

XCA60G6-1E All Terrain Crane

Technical specifications



60 t



50 m



42 m



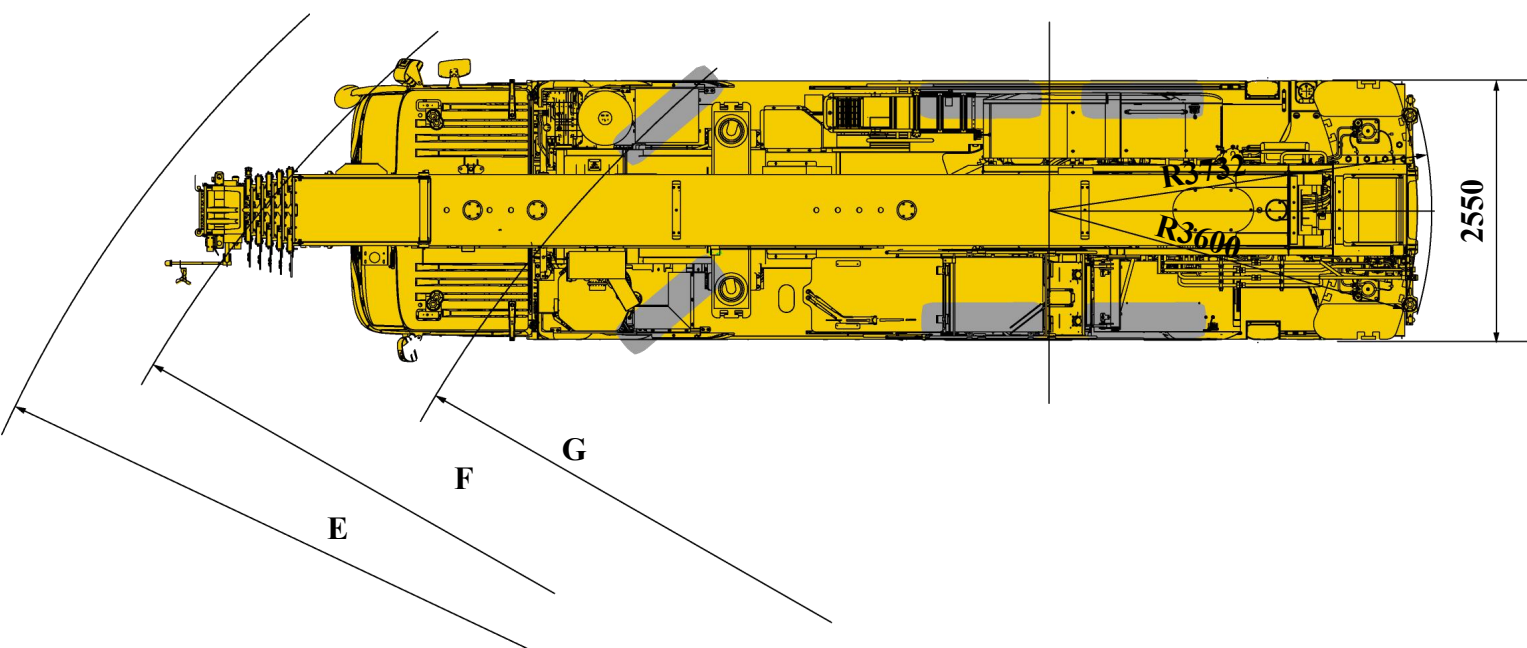
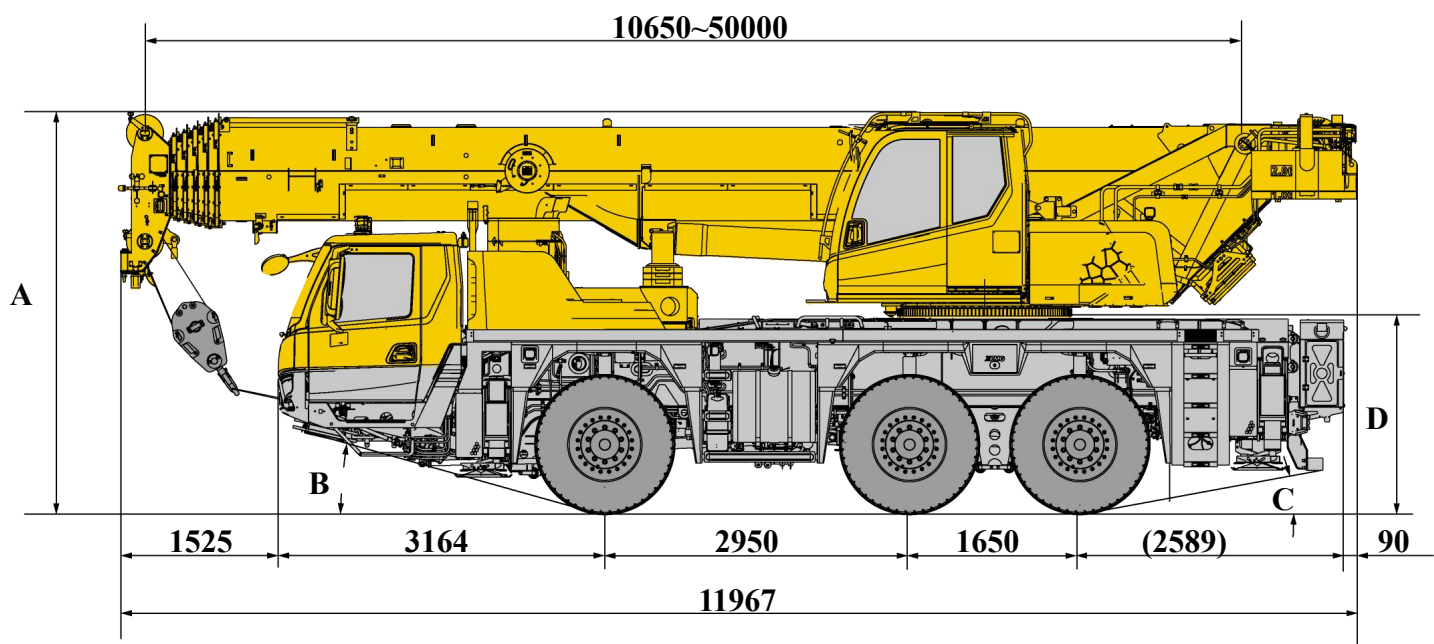
63.7 m



