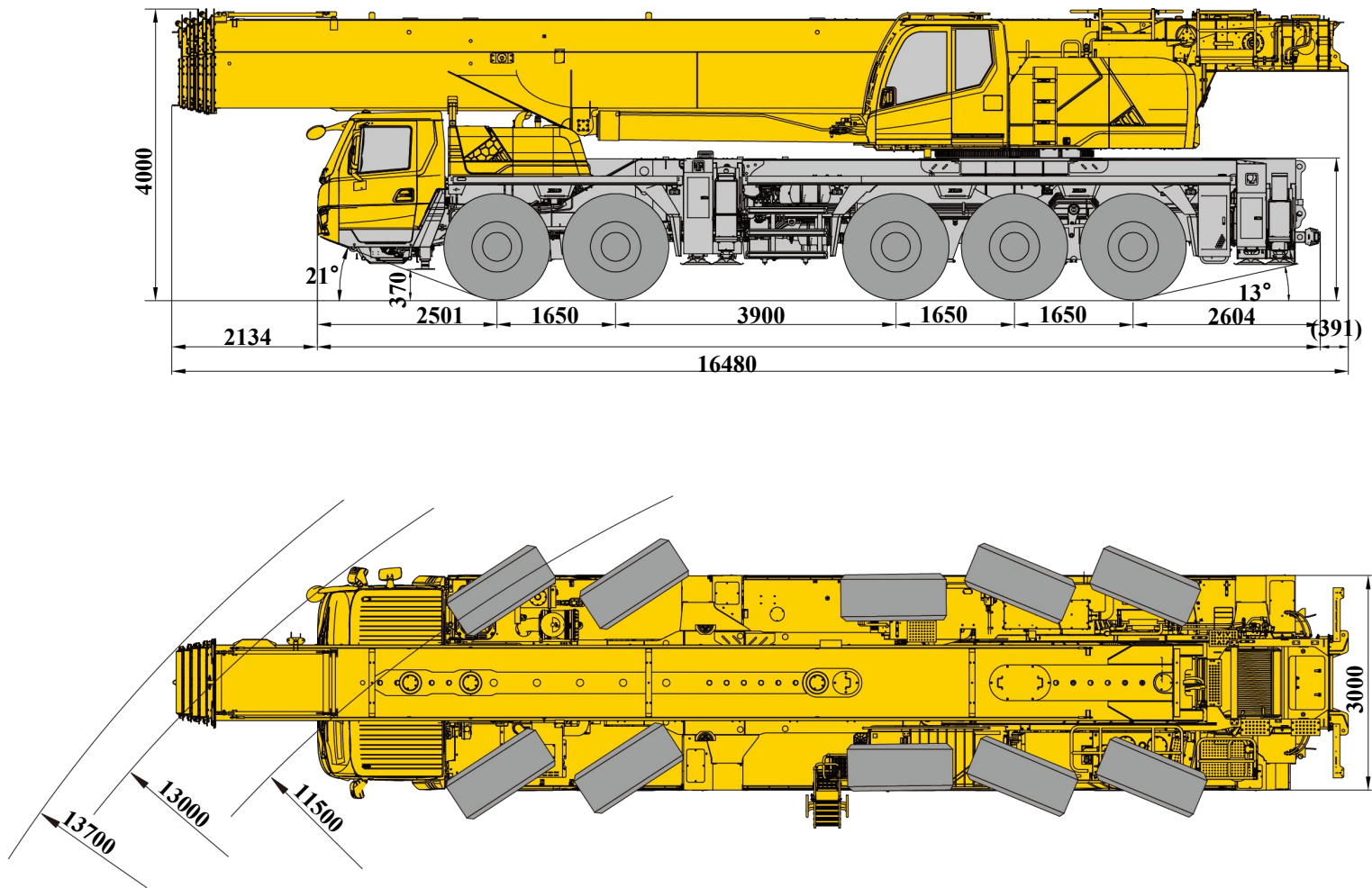
Dimensions

54 t configuration

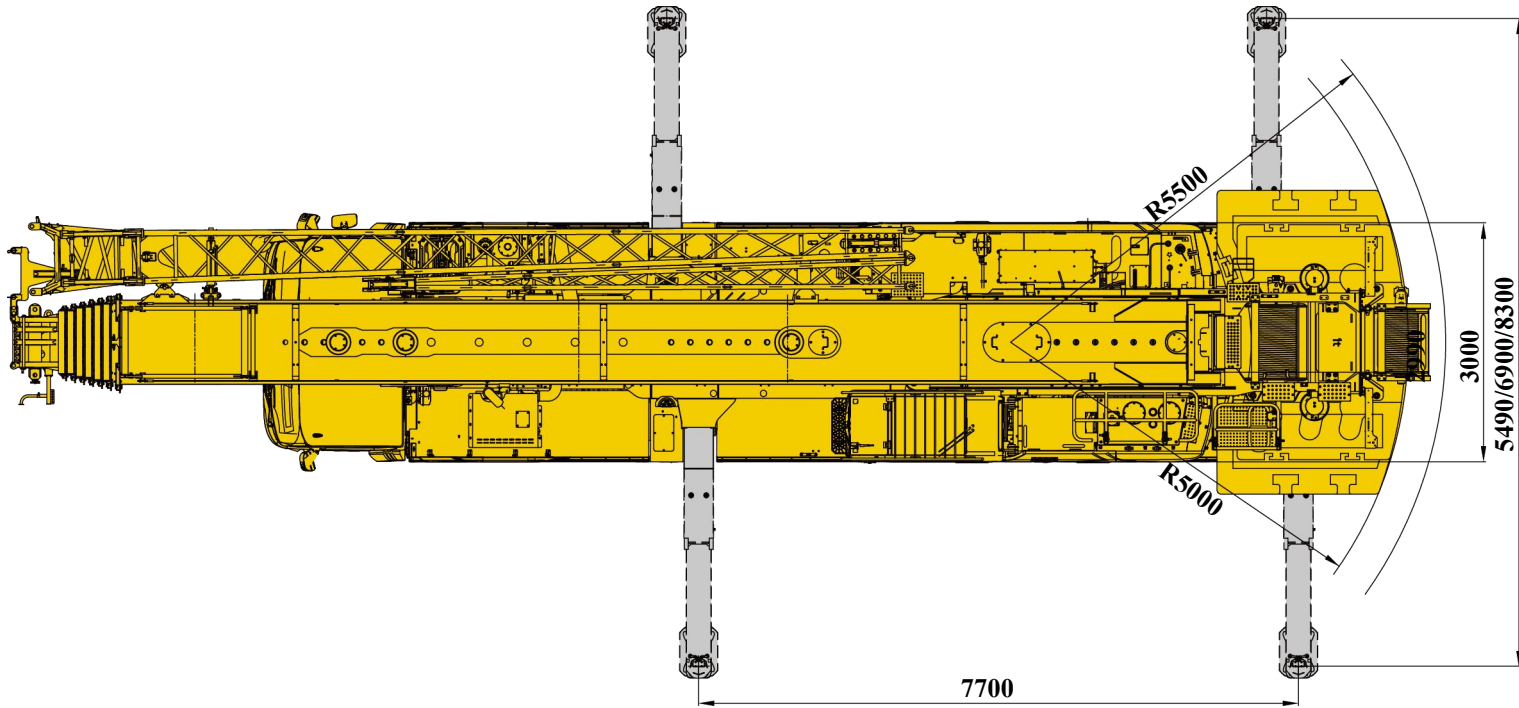
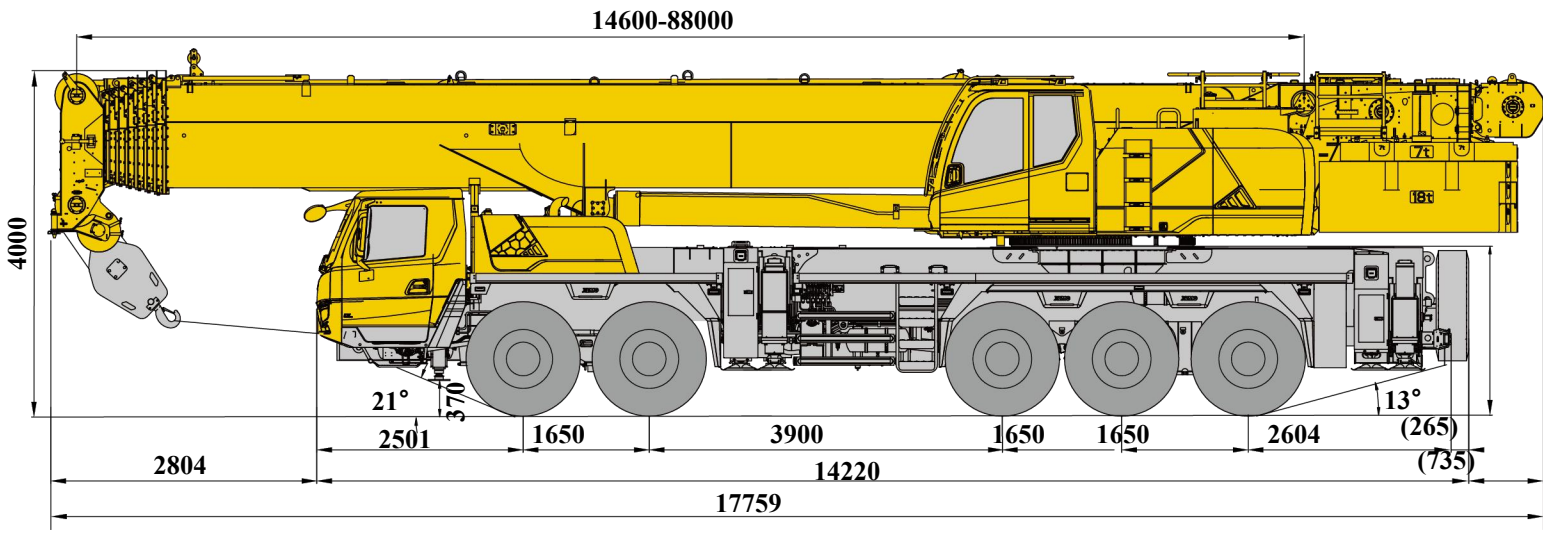


Dimensions

60 t configuration



Dimensions



Technical specifications



Chassis

Frame	Designed and manufactured by XCMG, it is made of high strength steel and anti-torsion box-typed structure.
Outriggers	Four outriggers, H-type arrangement, double-stage outrigger beam. Hydraulic control is used to extend and retract the outrigger beams and jacks. There are manual control levers fitted at each side of the chassis. There is a level gauge, outrigger light and a speed regulating button on each control panel. Each outrigger jack is equipped with a double-way hydraulic lock, and the 5th jack is included. Float dimension: 480mm×615mm; Maximum reaction force of outrigger: front outrigger: 972 kN; rear outrigger: 1009 kN.
Engine	WP10.5H460E62, in-line, 6 cylinders, water cooled, electric control diesel engine made by Weichai. Rated power 338kW/1900rpm; Maximum torque 2100Nm/1000-1400rpm; Maximum reference torque: 2256N.m; Fuel tank capacity: 470 L; AdBlue/DEF tank capacity: 34.3 L; Compliant with China VI emission standard; Engine displacement: 10.52L.
Transmission	10JSD200TB, mechanical manual transmission, made by Shaanxi Fast Gear Co., Ltd., 10-forward gear and 2-reverse gear.
Axles	High strength axles. Axles 1-2 are equipped with disc brake, and raxles 3-5 are equipped with drum brake. 1st, 2nd, 4th and 5th axles are for steering, and 3rd, 4th and 5th axles are for driving. Drive/steer mode: 10×8×6.
Suspension	Leaf springs are adopted for front suspensions; double trailing arm type suspensions are adopted for rear suspensions.
Tires	10 tires and 1 spare tire, each axle is equipped with single tire, with large bearing capacity. Tire specifications: 445/95R25.
Braking system	Service brake: dual-circuit, disc brake for front axles and drum brake for rear axles; Parking brake: air-release spring brake; acting on wheels of axles 2-5. Auxiliary brake: engine in-cylinder retarder brake.
Steering	Axles 1, 2, 4 and 5 are for steering; axles 1 and 2 are mechanically steered + hydraulic power assistance, various steering modes to meet the requirements under different operation modes.
Driver's cab	New full dimension steel structure cab is equipped with safety glass, electrically operated door window lifter, electric heating rearview mirrors, remote control unlocking function, steering wheel, mechanical seat for driver, and double-seat for co-driver, new combined central control panel, LCD display, halogen headlights, fire extinguisher and HVAC system.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.

