

XCT130BR Truck Crane

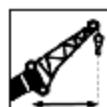
Technical specifications



130 t



70 m



60 m



95 m

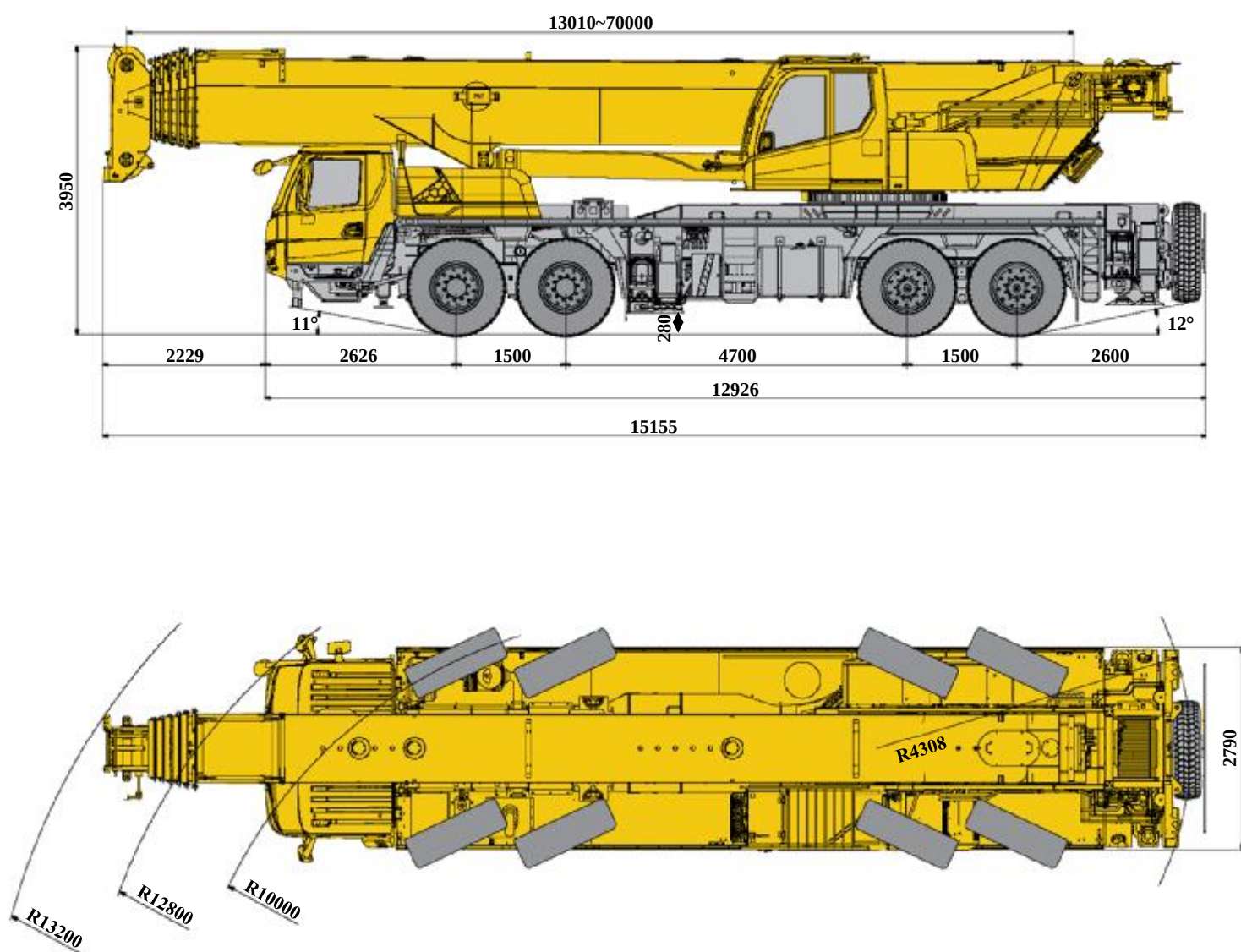


1st edition, December 2025

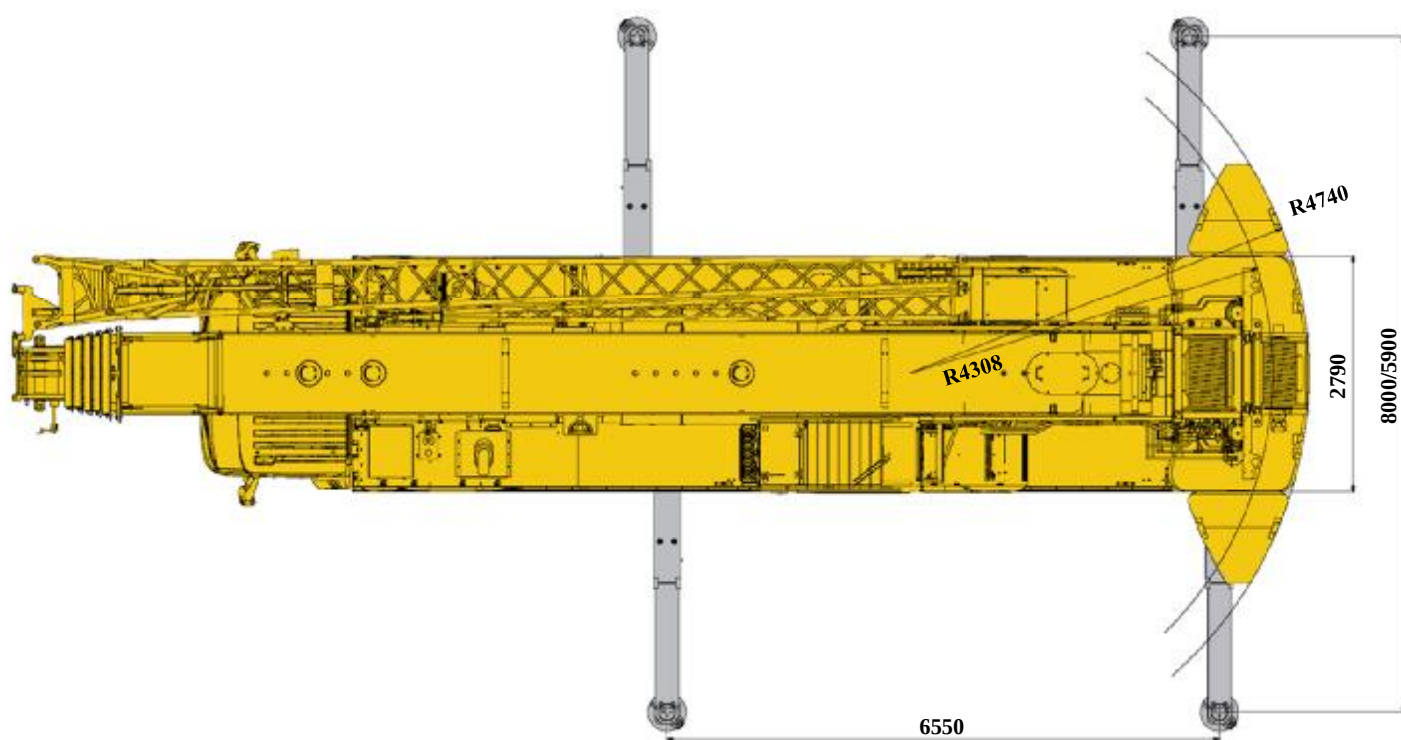
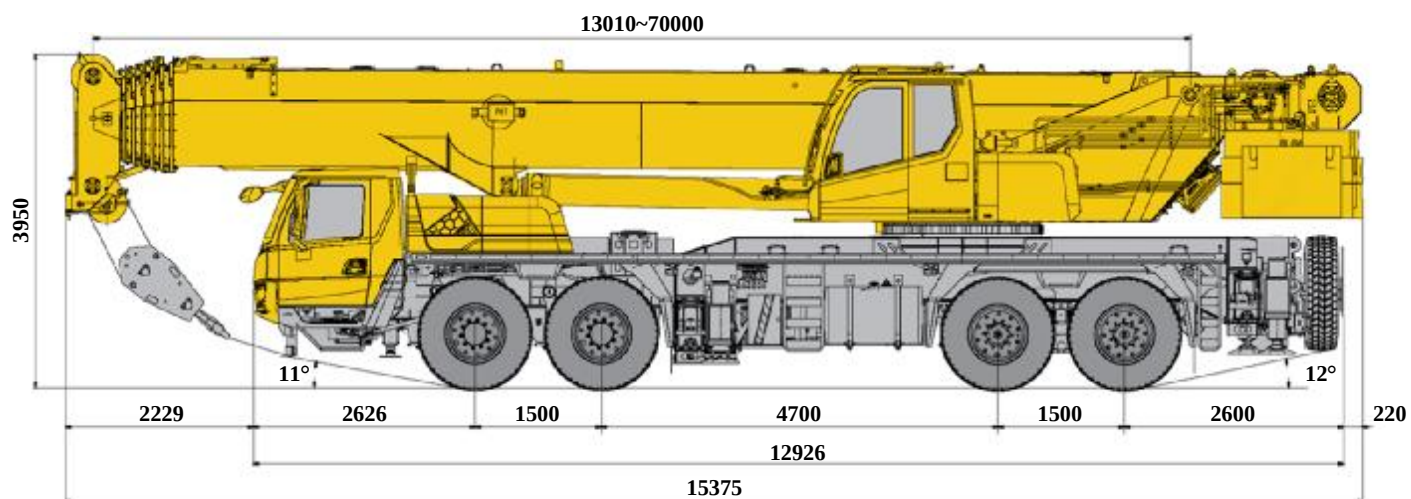
Contents