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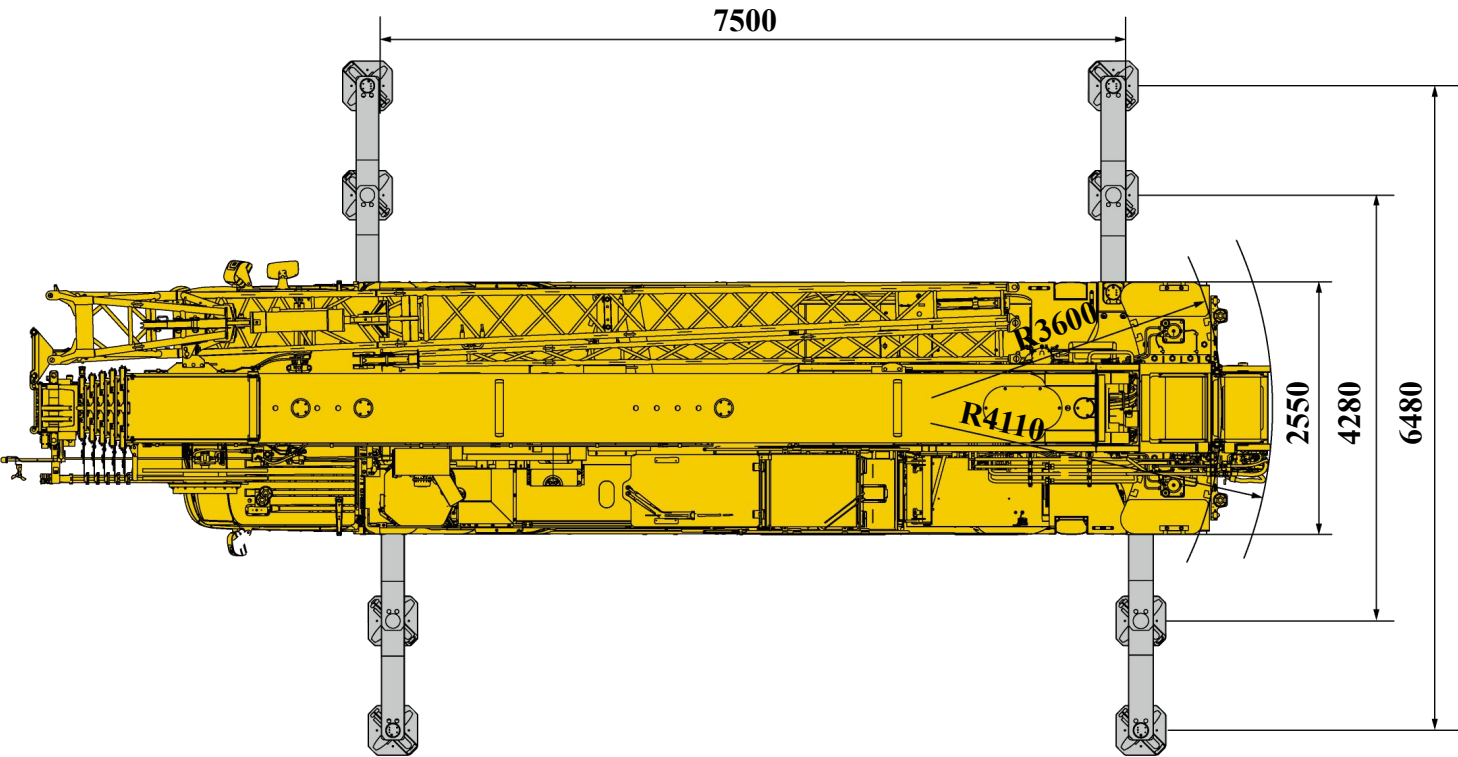
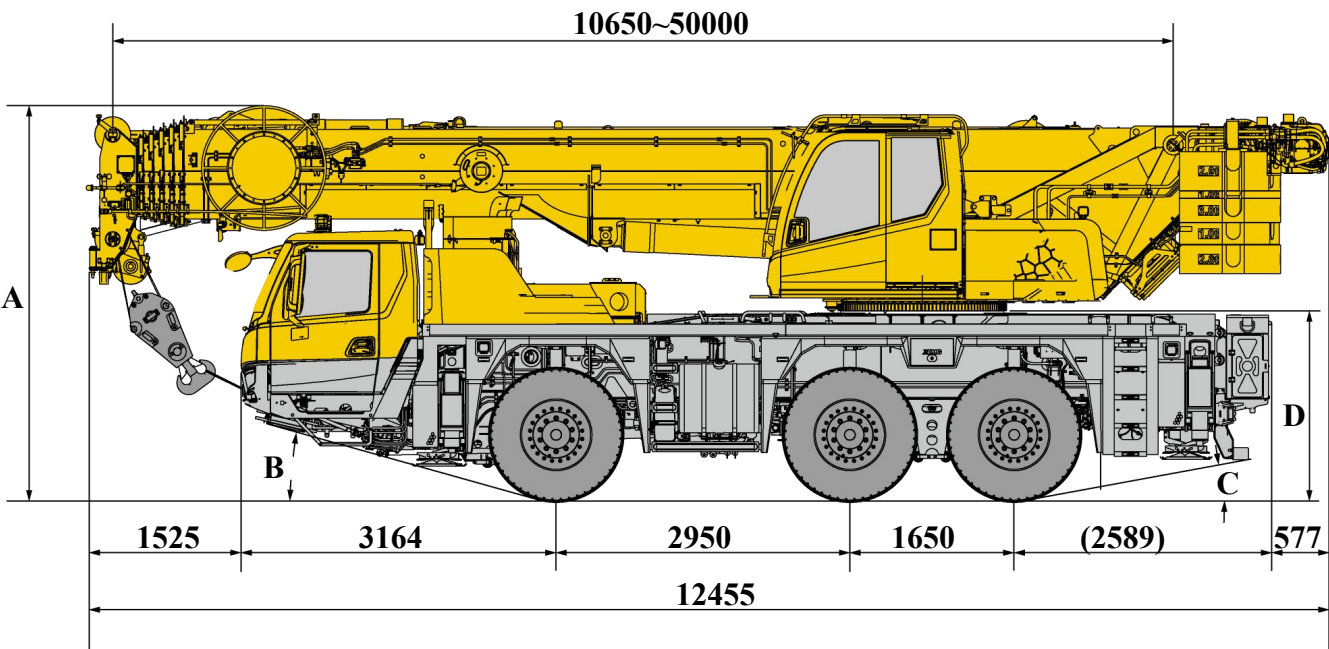
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Dimensions



	A(mm)	B (°)	C (°)	D (mm)	E (mm)	F (mm)	G (mm)
385/95R25	3850	15	10	1881	8000	9800	10600
445/95R25	3911	17.5	12	1942	8500	10300	11100

Dimensions



	A(mm)	B (°)	C (°)	D (mm)
385/95R25	3946	15	10	1881
445/95R25	4007	17.5	12	1942

Technical specifications



Chassis

Frame	Designed and manufactured by XCMG, made of high strength steel with rectangle cross-section with front opening.
Outriggers	4 outriggers arranged in H-shape, outrigger beam is one-stage telescoping with push-pull outrigger float and two telescoping working position (fully-extended and half-extended) to satisfy various operation mode requirements. Outrigger float dimension: 500 mm × 500 mm; Reaction force of outrigger at max. lifting load: front outrigger: 300 kN; rear outrigger: 430 kN.
Engine	Mercedes-Benz engine OM470LA.E5/-4, in-line, 6-cylinder, water cooled, electric control diesel engine, manufactured by Daimler. With maximum net power of 280 kw/1600 rpm and maximum torque of 1900 Nm/1300 rpm, compliant with EU Stage V emission standard. Fuel tank capacity: 300 L; AdBlue/DEF tank capacity: 40 L; engine displacement: 10.68 L.
Hydraulic system	Single-variable pump is connected to the engine through PTO for controlling the steering, outrigger and suspension hydraulic systems.
Transmission	Allison automatic transmission with torque converter, 6 forward gears and 1 reversing gear.
Safety devices	360° panoramic image, ABS, outrigger pressure detection and axle load detection.
Axles	High-strength axles with two reducers, equipped with pneumatic disc brake and disc brake for whole vehicle. Axles 2 and 3 for driving. Driving/steering type: 6×4×6.
Suspension	Hydro-pneumatic suspension system has good shock-absorbing effect. Various functions such as automatic leveling, moving up and down of suspension and switching between locked and unlocked suspension are available. The stroke of suspension cylinder: -100 mm ~ +150 mm.
Tires	6 tires and 1 spare tire, each axle is equipped with single tire, with large bearing capacity. Tire specifications: 385/95R25.
Braking system	Service brake: dual-circuit air pressure brake acting on all wheels. Parking brake: spring-loaded brake, acting on axles 1~3. Auxiliary brake: engine in-cylinder brake.
Steering	All-axle steering; axle 1 mechanically steering and axles 2 and 3 electric-hydraulic proportional steering.
Driver's cab	New full dimension steel structure cab is equipped with safety glass, electrically-operated door window lifter, electric heating rearview mirrors, multi-function steering wheel, multi-function air-suspension seats for the driver's seat and the co-driver's seat. There is a brand-new combined central control panel arranged with arc shape, 12-inch large screen color LCD display, 12-inch entertainment screen, 2*3 kg fire extinguisher and HVAC available.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.

Technical specifications



Superstructure

Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	The load-sensing piston pump and gear pump are used to control hoisting of main and auxiliary winches, luffing, telescoping, slewing and auxiliary system. Load-sensing proportional multi-way directional valve is equipped. Wind-cooled hydraulic radiator is also applied. Hydraulic oil tank capacity: 499 L.
Control system	The pilot electric-proportional control, stepless speed regulation, main movements of the crane are controlled by two levers at left and right sides and virtual switches on the display screen.
Main winch system	Driven by a hydraulic motor, with built-in planetary gear reducer and normally closed brake fitted. Also equipped with: anti-disorder rope winding drum; rotation-resistant wire rope.
Slewing system	A single-row, four-point contact-ball external toothed slewing bearing is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and can continuously slew 360°. Power control or free slewing function as well as stepless speed regulation are available.
Operator's cab	Steel enclosed 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. Sun screens for windshield, rear and side windows; double-layer sun screen for the roof window. Mechanical shock absorber and adjustable seat with leather + breathable mesh is adjustable. Dual LED interior lights and electric fan are available. HMI control panel, display, armrest, suspended electronic accelerator are available. HVAC is available.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic two-way lock, LMI, display, central controller, length/angle sensor, oil pressure sensor. Lowering limiter for preventing wire rope from over-releasing. Anti-two block at boom head for preventing wire rope from over-winding. Anemometer for measuring the speed of the wind.
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 t	13 t in total (including counterweight cylinders), 13 combinations.
Hook block	5 t hook block 13.5 t hook block; 30.5 t hook block.
Wireless remote control	Full-functional wireless remote control can be used to perform main operations (telescoping, luffing, winch, slewing), auxiliary operations (operator's cab, counterweight cylinder), chassis outrigger operation, engine operation and light control, improving the convenience and safety of crane operations.
Auxiliary sheave	Installed at the boom top, used for single line operation. Its lifting performance is the same as that for corresponding boom OM, but the max. lifting load could not exceed 4.5 t.
Boom	6-section boom with U-shaped cross-section, welded structure. Single-cylinder pinning telescoping system. 46%, 92% and 100% telescoping patterns are available. Boom length: 10.65 m ~ 50 m.
Luffing system	Single cylinder luffing, with counterbalance valve featuring the load compensation function.