Technical specifications



Superstructure

Structure	Designed by XCMG, made of high strength steel.
Hydraulic system	Electric-control load-sensing variable pump is used for lifting, luffing and telescoping operations. A closed pump is used for slewing operation. Electric proportional control multi-way valve is adopted. And large-power air-cooled hydraulic oil cooler is used for effectively reducing oil temperature. Hydraulic tank capacity: 1040 L.
Engine	WP7G300E473, in-line, 6 cylinders, water cooled, electric control diesel engine made by Weichai. Rated power: 221 kW/2200 rpm; maximum torque: 1200 Nm/1400-1600 rpm; Compliant with off-road Stage IV emission standard. Engine displacement: 7470 ml. Fuel tank capacity: 330 L; AdBlue/DEF tank capacity: 35 L.
Control system	Pilot electro-hydraulic proportional control, stepless speed regulation. All movements of the crane are controlled by 2 levers at left and right sides and virtual buttons on the display screen.
Main winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped.
Slewing system	Single-row, four-point contact-ball external slewing ring, dual slewing mechanism, driven by a planetary gear reducer, which is driven by a hydraulic motor, with constant-closed brake equipped, may continuously slew 360°. Power control and free swing function as well as stepless speed regulation are available.
Operator's cab	New steel operator's cab tiltable up to 20°. Spacious interiors, expansive field of view, and abundant storage space. All-round view safety glass with an openable windshield. Push-pull sliding door, protective grilles and pull-out side step are equipped. Dual-motor wipers are fitted for the front and roof windows. 2.5 L washer tank is also available. Stylish interior design; 2 kg fire extinguisher; Sun screens for windshield, rear and side windows; Double-layer sun screen for the roof window. Mechanical shock-absorbing, adjustable seat with leather and breathable mesh cloth, featuring seat heating function. Dual LED interior lights and electric fan are available. HMI control panel, 10-inch display, armrest, suspended electronic accelerator are available. Heater and air conditioning are equipped.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, double-way hydraulic lock, LMI, length sensor, angle sensor, lowering limiter for preventing wire rope from over-releasing, anti-two block at boom head for preventing wire rope from over-winding and tri-colored light bar, backup camera, ABS.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.
LMI	When the actual load moment is approaching the overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically cut off before overloading occurs. Overload memory function (black box) and fault diagnosis function are available.
Counterweight	60 t in total (optional 6 t*2), variable position of 0.5 m, with 15 counterweight combinations.
Wireless remote control	Standard counterweight wireless remote control for engine, counterweight cylinder, slewing, and jib folding.
Hook block	75 t hook block, 8 t hook block.



Superstructure

Luffing system	Single cylinder luffing, with counterbalance valve featuring the load compensation function.
Boom	8-section U-shaped boom with single-plate boom head and compact boom tail, adopts single-cylinder pinning telescoping system. 46%, 92% and 100% telescoping patterns are available. Boom length: 14.6 m ~ 88 m.
Fixed jib	Two-section swing-away jib, double-link lattice structure, with three offset angles of 0°, 15° and 30°. Jib length: 10.5 m and 17.5 m.

Configuration and optional equipment

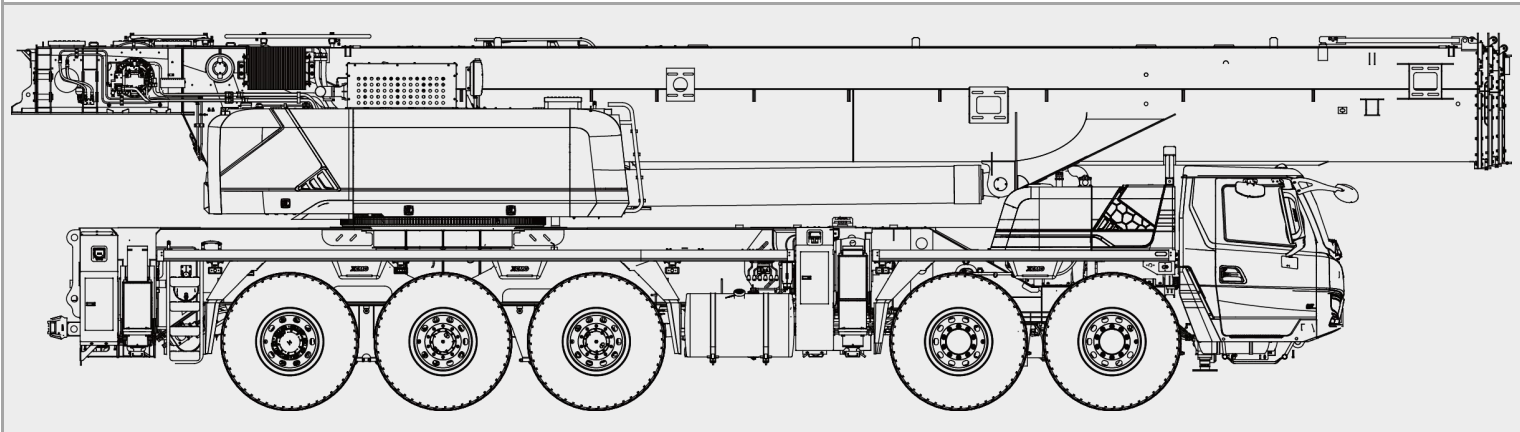
 Configuration	Function description
Enhanced version	8-section boom of 88 m, fixed jib of 17.5 m.

 Optional equipment	
Hook block	130 t hook block
Transport bracket	For supporting the boom during transportation.
Counterweight slab ⑧	6t×2.
Auxiliary winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped.
Auxiliary sheave	Fitted at boom head, used for single line operation. Its lifting performance is the same as that of boom, but the maximum lifting load can not exceed 7 t.
Independent jib head	Lattice welding structure, attached to boom head. Length of independent jib head: 2.9 m.
Extension	Two-section lattice welded structure, attached to boom head. Boom extension length: 8 m×2.
Jib assist device	Jib assist device with hydraulic power assistance.
Engine preheating device	It is installed in the engine cooling system and is used for preheating and starting the engine.
Beacon light for driving	When beacon light switch at the driver's cab is activated, the beacon light will illuminate, serving as a cautionary signal for surrounding personnel.
OBU	

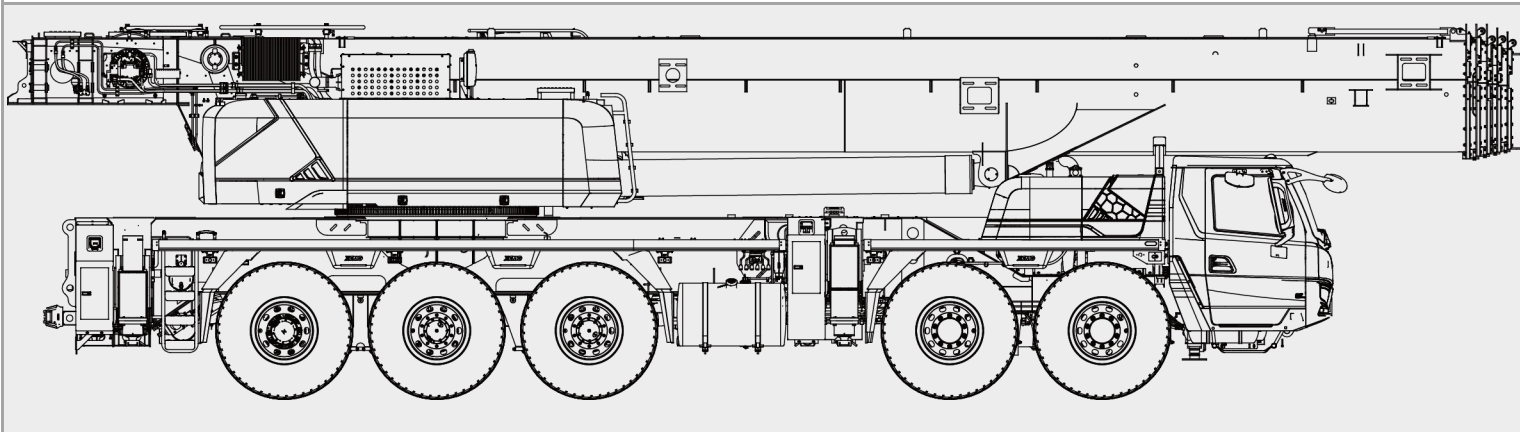
Weights

	1	2	3	4	5	Total weight
t	9	9	12	12	12	54 ¹⁾
t	12	12	12	12	12	60 ²⁾
t	16.9	16.9	21.1	21.1	21.1	97.1 ³⁾

(1) 54 t: declared crane travel configuration
 Superstructure: 4th-8th boom sections, counterweight, hook block, auxiliary sheave, jib and its bracket, auxiliary winch and its wire rope are excluded;
 Chassis: spare tire and its bracket, and outrigger floats are not carried.
 Travel speed: ≤80km/h



(2) 60 t: declared crane travel configuration
 Superstructure: 6th-8th boom sections, counterweight, hook block, auxiliary sheave, jib and its bracket, auxiliary winch and its wire rope are excluded;
 Chassis: spare tire and its bracket, and outrigger floats are not carried.
 Travel speed: ≤80km/h



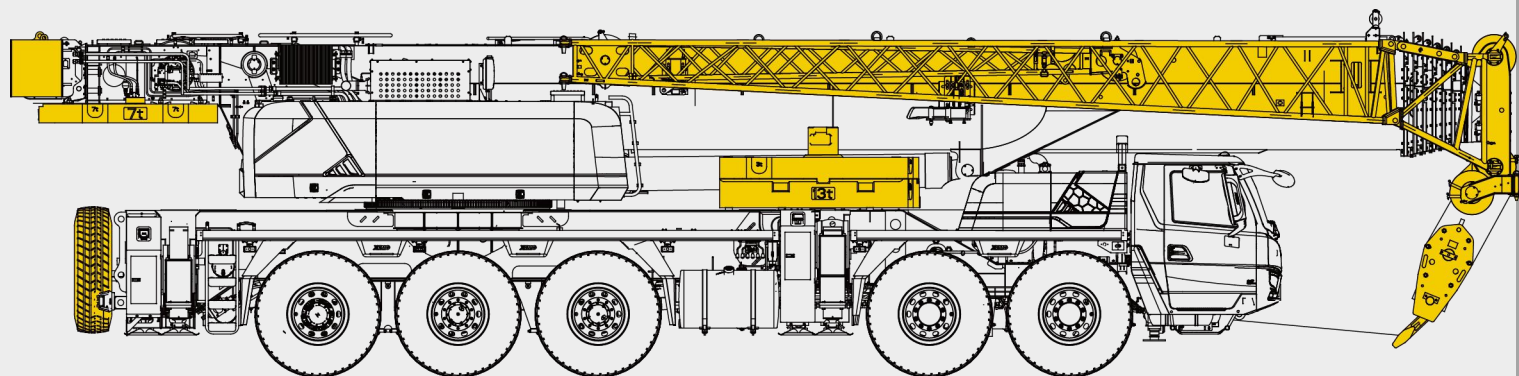
Weights

(3) 97.1 t: Off-road travel configuration

Superstructure: 6th-8th boom sections, 30 t counterweight, hook block, auxiliary sheave, jib and its bracket are carried based on 60 t declared status configuration;

Chassis includes spare tire and its bracket, and outrigger floats based on 60t declared status configuration.