Dimensions	5-6
Technical specifications	7-8
Configuration and optional equipment	9
Weights	10
Working speeds	11
Counterweight	12
Dimensions of parts to be transported	13-14
Boom/ jib combinations	15-16
Load charts	17-28
Table of main technical parameters	29-30
Description of symbols	31-32
Cautions	33

Dimensions



Dimensions



Technical specifications



Chassis

Frame	Designed and manufactured by XCMG, the frame is made of high strength steel with fully covered deck and anti-torsion box-typed structure.
Outriggers	Four outriggers, arranged in H-shape are hydraulically controlled by outrigger control panel. The electric control panel on one side can only control the horizontal movements of the two outriggers on the same side and the vertical movements of all four outriggers. Level gauges and a 5th jack are available. There is a double-way hydraulic valve fitted in each jack cylinder. Outrigger float diameter: $\phi 450\text{mm}$. Maximum outrigger reaction force: 821 kN.
Engine	WP12G375E300, in-line, 6 cylinders, water cooled, electric control diesel engine made by Weichai. Engine displacement: 11.596 L; Engine emission standard: MAR-1; Maximum reference torque: 1948N.m; Rated power: 276kW/1900rpm; Maximum torque 1800Nm/1000-1400rpm Fuel tank capacity: 470 L.
Transmission	FAST automatic transmission with 12 forward gears, 2 reverse gears, and synchronizer.
Safety devices	Standard: ABS.
Axles	High strength axles; 3rd and 4th axles are for driving. Driving/steering type: 8$\times$4$\times$8.
Suspension	Front suspension: longitudinal leaf spring balanced suspension, with cylindrical shock absorber. Rear suspension: double trailing arm balanced suspension, V-type upper control arm.
Tires	8 tires and 1 spare tire; Front axles and rear axles are equipped with single-tires. Tire specifications: 385/95R25.
Braking system	Service brake: dual-circuit air pressure brake, acting on all wheels. Parking brake: spring-loaded brake, acting on the wheels of axles 2, 3 and 4. Auxiliary brake: engine exhaust brake and transmission retarder brake.
Steering	Mechanical steering mechanism with a hydraulic booster and rear axle steering system.
Driver's cab	The new full dimension steel structure cab is equipped with electric window lifters, large-view injection molded rearview mirror, mechanical shock-absorbing seat for the driver, and double-seat for co-driver, which can be unfolded into a sleeper. New combined central control panel, large screen color liquid crystal display, audio system, fire extinguisher and HVAC are adopted.
Electrical system	24V DC, two 12V batteries in series. Generator: 28 V-80 A.

Technical specifications



Superstructure

Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	Electric proportional variable pump is used for lifting, luffing and telescoping operations. A closed pump is used to drive slewing operation. The proportional solenoid directional control valve and air-cooled hydraulic oil cooler are also equipped. Effective volume of hydraulic oil tank: 515L
Control system	The electric-proportional pilot control, stepless speed regulation, all movements of the crane is controlled by two levers at left and right sides.
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 ball contact external tooth slewing bearing; the system is driven by a hydraulic motor through a planetary gear reducer with constant-closed brake equipped, and can continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.
Operator's cab	New 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, front steps, and pull-out side steps. Double-motor wipers for front and roof windows, with 2.5 L washer tank. The fully covered injection-molded interior is equipped with sun screens for the front windows, rear windows, side windows, and a dual-layer sun screen for roof window. Adjustable, electric-heating, mechanical shock-absorbing seat with breathable leather. Double-LED interior light, electric fan, 24 V and 5 V USB charging ports. Instrument panel, human-machine interaction system display, control panel, winch monitoring displaying system, armrest box, engine power acceleration pedal, and engine starter switch are equipped. Air conditioning (cooling & heating) and fire extinguisher are standard.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, double-way hydraulic lock, LMI, lowering limiter, anti-two block, anemometer.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.
Load moment indicator (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	Total weight is 39 t. Counterweight slabs of 11.5t, 8t, 8t, 5.75t × 2.
Hook block	60 t, 35 t and 7 t hook blocks are standard.
Luffing system	Single luffing cylinder and the luffing counterbalance valve with the load compensation function. Counterbalance valve controlled gravity lowering with power override for boom lowering.
Boom	7-section boom with U-shaped cross-section, welded structure with single-plate boom head and compact boom tail. Single-cylinder pinning telescoping system Boom length: 13 m ~ 70 m.
Fixed jib	The jib consists of a connecting bracket, an offsetting bracket and two lattice sections. Three offset angles of 0°, 15° and 30° are available. It is stowed along the side of the boom. Jib length: 10.5 m and 17.5 m
Auxiliary sheave	Installed at the boom top, used for single line operation. Its lifting performance is the same with that of boom, but the max. lifting load can not exceed 7 t.
Boom extension	Two-section lattice welded structure, attached to boom head. Boom extension length: 7 m × 2.
Independent jib head	Lattice welding structure, attached to boom head. Length of independent jib head: 2.9 m.

Other items of equipment available on request.

Models and options

 Configuration	Function description
Standard configuration	7-section boom of 70 m, fixed jib of 17.5 m..
Note: only standard configuration is available for this model.	