Configuration and optional equipment

 Configuration	Function description
Standard	6-section boom of 50 m.

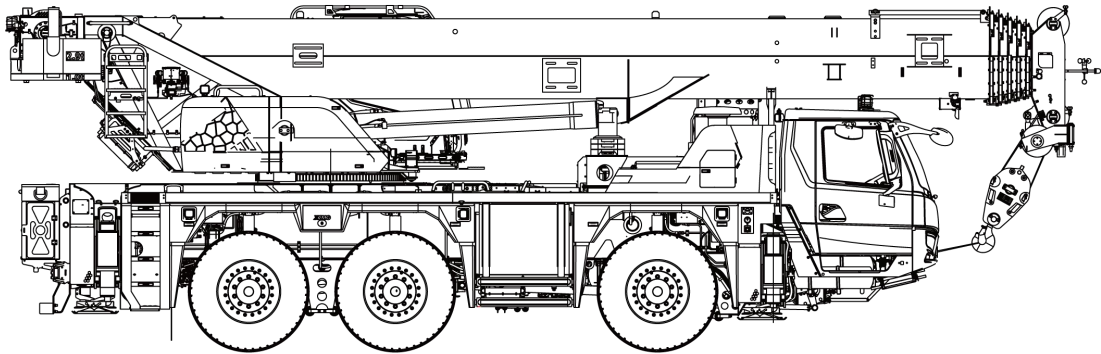
Note: only standard configuration is available for this model.

 Optional equipment	
Hook block	30.5 t hook block (single hook).
Auxiliary winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic variable motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped.
Fixed jib	Lattice jib, welded structure, three offset angles: 0°, 15°, 30°. Two options for the fixed jib: stepless luffing fixed jib and mechanical luffing fixed jib. Fixed jib length: 9.2 m/16 m.
Independent jib head	Lattice welding structure, attached to boom head. Length of independent jib head: 2.5 m.
Heating system	Raise the cab temperature by heating the air, with timing heating function.
Cold start heating device	Power: 15 KW.
Chassis centralized lubrication	
Inlet cut-off valve	
Tires	445/95R25
Slip-resistant wedge block assembly	
Spark arrestor	Installed at the muffler tailpipe to preclude the emission of sparks.
3.5 t Rear towing device	For towing the trailer at the rear of the vehicle.
18 t Rear towing device	For towing the trailer at the rear of the vehicle.
Electric eddy-current retarder brake	Help reduce friction during braking operation, increase braking efficiency and prolong the service life of braking system.
Gps	
Axles	High-strength axles with two reducers, equipped with pneumatic disc brake and disc brake for whole vehicle. Axle 1 for driving is optional, axles 1, 2 and 3 for driving. Driving/steering type: 6×6×6.

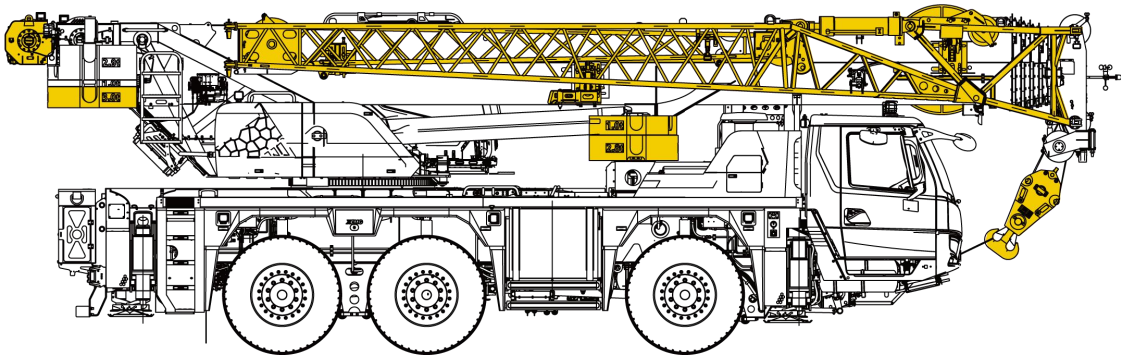
Weights

	1	2	3	Total weight
t	12	12	12	36 ¹⁾
t	15.5	15.5	15.5	46.5 ²⁾

(1) 36 t: road travel configuration
Superstructure: 5.1 t counterweight, timber box, 13.5 t hook (fixed in front of driver's cab), electric eddy-current are carried, and jib is not carried.
Chassis: full configuration included.
Maximum travel speed: 80 km/h.



(2) 46.5 t: Heavy load jobsite transfer configuration
Superstructure: Auxiliary sheave, jib, auxiliary winch, 6 t counterweight (fixed on the frame), 7 t fixed counterweight (including oil cylinders), 13.5 t hook block + 5 t hook block and timber box are carried.
Chassis: full configuration included.
Maximum travel speed: 30 km/h.



Weights

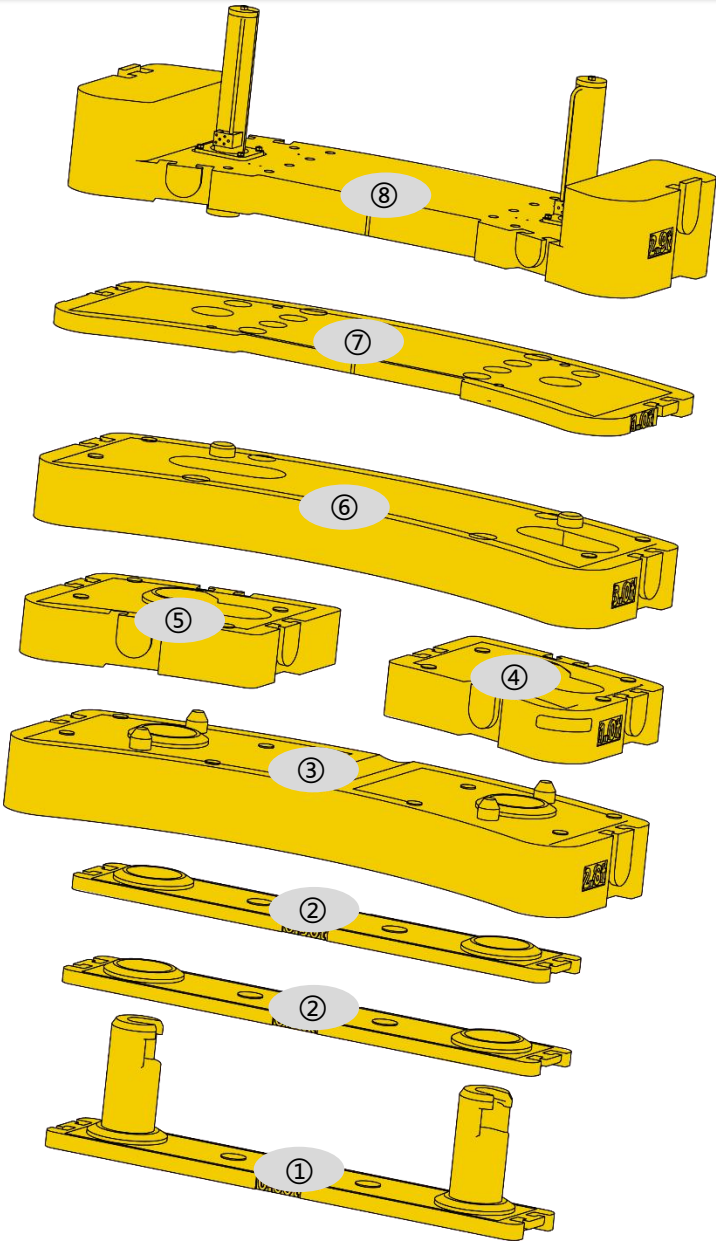
	Parts of line	Hook block weight (kg)	Dimensions (mm)	Notes
30.5 t	7	315	1196×470×324	Dual-hook
13.5 t	3	210	1044×470×234	Single-hook
5 t	1	100	647×350×350	Single-hook
30.5 t	7	336	1351×469×324	Single-hook

Working speeds

			
385/95R25 445/95R25 (optional)		80 km/h	60%

				
	0-135 m/min, single line, no load	44.1 kN	14 mm	220 m
	0-135 m/min, single line, no load	44.1 kN	14 mm	140 m
	0-1.5 r/min			
	Approx. 40 s for boom luffing from -1° to 82°			
	Approx. 350 s for boom extending from 10.7 m to 50 m			

