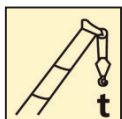
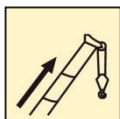


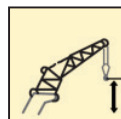
TRUCK CRANE **XCT130_Y1**



130t



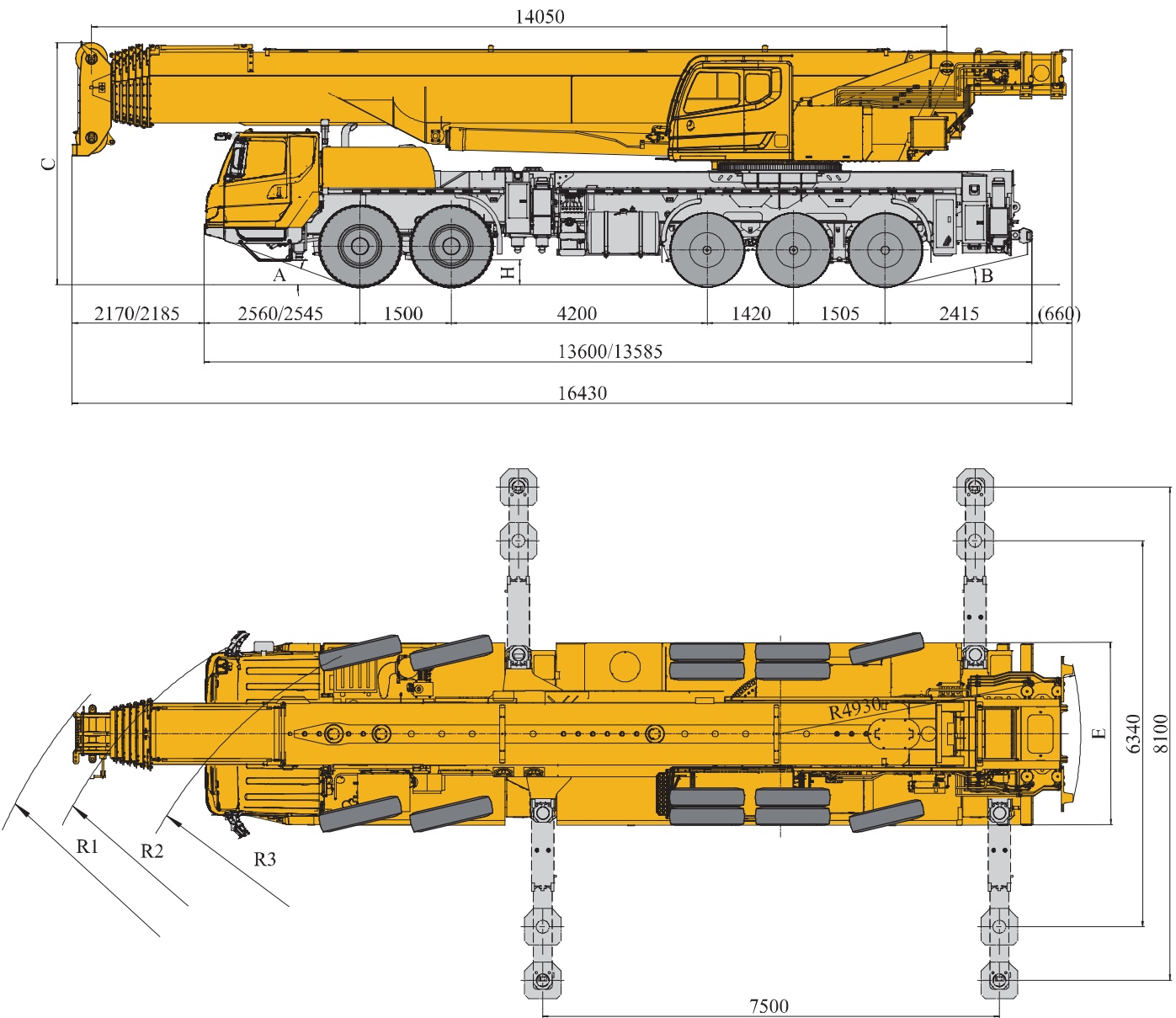
76m



102.5m

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Dimensions



	A	B	C	E	R1	R2	R3	H
Front-axle: 385/95R25 Rear-axle: 325/95R24 or 12.00R24	20°	13°	3975	3000	14800	13500	12000	310

Remark: Front extension: 2170 mm, front overhang: 2560 mm (equipped with Qixing driver's cab);
Front extension: 2185 mm, front overhang: 2545 mm (equipped with XCMG Automobile driver's cab).

Technical specifications



Chassis

Frame	Designed and manufactured by XCMG, 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 control levers. Double-stage outrigger beams are adopted. There are outrigger control levers located at each side of the chassis, and there is a level gauge, LED illuminator and speed buttons in each control panel. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic lock fitted in each jack cylinder. Float dimension: 480 mm× 615 mm Reaction force of outrigger at max. lifting load: 790 KN
Engine	WP10.5H430E62, in-line, 6-cylinder, water cooled, electric control diesel engine, made by Weichai, with rated power of 316kW/1900rpm and max. torque of 2000Nm/1000-1400rpm, compliant with China VI emission standard. Max. reference torque: 2197 N.m Fuel tank capacity: 470 L AdBlue/DEF tank capacity: 34.3 L
Transmission	Manual transmission, 10 forward speeds and 2 reverse speeds.
Axles	High strength axles, 1st, 2nd and 5th axles are for steering, and 3rd, 4th and 5th axles are for driving.
Suspension	Leaf springs are adopted for front suspensions; double trailing arm type suspensions are adopted for rear suspensions.
Tires	Double Coin/Techking tires; 14 tires and 1 spare tire, 1st, 2nd and 5th axles are equipped with single tire, 3rd and 4th axles are equipped with double-tire. Tire specifications: Front axles: 385/95R25 Rear axles: 325/95R24 or 12.00R24



Chassis

Braking system	Service brake: dual-circuit air pressure brake acting on all wheels. Parking brake: spring-loaded brake, acting on wheels of axles 2, 3, 4, and 5. Auxiliary brake: engine in-cylinder retarder brake.
Steering system	Axles 1, 2 and 5 are for steering; axles 1 and 2 are mechanically steered + hydraulic power assistance, axle 5 is steered through cylinder control, various steering modes to meet the requirements under different operation modes.
Driver's cab	New full-dimension enclosed cab, luxury and comfort. It features outstanding leak-proof, anti-corrosion and shock-proof performance. It is equipped with wide-view windshield, rear-view mirror, electric wiper-washer, electric window glass lifter, air heater with defrosting function, heater, air conditioner, radio and new material mat. A mechanical shock absorber seat is supplied for driver and a simple sleeper for co-driver. A fire extinguisher of 3 kg is available. Heater and air conditioner are equipped as a standard.
Electrical system	24 V DC, two sets of 12 V battery in series. Generator: 28 V-80 A