Travel speed: $\leq 20\text{km/h}$



Weights

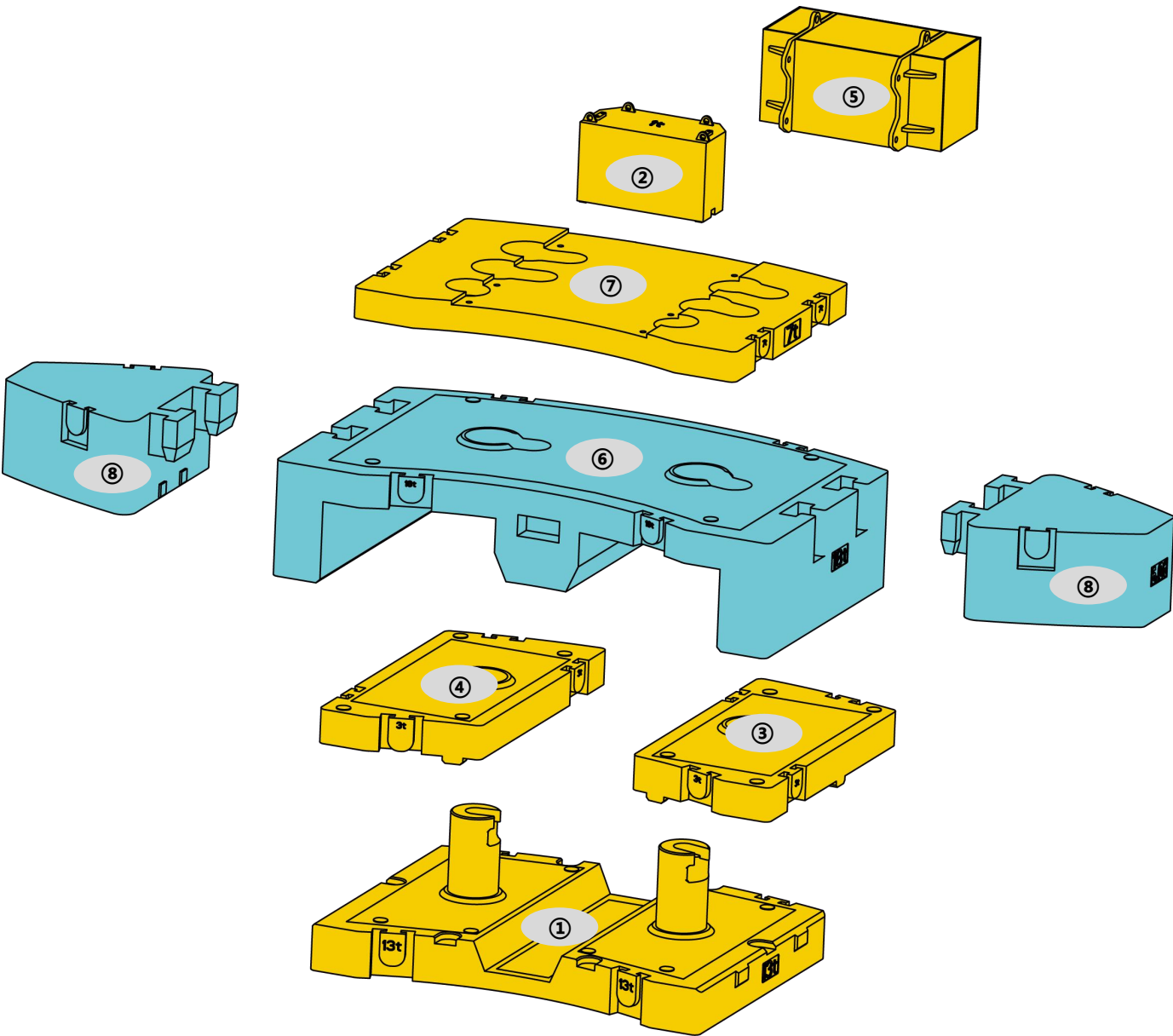
	Parts of line	Hook block weight (kg)	Dimensions (mm)	Notes
130 t	12	1017	1785×730×560	Dual-hook
75 t	7	800	1760×600×420	Dual-hook
8 t	1	370	782×475×475	Single-hook

Working speeds

			
445/95R25		2~80km/h	≥45%

				
	0-130M/min, single line, no load	113.7 kN	22 mm	300 m
	0-90 m/min, single line, no load	68.6 kN	22 mm	240 m
	0-1.5 r/min			
	Approx. 65 s for boom luffing from -0.5° to 82.5°			
	Approx. 1000 s for boom extending from 14.6 m to 88 m			

Counterweight



	①	②	③	④	⑤	⑥	⑦	⑧
Dimensions (L×W×H) (mm)	3020×2360 ×950	969×644×4 70	2346×1153 ×330	2346×1153 ×330	1392×866× 765	3800×2361 ×871	2940×2108 ×222	1450×1412 ×682
Weight (t)	13	1	3	3	3	18	7	6

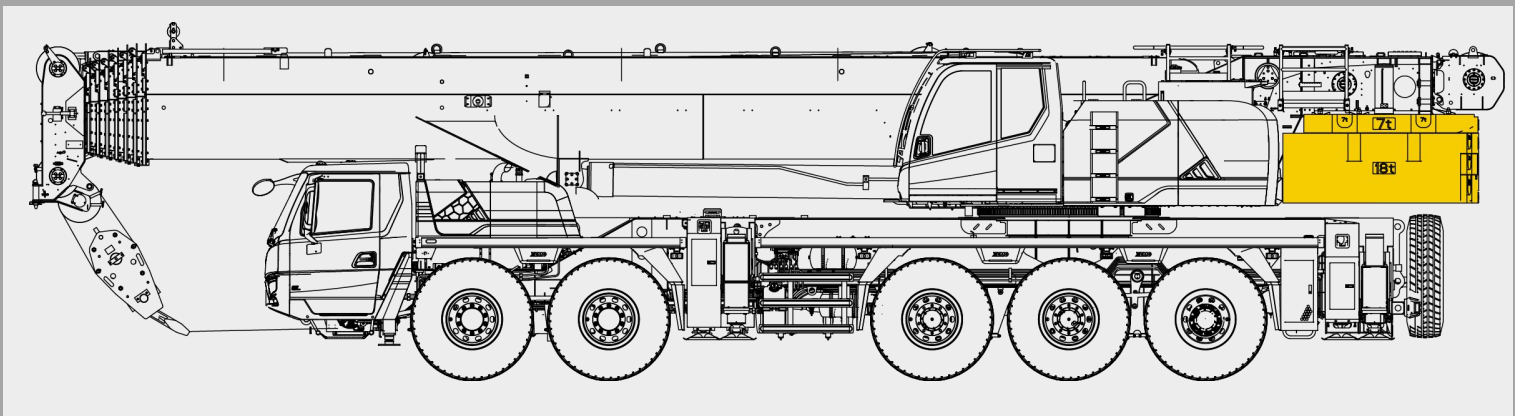
Operation modes	60 t	57 t	48 t	45 t	30 t	27 t	24 t
Combinations	① + ② + ③ + ④ + ⑤ + ⑥ + ⑦ + ⑧ *2	① + ② + ③ + ④ + ⑥ + ⑦ + ⑧ *2	① + ② + ③ + ④ + ⑤ + ⑥ + ⑦	① + ② + ③ + ④ + ⑥ + ⑦	① + ② + ③ + ④ + ⑤ + ⑦	① + ② + ③ + ④ + ⑦	① + ② + ⑤ + ⑦

Operation modes	21 t	17 t	14 t	11 t	8 t	4 t	1 t	0 t
Combinations	① + ② + ⑦	① + ② + ⑤	① + ②	② + ⑤ + ⑦	② + ⑦	② + ⑤	②	—

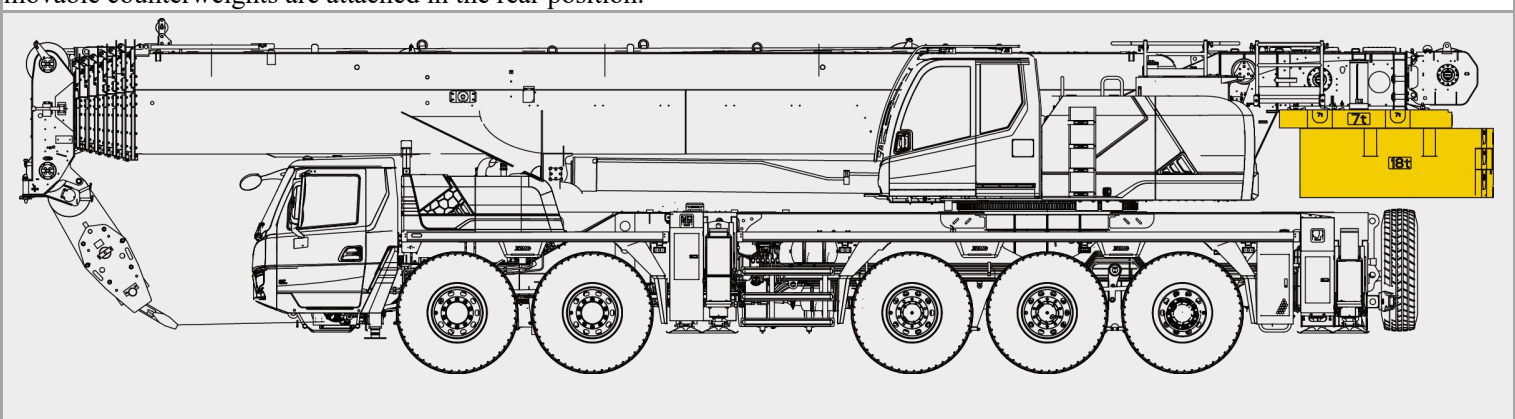
Note: the yellow counterweight slabs can be carried for off-road travel, while blue slabs cannot be carried for off-road travel.

Counterweight

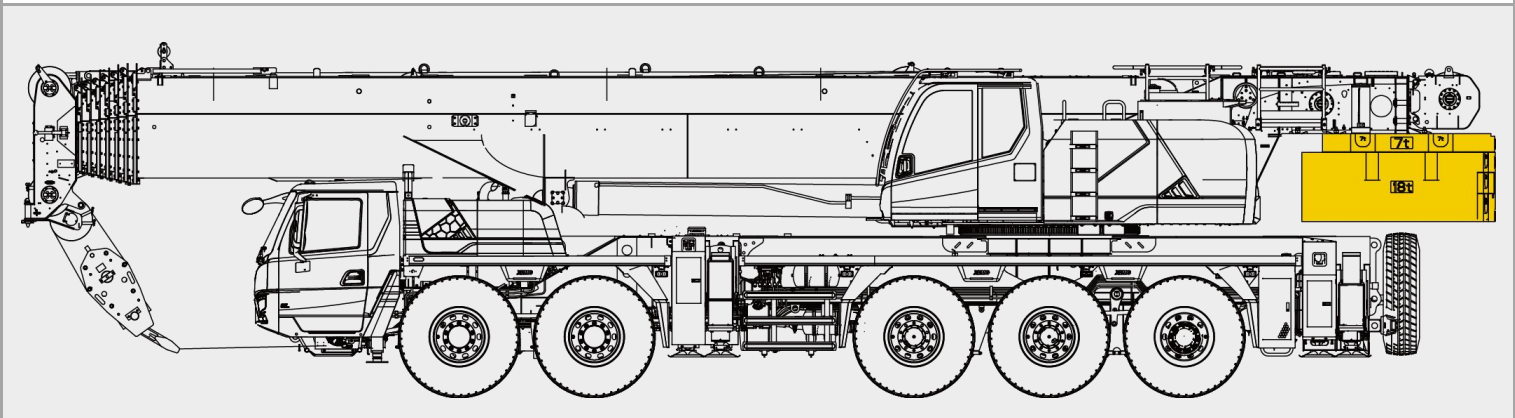
Counterweight in the front position: counterweight below the turntable is attached to the front position.