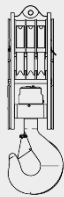
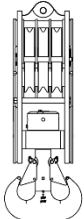
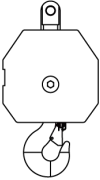
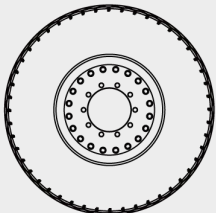
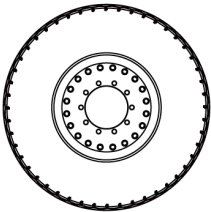
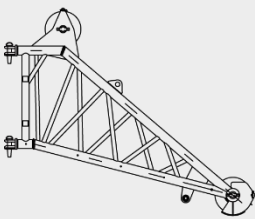
Counterweight



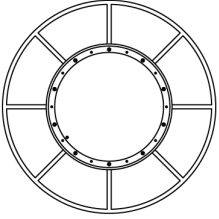
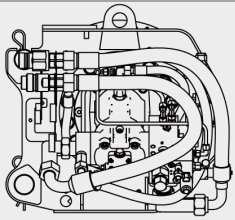
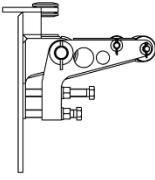
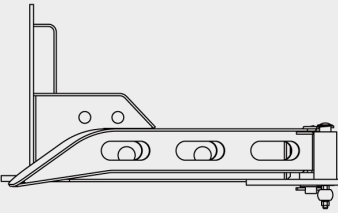
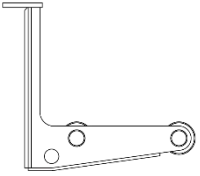
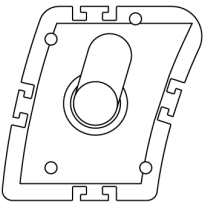
	①	②	③	④	⑤	⑥	⑦	⑧ (including oil cylinders installed on the counterweight)
Dimensions (L×W×H) (mm)	2110×380×537	2110×380×90	2530×1016×368	1000×980×252	1000×980×252	2530×1016×284	2530×1016×70	2530×1016×716
Weight (t)	0.6	0.3	2.8	1	1	3	1	3

Operation modes	13 t	11 t	10 t	8 t	7 t	5.2 t	4.9 t	4.6 t	4.2 t	4 t	3.9 t	3.6 t	3 t
Combinations	①+②*2+③+④+⑤+⑥+⑦+⑧	①+②*2+③+⑥+⑦+⑧	①+②*2+③+④+⑤+⑦+⑧	①+②*2+③+⑦+⑧	⑥+⑦+⑧	①+②*2+⑦+⑧	①+②+⑦+⑧	①+⑦+⑧	①+②*2+⑧	⑦+⑧	①+②+⑧	①+⑧	⑧

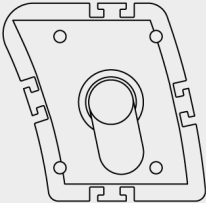
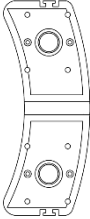
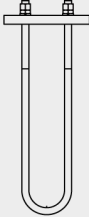
Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
30.5 t single hook		336	1	1351×469×324
30.5 t dual-hook		315	1	1196×470×324
13.5 t single hook		210	1	1044×470×324
5 t single hook		100	1	647×350×350
Tire (445/95R25)		277	1	φ1474:450
Tire (385/95R25)		209	1	φ1360×390
Independent jib head		420	1	2800×2330×760
Mechanical jib		1100	1	9780×1050×1330

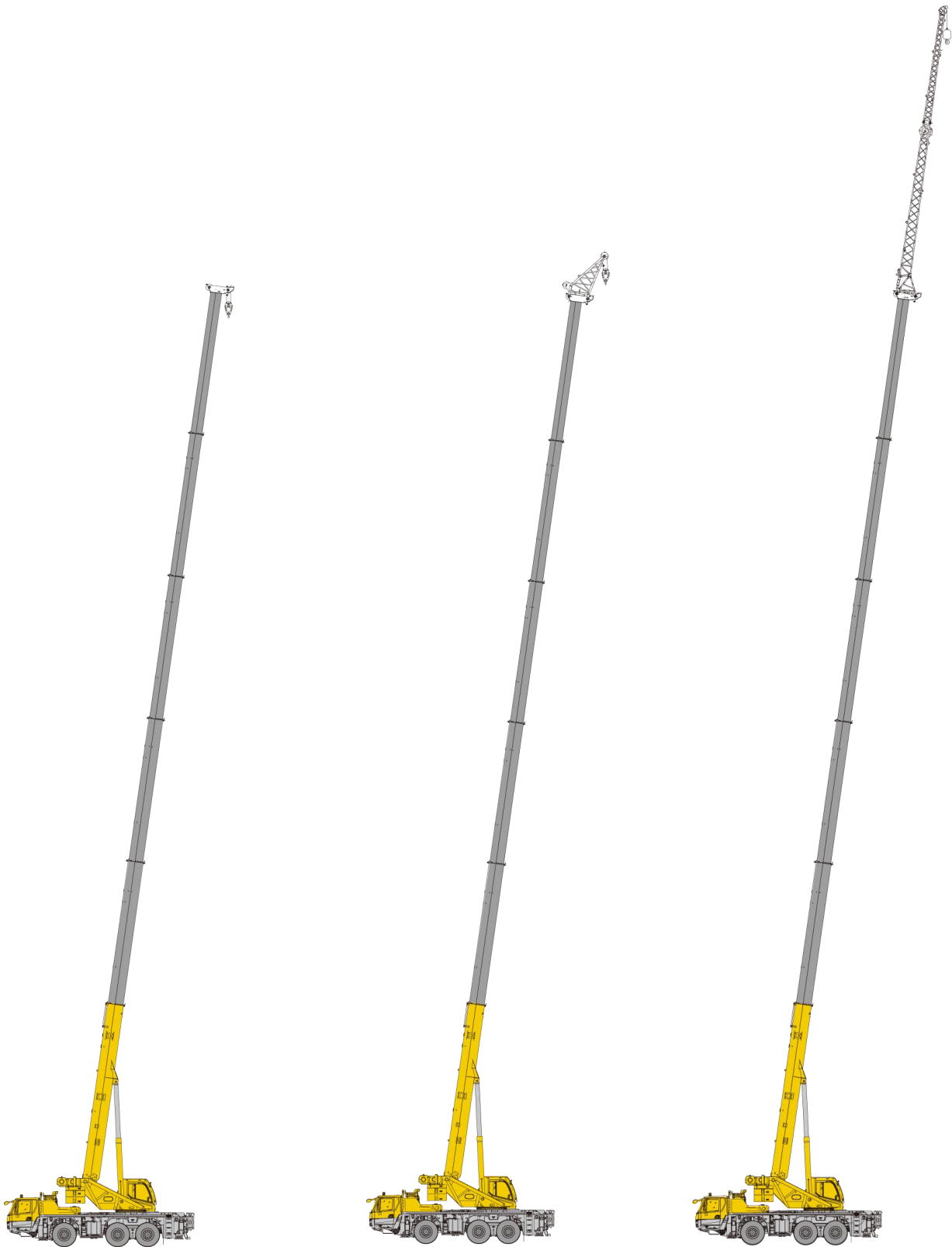
Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Jib stepless luffing		1000	1	9780×1050×1330
Hose reel		168	1	φ1254×453
Auxiliary winch system assembly		522	1	1220×620×570
Jib front bracket		35	1	480×220×529
Jib middle bracket		66	1	890×600×540
Jib rear bracket		12	1	415×200×361
Counterweight⑥		3000	1	2530×1016×284
Counterweight⑤		1000	1	980×1000×252

Dimensions of parts to be transported

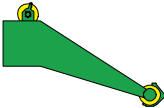
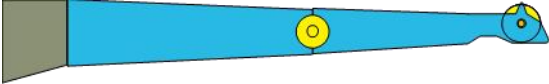
Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Counterweight slab ④		1000	1	980×1000×252
Counterweight slab ③		2800	1	2530×1016×368
Counterweight U-shaped bolt		9	2	492×240×426