 Optional equipment	Component description
Hook block	90 t hook block
Monitoring system assembly	Including winch monitoring device, counterweight attachment monitoring device, boom head monitoring device and in-boom monitoring device.
Data recorder	Monitor and record various parameters of the crane operation.
Level gauge	Measures crane levelness to ensure stability and safety during crane installation, calibration, and operation.
Beacon light	When the crane is in a slewing motion or beacon light switch at the driver's cab is activated, the beacon light will illuminate, serving as a cautionary signal for surrounding personnel.

Weights

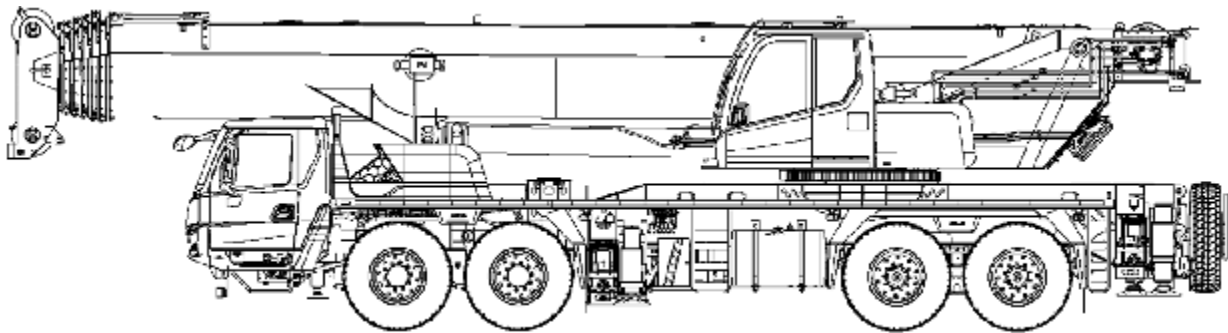
	Axles	1	2	3	4	Total weight
t		12	12	12	12	48 ¹⁾
t		16.1	16.1	19.28	19.28	70.76 ²⁾

1) 48 t road travel configuration:

The superstructure is without hook block, jib & its bracket, auxiliary winch, wire rope, auxiliary sheave, counterweight.

Chassis: full configuration.

Maximum travel speed: 80 km/h; overall dimensions: 15155×2790×3950 mm.

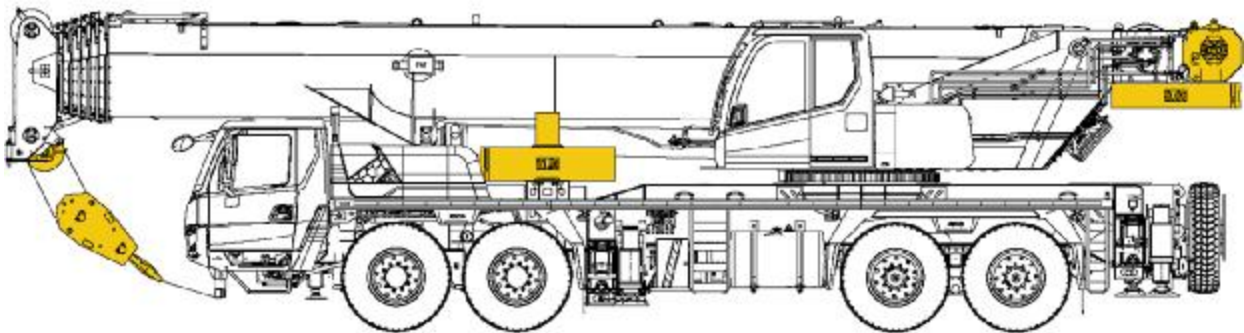


2) 70.76 t heavy-load jobsite transfer configuration (Off-road travel configuration):

Superstructure: With the parts carried on board in road travel configuration, 60 t hook block (in front of the driver's cab), jib & its bracket, auxiliary sheave, auxiliary winch and wire rope, 11.5 t counterweight (placed in the middle of the frame) and 8 t counterweight (placed under the turntable tail) are also carried.

Chassis: full configuration.

Maximum travel speed: 20 km/h; overall dimensions: 15375×2790×3995 mm.



	Hook block	Parts of line	Weight (kg)	Dimensions (mm)	Notes
	90t	13	700	1735×554×520	Single-hook
	60t	7	580	1500×610×590	Dual-hook
	35t	7	360	1375×570×318	Single-hook
	7t	1	256	731×426×426	Single-hook

Working speeds



385/95R25

2.5~80km/h

45%



0-130M/min, single line, no load

82.3 kN

20 mm

290 m



0-90 m/min, single line, no load

68.6 kN

20 mm

205 m



0-1.8 r/min

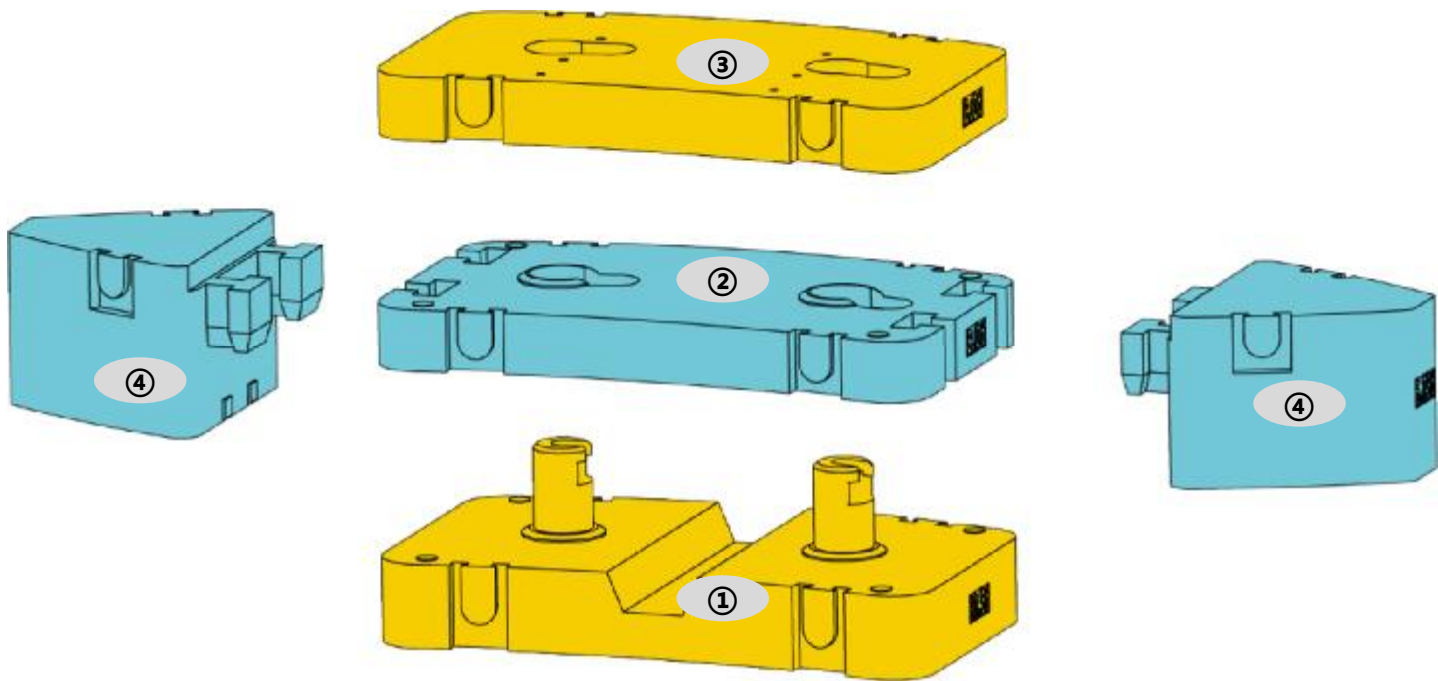


Approx. 65 s for boom luffing up from -1° to 81°



Approx. 590 s for boom extending from 13 m to 70 m

Counterweight

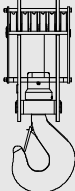
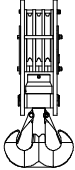
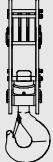
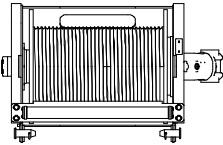
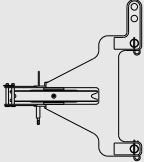