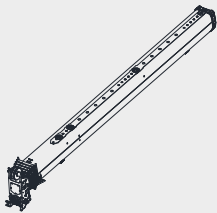
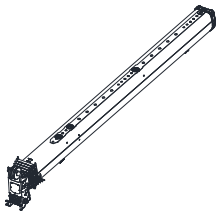
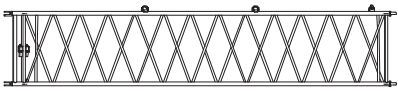
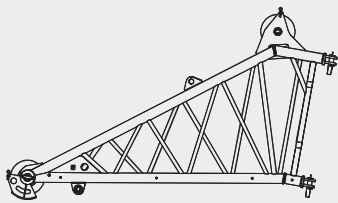
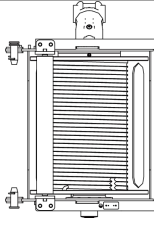
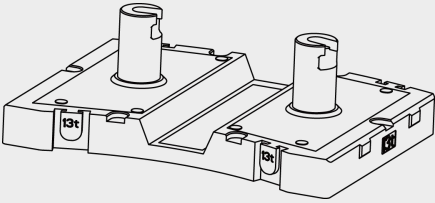
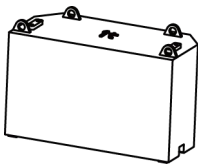
Counterweight in the middle position: counterweight below the turntable, 7 t counterweight is fixed in the front position, and other movable counterweights are attached in the rear position.



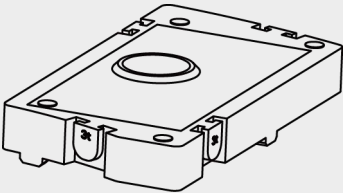
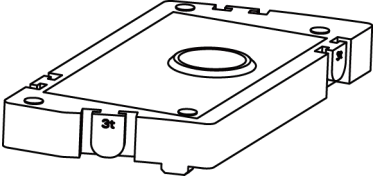
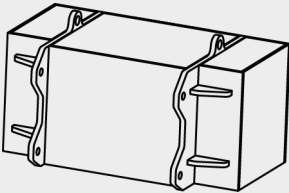
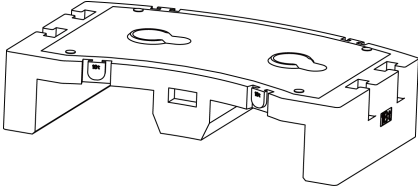
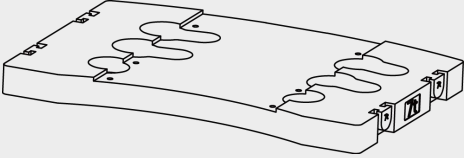
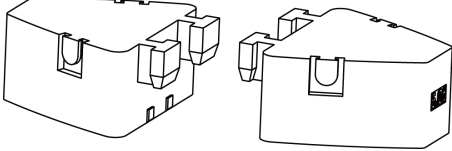
Counterweight in the rear position: counterweight below the turntable is attached to the rear position.



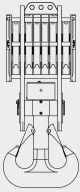
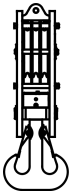
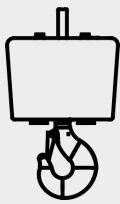
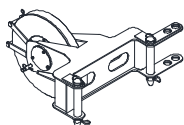
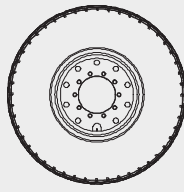
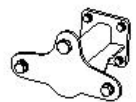
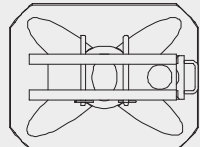
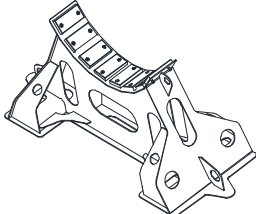
Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
4th-8th boom sections		10345	1	14228×1310×1875
6-8 boom sections		5400	1	13740×1261×1875
Jib (with bracket)		1335	1	11100×950×1570
Extension		530	2	8090×910×1500
Independent jib head		460	1	3170×2395×995
Auxiliary winch system (With wire ropes)		1408	1	1287×764×756
Counterweight ①		13000	1	3020×2360×950
Counterweight slab ②		1000	1	969×644×470

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Counterweight slab ③		3000	1	2346×1153×330
Counterweight slab ④		3000	1	2346×1153×330
Counterweight⑤		3000	1	1392×866×765
Counterweight⑥		18000	1	3800×2361×871
Counterweight slab ⑦		7000	1	2940×2108×222
Counterweight slab ⑧		6000	2	1450×1412×682

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
130 t hook block		1017	1	1785×730×560
75 t hook block		800	1	1760×600×420
8 t hook block		370	1	782×475×475
Auxiliary sheave		83	1	875×520×905
Spare tire		332	1	1490×1490×450
Spare tire bracket		18	1	425×345×248
Outrigger float		38	4	615×480×140
Transport bracket		215	2	1900×900×830

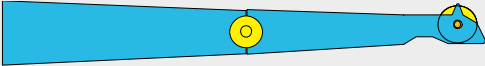
Boom/jib combinations



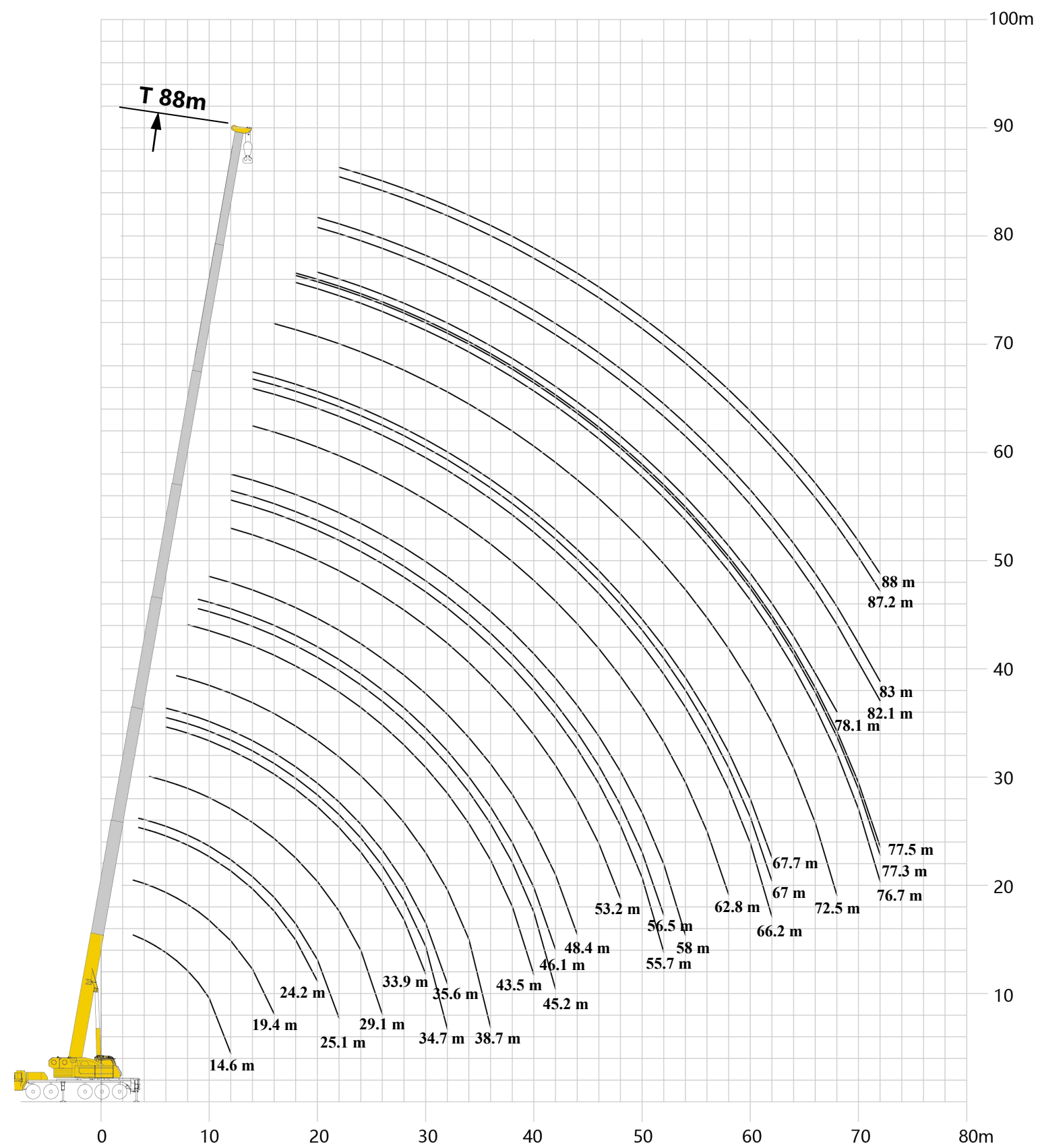
Boom	Boom + jib	Boom extension	Independent jib head
T:14.6-88 m	T:72.5-82.1 m F: 10.5/17.5 m	T:72.5-82.1 m V:8/16 m F: 17.5m	T: 72.5~88m I: 2.9 m

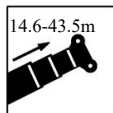
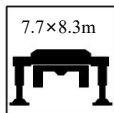
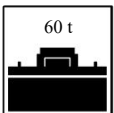
Boom/jib combinations

Components	Structure	Length (m)
1st jib section		10.5
2nd jib section		7
Boom extension		8

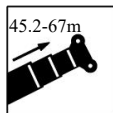
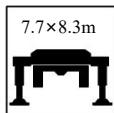
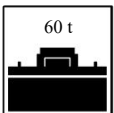
Jib – 10.5 m	
Jib – 17.5 m	
Boom extension + jib - 25.5 m	
Boom extension + jib – 33.5 m	

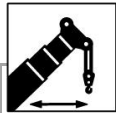
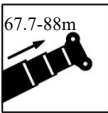
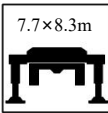
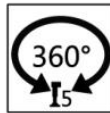
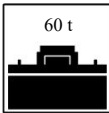
Working range diagram

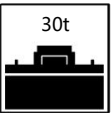


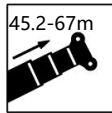
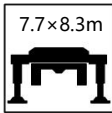
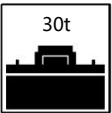
												T 14.6-43.5m	
	14.6	19.4	24.2	25.1	29.1	33.9	34.7	35.6	38.7	43.5			
3	200*												
3	140.0	117.0											3
3.5	130.0	117.0	103.0	35.1									3.5
4	115.0	110.7	99.2	33.2									4
4.5	105.0	102.8	98.0	31.5	92.8								4.5
5	97.0	96.3	97.0	29.7	91.9								5
6	89.0	87.0	85.8	27.1	85.2	77.6	23.5	22.8					6
7	79.0	78.2	76.5	24.5	75.8	75.0	21.6	21.3	66.0				7
8	75.0	71.7	70.3	22.6	68.2	68.4	19.9	19.3	65.5	56.3			8
9	62.7	63.6	64.6	20.8	62.5	61.8	18.4	17.6	59.8	56.3			9
10	55.1	56.7	57.2	19.4	57.0	56.7	17.0	16.2	55.1	54.2			10
12	33.4	46.0	46.3	16.9	46.3	45.8	14.7	14.0	46.3	44.6			12
14		38.0	38.6	14.9	39.3	39.4	12.8	12.3	38.9	38.0			14
16		31.3	32.6	13.3	33.7	33.5	11.5	11.0	32.9	32.2			16
18			28.1	12.2	29.1	28.9	10.4	9.8	28.4	27.6			18
20			25.1	11.0	25.4	25.2	9.4	8.8	24.7	24.9			20
22				10.3	22.4	22.2	8.5	8.0	21.7	22.5			22
24					19.9	19.7	7.7	7.3	19.5	20.0			24
26					17.9	17.6	7.0	6.6	17.6	17.9			26
28						15.8	6.5	6.1	16.3	16.0			28
30						14.7	6.0	5.6	14.9	14.3			30
32							5.4	5.2	13.4	12.8			32
34									12.1	11.5			34
36									10.9	10.4			36
38										9.4			38
40										8.5			40