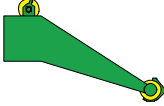
Boom/jib combinations

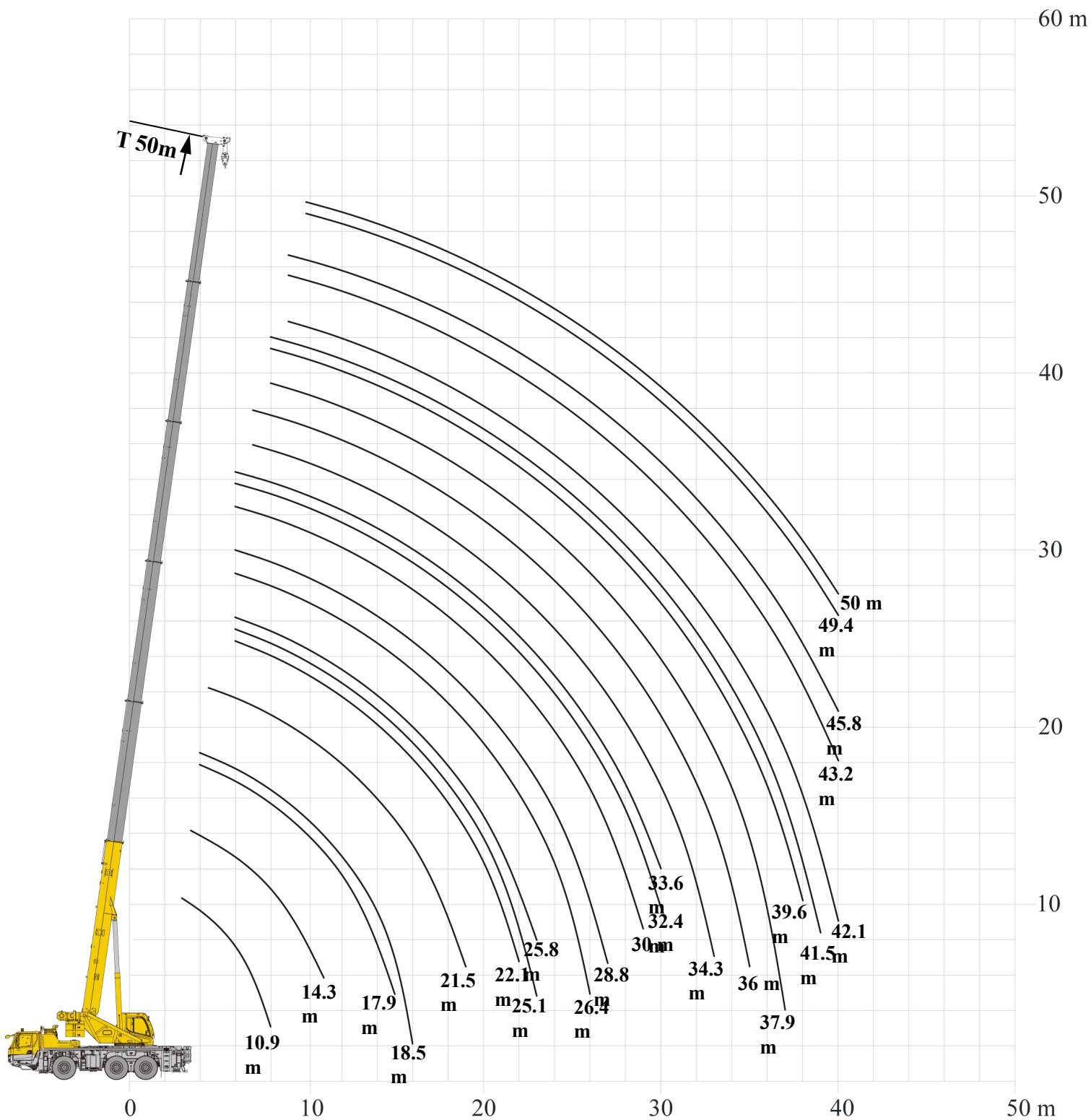


Boom	Independent jib head (optional)	Fixed jib
T:10.65-50 m	T:10.65-50 m I: 2.5m	T: 10.65~50m F: 9.2 m/16 m

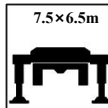
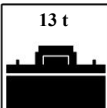
Boom/jib combinations

Independent jib head: 2.5 m	
Fixed jib – 9.2 m	
Fixed jib – 16 m	

Components	Structure	Length (m)
Connecting bracket		1.16
Independent jib head		2.5
1st jib section		8.24
2nd jib section		6.5

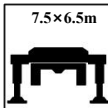
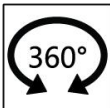
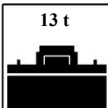