Technical specifications

	Superstructure
Frame	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; air-cooled hydraulic oil radiator. Effective volume of hydraulic oil tank: 815 L
Control system	The electric proportional control system is equipped with two levers at left and right sides controlling the main movements of the crane, and stepless slewing speed regulation is available.
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 balanced valve and a grooved drum equipped.
Slewing system	A single-row, four-point contact-ball external slewing bearing; the system is driven by a hydraulic motor through a planetary gear reducer with constant-closed brake equipped, and may continuously slew 360° . Power control and free slewing function as well as stepless speed regulation are available.
Luffing system	Single luffing cylinder and the luffing counterbalance valve with the load compensation function. Balance valve-controlled boom gravity combined with power for lowering boom is used for boom luffing down.
Operator's cab	Steel cab with a full-view windshield, safety glass, sliding door, adjustable seat ; it can tilt backward about 20° ; double-layer sun shield is adopted for roof window; sun shield is also equipped at the windshield and rear window; wipers, roof guardrails, pull-out step, LMI, human-machine interactive control panel, electric controlled armrest, engine accelerator pedal, engine start switch, etc. are also available. Heater, air conditioner and fire extinguisher of 2 kg are standard.

	Superstructure
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic double-way lock, LMI, lowering limiter, anti-two block, anemometer, winch monitoring device.
Combined counterweight	40t CWT in Total (39t Installed +. 1t of Auxiliary winch) as standard configuration
Hook block	60 t 7 t

	Boom and jib system
Boom	7-section boom with U cross-section, welding structure, with single-plate boom head and compact boom tail. Single-cylinder pinning telescoping system. Boom length: 14.1 m~76 m.
Jib	The jib consists of a connecting bracket, a rotating 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, 17.5 m

Version and optional equipment

Version	Function description	Selection
Standard	7-section boom of 76 m, fixed jib of 17.5 m	

Note: only the standard version is available.

Optional equipment		Selection
Hook block	100 t hook block	
	80 t hook block	
	50 t hook block	
Boom extension	Two-section lattice welded structure, attached to boom head. Two 7 m extensions.	
Independent jib head	Lattice welding structure, attached to boom head. Length of independent jib head is 2.9 m .	
Auxiliary sheave	Installed at the boom tip, used for single line operation. Its lifting performance is the same as that for boom, but the max. lifting load could not exceed 7 t.	
Auxiliary winch	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 balanced valve and a grooved drum equipped.	
Folding ladder		
Anemometer		

Weight



Axle	1	2	3	4	5	Total weight
t	10.5	10.5	12.5	12.5	8.99	54.99 ¹⁾
t	13.8	13.8	22.4	22.4	17.2	89.6 ²⁾
t	14.5	14.5	21.9	21.9	16.8	89.6 ³⁾

1) Superstructure: hook block, jib and its bracket, auxiliary sheave, counterweight, auxiliary winch, auxiliary winch rope and slings are removed.

Chassis: spare tire and its bracket, and counterweight bracket are removed.

Steer & Driving type: 10×6×6; Tire specification: front axles (385/95R25), rear axles (325/95R24 or 12.00R24)

2) Short-distance jobsite transfer I: max. travel speed of 20 km/h. 60 t hook block, jib and its bracket, auxiliary sheave, auxiliary winch, counterweight of 31 t (18 t counterweight in the rear), spare tire and its bracket, and counterweight bracket are carried on board.

Steer & Driving type: 10×6×6; Tire specification: front axles (385/95R25), rear axles (325/95R24 or 12.00R24)

3) Short-distance jobsite transfer II: max. travel speed of 20 km/h. 60 t hook block, jib and its bracket, auxiliary sheave, auxiliary winch, counterweight of 31 t (18 t counterweight in the front), spare tire and its bracket, and counterweight bracket are carried on board.

Steer & Driving type: 10×6×6; Tire specification: front axles (385/95R25), rear axles (325/95R24 or 12.00R24)



Hook block	Parts of line	Weight (kg)	Dimensions (mm)	Remarks
60 t	7	580	1500×610×590	Double hook, Standard
7 t	1	256	731×426×426	Single hook, Standard
100 t	12	1010	1841×858×610	Double hook, Optional
80 t	12	700	1735×600×529	Single hook, Optional
50 t	7	515	1586×560×380	Single hook, Optional

Working speeds



Front-axle: 385/95R25
Rear-axle: 325/95R24
or
12.00R24



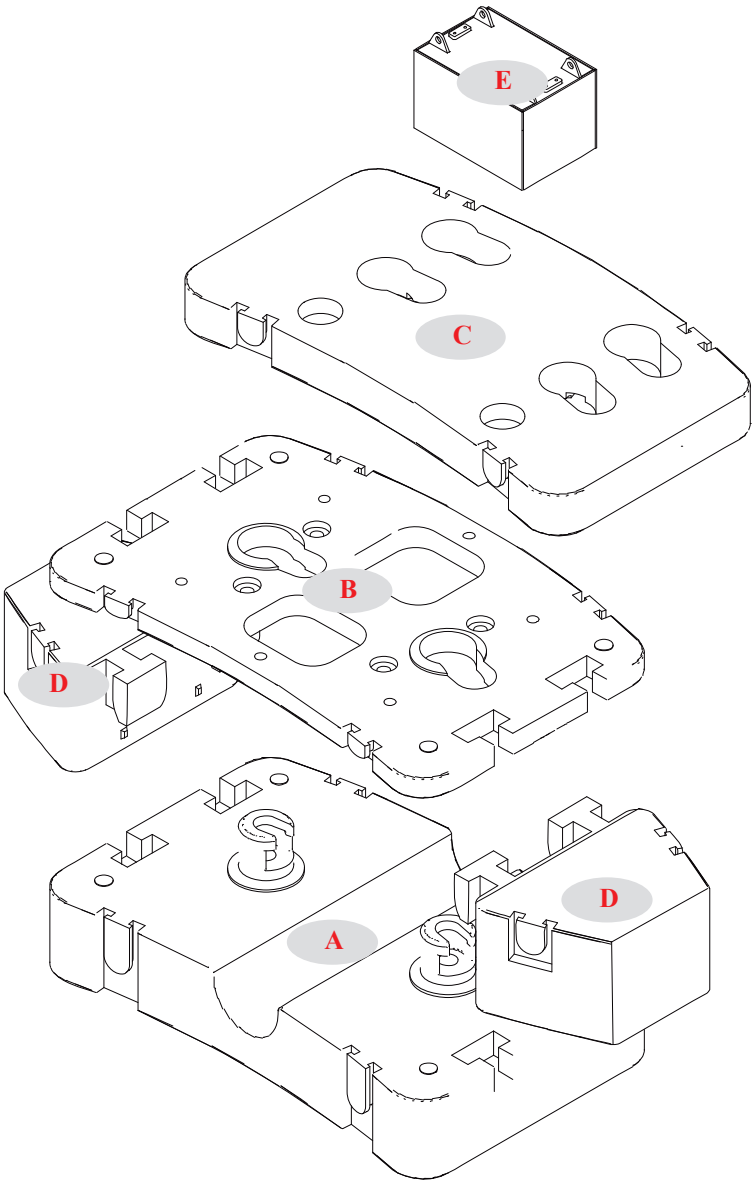
1~80



45%



Operation mechanism	Working speed	Max. single line pull	Rope diameter/ length
	0-130 m/min, single line, 4th layer	82.3 kN	20 mm/300 m
	0-90 m/min, single line, 4th layer	68.6 kN	20 mm/220 m
	0-1.5 r/min		
	Approx. 65 s for boom luffing from -1° to 81°		
	Approx. 700 s for boom extending from 14.1 m to 76 m		



Counterweight	A	B	C	D	E (Auxiliary Winch)
Dimensions (L×W×H) (mm)	2990×1979×840	2990×1979×173	2990×1757×277	1100×1307×682	833×571×618
Weight (t)	18	4	8	4.5×2	1

Counterweight

1. Counterweight at the front: counterweight slab E (1 t) is fixed, and the other counterweight slabs are at the front position.