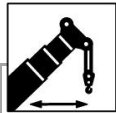
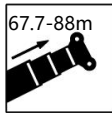
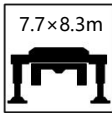
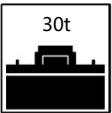
Note: * Capacity class

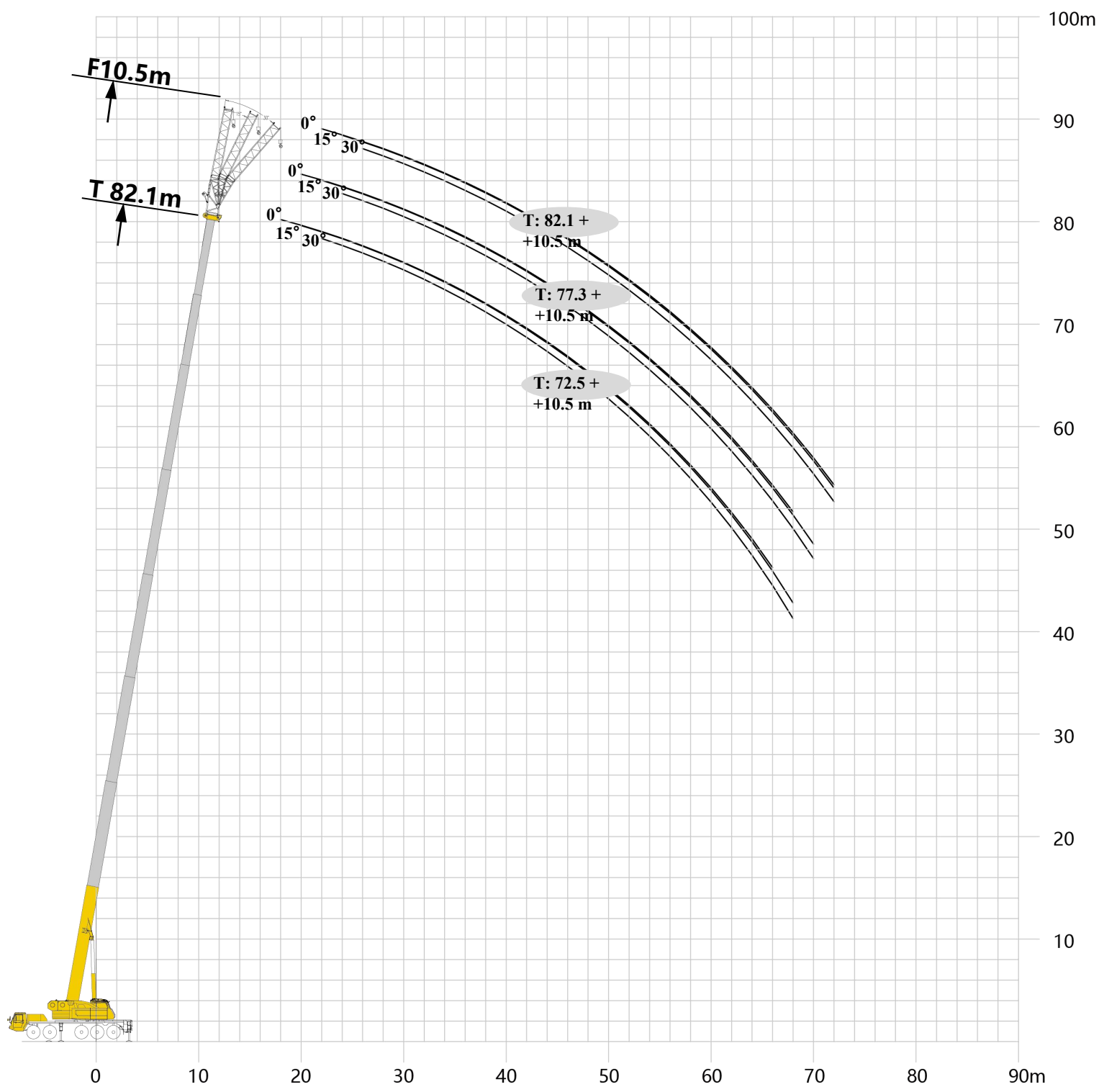
											
	45.2	46.1	48.4	53.2	55.7	56.5	58	62.8	66.2	67	
9	16.2	15.8									9
10	14.9	14.7	45.4								10
12	13.5	13.3	40.3	34.7	12.6	12.6	27.4				12
14	12.1	11.9	35.7	31.3	11.8	11.6	27.2	22.0	9.4	9.2	14
16	10.9	10.7	32.0	27.8	10.6	10.7	25.4	21.4	9.5	9.3	16
18	9.9	9.7	28.5	24.9	9.5	9.8	23.6	20.0	9.1	9.0	18
20	9.0	8.8	24.8	22.5	9.0	8.9	21.4	18.7	8.7	8.6	20
22	8.2	8.0	21.7	20.4	8.4	8.3	19.8	17.3	8.4	8.3	22
24	7.5	7.3	19.3	18.6	7.7	7.6	18.0	15.8	7.7	7.7	24
26	6.8	6.7	17.1	16.5	7.1	7.0	16.2	14.6	7.1	7.2	26
28	6.3	6.2	15.6	14.9	6.6	6.5	14.4	13.5	6.5	6.6	28
30	5.9	5.7	13.9	13.7	6.1	6.1	12.6	12.5	6.1	6.2	30
32	5.5	5.4	12.4	12.7	5.8	5.7	11.1	11.2	5.8	5.8	32
34	5.1	5.0	11.7	11.4	5.4	5.3	10.1	9.9	5.5	5.4	34
36	4.8	4.6	10.9	10.2	5.1	4.9	9.2	8.7	5.1	5.0	36
38	4.4	4.3	10.0	9.2	4.7	4.6	8.3	8.0	4.8	4.7	38
40	4.1	4.0	9.1	8.3	4.5	4.4	7.9	7.5	4.6	4.5	40
42	3.9	3.8	8.3	7.5	4.2	4.1	7.5	6.5	4.3	4.3	42
44			7.6	6.8	4.0	3.9	7.2	6.0	4.1	4.0	44
46				6.5	3.7	3.7	6.5	5.6	3.9	3.8	46
48				6.2	3.6	3.5	5.9	5.3	3.6	3.5	48
50					3.3	3.2	5.4	5.1	3.3	3.1	50
52					3.1	3.0	4.9	4.9	3.2	2.9	52
54							4.4	4.6	2.8	2.7	54
56								4.2	2.6	2.5	56
58								3.8	2.5	2.4	58
60									2.3	2.2	60
62									2.2	2.1	62

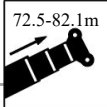
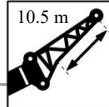
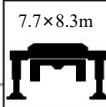
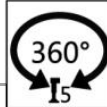
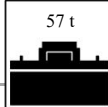
											
	67.7	72.5	76.7	77.3	77.5	78.1	82.1	83	87.2	88	
14	17.0										14
16	17.2	13.5									16
18	16.6	13.7	8.4	10.0	8.3						18
20	15.9	13.6	8.3	10.3	8.2	9.6	8.5	8.2			20
22	15.0	12.9	8.2	10.4	8.1	9.6	8.5	8.2	6.7	6.6	22
24	14.0	12.0	7.8	10.1	7.7	9.6	8.4	8.2	6.7	6.6	24
26	13.1	11.1	7.6	9.6	7.5	9.4	8.1	8.0	6.7	6.6	26
28	12.0	10.4	7.2	9.2	7.1	8.9	7.8	7.8	6.7	6.5	28
30	10.9	9.7	6.7	8.7	6.6	8.2	7.6	7.5	6.3	6.4	30
32	10.2	9.0	6.3	8.1	6.2	7.6	7.3	7.1	6.3	6.3	32
34	9.4	8.3	5.9	7.5	5.9	7.2	7.0	6.7	6.2	6.1	34
36	8.8	7.8	5.5	7.1	5.6	7.0	6.5	6.4	5.7	5.8	36
38	7.9	7.3	5.1	6.6	5.3	6.5	6.1	6.2	5.3	5.4	38
40	7.2	6.9	5.0	6.2	5.0	6.1	5.7	5.8	4.9	5.1	40
42	6.6	6.4	4.7	5.9	4.7	5.7	5.3	5.4	4.7	4.8	42
44	6.2	5.9	4.4	5.5	4.4	5.3	5.0	5.0	4.4	4.5	44
46	5.5	5.6	4.2	5.1	4.2	5.0	4.8	4.8	4.1	4.2	46
48	5.1	5.2	3.9	4.7	3.9	4.6	4.5	4.4	3.8	4.0	48
50	5.0	4.5	3.7	4.5	3.7	4.2	4.4	4.3	3.6	3.8	50
52	4.7	4.3	3.6	4.4	3.6	3.8	4.1	4.0	3.4	3.5	52
54	4.5	4.0	3.1	4.1	3.1	3.4	3.5	3.4	3.3	3.4	54
56	4.3	3.8	3.0	3.4	3.0	2.9	3.3	3.3	3.0	3.2	56
58	4.0	3.6	2.8	3.3	2.7	2.5	3.1	2.9	2.9	2.8	58
60	3.7	3.4	2.7	3.2	2.6	2.2	2.7	2.6	2.7	2.6	60
62	3.3	3.2	2.5	2.8	2.4	1.8	2.4	2.2	2.4	2.4	62
64		2.8	2.4	2.5	2.3	1.5	2.1	1.9	2.1	2.1	64
66		2.5	2.2	2.2	2.1	1.2	1.8	1.6	1.8	1.8	66
68		2.2	2.1	1.9	2.0	0.9	1.5	1.3	1.5	1.5	68
70			1.9	1.7	1.9		1.2	1.1	1.2	1.3	70
72			1.8	1.4	1.8		0.9	0.8	1.0	1.0	72