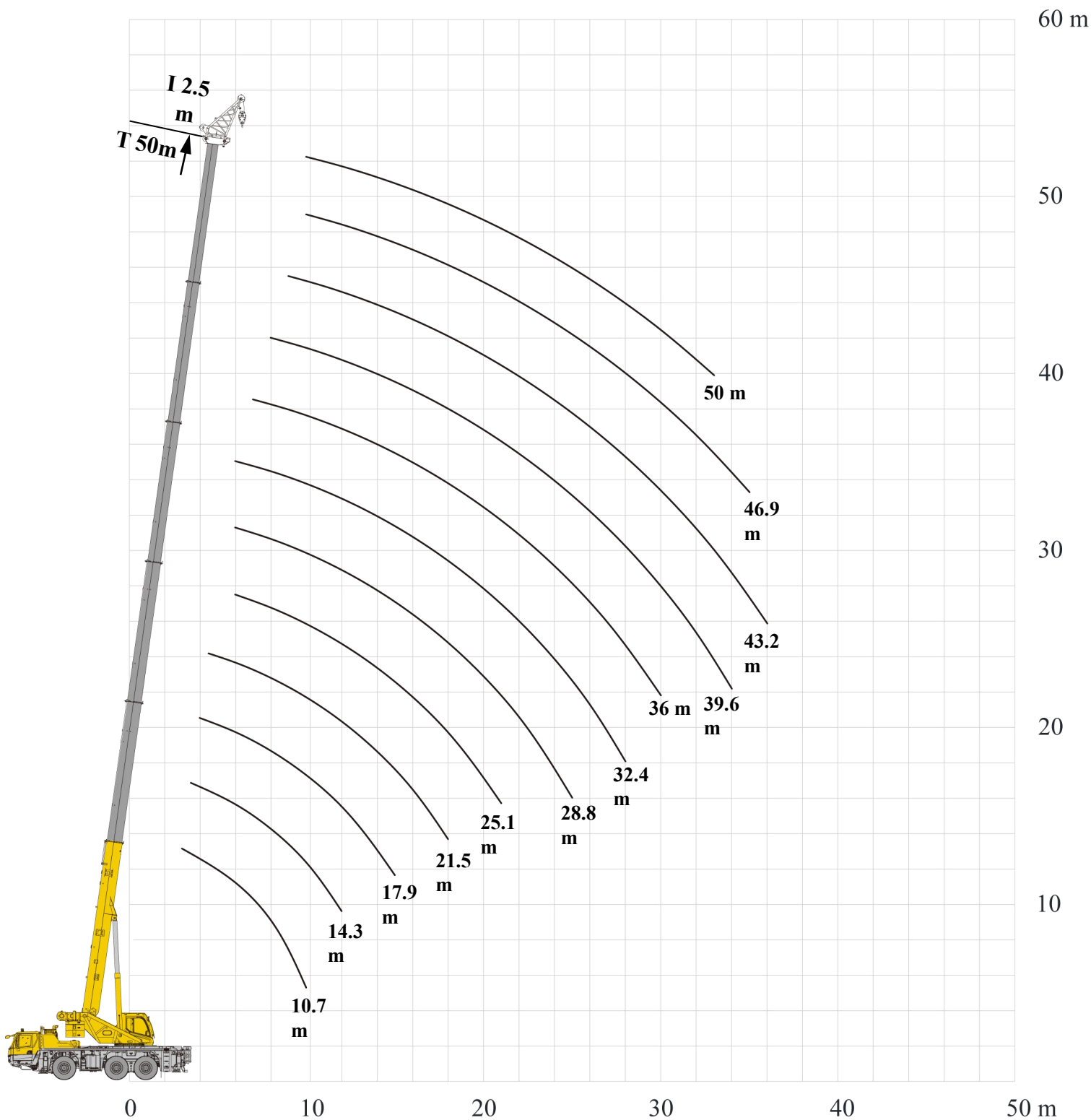
T 10.65-50m

10.65-50m													
													
	10.7	14.3	17.9	18.5	21.5	22.1	25.1	25.8	26.4	28.8	30	32.4	
2.1	60.0*												2.1
3	42.5												3
3.5	42.5	42.5											3.5
4	37.8	38.2	36.2	21.2									4
4.5	34.8	34.8	33.8	20.2	33.3	20							4.5
5	32.2	32.3	32.5	19	32	19							5
6	27.3	27.5	28.1	17.1	27.6	17.2	27.4	14.7	14.4	25.7	14.6	20.8	6
7	22.6	23.2	23.7	15.5	23.2	15.7	23.2	13.4	12.9	23.2	13.1	19.3	7
8	18.5	20	20.4	14.3	20.5	14.2	20.3	12.1	11.6	20.1	11.9	18	8
9		17.4	17.8	13.3	17.9	13	18	11.1	10.6	17.5	10.9	16.8	9
10		15.2	15.8	12.3	15.9	12.1	15.7	10.2	9.9	15.3	10.1	15.4	10
11		13.3	13.7	11.4	13.7	11.3	13.6	9.5	9.2	13.4	9.4	13.3	11
12			11.9	10.6	12	10.6	12	8.9	8.5	11.8	8.7	11.6	12
13			10.6	10	10.6	10	10.6	8.3	8	10.5	8.2	10.5	13
14			9.4	9.3	9.5	9.4	9.5	7.8	7.4	9.7	7.6	9.4	14
15			8.3	8.3	8.5	8.6	8.9	7.4	7	8.7	7.2	8.5	15
16				7.5	7.7	7.7	8.1	6.9	6.6	7.9	6.7	7.7	16
17					7	7	7.3	6.6	6.3	7.2	6.4	7	17
18					6.4	6.4	6.7	6.2	5.9	6.7	6	6.5	18
19					5.9	5.9	6.2	6	5.7	6	5.7	6	19
20							5.7	5.6	5.4	5.7	5.5	5.5	20
21							5.3	5.2	5.2	5.2	5.2	5.2	21
22							4.8	4.8	4.8	4.8	4.8	4.8	22
23								4.4	4.5	4.5	4.4	4.5	23
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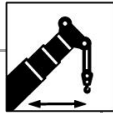
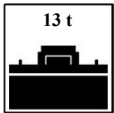
Note: *Over rear with special equipment

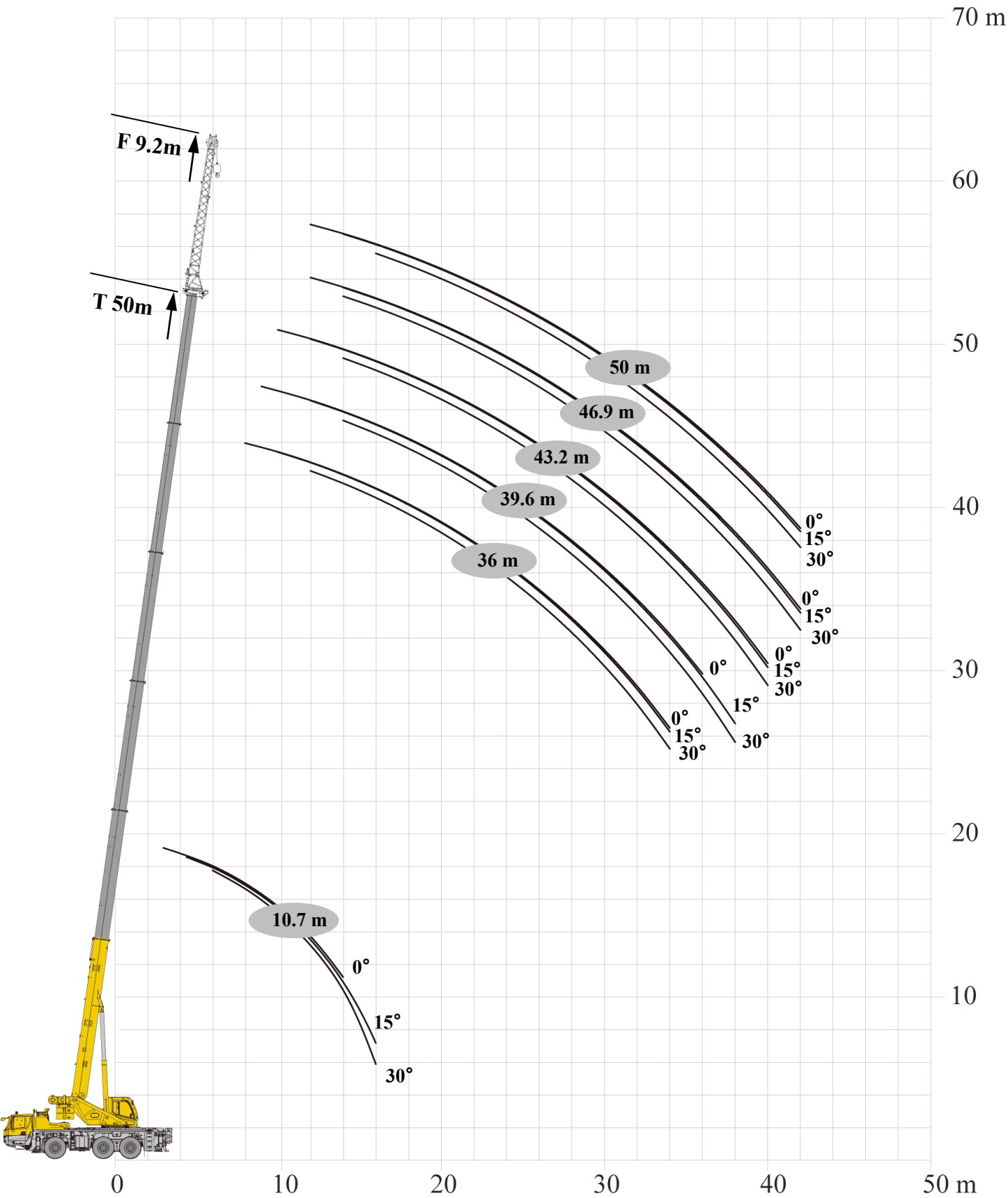
T 10.65-50m

10.65-50m														
														
	33.6	34.3	36	37.9	39.6	41.5	42.1	43.2	45.8	46.9	49.4	50		
2.1													2.1	
3													3	
3.5													3.5	
4													4	
4.5													4.5	
5													5	
6	13.6	12.8											6	
7	12.3	12.1	16.1	14.6									7	
8	11.2	10.9	15.6	11.5	12.1	9.7	9.2						8	
9	10.2	10	14.3	10.5	11.8	9.7	9.2	10	7.9	7.8			9	
10	9.4	9.2	13.3	9.7	11.7	9.3	9.1	10	7.9	7.8	6.5	6.4	10	
11	8.8	8.6	12.2	9	10.9	8.8	8.6	9.7	7.9	7.7	6.5	6.4	11	
12	8.2	8	11.2	8.3	10	8.2	8.1	9.3	7.9	7.6	6.5	6.4	12	
13	7.7	7.5	10.4	7.8	8.9	7.7	7.5	8.7	7.6	7.3	6.5	6.4	13	
14	7.2	7	9.5	7.3	7.9	7.2	7	8.1	7.3	7	6.6	6.4	14	
15	6.7	6.6	8.5	6.9	7.5	6.7	6.6	7.4	6.9	6.8	6.4	6.3	15	
16	6.3	6.1	7.7	6.4	7	6.2	6.2	6.7	6.5	6.5	6.3	6	16	
17	6	5.8	6.9	6.1	6.5	5.9	5.9	6.2	6.1	6	5.9	5.7	17	
18	5.6	5.5	6.3	5.8	6.2	5.6	5.5	5.7	5.9	5.4	5.5	5.4	18	
19	5.4	5.2	5.8	5.5	5.9	5.3	5.2	5.3	5.6	5.2	5.2	5	19	
20	5.1	4.9	5.3	5.2	5.5	5	4.9	5	5.1	4.9	4.9	4.5	20	
21	4.9	4.7	5	5.2	4.9	4.8	4.7	4.7	4.8	4.6	4.6	4.3	21	
22	4.6	4.5	4.7	4.8	4.5	4.5	4.5	4.3	4.4	4.2	4.2	4	22	
23	4.4	4.5	4.3	4.4	4.2	4.3	4.2	4	4	3.9	3.9	3.9	23	
24	4.1	4.2	4	4.1	3.9	4	3.9	3.7	3.7	3.5	3.6	3.6	24	
25	3.8	3.9	3.7	3.8	3.6	3.7	3.6	3.4	3.4	3.3	3.3	3.3	25	
26	3.6	3.7	3.4	3.6	3.3	3.5	3.4	3.2	3.2	3	3	3	26	
27	3.3	3.4	3.2	3.3	3.1	3.2	3.1	2.9	3	2.8	2.8	2.8	27	
28	3.1	3.2	3	3.1	2.9	3	2.9	2.7	2.7	2.6	2.6	2.6	28	
29	2.9	3	2.8	2.9	2.7	2.8	2.7	2.5	2.5	2.4	2.4	2.4	29	
30	2.7	2.8	2.6	2.7	2.5	2.6	2.5	2.3	2.3	2.2	2.2	2.2	30	
31	2.6	2.6	2.4	2.5	2.3	2.5	2.3	2.1	2.2	2	2.1	2.1	31	
32			2.2	2.4	2.2	2.3	2.2	2	2	1.8	1.9	1.8	32	
33			2.1	2.2	2	2.1	2	1.8	1.9	1.7	1.8	1.8	33	
34				2.1	1.9	1.9	1.9	1.7	1.7	1.5	1.6	1.6	34	
35				1.9	1.7	1.8	1.7	1.6	1.6	1.4	1.5	1.5	35	
36					1.6	1.6	1.6	1.4	1.5	1.3	1.3	1.3	36	
37					1.5	1.5	1.5	1.3	1.3	1.2	1.2	1.2	37	
38						1.4	1.4	1.2	1.2	1.1	1.1	1.1	38	
39							1.3	1.1	1.1	0.9	1	1	39	
40								1	1	0.8	0.9	0.9	40	