Operation mode	40t	39t	32t	31t	30t	27t
Combinations	$A+B+C+D \times 2 + E$	$A+B+C+D \times 2$	$A+B+D \times 2 + E$	$A+B+C+E / A+B+D \times 2$	$A+B+C$	$A+C+E$

Operation mode	26t	23t	22t	19t	18t	9t	8t	1t	0t
Combinations	$A+C$	$A+B+E$	$A+B$	$A+E$	A	$C+E$	C	E	$/$

2. Counterweight in the middle position: counterweight slab E (1 t) and counterweight slab C (8 t) are fixed; the other counterweight slabs move backward.

Operation mode	40t	39t	31t	30t	27t	26t
Combinations	$A+B+C+D \times 2 + E$	$A+B+C+D \times 2$	$A+B+C+E / A+B+D \times 2$	$A+B+C$	$A+C+E$	$A+C$

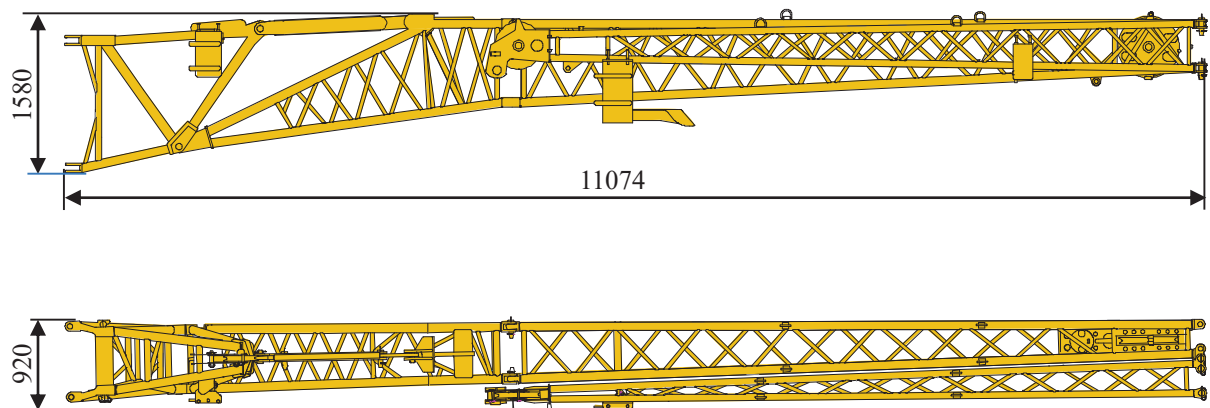
3. Counterweight at the rear: counterweight slab E (1 t) is fixed, and the other counterweight slabs move backward.

Operation mode	40t	39t	32t	31t	30t	27
Combinations	$A+B+C+D \times 2 + E$	$A+B+C+D \times 2$	$A+B+D \times 2 + E$	$A+B+C+E / A+B+D \times 2$	$A+B+C$	$A+C+E$

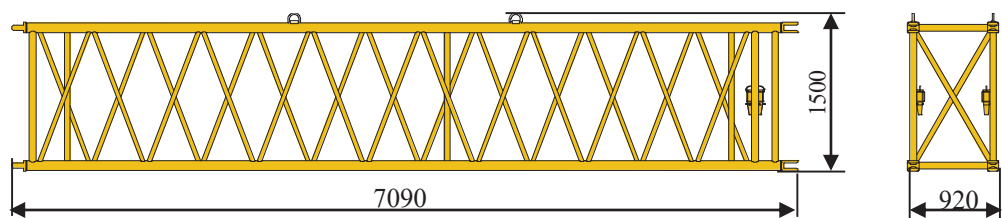
Operation mode	26t	23t	22t	19t	18t
Combinations	$A+C$	$A+B+E$	$A+B$	$A+E$	A