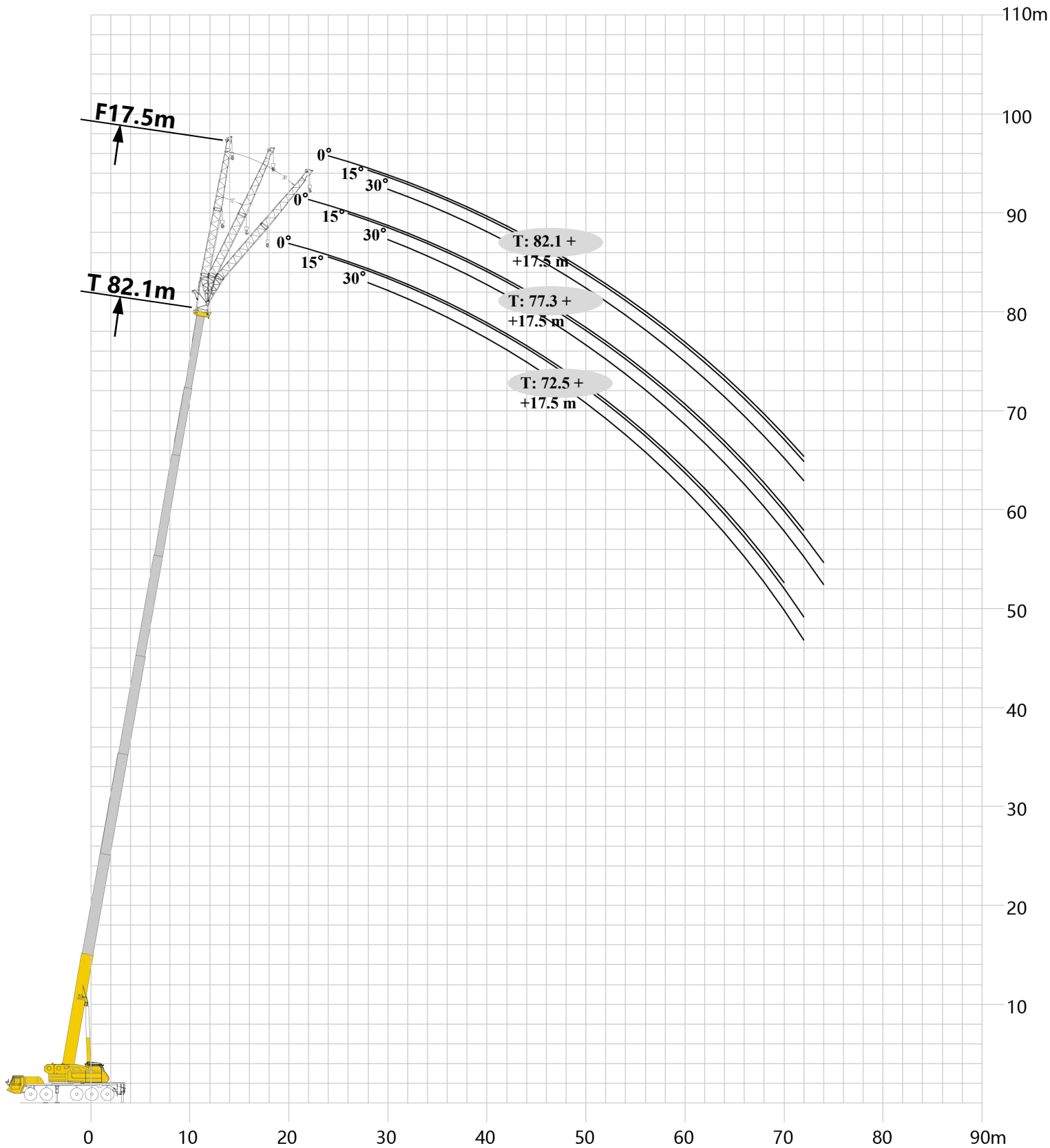
T 14.6-43.5m											
											
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3	140	117									3
3.5	124.3	117	103	35.1							3.5
4	109.2	110.3	99.2	33.2							4
4.5	97	98.2	97.8	31.5	92.8						4.5
5	87.2	88.4	88	29.7	88.8						5
6	71.6	72.8	73.4	27.1	73.3	72.8	23.5	22.8			6
7	60.2	61.4	61.8	24.5	62.8	62.6	21.6	21.3	62.2		7
8	51.7	53.2	53.9	22.6	54.2	54	19.9	19.3	53.6	52.8	8
9	44.9	46.4	47.3	20.8	47.4	47.3	18.4	17.6	46.8	47.3	9
10	39.6	41.1	41.9	19.4	42	41.9	17	16.2	41.4	42.1	10
12	31.5	33	33.8	16.9	33.9	33.8	14.7	14	34.6	34	12
14		27.3	28.5	14.9	29	29	12.8	12.3	28.7	28.3	14
16		23	24.2	13.3	24.7	24.7	11.5	11	24.4	23.9	16
18			20.7	12.2	21.2	21.2	10.4	9.8	20.9	20.3	18
20			17.4	11	17.8	17.9	9.4	8.8	17.5	16.9	20
22				10.3	15.2	15.2	8.5	8	14.9	15.5	22
24					13.1	13.2	7.7	7.3	12.8	13.5	24
26					11.4	11.4	7	6.6	11.8	11.8	26
28						10	6.5	6.1	10.7	10.3	28
30						9.2	6	5.6	9.5	9.1	30
32							5.4	5.2	8.4	8	32
34									7.5	7.1	34
36									6.7	6.3	36
38										5.6	38
40										5.3	40

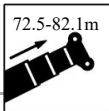
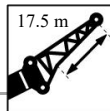
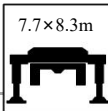
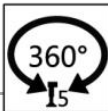
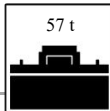
												
		45.2	46.1	48.4	53.2	55.7	56.5	58	62.8	66.2	67	
9		16.2	15.8									9
10		14.9	14.7	41.5								10
12		13.5	13.3	33.7	33.1	12.6	12.6	27.4				12
14		12.1	11.9	27.9	27.3	11.8	11.6	26.8	22	9.4	9.2	14
16		10.9	10.7	23.5	23	10.6	10.7	22.5	21.4	9.5	9.3	16
18		9.9	9.7	19.8	19.7	9.5	9.8	19	18.4	9.1	9	18
20		9	8.8	17.6	16.8	9	8.9	15.7	15.8	8.7	8.6	20
22		8.2	8	15	14.3	8.4	8.3	13.9	13.3	8.4	8.3	22
24		7.5	7.3	12.9	12.2	7.7	7.6	12.4	11.3	7.7	7.7	24
26		6.8	6.7	11.2	11	7.1	7	10.9	10.1	7.1	7.2	26
28		6.3	6.2	9.8	10.2	6.6	6.5	9.4	9	6.5	6.6	28
30		5.9	5.7	8.9	8.9	6.1	6.1	8.2	8.4	6.1	6.2	30
32		5.5	5.4	8.3	7.9	5.8	5.7	7.6	7.4	5.8	5.8	32
34		5.1	5	7.5	6.9	5.4	5.3	7.1	6.8	5.5	5.4	34
36		4.8	4.6	6.7	6.1	5.1	4.9	6.3	6.3	5.1	5	36
38		4.4	4.3	6	5.6	4.7	4.6	5.6	5.6	4.8	4.7	38
40		4.1	4	5.3	5.3	4.5	4.4	5	4.9	4.6	4.5	40
42		3.9	3.8	4.8	4.9	4.2	4.1	4.4	4.4	4.3	4.3	42
44				4.3	4.4	4	3.9	4.1	4	4.1	4	44
46					3.9	3.7	3.7	3.8	3.6	3.7	3.7	46
48					3.5	3.6	3.5	3.4	3.2	3.3	3.3	48
50						3.3	3.2	3	2.8	2.9	2.9	50
52						3.1	3	2.7	2.4	2.6	2.5	52
54								2.4	2.1	2.2	2.2	54
56									1.8	1.9	1.9	56
58									1.5	1.7	1.6	58
60										1.4	1.3	60
62										1.2	1.1	62

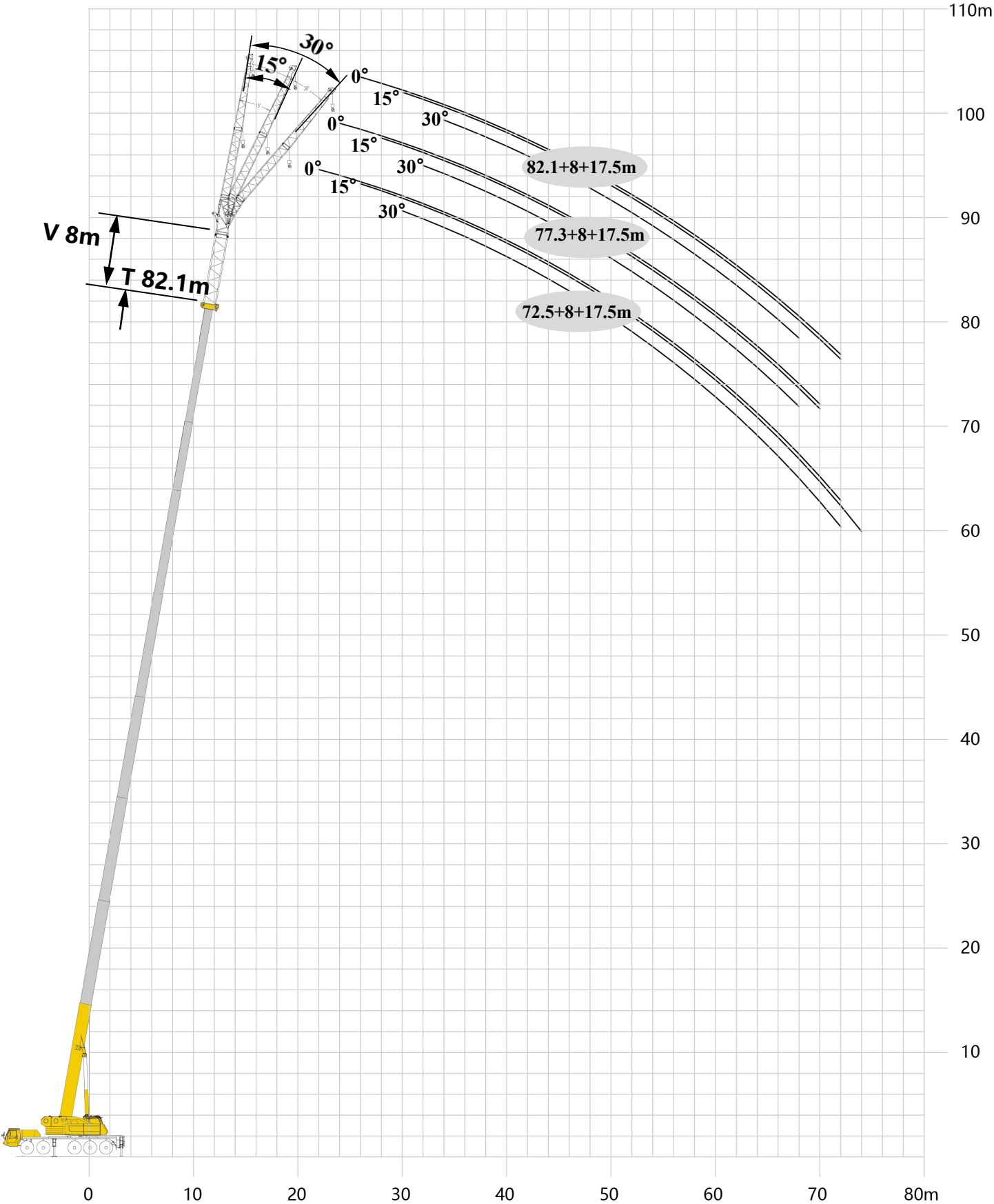
											
	67.7	72.5	76.7	77.3	77.5	78.1	82.1	83	87.2	88	
14	17										14
16	17.2	13.5									16
18	16.6	13.7	8.4	10	8.3						18
20	15.4	13.6	8.3	10.3	8.2	9.6	8.5	8.2			20
22	13.2	12.9	8.2	10.4	8.1	9.6	8.5	8.2	6.7	6.6	22
24	11.6	11.1	7.8	10.1	7.7	9.6	8.4	8.2	6.7	6.6	24
26	9.9	9.7	7.6	9.6	7.5	9.4	8.1	8	6.7	6.6	26
28	8.7	8.8	7.2	8.3	7.1	8.3	7.8	7.8	6.7	6.5	28
30	8.3	8.1	6.7	7.7	6.6	7	7.5	7.5	6.3	6.4	30
32	7.4	7.5	6.3	7	6.2	6	6.5	6.4	6.3	6.3	32
34	6.5	6.6	5.9	6	5.9	5.1	5.6	5.5	5.7	5.6	34
36	5.8	5.8	5.5	5.2	5.6	4.3	4.8	4.7	4.9	4.8	36
38	5.4	5	5.1	4.5	5.1	3.6	4.1	4	4.2	4.1	38
40	4.8	4.4	4.5	3.9	4.5	3	3.5	3.4	3.6	3.5	40
42	4.2	3.8	4	3.3	3.9	2.4	2.9	2.8	3	2.9	42
44	3.7	3.3	3.4	2.8	3.4	1.9	2.4	2.3	2.5	2.4	44
46	3.2	2.9	3	2.4	2.9	1.5	1.9	1.9	2.1	2	46
48	2.8	2.5	2.6	2	2.5	1	1.5	1.5	1.6	1.6	48
50	2.4	2.1	2.2	1.6	2.1		1.1	1.1	1.2	1.2	50
52	2.1	1.7	1.8	1.2	1.8				0.9	0.8	52
54	1.7	1.4	1.5	0.9	1.4						54
56	1.4	1.1	1.2		1.1						56
58	1.1	0.8	0.9		0.9						58
60	0.9										60