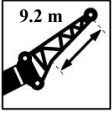
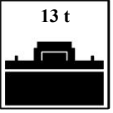


T 50m

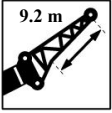
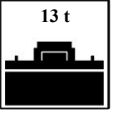
150m													
													
	10.7	14.3	17.9	21.5	25.1	28.8	32.4	36	39.6	43.2	46.9	50	
3	17.7												3
3.5	17.7	17.7											3.5
4	17.7	17.7	17.7										4
4.5	17.7	17.7	17.7	17.7									4.5
5	17.7	17.7	17.7	17.7									5
6	17.7	17.7	17.7	17.7	17.7	17.7	15.7						6
7	17.7	17.7	17.7	17.3	17.4	17.3	14.2	10.6					7
8	17.7	17.7	16.3	15.7	16	15.8	12.6	9.7	8.7				8
9	17.7	17.7	15.1	14.4	14.7	14.5	11.5	8.8	8.2	6.4			9
10	15.6	16.1	13.9	13.4	13.5	13.2	10.5	8.1	7.4	6.1	5.1	3.4	10
11		13.8	13	12.5	12.6	12.3	9.7	7.5	6.7	5.7	5.1	3.4	11
12		11.9	12.2	11.6	11.7	11.4	8.9	6.9	6.1	5.3	5	3.4	12
13			11	10.9	11	10.7	8.3	6.5	5.6	4.9	4.6	3.4	13
14			9.8	9.9	9.7	9.5	7.6	6	5.1	4.5	4.1	3.4	14
15			8.7	8.8	8.7	8.5	7.1	5.7	4.8	4.2	3.8	3.2	15
16				7.9	7.8	7.6	6.6	5.3	4.5	3.9	3.6	3.1	16
17				7.2	7.1	6.8	6.2	5	4.2	3.6	3.3	2.9	17
18				6.5	6.4	6.2	5.7	4.7	3.9	3.4	3.1	2.7	18
19					5.8	5.6	5.4	4.4	3.6	3.2	2.9	2.5	19
20					5.3	5.1	4.9	4.2	3.3	3	2.7	2.3	20
21					4.9	4.6	4.4	4	3.1	2.8	2.5	2.1	21
22						4.2	4	3.8	2.9	2.6	2.3	1.9	22
23						3.9	3.7	3.6	2.7	2.4	2.1	1.8	23
24						3.5	3.3	3.4	2.5	2.2	1.9	1.7	24
25						3.2	3	3.2	2.3	2.1	1.8	1.6	25
26							2.8	3.1	2.1	2	1.8	1.5	26
27							2.5	2.9	2	1.8	1.6	1.4	27
28							2.3	2.8	1.8	1.7	1.4	1.3	28
29								2.6	1.7	1.6	1.3	1.2	29
30								2.4	1.6	1.5	1.2	1.1	30
31									1.5	1.4	1.2	0.9	31
32									1.3	1.3	1.1	0.8	32
33									1.2	1.2	0.9	0.6	33
34									1.2	1.1	0.8		34
35										1	0.6		35
36										0.8			36



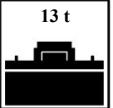
T 50m

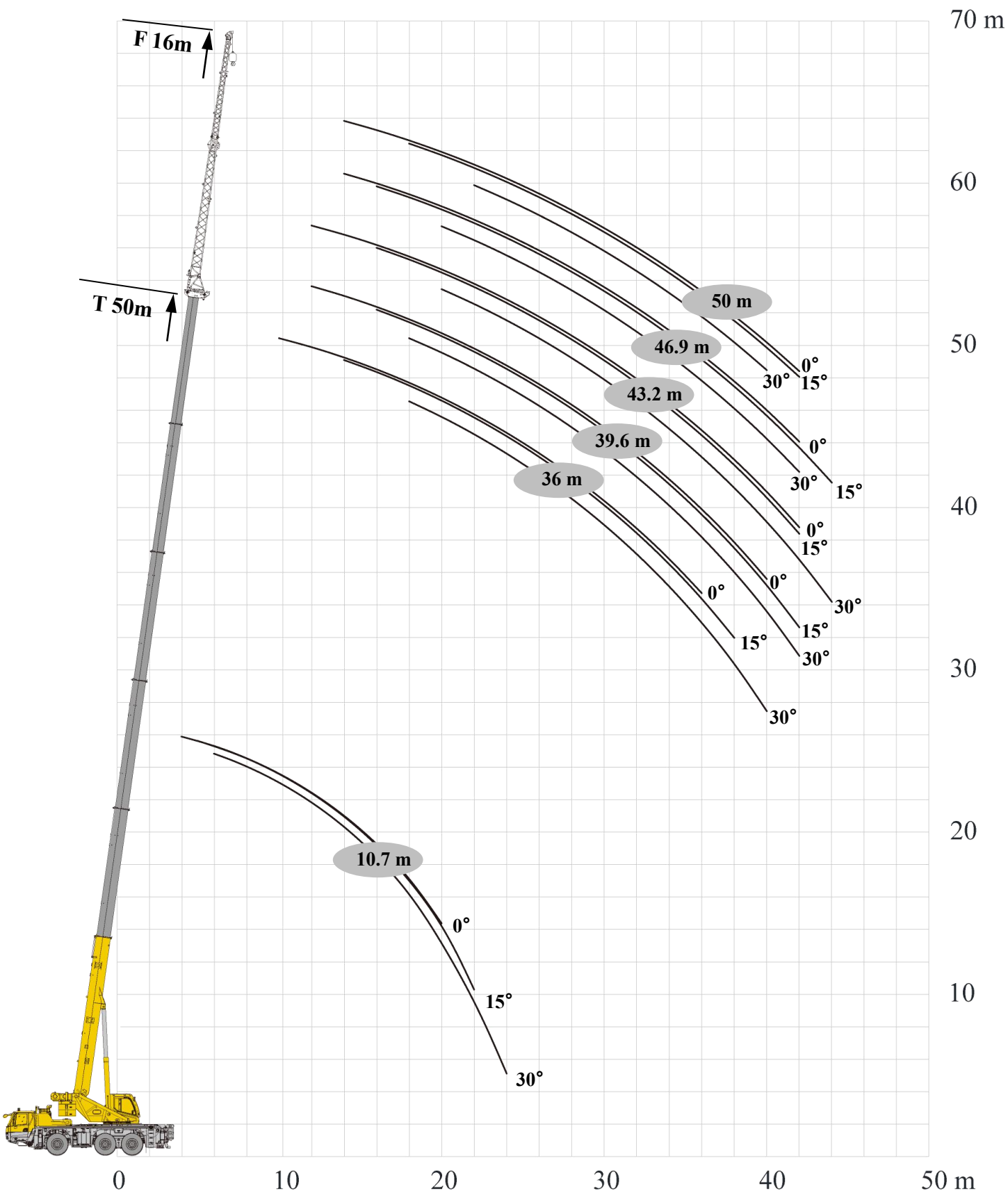
							
	10.7	36	39.6	43.2	46.9	50	
3	4.5						3
3.5	4.5						3.5
4	4.5						4
4.5	4.5						4.5
5	4.5						5
6	4.4						6
7	4.1						7
8	3.8	4.5					8
9	3.6	4.5	4.5				9
10	3.3	4.5	4.5	4.5			10
12	3	4.5	4.5	4.5	4	2.9	12
14	2.6	4.5	4.5	4.5	4	2.8	14
16		4.5	4.5	4.1	3.7	2.8	16
18		4.5	4	3.5	3.2	2.8	18
20		4	3.5	3.1	2.9	2.6	20
22		3.7	3.1	2.7	2.5	2.3	22
24		3.3	2.7	2.3	2.2	2	24
26		2.8	2.4	2.2	1.9	1.8	26
28		2.4	2.2	1.8	1.7	1.6	28
30		1.9	1.9	1.7	1.6	1.3	30
32		1.6	1.6	1.5	1.4	1.2	32
34		1.2	1.3	1.3	1.3	1	34
36			0.9	1.1	1.1	0.9	36
38				0.9	0.9	0.8	38
40				0.6	0.6	0.6	40
42					0.5	0.5	42