Dimension and weight of parts transported

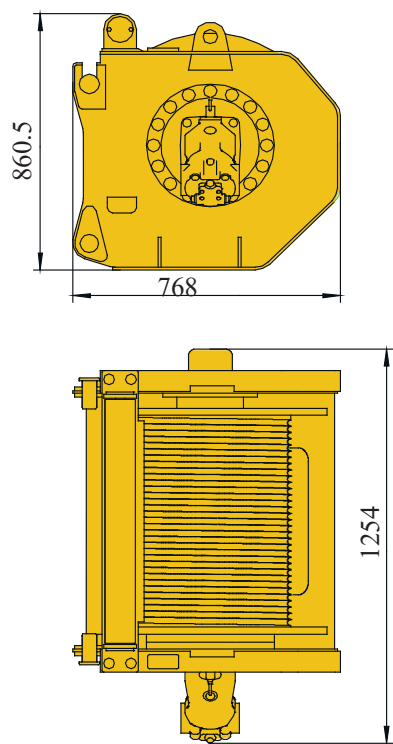
Jib and the bracket 1340kg



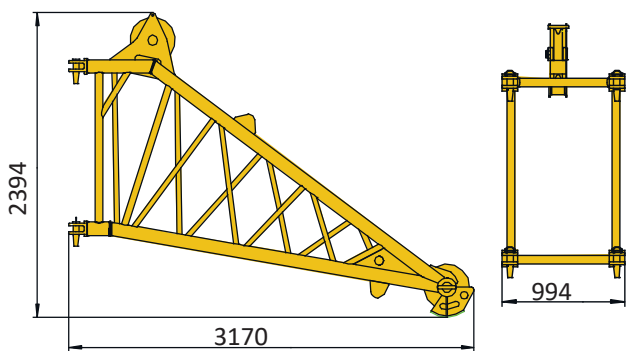
Boom extension 463kg



Auxiliary winch 1093kg

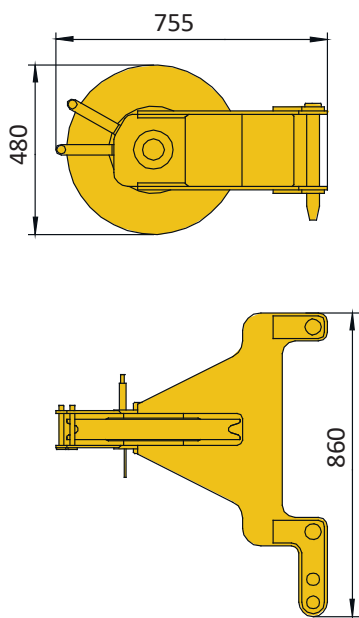


Independent jib head 453kg

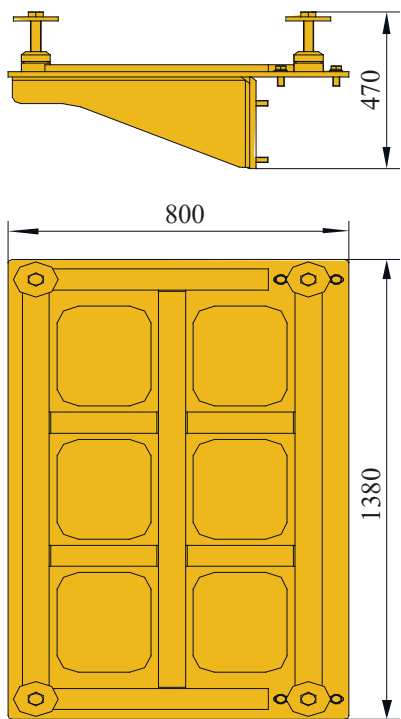


Dimension and weight of parts transported

Auxiliary sheave 95kg



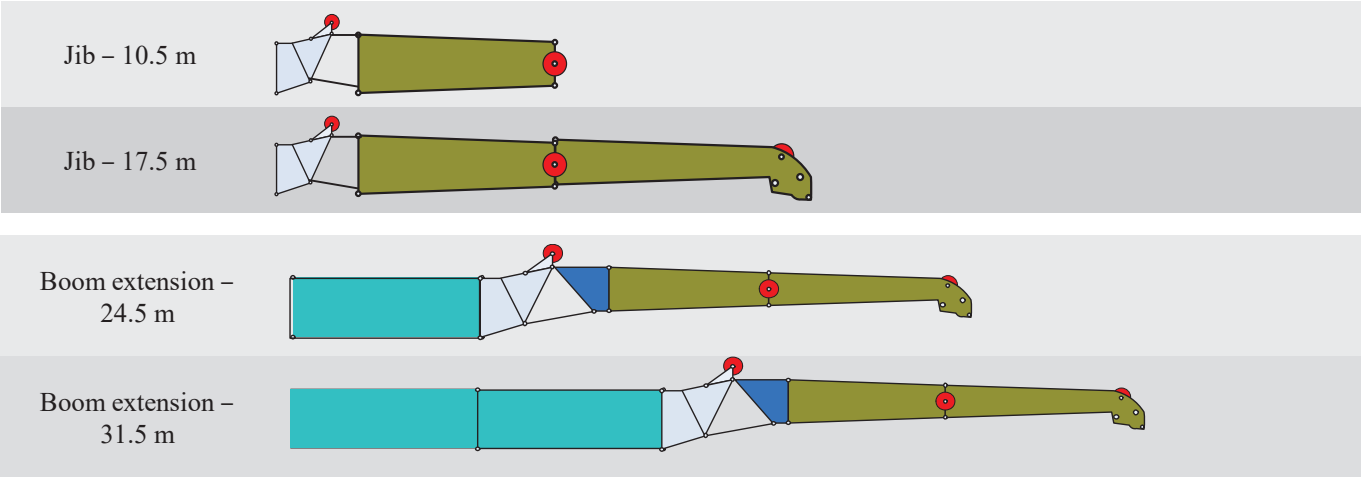
Counterweight bracket 160kg



Spare tire and its bracket 260kg

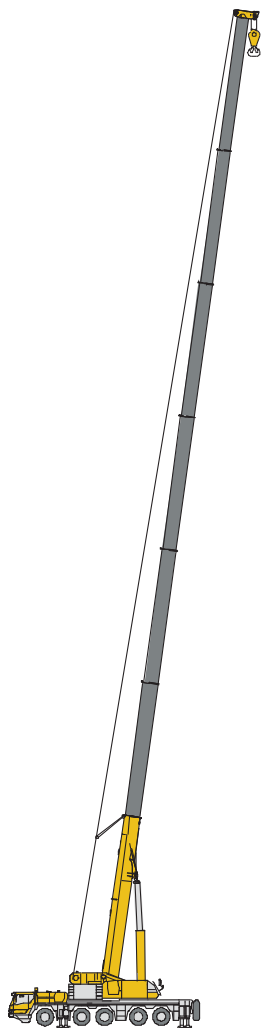


Boom / Jib combinations



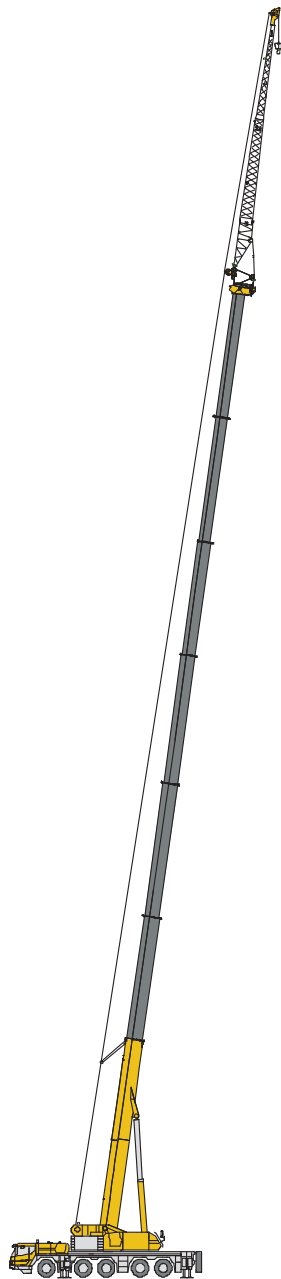
Parts	Structure	Dimensions (L×W×H) (mm)	Weight (kg)
Connecting bracket		2035×920×1580	235
Boom extension		7090×920×1500	463
1st jib section assembly		9923×1106×790	578
2nd jib section assembly		6908×608×446	265