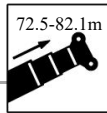
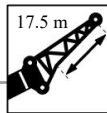
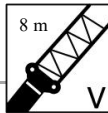
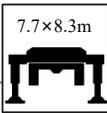
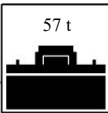


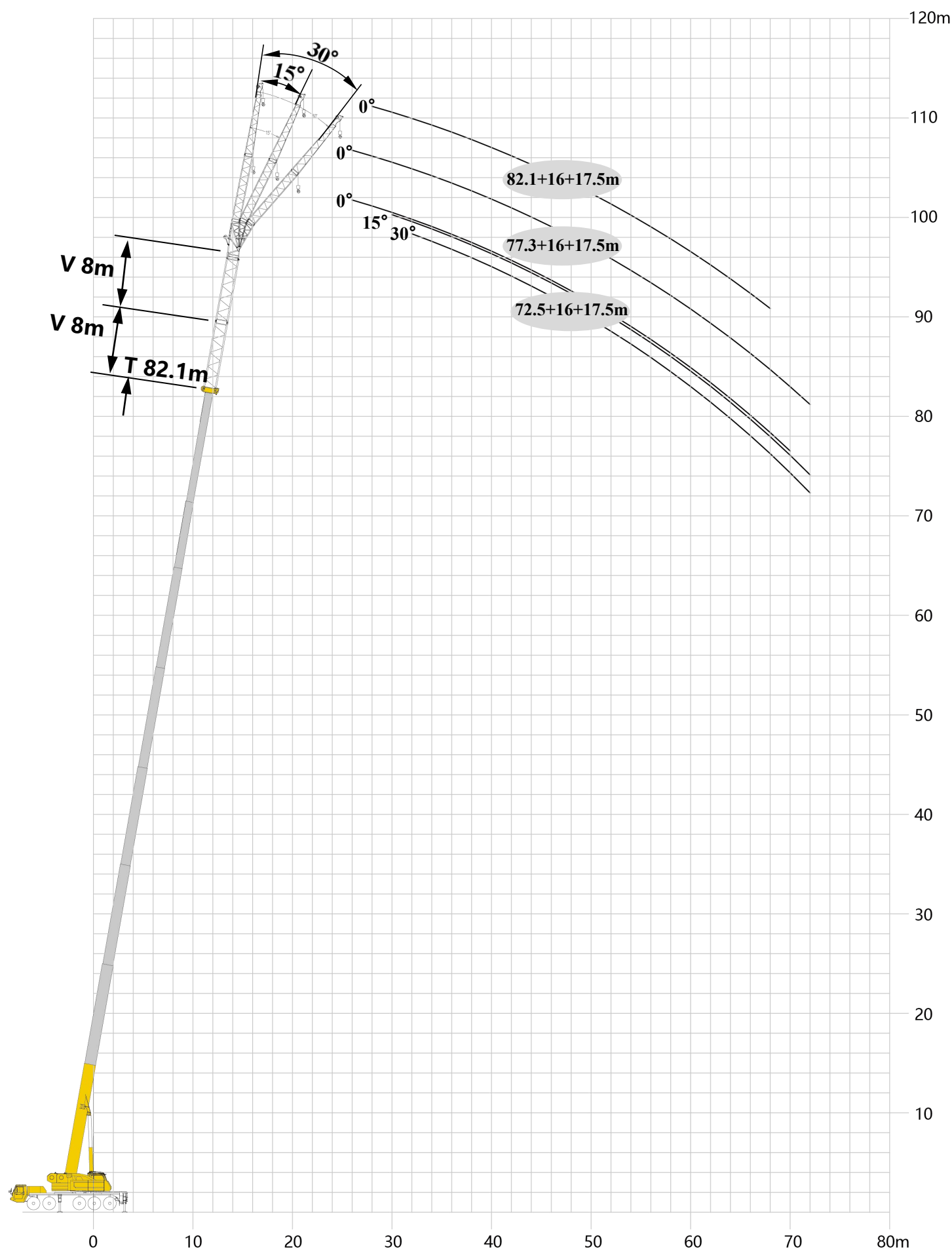
T 72.5-82.1m										
										
	72.5			77.3			82.1			
	10.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	7.0									18
20	7.0	5.9		5.8						20
22	7.0	5.8	3.3	5.9	5.4		4.5			22
24	7.0	5.5	3.3	5.9	5.2	3.3	4.5	4.5		24
26	7.0	5.4	3.1	5.9	5.0	3.2	4.5	4.6	3.2	26
28	7.0	5.2	3.0	5.9	4.9	3.1	4.5	4.7	3.1	28
30	7.0	5.0	3.0	6.1	4.8	3.0	4.7	4.6	3.1	30
32	7.0	4.9	2.9	6.1	4.7	3.0	4.7	4.5	3.0	32
34	6.7	4.7	2.8	6.0	4.5	2.8	4.7	4.5	3.0	34
36	6.3	4.6	2.8	5.7	4.5	2.8	4.7	4.4	2.8	36
38	5.6	4.4	2.7	5.1	4.4	2.7	4.7	4.2	2.8	38
40	5.2	4.3	2.7	4.6	4.3	2.7	4.3	4.2	2.7	40
42	4.7	4.2	2.6	4.2	4.2	2.7	4.1	4.1	2.7	42
44	4.4	4.0	2.5	4.0	4.1	2.6	3.7	3.7	2.7	44
46	4.2	4.0	2.5	3.6	3.6	2.5	3.3	3.4	2.6	46
48	3.7	3.9	2.5	3.4	3.4	2.5	3.1	3.2	2.5	48
50	3.4	3.4	2.4	3.0	3.0	2.5	2.9	2.8	2.5	50
52	3.1	3.1	2.5	2.8	2.8	2.4	2.6	2.7	2.5	52
54	2.7	2.9	2.4	2.5	2.6	2.5	2.4	2.5	2.4	54
56	2.3	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	56
58	2.0	2.2	2.3	2.1	2.2	2.2	2.0	2.1	2.1	58
60	1.7	1.9	2.0	1.9	1.9	2.0	1.8	1.9	2.0	60
62	1.4	1.5	1.6	1.6	1.8	1.7	1.6	1.7	1.6	62
64	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.5	64
66	0.9	1.0	1.1	1.1	1.3	1.4	1.4	1.4	1.3	66
68		0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.2	68
70					0.7	0.8	0.9	1.0	1.0	70
72							0.7	0.8	0.8	72



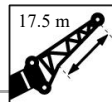
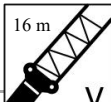
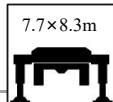
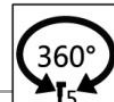
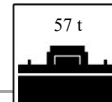
T 72.5-82.1m										
										
	72.5			77.3			82.1			
	17.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20	4.5									20
22	4.4			4.1						22
24	4.3	3.2		4.0			3.6			24
26	4.1	3.1		3.9	3.1		3.6			26
28	4.0	3.1	1.9	3.8	3.0		3.5	2.9		28
30	3.9	3.0	1.8	3.7	3.0	1.7	3.5	2.8	1.8	30
32	3.8	2.9	1.7	3.6	2.8	1.7	3.4	2.7	1.7	32
34	3.6	2.8	1.7	3.5	2.7	1.8	3.4	2.7	1.6	34
36	3.6	2.8	1.7	3.5	2.7	1.6	3.3	2.6	1.6	36
38	3.5	2.7	1.5	3.4	2.6	1.5	3.2	2.6	1.6	38
40	3.4	2.6	1.5	3.4	2.6	1.6	3.2	2.4	1.5	40
42	3.3	2.5	1.6	3.2	2.6	1.5	3.1	2.5	1.6	42
44	3.3	2.5	1.5	3.2	2.5	1.5	3.1	2.5	1.5	44
46	3.2	2.4	1.5	3.1	2.4	1.5	2.9	2.3	1.5	46
48	3.1	2.4	1.4	3.1	2.4	1.4	3.0	2.3	1.5	48
50	3.0	2.4	1.3	2.9	2.3	1.4	2.8	2.4	1.4	50
52	3.0	2.2	1.4	2.7	2.4	1.4	2.6	2.3	1.4	52
54	2.8	2.2	1.3	2.6	2.3	1.3	2.3	2.2	1.4	54
56	2.6	2.2	1.4	2.3	2.2	1.3	2.1	2.1	1.3	56
58	2.3	2.1	1.3	2.1	2.1	1.3	1.9	2.0	1.3	58
60	2.1	2.2	1.3	1.9	2.0	1.3	1.8	1.9	1.3	60
62	1.8	2.0	1.3	1.7	1.8	1.3	1.6	1.7	1.3	62
64	1.5	1.8	1.3	1.5	1.7	1.2	1.4	1.4	1.2	64
66	1.3	1.5	1.2	1.3	1.5	1.3	1.2	1.2	1.0	66
68	1.0	1.3	1.3	1.1	1.1	1.2	1.0	1.0	0.8	68
70	0.8	1.0	1.2	0.9	0.9	0.9	0.9	0.9	0.7	70
72		0.8	0.9	0.7	0.8	0.8	0.7	0.7	0.7	72
74					0.7	0.7				74