	①	②	③	④
Dimensions (L×W×H) (mm)	2780×1674×850	2780×1674×333	2780×1593×312	1350×1245×840
Weight (t)	11.5	8	8	5.75

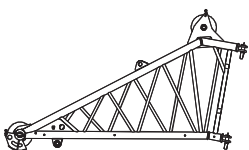
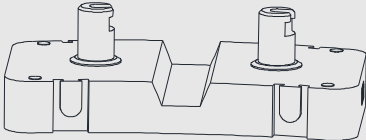
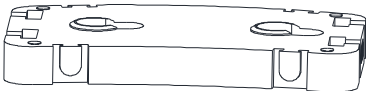
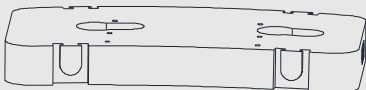
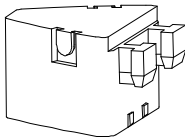
Operation modes	39t	27.5t	19.5t	11.5t	8t	0t
Combinations	①+②+③+④×2	①+②+③	①+③	①	③	——

Note: the yellow counterweight slabs can be carried for short-distance jobsite transfer, while blue slabs cannot be carried for short-distance jobsite transfer.

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
90 t hook block		700	1	554×520×1735
60 t hook block		515	1	730×329×1586
35 t hook block		360	1	310×555×1485
7 t hook block		256	1	426×426×731
Jib assembly		1750	1	11100×930×1600
Auxiliary winch system (With wire ropes)		1060	1	1230×768×776
Auxiliary sheave		95	1	860×752×480

Dimensions of parts to be transported

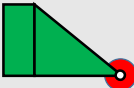
Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Boom extension		470	2	7090×870×1500
Independent jib head		450	1	3200×950×1900
Counterweight slab ①		11500	1	2780×1674×850
Counterweight slab ②		8000	1	2780×1674×333
Counterweight slab ③		8000	1	2780×1593×312
Counterweight slab ④		5750	2	1350×1245×840

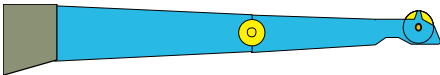
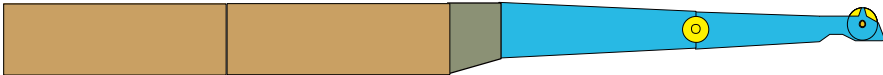
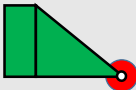
Boom / jib combinations

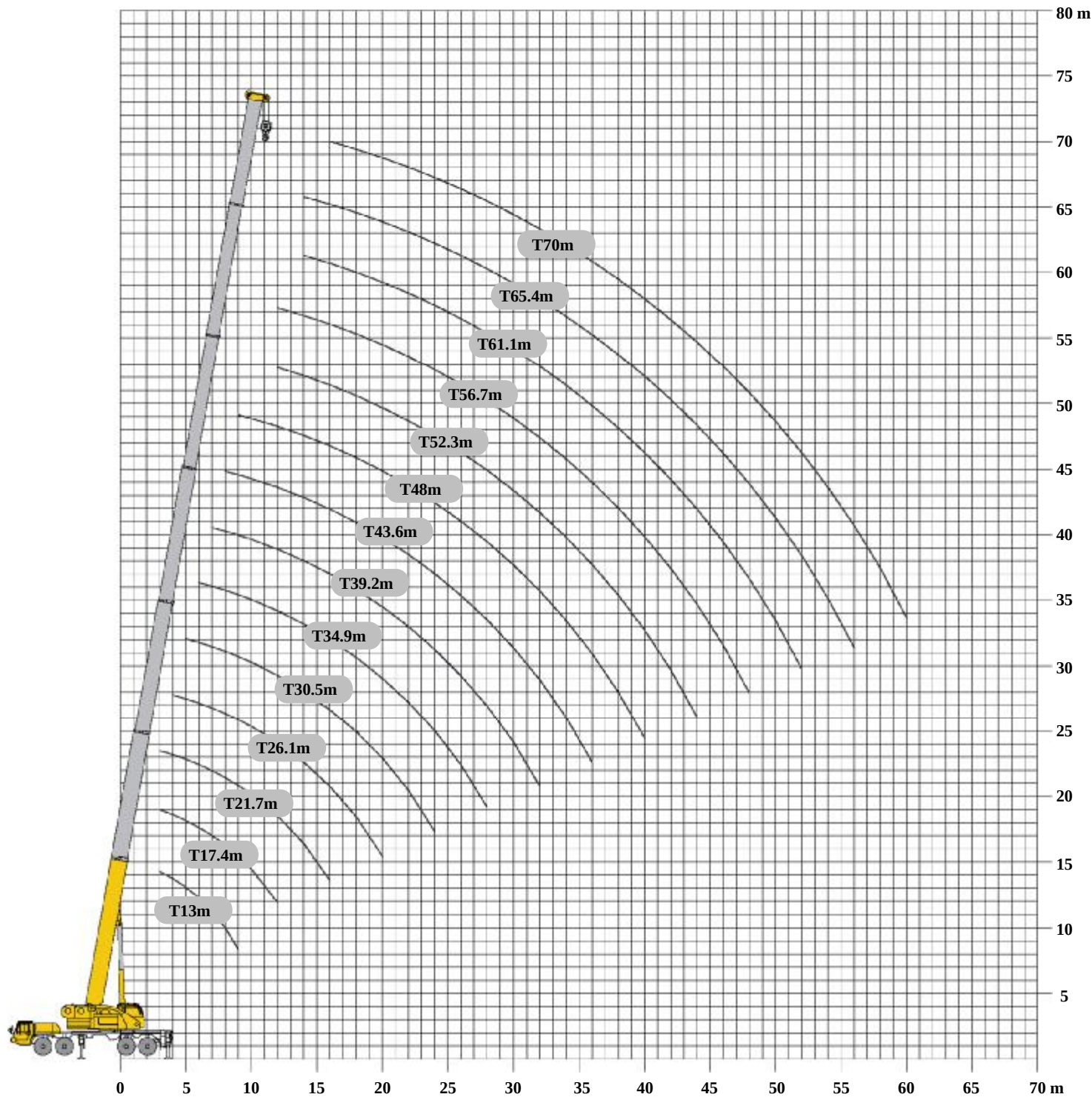


Boom	Jib	Boom extension	Independent jib head
T: 13-70 m	T: 56.7-65.4 m F: 10.5/17.5 m	T: 56.7-65.4 m V: 7/14 m F: 17.5 m	T: 56.7-70 m I: 2.9 m

Boom / jib combinations

Component	Structure
Boom extension of 7 m	
Connecting bracket	
1st jib section	
2nd jib section	
Independent jib head	