Boom / Jib combinations



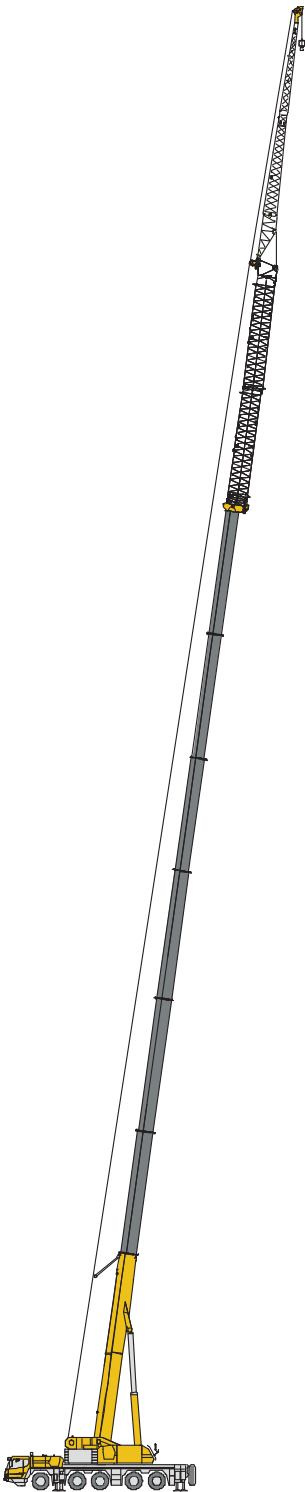
Telescopic boom

T : 14.1~76 m



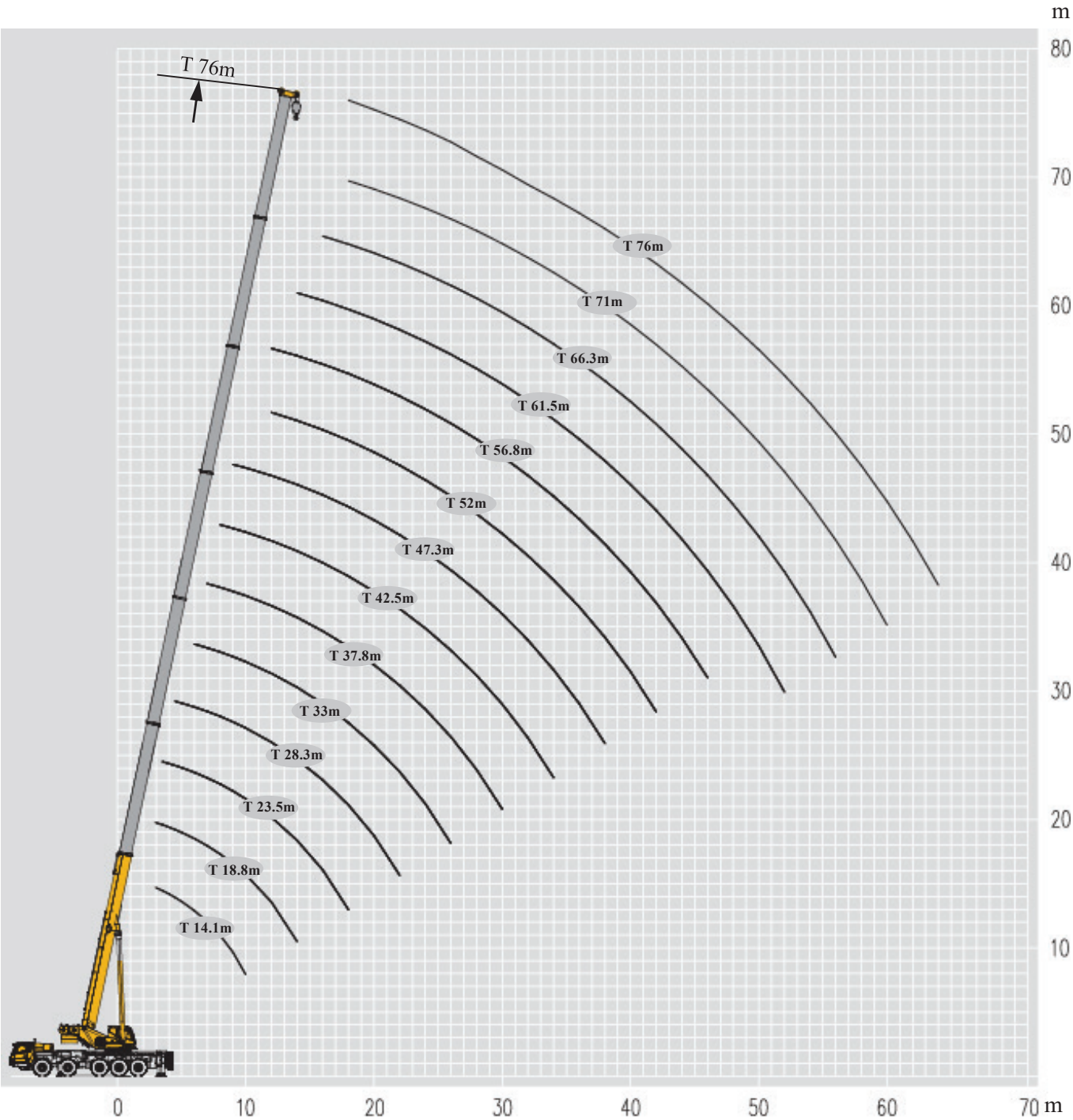
Jib

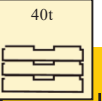
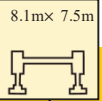
T : 61.5~71 m
J : 10.5~17.5 m

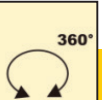
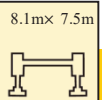
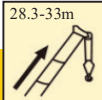


Telescopic boom extension (optional)

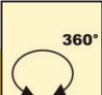
T : 61.5~71 m
I : 14 m
J : 10.5~17.5 m



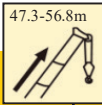
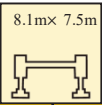
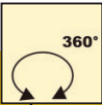
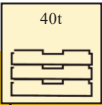
  													
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3	130.0*	61.5	85.0	85.0	85.0								3
3.5	92.0	58.5	80.0	80.0	80.0	41.9	63.1	75.0	75.0	75.0			3.5
4	88.0	55.5	75.0	75.0	75.0	38.9	61.1	71.3	71.3	70.0	38.8	39.8	4
4.5	80.0	53.1	72.5	72.5	72.5	36.9	57.1	67.0	67.0	66.0	36.8	36.7	4.5
5	75.0	50.4	69.0	69.0	69.0	34.9	55.2	63.0	63.0	62.0	34.8	34.7	5
6	66.0	46.1	65.0	64.6	64.6	31.4	51.2	58.9	58.9	58.5	32.0	32.0	6
7	57.5	42.9	57.0	57.0	57.0	28.3	47.7	53.5	53.2	53.2	28.9	29.0	7
8	49.0	39.8	49.0	49.0	49.0	25.9	44.7	48.5	48.5	48.5	26.1	26.2	8
9	43.0	36.8	43.0	43.0	43.0	24.4	41.1	42.5	42.5	42.5	24.5	24.5	9
10	38.3	34.6	38.0	38.0	38.0	22.8	37.6	38.0	38.0	38.0	22.7	23.2	10
12		31.3	31.3	31.3	31.3	20.0	31.5	31.5	31.5	31.5	20.0	19.8	12
14		26.3	26.3	26.3	26.3	17.9	27.0	27.0	27.0	27.0	17.6	17.4	14
16						15.8	23.0	23.0	23.0	23.0	15.9	15.7	16
18						14.6	20.1	20.1	20.1	20.1	14.4	14.1	18
20											13.2	13.0	20
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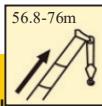
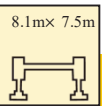
  													