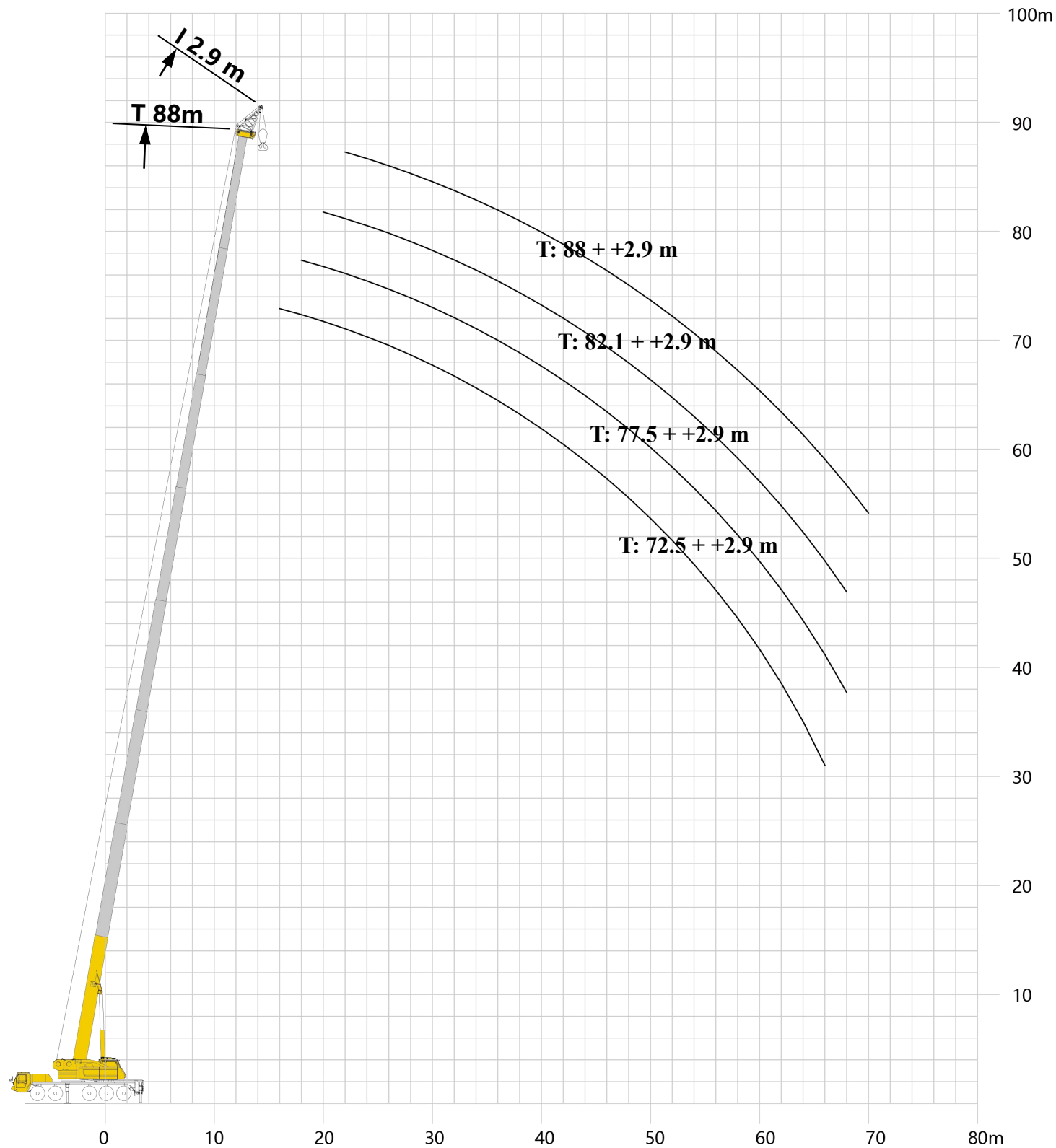


T 72.5-82.1m										
										
	72.5+8			77.3+8			82.1+8			
	17.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
22	4.0									22
24	3.9			3.3						24
26	3.7	3.1		3.3			2.4			26
28	3.7	3.0		3.3	2.9		2.4			28
30	3.7	3.0	1.6	3.3	2.8		2.4	2.4		30
32	3.6	2.9	1.6	3.3	2.7	1.6	2.4	2.4		32
34	3.6	2.9	1.6	3.3	2.7	1.6	2.4	2.4	1.5	34
36	3.4	2.8	1.5	3.2	2.6	1.5	2.4	2.4	1.6	36
38	3.3	2.7	1.6	3.2	2.6	1.6	2.5	2.4	1.6	38
40	3.3	2.7	1.5	3.1	2.6	1.5	2.6	2.4	1.5	40
42	3.2	2.6	1.5	3.1	2.5	1.5	2.6	2.4	1.5	42
44	3.1	2.5	1.4	3.1	2.4	1.3	2.6	2.3	1.4	44
46	3.1	2.4	1.4	3.0	2.4	1.4	2.6	2.3	1.5	46
48	3.1	2.4	1.4	2.9	2.4	1.4	2.5	2.3	1.4	48
50	3.0	2.4	1.3	2.7	2.3	1.4	2.4	2.2	1.4	50
52	2.7	2.3	1.3	2.4	2.3	1.4	2.2	2.2	1.4	52
54	2.5	2.3	1.3	2.3	2.3	1.3	2.0	2.1	1.3	54
56	2.3	2.3	1.3	2.0	2.1	1.3	1.9	1.9	1.3	56
58	2.2	2.3	1.2	1.8	1.9	1.2	1.7	1.7	1.3	58
60	2.0	2.1	1.3	1.6	1.8	1.3	1.5	1.5	1.2	60
62	1.7	1.8	1.2	1.4	1.4	1.2	1.3	1.3	1.0	62
64	1.6	1.6	1.3	1.2	1.2	1.0	1.1	1.1	0.8	64
66	1.2	1.2	1.2	1.0	1.0	0.8	0.9	0.9	0.7	66
68	1.0	1.0	1.0	0.8	0.8	0.7	0.8	0.8	0.7	68
70	0.8	0.8	0.8	0.7	0.7		0.7	0.7		70
72	0.7	0.7	0.7				0.7	0.7		72
74		0.7								74

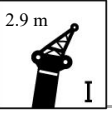
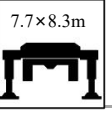
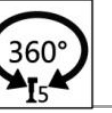
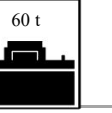


T 72.5-82.1m

T 72.5-82.1						
						
	72.5+16			77.3+16		82.1+16
	17.5					
	0°	15°	30°	0°	0°	
26	3.1			2.2		26
28	3.1			2.2	1.4	28
30	3.0	2.9		2.2	1.4	30
32	3.0	2.8	1.6	2.2	1.4	32
34	3.0	2.8	1.6	2.2	1.4	34
36	2.9	2.7	1.6	2.2	1.4	36
38	2.9	2.6	1.5	2.2	1.4	38
40	2.8	2.6	1.5	2.2	1.4	40
42	2.7	2.5	1.5	2.2	1.4	42
44	2.7	2.5	1.5	2.2	1.4	44
46	2.6	2.5	1.4	2.2	1.4	46
48	2.6	2.4	1.4	2.2	1.4	48
50	2.6	2.3	1.4	2.2	1.2	50
52	2.4	2.3	1.3	2.2	1.1	52
54	2.4	2.3	1.3	1.9	1.0	54
56	2.2	2.2	1.3	1.7	1.0	56
58	1.8	2.0	1.3	1.6	0.8	58
60	1.6	1.8	1.2	1.5	0.8	60
62	1.4	1.6	1.2	1.3	0.8	62
64	1.2	1.4	1.1	1.1	0.7	64
66	1.0	1.2	1.0	0.9	0.7	66
68	0.8	1.0	0.9	0.9	0.7	68
70	0.7	0.8	0.8	0.7		70
72		0.7	0.7	0.7		72



T 72.5-88m

	 72.5-88m	 2.9 m	 7.7×8.3m	 360° I5	 60 t	
	72.5		77.3		82.1	88
16	9.4					16
18	9.4		7.3			18
20	9.4		7.3		5.3	20
22	9.4		7.3		5.3	22
24	9.4		7.3		5.3	24
26	9.4		7.3		5.3	26
28	9.3		7.3		5.3	28
30	8.7		7.3		5.3	30
32	8.0		7.2		5.3	32
34	7.3		6.5		5.3	34
36	6.6		5.8		5.3	36
38	5.9		5.4		5.1	38
40	5.5		5.0		4.6	40
42	5.0		4.6		4.2	42
44	4.6		4.1		4.0	44
46	4.2		3.9		3.6	46
48	3.9		3.5		3.4	48
50	3.4		3.3		3.1	50
52	3.0		2.9		2.9	52
54	2.6		2.7		2.6	54
56	2.3		2.5		2.4	56
58	1.9		2.1		2.1	58
60	1.5		1.8		2.0	60
62	1.3		1.5		1.8	62
64	1.0		1.3		1.5	64
66	0.7		1.0		1.3	66
68			0.7		1.1	68
70						70

Main technical parameters

Category	Item		Unit	Parameter (54t)	
Dimensions	Dimensions (L×W×H)		mm	16260×3000×4000	
	Axle spacing		mm	1650+3900+1650+1650	
	Track (front/rear)		mm	2562/2562	
	Front/rear overhang		mm	2501/2604	
	Front/rear extension		mm	1914/391	
Weights	Maximum permissible total weight		kg	54000	
	Axle load	Axle 1	kg	9000	
		Axle 2	kg	9000	
		Axle 3	kg	12000	
		Axle 4	kg	12000	
		Axle 5	kg	12000	
Power	Engine model		——	(Chassis) WP10.5H460E62	(Superstructure) WP7G300E473
	Rated power/rpm		kW/(r/min)	338/1900	221/2200
	Maximum net power/rpm		kW/(r/min)	333/1900	221/2200
	Maximum output torque/rpm		N.m/(r/min)	2100/1000-1400	1200/1400-1600
Travel	Maximum travel speed		km/h	≥80	
	Minimum stable travel speed		km/h	1.7~3	
	Minimum turning diameter		m	23	
	Min. turning diameter at boom tip		m	≤27.2	
	Minimum ground clearance		mm	370	
	Approach angle		°	21	
	Departure angle		°	13	
	Braking distance (initial speed at 30 km/h)		m	≤10	
	Maximum grade ability		%	≥45	
	Fuel consumption per 100 km		L	65	
Noise	Exterior noise level when accelerating		dB(A)	≤84	
	Noise level at seated position		dB(A)	≤90	

Main technical parameters

Category	Item		Unit	Parameter (60t)	
Dimensions	Dimensions (L×W×H)		mm	16480×3000×4000	
	Axle spacing		mm	1650+3900+1650+1650	
	Track (front/rear)		mm	2562/2562	
	Front/rear overhang		mm	2501/2604	
	Front/rear extension		mm	2134/391	
Weights	Maximum permissible total weight		kg	60000	
	Axle load	Axle 1	kg	12000	
		Axle 2	kg	12000	
		Axle 3	kg	12000	
		Axle 4	kg	12000	
		Axle 5	kg	12000	
Power	Engine model		——	(Chassis) WP10.5H460E62	(Superstructure) WP7G300E473
	Rated power/rpm		kW/(r/min)	338/1900	221/2200
	Maximum net power/rpm		kW/(r/min)	333/1900	221/2200
	Maximum output torque/rpm		N.m/(r/min)	2100/1000-1400	1200/1400-1600
Travel	Maximum travel speed		km/h	≥80	
	Minimum stable travel speed		km/h	1.7~3	
	Minimum turning diameter		m	23	
	Minimum turning diameter at boom tip		m	≤27.4	
	Minimum ground clearance		mm	370	
	Approach angle		°	21	
	Departure angle		°	13	
	Braking distance (initial speed at 30 km/h)		m	≤10	
	Maximum grade ability		%	≥45	
	Fuel consumption per 100 km		L	65	
Noise	Exterior noise level when accelerating		dB(A)	≤84	
	Noise level at seated position		dB(A)	≤90	

Main technical parameters

Category	Item			Unit	Parameters
Main performance	Maximum rated total lifting capacity			t	200
	Minimum rated working radius			m	3
	Slewing radius at turntable tail	At counterweight		mm	5000 (Front position) 5500 (Rear position)
		At auxiliary winch			5390
	Maximum load moment	Base boom		kN.m	5880
		Fully-extended boom		kN.m	2039
		Fully-extended boom + jib		kN.m	1703
	Outrigger span	Longitudinal		m	7.7
		Lateral		m	8.3/6.9/5.49
	Lifting height	Base boom		m	15.6
		Fully-extended boom		m	86
		Fully-extended boom + jib		m	115
	Boom length	Base boom		m	14.6
		Fully-extended boom		m	88
		Fully-extended boom + jib		m	115.6
	Jib offset angle			°	0, 15, 30
Parameters of working speeds	Time for raising boom			s	≤65
	Time for fully extending the boom			s	≤1000
	Maximum slewing speed			r/min	≥1.5
	Time for extending/retracting outriggers	Outrigger beams	Retracting	s	≤45
			Extending	s	≤45
		Outrigger jacks	Retracting	s	≤65
			Extending	s	≤65
	Lifting speed (Single line, no load)	Main winch system		m/min	≥135
Auxiliary winch system		m/min	≥90		
Noise	Exterior noise level			dB(A)	≤107
	Noise level at seated position			dB(A)	≤85

Description of symbols

	Superstructure
	Rated lifting load
	Counterweight
	Slewing radius of variable-position counterweight
	Hook block
	Parts of line
	Boom length combination
	Wind speed
	Configuration
	Optional equipment
	Wire rope length
	Wire rope diameter
	Maximum single line pull
	Maximum working speed
	Main winch
	Auxiliary winch

	Boom
	Boom length
	Working radius
	Lifting height with boom
	Boom angle
	Extension
	Independent jib head
	Simple jib head
	Fixed jib
	Fixed jib length
	Fixed jib offset angle
	Luffing jib
	Maximum lifting height
	Maximum working radius
	Super lift
	Wind power jib

Description of symbols

	Chassis
	Outrigger span
	Tires
	Axle load
	Grade ability
	Travel speed
	EN 13000 standard

	Luffing
	Telescoping
	Slewing
	360° slewing
	360° slewing with the fifth jack down
	Side and rear operation
	Operation over front
	Operation over rear