Fixed jib	
Jib – 10.5 m	
Jib – 17.5 m	
Boom extension-24.5m	
Boom extension-31.5m	
Independent jib head -2.9 m	



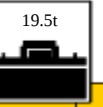
Load charts

Boom

																
	13	17.4	21.7	26.1	30.5	34.9	39.2	43.6	48	52.3	56.7	61.1	65.4	70		
2.5	130														2.5	
3	109.2	85	80												3	
3.5	90	82	76												3.5	
4	88	79	72	68											4	
4.5	80	75	69	65											4.5	
5	74	72	65	62	62										5	
6	64	63	60	58	60	49									6	
7	54	54	54	53	54.5	49	48								7	
8	47	47	48	48	48	48	46	34.2							8	
9	40	42	42	42	42.1	42.5	42	32.2	28						9	
10		37.6	38	38	37.2	38	38	30.3	26.9						10	
12		30.4	31	31	30.1	31.7	31	27.2	24.1	20.7	18.1				12	
14			26.2	27	26	26.5	25.7	24.3	21.4	18.8	16.5	14.2	11.2		14	
16			22.6	23	22.8	22.5	21.8	21.2	19.1	16.9	15.4	13.5	11.2	8.9	16	
18				19.8	19.8	19.4	19.2	19.4	17.4	15.5	14.3	12.6	11.2	8.9	18	
20				17.2	17.2	16.6	17	17.1	15.9	14.4	13.1	11.7	10.5	8.9	20	
22					14.8	14.7	14.9	14.7	13.7	13	12.1	11.2	10.1	8.7	22	
24					12.8	13.3	13	12.7	12.3	11.6	11	10.2	9.4	7.9	24	
26						11.8	11.4	11.1	11.4	10.4	9.9	9.5	8.8	7.5	26	
28						10.5	10.1	10.2	10.1	9.3	8.9	8.8	8.1	7.2	28	
30							9	9.4	8.9	8.5	8	7.9	7.5	6.8	30	
32							8.1	8.4	8	7.9	7.5	7.1	7	6.5	32	
34								7.6	7.1	7.2	7	6.6	6.6	5.9	34	
36								6.8	6.6	6.4	6.4	6.2	5.8	5.4	36	
38									6.1	5.8	5.7	5.6	5.2	5.1	38	
40									5.7	5.2	5.1	5	4.6	4.6	40	
42										4.8	4.6	4.4	4.1	4.1	42	
44										4.4	4.2	4	3.6	3.6	44	
46											3.8	3.5	3.2	3.2	46	
48											3.4	3.1	2.8	2.8	48	
50												2.8	2.4	2.4	50	
52												2.4	2.1	2.1	52	
54													1.8	1.8	54	
56													1.5	1.5	56	
58														1.3	58	
60														1	60	

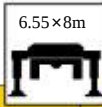
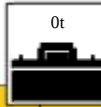
Load charts

Boom

															
	13	17.4	21.7	26.1	30.5	34.9	39.2	43.6	48	52.3	56.7	61.1	65.4	70	
3	108	85	80												3
3.5	90	82	76												3.5
4	88	79	72	68											4
4.5	80	75	69	65											4.5
5	72.9	72	65	62	62										5
6	58.7	59.8	60	58	60	49									6
7	48.8	49.9	50.4	50.5	50.4	49	48								7
8	41.5	42.6	43.1	43.8	43.8	43.5	43	34.2							8
9	35.6	37	38	38.2	38.2	37.9	37.4	32.2	28						9
10		31.2	32.2	32.6	32.5	32.1	31.4	30.3	26.9						10
12		22.6	23.6	23.9	23.8	23.4	24	23.4	22.1	20.7	18.1				12
14			18.2	18.5	19	19	18.5	18.2	18	17.2	16.5	14.2	11.2		14
16			14.6	15.3	15.5	15.3	15.2	15.2	14.9	14.4	14	13.5	11.2	8.9	16
18				12.6	12.8	12.8	12.9	12.5	12.3	12.3	12.1	11.7	11.2	8.9	18
20				10.6	10.8	11	10.8	10.8	10.5	10.4	10.2	9.9	9.5	8.9	20
22					9.2	9.4	9.4	9.3	9.1	8.9	8.6	8.3	7.9	7.9	22
24					7.9	8.1	8	8	7.8	7.6	7.3	7	6.7	6.7	24
26						7	7	6.9	6.8	6.6	6.3	6	5.6	5.7	26
28						6.1	6.1	6	5.9	5.7	5.4	5.1	4.8	4.8	28
30							5.3	5.3	5.1	5	4.7	4.4	4.1	4.1	30
32							4.7	4.7	4.5	4.3	4	3.8	3.4	3.4	32
34								4.1	3.9	3.7	3.4	3.2	2.8	2.9	34
36								3.6	3.4	3.2	3	2.7	2.3	2.3	36
38									3	2.8	2.5	2.3	1.9	2	38
40									2.6	2.4	2.2	1.9	1.5	1.5	40
42										2.1	1.8	1.5	1.2	1.2	42
44										1.7	1.4	1.2			44
46											1.2	0.9			46
48											0.9				48