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4	63.0	67.2	67.2	65.2									4
4.5	60.4	63.8	63.8	62.5									4.5
5	58.4	60.8	59.5	59.5	29.7	36.3	36.4	37.3	55.0	55.0	55.0	55.0	5
6	54.4	55.1	53.9	53.9	27.3	33.4	32.9	33.0	52.3	52.3	51.7	50.6	6
7	49.5	50.4	50.4	49.3	24.9	31.0	30.1	30.9	47.8	47.8	47.3	46.3	7
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9	42.0	42.0	42.0	42.0	21.1	26.5	25.9	25.9	41.3	41.3	40.9	40.0	9
10	38.0	38.0	38.0	38.0	19.6	24.4	23.9	23.8	38.0	38.0	38.0	36.1	10
12	31.0	31.0	31.0	31.0	17.2	22.0	20.7	20.5	31.0	31.0	31.0	31.0	12
14	27.0	27.0	27.0	27.0	15.1	19.7	18.1	18.2	26.4	26.4	26.4	26.4	14
16	23.5	23.5	23.5	23.0	13.5	17.7	16.3	16.2	23.0	23.0	23.0	22.5	16
18	20.3	20.3	20.3	18.5	12.2	16.1	14.7	14.7	20.3	20.3	19.5	18.5	18
20	17.5	17.5	17.5	16.0	11.2	14.8	13.5	13.4	18.0	18.0	16.8	15.5	20
22	15.5	15.5	15.2	13.9	10.1	13.5	12.4	12.1	15.5	15.5	14.7	13.4	22
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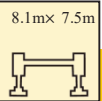
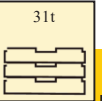
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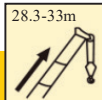
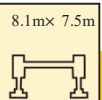
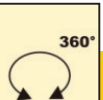
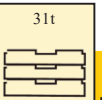
    															
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7	25.1	25.9	32.3	31.9	33.8	46.9	45.4	45.2						7	
8	23.2	23.9	30.4	29.3	31.4	43.7	42.3	40.9	21.2	24.1	24.5	27.3		8	
9	21.7	22.3	28.4	27.3	28.8	40.5	39.2	38.2	19.8	22.6	23.1	25.3		9	
10	20.3	21.0	26.4	25.5	26.3	38.1	36.9	35.1	18.6	21.5	21.6	23.7		10	
12	18.3	18.2	23.7	22.5	23.6	34.4	33.3	29.8	16.3	19.0	19.1	20.6		12	
14	16.3	16.2	21.2	19.7	20.5	30.0	28.9	27.6	14.7	16.9	16.9	18.1		14	
16	14.3	14.2	19.2	17.8	17.8	25.4	24.2	23.0	13.2	15.4	15.4	16.0		16	
18	13.2	12.8	17.4	16.2	16.1	21.7	20.5	19.3	11.6	13.8	13.8	14.4		18	
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22	10.8	10.8	14.9	13.3	13.0	16.9	15.5	14.2	9.5	11.7	11.7	11.9		22	
24	10.0	9.7	13.8	12.2	12.0	14.7	13.3	12.0	8.9	10.9	10.7	10.8		24	
26	9.3	8.9	13.0	11.2	10.9	12.8	11.5	10.2	8.2	10.2	9.7	9.8		26	
28	8.6	8.3	12.2	10.4	10.2	11.3	9.9	8.6	7.6	9.6	9.1	9.1		28	
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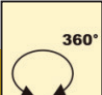
																			
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8	31.3	32.0	32.8	41.0	40.0									8					
9	29.3	30.0	30.9	37.8	36.6	19.2	23.0	23.0	25.8	26.7	30.3	30.4	9						
10	27.3	28.0	28.9	34.9	33.6	18.3	21.6	21.9	24.8	25.1	29.0	28.4	10						
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16	20.3	19.4	19.4	25.0	22.6	13.3	15.0	15.9	17.4	17.6	22.1	20.6	16						
18	18.8	17.4	17.3	21.7	20.0	12.1	13.4	14.8	15.6	15.9	20.5	18.4	18						
20	17.3	15.8	15.4	18.6	17.2	11.0	12.1	13.8	14.0	14.4	19.0	16.8	20						
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36						6.0	6.2	7.9	7.2	6.7	7.1	6.3	36						
38						5.7	5.7	7.2	6.5	5.9	6.3	5.5	38						
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9	32.6												9
10	30.7	18.2	18.0	21.3	21.9	21.4	24.0	25.8					10
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14	24.1	15.2	14.8	17.0	17.9	18.1	19.6	18.9	14.3	15.9	14.9	16.8	14
16	21.4	13.5	13.4	15.5	15.9	16.5	17.7	17.0	13.2	14.3	13.5	15.3	16
18	19.0	12.2	12.4	14.0	14.4	15.3	16.3	15.5	12.1	13.2	12.5	14.3	18
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22	15.7	10.1	10.6	11.5	12.0	13.0	13.3	12.9	10.0	10.9	10.8	11.8	22
24	13.5	9.1	9.9	10.7	11.0	12.2	12.3	11.5	9.1	9.9	10.3	11.0	24
26	11.7	8.3	9.0	9.8	9.9	11.4	11.3	10.4	8.5	9.2	9.5	9.9	26
28	10.2	7.8	8.5	9.1	9.0	10.7	10.4	9.7	7.8	8.6	9.0	9.4	28
30	8.9	7.3	8.0	8.5	8.3	10.1	9.3	8.7	7.2	7.9	8.5	8.5	30
32	7.7	6.7	7.5	7.9	7.6	9.2	8.2	7.6	6.5	7.2	7.7	7.8	32
34	6.8	6.2	6.9	7.3	7.0	8.3	7.2	6.7	6.1	6.7	7.3	7.3	34
36	5.9	5.7	6.6	6.7	6.4	7.4	6.4	5.8	5.7	6.1	7.0	6.6	36
38	5.2	5.3	6.1	6.2	5.9	6.6	5.6	5.0	5.3	5.6	6.6	5.8	38
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42		4.5	5.5	5.4	4.8	5.3	4.3	3.8	4.6	4.9	5.5	4.6	42
44									4.2	4.4	4.9	4.0	44
46									3.9	4.0	4.4	3.5	46
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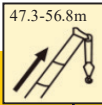
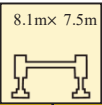
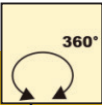
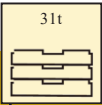
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14	18.5	14.3	14.1	14.9	15.7					14
16	16.5	13.3	13.2	13.7	14.8	12.0	12.3			16
18	15.4	12.1	12.2	12.8	13.7	11.3	11.8	9.8	7.0	18
20	14.0	11.1	11.4	11.8	12.3	10.6	11.2	9.8	7.0	20
22	12.9	10.2	10.9	10.8	11.2	9.9	10.2	9.5	7.0	22
24	11.8	9.1	10.0	10.0	10.2	9.0	9.5	8.6	7.0	24
26	10.4	8.5	9.4	9.0	9.1	8.2	8.7	7.7	6.7	26
28	9.5	8.0	8.4	8.1	8.3	7.6	7.8	7.0	6.6	28
30	8.6	7.3	7.8	7.6	7.5	6.9	7.3	6.5	6.3	30
32	7.7	6.7	7.3	7.1	7.0	6.4	6.8	5.9	5.8	32
34	6.8	6.2	6.8	6.3	6.5	5.8	6.4	5.6	5.3	34
36	5.9	5.6	6.2	5.8	6.0	5.5	5.9	5.1	4.9	36
38	5.2	5.1	5.7	5.5	5.4	5.0	5.4	4.7	4.5	38
40	4.5	4.9	5.5	5.0	4.7	4.7	5.0	4.5	4.1	40
42	3.9	4.5	5.1	4.9	4.1	4.8	4.5	4.4	3.8	42
44	3.3	4.1	4.7	4.3	3.6	4.4	3.9	3.8	3.6	44
46	2.9	3.8	4.4	3.8	3.1	4.2	3.4	3.6	3.3	46
48		3.5	4.0	3.4	2.6	3.8	3.0	3.3	3.0	48
50		3.2	3.5	3.0	2.2	3.4	2.6	2.9	2.8	50
52		3.2	3.2	2.6	1.9	3.0	2.2	2.6	2.5	52
54						2.6	1.8	2.2	2.2	54
56						2.3	1.5	1.9	1.9	56
58								1.6	1.6	58
60								1.3	1.4	60
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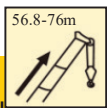
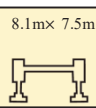
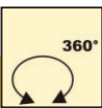
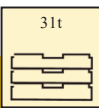
													