T 50m

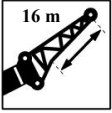
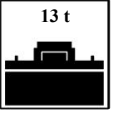
							
	10.7	36	39.6	43.2	46.9	50	
4.5	3.8						4.5
5	3.8						5
6	3.6						6
7	3.4						7
8	3.2						8
9	3.1						9
10	3	4.5					10
12	2.7	4.5	4.5	4.5			12
14	2.5	4.2	4.2	4.3	4.3	2.9	14
16	2.3	3.9	3.9	3.9	3.6	2.9	16
18		3.7	3.7	3.5	3	2.8	18
20		3.4	3.4	3.1	2.7	2.5	20
22		3.3	3	2.7	2.4	2.2	22
24		3.1	2.6	2.3	2.2	2	24
26		2.8	2.5	2.1	2	1.8	26
28		2.5	2.1	1.9	1.8	1.6	28
30		2.1	1.9	1.7	1.5	1.4	30
32		1.7	1.7	1.5	1.3	1.2	32
34		1.3	1.5	1.3	1.1	1.1	34
36			1.2	1.2	1.1	0.9	36
38			0.9	0.9	1	0.9	38
40				0.5	0.6	0.8	40
42					0.5	0.5	42

T 50m

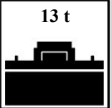
							
	10.7	36	39.6	43.2	46.9	50	
6	3						6
7	3						7
8	3						8
9	2.8						9
10	2.6						10
12	2.4	2.7					12
14	2.3	2.6	2.6	2.6	2.5		14
16	2.1	2.5	2.5	2.5	2.4	2.5	16
18	1.8	2.3	2.4	2.4	2.3	2.3	18
20		2.2	2.2	2.3	2.2	2.2	20
22		2.1	2.1	2.2	2.2	2.1	22
24		2	2	2	2.1	1.9	24
26		2	2	2	1.9	1.8	26
28		1.9	1.9	1.9	1.8	1.6	28
30		1.8	1.9	1.6	1.5	1.4	30
32		1.7	1.7	1.4	1.3	1.2	32
34		1.3	1.4	1.2	1.1	1.1	34
36			1.3	1.2	1.1	0.9	36
38			0.9	1	1	0.9	38
40				0.6	0.6	0.8	40
42					0.5	0.5	42



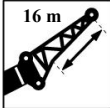
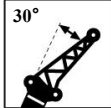
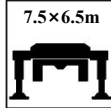
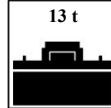
T 50m

							
	10.7	36	39.6	43.2	46.9	50	
4	4.5						4
4.5	4.5						4.5
5	4.5						5
6	4.4						6
7	4.1						7
8	3.8						8
9	3.6						9
10	3.3	4.5					10
12	3	4.5	4.5	3.8			12
14	2.6	4.2	4.2	3.8	2.9	2.1	14
16	2.4	3.8	3.9	3.7	3	2.1	16
18	2.2	3.5	3.5	3.2	2.9	2.1	18
20	2.1	3.3	3.2	2.8	2.5	2	20
22		3.1	2.7	2.4	2.2	2	22
24		2.6	2.1	1.8	1.7	1.4	24
26		2.3	1.9	1.6	1.3	1.2	26
28		2	1.6	1.3	1.2	1	28
30		1.8	1.4	1.2	0.8	0.9	30
32		1.6	1.2	1	0.8	0.8	32
34		1.4	1.1	0.9	0.7	0.7	34
36		1.2	0.9	0.8	0.7	0.7	36
38			0.7	0.7	0.6	0.6	38
40			0.5	0.6	0.5	0.6	40
42				0.5	0.5	0.5	42

T 50m

							
	10.7	36	39.6	43.2	46.9	50	
8	3.2						8
9	3.1						9
10	3						10
12	2.7						12
14	2.5	2.6					14
16	2.3	2.5	2.4	2.4			16
18	2.1	2.4	2.3	2.3	2.4	2.1	18
20	2	2.1	2.2	2.2	2.3	2.1	20
22	1.8	2	2	2.1	2.1	2.1	22
24		2.2	2.1	1.8	1.7	1.4	24
26		2.1	1.9	1.6	1.5	1.2	26
28		2	1.7	1.4	1.1	1	28
30		1.9	1.5	1.2	1	0.9	30
32		1.7	1.3	1	0.9	0.8	32
34		1.5	1.1	0.9	0.8	0.7	34
36		1.3	0.9	0.8	0.7	0.7	36
38		1.2	0.8	0.7	0.7	0.6	38
40			0.6	0.6	0.6	0.6	40
42			0.5	0.5	0.6	0.5	42
44					0.5		44

T 50m

							
	10.7	36	39.6	43.2	46.9	50	
6	3						6
7	2.9						7
8	2.8						8
9	2.6						9
10	2.5						10
12	2.4						12
14	2.3						14
16	2.1						16
18	2	1.3	1.3				18
20	1.9	1.1	1.2	1.1	1.2		20
22	1.8	1.1	1.1	1.1	1.1	1.2	22
24	1.5	1.9	1.9	1.8	1.6	1.5	24
26		1.8	1.8	1.7	1.5	1.4	26
28		1.8	1.7	1.5	1.3	1.2	28
30		1.8	1.5	1.3	1.1	1	30
32		1.7	1.3	1.2	0.9	0.9	32
34		1.5	1.2	1	0.8	0.8	34
36		1.4	1	0.8	0.7	0.7	36
38		1.2	0.8	0.7	0.7	0.6	38
40		1.1	0.6	0.6	0.6	0.5	40
42			0.5	0.6	0.5		42
44				0.5			44

Main technical parameters

Category	Item		Unit	Parameters
Dimensions	Dimensions (L×W×H)		mm	11967×2550×3850
	Axle spacing		mm	2950+1650
	Track (front/rear)		mm	Front: 2158 (385 tire), 2100 (445 tire) Rear: 2158 (385 tire), 2100 (445 tire)
	Front/rear overhang		mm	3164/2589
	Front/rear extension		mm	1525/90
Weights	Maximum permissible total weight		kg	36000
	Axle load	Axle 1	kg	12000
		Axle 2	kg	12000
		Axle 3	kg	12000
Power	Engine model		——	OM470LA.E5-4
	Maximum net power/rpm		kW/(r/min)	280/1600
	Maximum output torque/rpm		N.m/(r/min)	1900/1300
Travel	Maximum travel speed		km/h	80
	Minimum stable travel speed		km/h	4
	Minimum turning diameter		m	21.2 (385 tire), 22.2 (445 tire)
	Minimum ground clearance		mm	272 (385 tire), 333 (445 tire)
	Approach angle		°	15° (385 tire), 17.5° (445 tire)
	Departure angle		°	10° (385 tire), 12° (445 tire)
	Braking distance (initial speed at 30km/h)		m	10
	Maximum grade ability		%	60
	Fuel consumption per 100 km		L	60
Noise	Exterior noise level when accelerating		dB(A)	83

Main technical parameters

Category	Item			Unit	Parameters
Main performance	Maximum rated total lifting capacity			t	60
	Minimum rated working radius			m	2.1
	Slewing radius at turntable tail	At counterweight		mm	3600
		At beacon light		mm	3732
		At auxiliary winch		mm	4110
	Maximum load moment	Base boom		kN.m	1605
		Fully-extended boom		kN.m	953
		Fully-extended boom + jib		kN.m	431
	Outrigger span	Longitudinal		m	7.5
		Lateral		m	Half-extended 4.28 Fully-extended 6.48
	Lifting height	Base boom		m	10.4
		Fully-extended boom		m	49.6
		Fully-extended boom + jib		m	63.7
	Boom length	Base boom		m	10.65
		Fully-extended boom		m	50
		Fully-extended boom + jib		m	66
	Jib offset angle			°	0, 15, 30
Working speeds	Time for raising boom			s	40
	Time for fully extending boom			s	350
	Maximum slewing speed			r/min	1.5
		Outrigger beams	Retracting	s	35
			Extending	s	35
		Outrigger jacks	Retracting	s	30
			Extending	s	40
	Lifting speed (Single line, no load)	Main winch system		m/min	135
Auxiliary winch system		m/min	135		
Noise	Exterior noise level			dB(A)	108
	At driver position			dB(A)	80

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

1. The document is intended as reference only. It is only a guide and should not be used to operate the crane. See product manuals for correct operation instructions.
2. The total rated loads given in the load charts are the maximum lifting capacity (in tonne) under corresponding boom length and radius when the crane is set up on firm and level ground, which includes the weight of the hook block and rigging. The weight of above-mentioned devices should be deducted from the rated lifting load.
3. The working radius is the horizontal gravity center distance of the load from the rotational axis of the crane superstructure measured at the ground.
4. 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.
5. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed of 14.1 m/s, wind pressure of 125 N/m²).



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