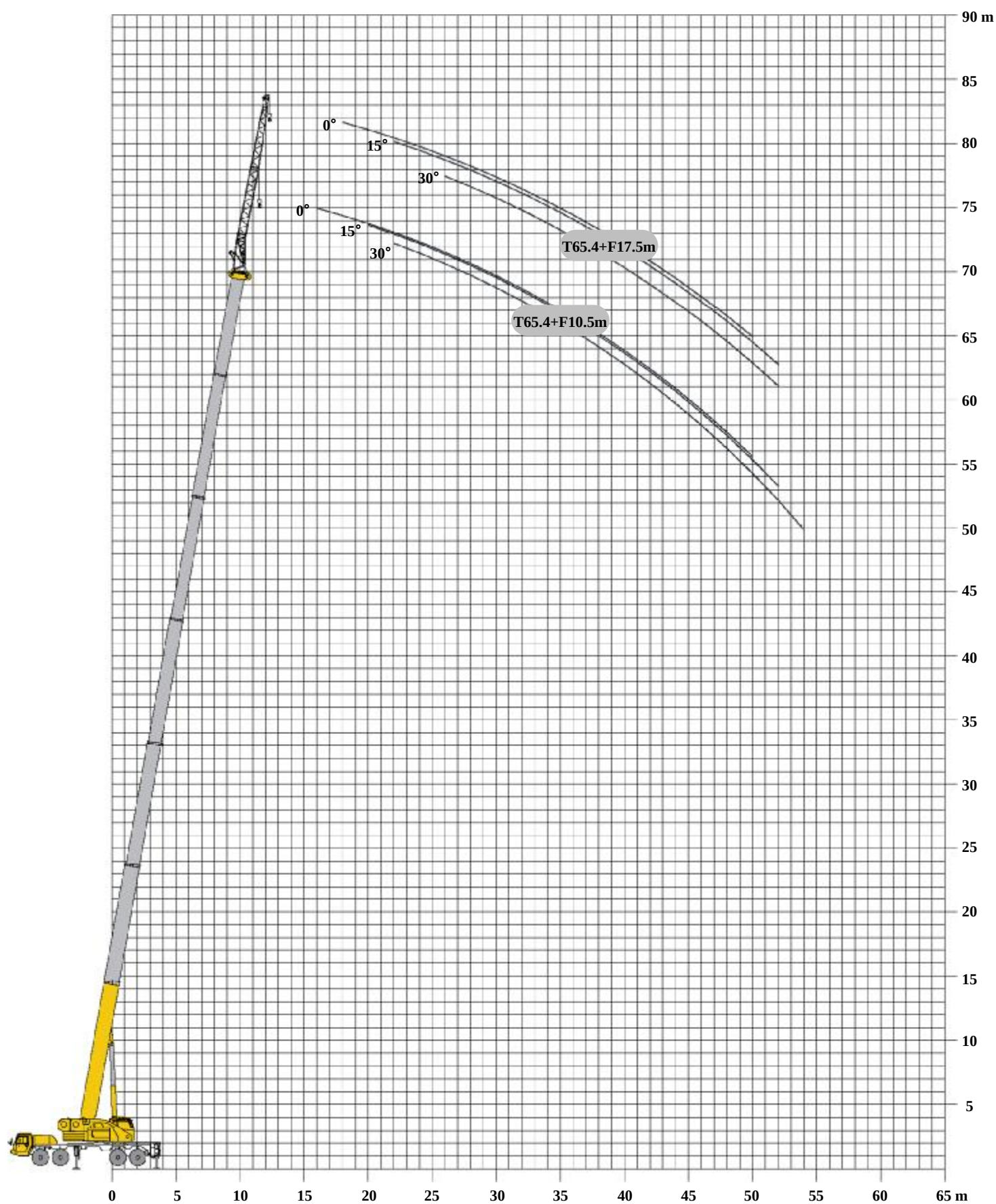
Load charts

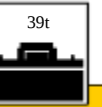
Boom

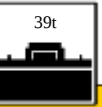
													
	13	17.4	21.7	26.1	30.5	34.9	39.2	43.6	48	52.3	56.7		
3	96	85	80									3	
3.5	90	82	76									3.5	
4	79.1	79	72	68								4	
4.5	68.6	69.9	69	65								4.5	
5	60.5	61.7	62.2	62	62							5	
6	43.3	45.5	47.7	48.2	48.1	47.4						6	
7	29.2	31.7	32.9	33.3	33.2	32.9	32.6					7	
8	21.4	23.6	24.7	25.7	25.8	25.7	25.1	24.6				8	
9	16.5	18.4	19.5	20.3	20.5	20.9	20.6	20.2	19.8			9	
10		14.9	15.8	16.6	16.9	17.1	17	17	16.7			10	
12		10	11	11.8	12	12.2	12.1	12.1	11.8	11.6	11.3	12	
14			7.9	8.6	8.9	9	9	9	8.7	8.6	8.2	14	
16			5.9	6.6	6.8	7	7	6.9	6.6	6.5	6.2	16	
18				5.1	5.4	5.5	5.4	5.4	5.2	5	4.7	18	
20				4	4.2	4.4	4.3	4.3	4.1	3.9	3.7	20	
22					3.4	3.5	3.4	3.4	3.3	3	2.8	22	
24					2.6	2.8	2.8	2.7	2.6	2.4	2.1	24	
26						2.2	2.2	2.2	2	1.8	1.6	26	
28						1.8	1.8	1.7	1.5	1.4	1.1	28	
30							1.4	1.3	1.1	1		30	
32							1	1				32	