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3	100.0	61.5	85.0	85.0	85								3
3.5	92.0	58.5	80.0	80.0	80.0	41.9	63.1	75.0	75.0	75.0			3.5
4	88.0	55.5	75.0	75.0	75.0	38.9	61.1	71.3	71.3	70.0	38.8	39.8	4
4.5	80.0	53.1	72.5	72.5	72.5	36.9	57.1	67.0	67.0	66.0	36.8	36.7	4.5
5	75.0	50.4	69.0	69.0	69.0	34.9	55.2	63.0	63.0	62.0	34.8	34.7	5
6	66.0	46.1	65.0	64.6	64.6	31.4	51.2	58.9	58.9	58.5	32.0	32.0	6
7	57.5	42.9	57.0	57.0	57.0	28.3	47.7	53.5	53.2	53.2	28.9	29.0	7
8	49.0	39.8	49.0	49.0	49.0	25.9	44.7	48.5	48.5	48.5	26.1	26.2	8
9	43.0	36.8	43.0	43.0	43.0	24.4	41.1	42.5	42.5	42.5	24.5	24.5	9
10	38.3	34.6	38.0	38.0	38.0	22.8	37.6	38.0	38.0	38.0	22.7	23.2	10
12		31.3	31.3	31.3	31.1	20.0	31.5	31.5	31.5	31.1	20.0	19.8	12
14		25.3	24.9	24.4	23.8	17.9	26.5	25.7	24.8	23.9	17.6	17.4	14
16						15.8	21.3	20.7	19.8	18.9	15.9	15.7	16
18						14.6	17.6	17.0	16.2	15.3	14.4	14.1	18
20											13.2	13.0	20
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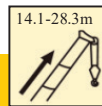
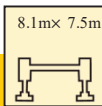
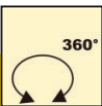
    																													
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6	54.4	55.1	53.9	53.9	27.3	33.4	32.9	33.0	52.3	52.3	51.7	50.6		6															
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22	13.1	12.2	11.2	10.0	10.1	13.5	12.4	12.1	13.1	12.0	10.7	9.5		22															
24					9.2	12.0	11.4	11.1	11.3	10.2	9.0	7.8		24															
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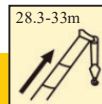
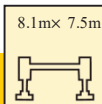
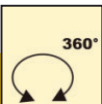
    															
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14	16.3	16.2	21.2	19.7	20.5	26.5	25.0	23.7	14.7	16.9	16.9	18.1		14	
16	14.3	14.2	19.2	17.8	17.8	21.4	20.1	18.7	13.2	15.4	15.4	16.0		16	
18	13.2	12.8	17.4	16.2	16.1	17.7	16.4	15.1	11.6	13.8	13.8	14.4		18	
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22	10.8	10.8	13.7	13.2	12.9	12.7	11.4	10.3	9.5	11.7	11.7	11.9		22	
24	10.0	9.7	11.9	11.4	11.1	11.0	9.7	8.5	8.9	10.9	10.7	10.8		24	
26	9.3	8.9	10.4	10.0	9.6	9.5	8.3	7.1	8.2	10.2	9.7	9.8		26	
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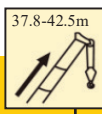
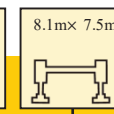
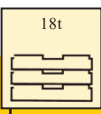
																			
	42.5 m	42.5 m	42.5 m	42.5 m	42.5 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3m						
8	31.3	32.0	32.8	41.0	40.0									8					
9	29.3	30.0	30.9	37.8	36.6	19.2	23.0	23.0	25.8	26.7	30.3	30.4	9						
10	27.3	28.0	28.9	34.9	33.6	18.3	21.6	21.9	24.8	25.1	29.0	28.4	10						
12	24.3	25.0	24.9	31.5	29.7	16.3	19.1	19.6	21.9	22.1	26.6	25.6	12						
14	22.3	22.0	21.9	25.8	24.5	14.5	16.8	17.6	19.4	19.8	24.3	23.0	14						
16	20.3	19.4	19.4	20.8	19.4	13.3	15.0	15.9	17.4	17.6	21.4	20.6	16						
18	18.4	17.4	17.3	17.2	15.8	12.1	13.4	14.8	15.6	15.9	17.7	17.0	18						
20	15.5	14.9	14.5	14.4	13.1	11.0	12.1	13.8	14.0	14.4	14.9	14.2	20						
22	13.3	12.7	12.3	12.2	10.9	10.1	10.8	12.7	12.8	12.4	12.8	12.1	22						
24	11.5	11.0	10.5	10.4	9.2	9.3	9.8	11.7	11.2	10.6	11.0	10.3	24						
26	10.1	9.5	9.1	9.0	7.7	8.7	9.1	10.4	9.7	9.2	9.5	8.8	26						
28	8.8	8.3	7.9	7.7	6.6	8.0	8.4	9.1	8.5	7.9	8.3	7.6	28						
30	7.7	7.2	6.8	6.8	5.5	7.4	7.8	8.1	7.5	6.9	7.3	6.6	30						
32	6.8	6.3	5.9	5.9	4.7	6.8	6.9	7.2	6.6	6.0	6.4	5.7	32						
34	6.1	5.6	5.2	5.0	3.9	6.5	6.2	6.4	5.8	5.2	5.6	5.0	34						
36						6.0	5.5	5.7	5.0	4.6	5.0	4.2	36						
38						5.5	4.9	5.1	4.5	4.0	4.3	3.6	38						
Code	011112	012111	021111	111111	211110	001222	002221	011122	012211	022111	111112	121111	Code						