Working range diagram

Jib

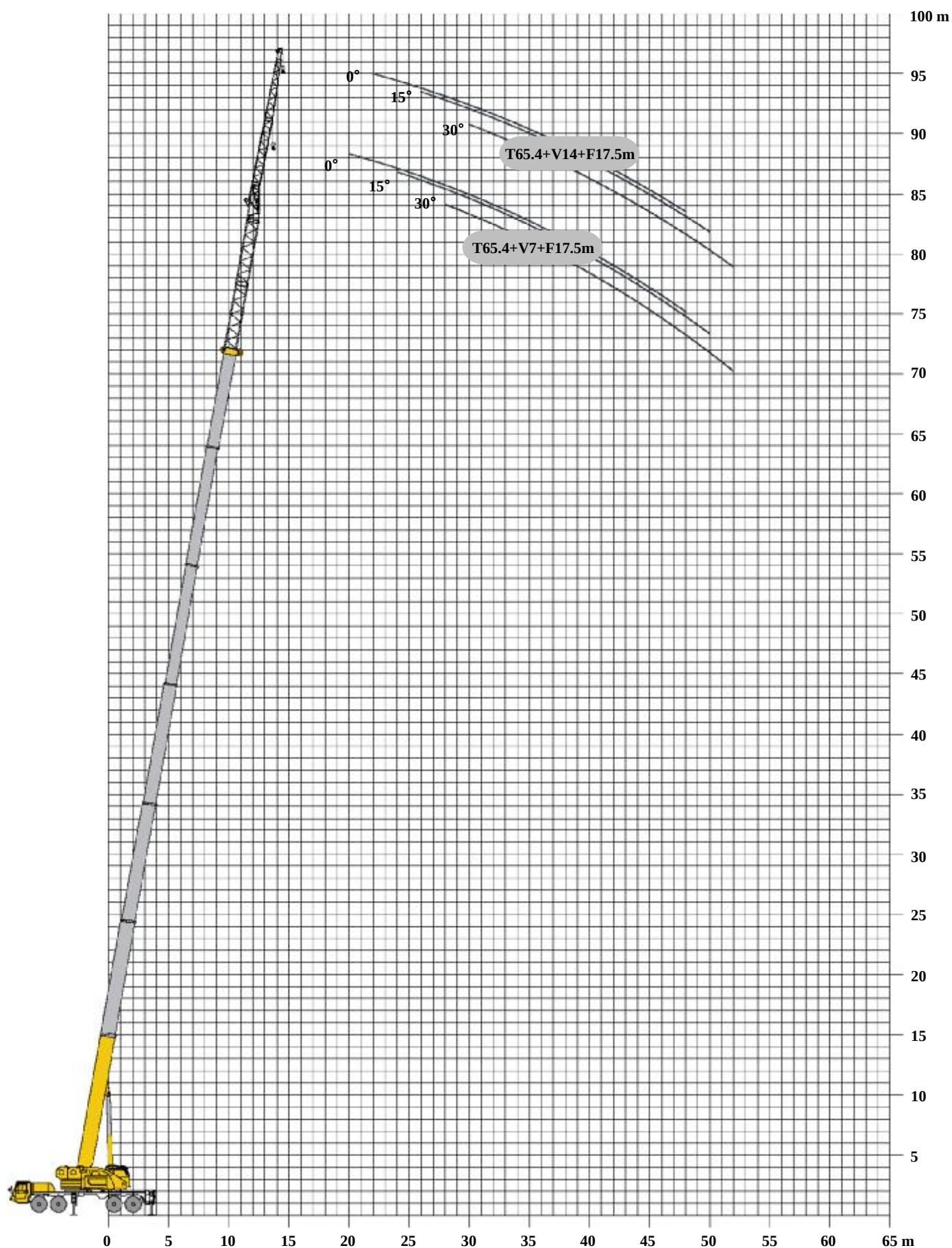


										
	56.7			61.1			65.4			
	10.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
14	7.0									14
16	7.0	6.6		6.9			5.4			16
18	7.0	6.4	5.0	6.7	6.0		5.4			18
20	7.0	6.2	4.8	6.5	5.8	4.6	5.4	5.4		20
22	6.8	5.9	4.8	6.3	5.7	4.5	5.4	5.4	4.3	22
24	6.5	5.8	4.6	6.1	5.5	4.5	5.4	5.2	4.3	24
26	6.3	5.6	4.6	5.7	5.4	4.4	5.4	5.0	4.2	26
28	5.9	5.4	4.3	5.2	5.2	4.3	4.9	4.6	4.1	28
30	5.4	5.3	4.2	4.7	4.7	4.2	4.3	4.3	4.1	30
32	4.9	4.9	4.1	4.2	4.2	4.1	3.8	3.8	3.8	32
34	4.4	4.3	4.1	3.8	3.8	3.8	3.5	3.6	3.5	34
36	3.8	3.8	3.9	3.4	3.4	3.5	3.1	3.2	3.2	36
38	3.6	3.5	3.6	3.0	3.1	3.2	2.8	2.9	2.9	38
40	3.0	3.3	3.1	2.8	2.9	2.9	2.5	2.7	2.6	40
42	2.8	3.0	2.9	2.5	2.6	2.7	2.3	2.4	2.3	42
44	2.5	2.6	2.6	2.2	2.3	2.4	2.0	2.1	2.1	44
46	2.2	2.3	2.3	2.0	2.1	2.1	1.8	1.8	1.9	46
48	1.8	2.0	2.1	1.7	1.8	1.8	1.6	1.7	1.6	48
50	1.6	1.7	1.8	1.5	1.5	1.6	1.4	1.4	1.5	50
52	1.4	1.4	1.5	1.3	1.4	1.4		1.3	1.3	52
54	1.1	1.2	1.3	1.2	1.2	1.3			1.1	54
56		1.0	1.0		1.1					56

										
	56.7			61.1			65.4			
	17.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	4.5									16
18	4.4			4.1			3.8			18
20	4.2	3.5		4.0			3.7			20
22	4.1	3.4		3.9	3.2		3.6	3.1		22
24	4.0	3.4	2.3	3.8	3.2	2.3	3.5	3.0		24
26	3.9	3.3	2.3	3.7	3.1	2.3	3.4	3.0	2.2	26
28	3.8	3.2	2.2	3.6	3.1	2.3	3.3	2.9	2.1	28
30	3.6	3.0	2.1	3.5	3.1	2.2	3.3	2.9	2.1	30
32	3.5	3.0	2.1	3.3	2.9	2.1	3.2	2.8	2.1	32
34	3.4	2.9	2.0	3.3	2.8	2.0	3.1	2.8	2.0	34
36	3.3	2.9	2.0	3.2	2.8	2.0	3.0	2.8	2.0	36
38	3.2	2.8	1.9	3.0	2.8	1.9	2.7	2.7	2.0	38
40	3.1	2.8	1.9	2.8	2.7	1.9	2.5	2.6	1.9	40
42	2.8	2.7	1.9	2.5	2.6	1.9	2.2	2.3	1.9	42
44	2.5	2.6	1.8	2.2	2.3	1.8	1.9	2.0	1.9	44
46	2.2	2.4	1.8	1.9	2.0	1.8	1.8	1.9	1.8	46
48	2.0	2.1	1.8	1.7	1.8	1.8	1.5	1.6	1.7	48
50	1.8	1.9	1.7	1.5	1.6	1.6	1.4	1.5	1.5	50
52	1.6	1.7	1.6	1.3	1.4	1.5		1.3	1.4	52
54	1.4	1.5	1.6	1.2	1.3	1.3				54
56	1.2	1.4	1.4			1.2				56
58	1.0	1.1	1.2							58

Working range diagram

Boom extension



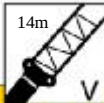
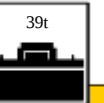
Load charts

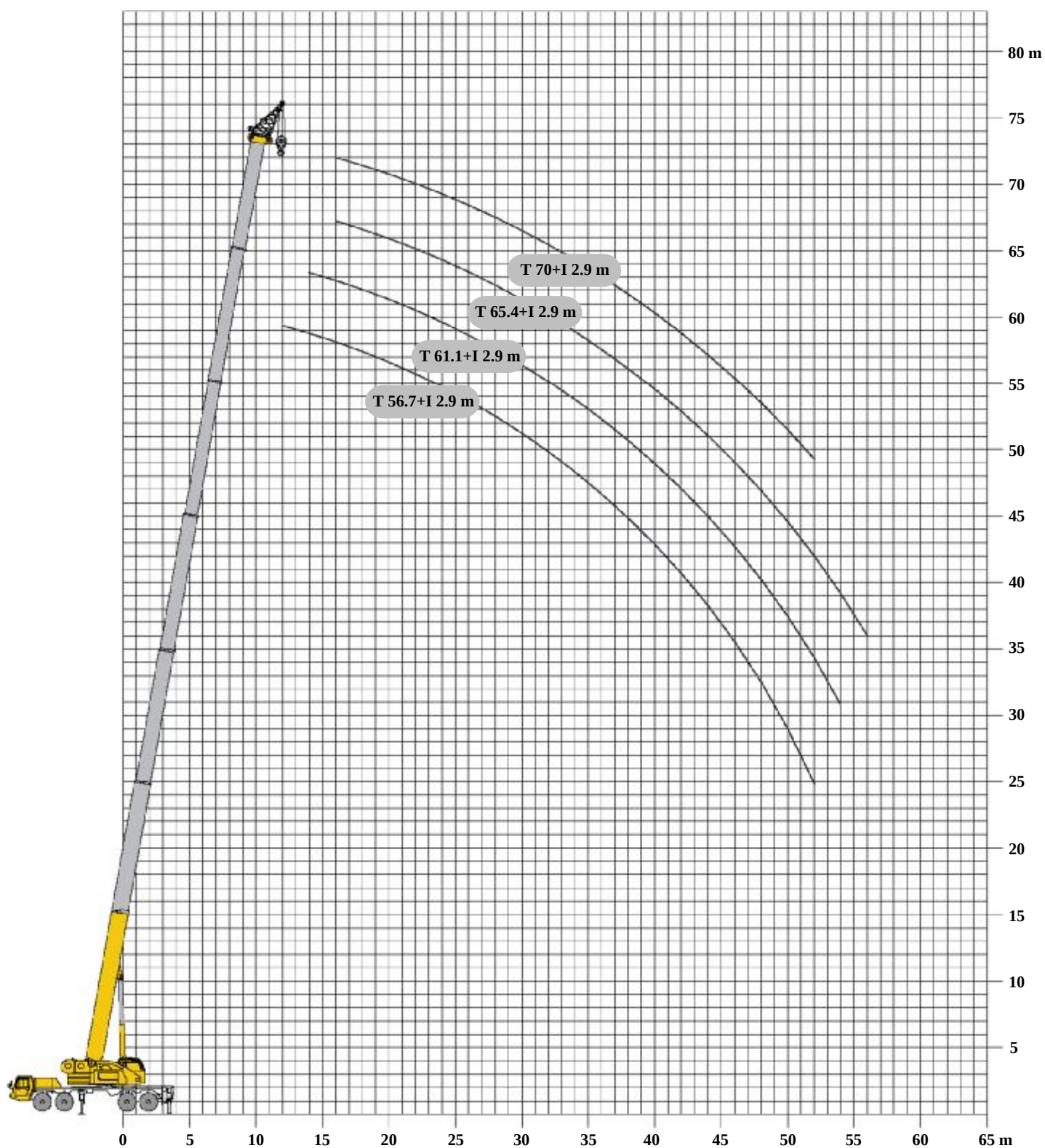
Boom extension

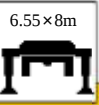
										
	56.7+7			61.1+7			65.4+7			
	17.5									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	4.1									18
20	4.1			3.7			2.8			20
22	4.0	3.3		3.7			2.8			22
24	3.9	3.2		3.6	3.1		2.8	2.8		24
26	3.8	3.2	2.3	3.6	3.0	2.2	2.8	2.8		26
28	3.7	3.1	2.3	3.6	2.9	2.1	2.8	2.8	2.1	28
30	3.6	3.1	2.2	3.4	2.9	2.1	2.9	2.6	2.1	30
32	3.6	3.0	2.1	3.3	2.8	2.1	2.7	2.6	2.0	32
34	3.5	2.9	2.1	3.1	2.8	2.0	2.4	2.6	2.0	34
36	3.4	2.9	2.0	2.9	2.7	2.0	2.2	2.6	2.0	36
38	3.0	2.8	2.0	2.6	2.7	2.0	1.9	2.4	2.0	38
40	2.7	2.8	1.9	2.3	2.3	1.9	1.8	2.1	1.9	40
42	2.5	2.5	1.9	2.1	2.1	1.9	1.5	1.9	1.9	42
44	2.2	2.3	1.8	1.8	1.9	1.9	1.4	1.7	1.8	44
46	1.9	2.0	1.8	1.5	1.6	1.8	1.1	1.5	1.6	46
48	1.7	1.7	1.8	1.3	1.5	1.5	1.0	1.3	1.4	48
50	1.5	1.6	1.7	1.2	1.2	1.4		1.1	1.2	50
52	1.3	1.4	1.5		1.1	1.2			1.1	52
54	1.1	1.2	1.3		1.0	1.0				54
56	1.0	1.1	1.1							56
58			1.0							58

Load charts

Boom extension

											
	56.7+7+7				61.1+7+7			65.4+7+7			
	17.5										
	0°	15°	30°	0°	15°	30°	0°	15°	30°		
20	3.6									20	
22	3.5			2.7			1.9			22	
24	3.5	3.0		2.7			1.9			24	
26	3.5	2.9		2.7	2.8		1.9	1.9		26	
28	3.4	2.9	2.1	2.7	2.7		1.9	1.9		28	
30	3.3	2.8	2.1	2.7	2.7	2.1	1.9	1.9	2.0	30	
32	3.1	2.8	2.1	2.8	2.6	2.1	1.9	1.9	1.9	32	
34	3.1	2.8	2.1	2.8	2.6	2.0	1.9	1.9	1.9	34	
36	3.1	2.7	2.0	2.7	2.7	2.0	1.9	2.0	1.9	36	
38	2.9	2.7	2.0	2.4	2.5	2.0	1.9	2.0	1.9	38	
40	2.6	2.6	1.9	2.1	2.2	2.0	1.8	1.9	1.9	40	
42	2.4	2.4	1.9	1.8	2.0	1.9	1.6	1.7	1.8	42	
44	2.1	2.1	1.9	1.6	1.8	1.9	1.4	1.6	1.6	44	
46	1.8	1.9	1.8	1.4	1.6	1.7	1.2	1.4	1.4	46	
48	1.6	1.7	1.7	1.3	1.4	1.5	1.0	1.2	1.3	48	
50	1.4	1.5	1.6	1.0	1.1	1.3		1.0	1.1	50	
52	1.2	1.3	1.4		1.0	1.1			1.0	52	
54	1.1	1.2	1.2							54	
56			1.0							56	



							
56.7		61.1		65.4		70	
2.9							
0°							
12	12.9					12	
14	12.9	10.0				14	
16	12.6	10.1	7.5	5.6		16	
18	11.2	10.1	7.5	5.6		18	
20	10.2	9.0	7.5	5.6		20	
22	9.2	7.9	7.2	5.6		22	
24	8.1	7.2	6.7	5.5		24	
26	7.2	6.4	6.0	5.2		26	
28	6.6	5.9	5.4	4.7		28	
30	5.8	5.4	4.9	4.3		30	
32	5.0	4.8	4.3	3.9		32	
34	4.4	4.3	4.0	3.5		34	
36	3.8	3.8	3.5	3.3		36	
38	3.4	3.5	3.2	2.9		38	
40	2.9	3.0	3.0	2.6		40	
42	2.5	2.6	2.7	2.3		42	
44	2.1	2.3	2.5	2.1		44	
46	1.8	2.0	2.2	1.8		46	
48	1.5	1.7	1.9	1.6		48	
50	1.2	1.4	1.6	1.4		50	
52	1.0	1.2	1.4	1.2		52	
54		1.0	1.1			54	
56			1.0			56	

Main technical parameters

Category	Item		Unit	Parameters
Dimensions	Dimensions (L×W×H)		mm	15155×2790×3950
	Axle spacing		mm	1500+4700+1500
	Track (front/rear)		mm	2400/2336
	Front/ rear overhang		mm	2626/2600
	Front/ rear extension		mm	2229/0
Weights	Maximum permissible total weight		kg	48000
	Axle load	Axle 1	kg	12000
		Axle 2	kg	12000
		Axle 3	kg	12000
		Axle 4	kg	12000
Power	Engine model		——	WP12G375E300
	Rated power/rpm		kW/(r/min)	276/1900
	Maximum output torque/rpm		N.m/(r/min)	1800/1000-1400
Travel	Maximum travel speed		km/h	80
	Minimum stable travel speed		km/h	2.5
	Minimum turning diameter		m	≤ 20
	Minimum turning diameter at boom head		m	≤ 26.4
	Minimum ground clearance		mm	290
	Approach angle		°	11
	Departure angle		°	12
	Braking distance (initial speed at 30 km/h)		m	≤ 10
	Maximum grade ability		%	45
	Fuel consumption per 100 km		L	45
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	130
	Minimum rated working radius			m	2.5
	Turning radius at turntable tail	At the counterweight		mm	4740
	Maximum load moment	Base boom		kN.m	3763
		Fully-extended boom		kN.m	2028
		Fully-extended boom + jib		kN.m	1628
	Outrigger span	Longitudinal		m	6.55
		Lateral		m	8
	Lifting height	Base boom		m	13.6
		Fully-extended boom		m	70
		Fully-extended boom + jib		m	95
	Boom length	Base boom		m	13
		Fully-extended boom		m	70
		Fully-extended boom + jib		m	96.9
	Jib offset angle			°	0, 15, 30
Working speeds	Time for raising boom			s	≤ 65
	Time for fully extending the boom			s	≤ 590
	Maximum slewing speed			r/min	≥ 1.8
	Time for extending / retracting the outriggers	Outrigger beams	Retracting	s	≤ 40
			Extending	s	≤ 40
		Outrigger jacks	Retracting	s	≤ 50
			Extending	s	≤ 50
	Lifting speed (Single line, no load)	Main winch system		m/min	≥ 130
Auxiliary winch system		m/min	≥ 90		
Noise	Exterior noise level			dB(A)	≤ 109
	Noise level at seated position			dB(A)	≤ 85

Description of symbols

	Superstructure		Slewing
	Rated lifting load		360° slewing
	Counterweight		360° slewing with the fifth jack down
	Slewing radius of variable-position counterweight		Side and rear slewing
	Hook block		Operation over front or over rear
	Parts of line		Chassis
	Wind speed		Outrigger span
	Wire rope length		Tires
	Wire rope diameter		Axle load
	Maximum single line pull		Grade ability
	Maximum working speed		Travel speed
	Main winch		Configuration
	Auxiliary winch		Optional equipment
	Luffing		Engine
	Telescoping		

Description of symbols

	Boom
	Boom length
	Working radius
	Lifting height with boom
	Boom angle
	Boom length combination
	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