													
	47.3 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	56.8m	56.8 m	56.8 m	56.8 m	
9	32.6												9
10	30.7	18.2	18.0	21.3	21.9	21.4	24.0	25.8					10
12	26.7	16.6	16.2	18.9	19.8	19.5	21.7	22.9	15.4	17.3	15.9	18.7	12
14	24.1	15.2	14.8	17.0	17.9	18.1	19.6	18.9	14.3	15.9	14.9	16.8	14
16	20.3	13.5	13.4	15.5	15.9	16.5	17.7	17.0	13.2	14.3	13.5	15.3	16
18	16.6	12.2	12.4	14.0	14.4	15.3	16.3	15.5	12.1	13.2	12.5	14.3	18
20	13.9	11.2	11.4	13.0	13.0	14.0	14.3	13.7	11.1	11.8	11.8	12.8	20
22	11.6	10.1	10.6	11.5	12.0	13.0	12.1	11.5	10.0	10.9	10.8	11.8	22
24	9.9	9.1	9.9	10.7	10.8	11.3	10.4	9.8	9.1	9.9	10.3	10.5	24
26	8.5	8.3	9.0	9.8	9.4	9.9	8.9	8.4	8.5	9.2	9.5	9.1	26
28	7.2	7.8	8.5	8.7	8.2	8.6	7.7	7.1	7.8	8.5	8.7	7.9	28
30	6.2	7.3	8.0	7.7	7.1	7.6	6.7	6.1	7.2	7.4	7.7	6.8	30
32	5.3	6.7	7.3	6.8	6.2	6.7	5.8	5.2	6.5	6.6	6.8	5.9	32
34	4.6	6.2	6.5	6.0	5.4	5.9	5.0	4.5	6.1	5.8	6.0	5.2	34
36	3.9	5.7	5.8	5.4	4.8	5.2	4.3	3.8	5.7	5.0	5.4	4.5	36
38	3.3	5.3	5.2	4.8	4.1	4.6	3.7	3.2	5.1	4.5	4.8	3.9	38
40		4.8	4.7	4.2	3.6	4.1	3.2	2.7	4.6	4.0	4.2	3.4	40
42		4.2	4.1	3.8	3.2	3.6	2.7	2.2	4.1	3.4	3.8	2.9	42
44									3.7	3.0	3.3	2.4	44
46									3.2	2.6	2.9	2.1	46
Code	211111	002222	011222	012221	022211	111122	122111	221111	012222	022221	111222	122211	Code

	 56.8-76m	 8.1m× 7.5m	 360°	 31t						
	56.8 m	61.5 m	61.5 m	61.5 m	61.5 m	66.3 m	66.3 m	71.0 m	76.0 m	
12	20.4									12
14	18.5	14.3	14.1	14.9	15.65625					14
16	16.5	13.3	13.2	13.7	14.8	12.0	12.25			16
18	15.4	12.1	12.2	12.8	13.7	11.3	11.8	9.8	7.0	18
20	13.9	11.1	11.4	11.8	12.3	10.6	11.2	9.8	7.0	20
22	11.6	10.2	10.9	10.8	11.2	9.9	10.2	9.5	7.0	22
24	9.9	9.1	10.0	10.0	10.2	9.0	9.5	8.6	7.0	24
26	8.5	8.5	9.4	9.0	8.7	8.2	8.7	7.7	6.7	26
28	7.3	8.0	8.4	8.1	7.5	7.6	7.8	7.0	6.6	28
30	6.2	7.3	7.7	7.1	6.5	6.9	6.8	6.5	6.3	30
32	5.3	6.7	6.8	6.3	5.6	6.4	5.9	5.9	5.8	32
34	4.6	6.1	6.0	5.5	4.8	5.8	5.1	5.5	5.3	34
36	3.9	5.4	5.3	4.8	4.1	5.1	4.4	4.8	4.9	36
38	3.3	4.8	4.7	4.2	3.5	4.6	3.9	4.1	4.2	38
40	2.8	4.2	4.1	3.7	3.0	4.1	3.3	3.6	3.7	40
42	2.3	3.8	3.7	3.2	2.5	3.5	2.8	3.2	3.2	42
44	1.9	3.3	3.2	2.8	2.1	3.2	2.4	2.7	2.8	44
46	1.4	3.0	2.9	2.3	1.7	2.7	2.0	2.3	2.3	46
48		2.6	2.5	2.0	1.4	2.3	1.6	2.0	2.0	48
50		2.3	2.2	1.7	1.0	2.1	1.4	1.6	1.7	50
52		2.0	1.9	1.4		1.7	1.0	1.4	1.4	52
54						1.4		1.1	1.1	54
56						1.2				56
Code	222111	022222	112222	122221	222211	122222	222221	222222	333333	Code

	 14.1-28.3m	 8.1m× 7.5m	 360°	 18t									
	14.1 m	18.8 m	18.8m	18.8 m	18.8 m	23.5 m	23.5m	23.5 m	23.5m	23.5 m	28.3 m	28.3m	
3	100.0	61.5	85.0	85.0	85								3
3.5	92.0	58.5	80.0	80.0	80.0	41.9	63.1	75.0	75.0	75.0			3.5
4	88.0	55.5	75.0	75.0	75.0	38.9	61.1	71.3	71.3	70.0	38.8	39.8	4
4.5	80.0	53.1	72.5	72.5	72.5	36.9	57.1	67.0	67.0	66.0	36.8	36.7	4.5
5	75.0	50.4	69.0	69.0	69.0	34.9	55.2	63.0	63.0	62.0	34.8	34.7	5
6	66.0	46.1	65.0	64.6	64.6	31.4	51.2	58.9	58.9	58.5	32.0	32.0	6
7	55.7	42.9	57.0	56.8	56.2	28.3	47.7	53.5	53.2	53.2	28.9	29.0	7
8	43.7	39.8	45.7	45.0	44.3	25.9	44.7	46.6	45.6	44.4	26.1	26.2	8
9	34.6	36.8	36.5	35.9	35.3	24.4	38.2	37.4	36.4	35.3	24.5	24.5	9
10	28.3	30.5	30.0	29.5	28.9	22.8	31.7	30.9	30.0	29.0	22.7	23.2	10
12		22.1	21.7	21.2	20.6	20.0	23.1	22.4	21.6	20.6	20.0	19.8	12
14		16.9	16.5	16.0	15.4	17.9	17.8	17.2	16.4	15.5	17.6	17.4	14
16						14.2	14.2	13.6	12.9	12.0	15.1	14.6	16
18						11.6	11.6	11.0	10.2	9.4	12.5	12.0	18
20											10.4	10.0	20
22											8.9	8.4	22
Code	000000	000001	000010	000100	001000	000002	000011	000110	001100	011000	000012	000021	Code

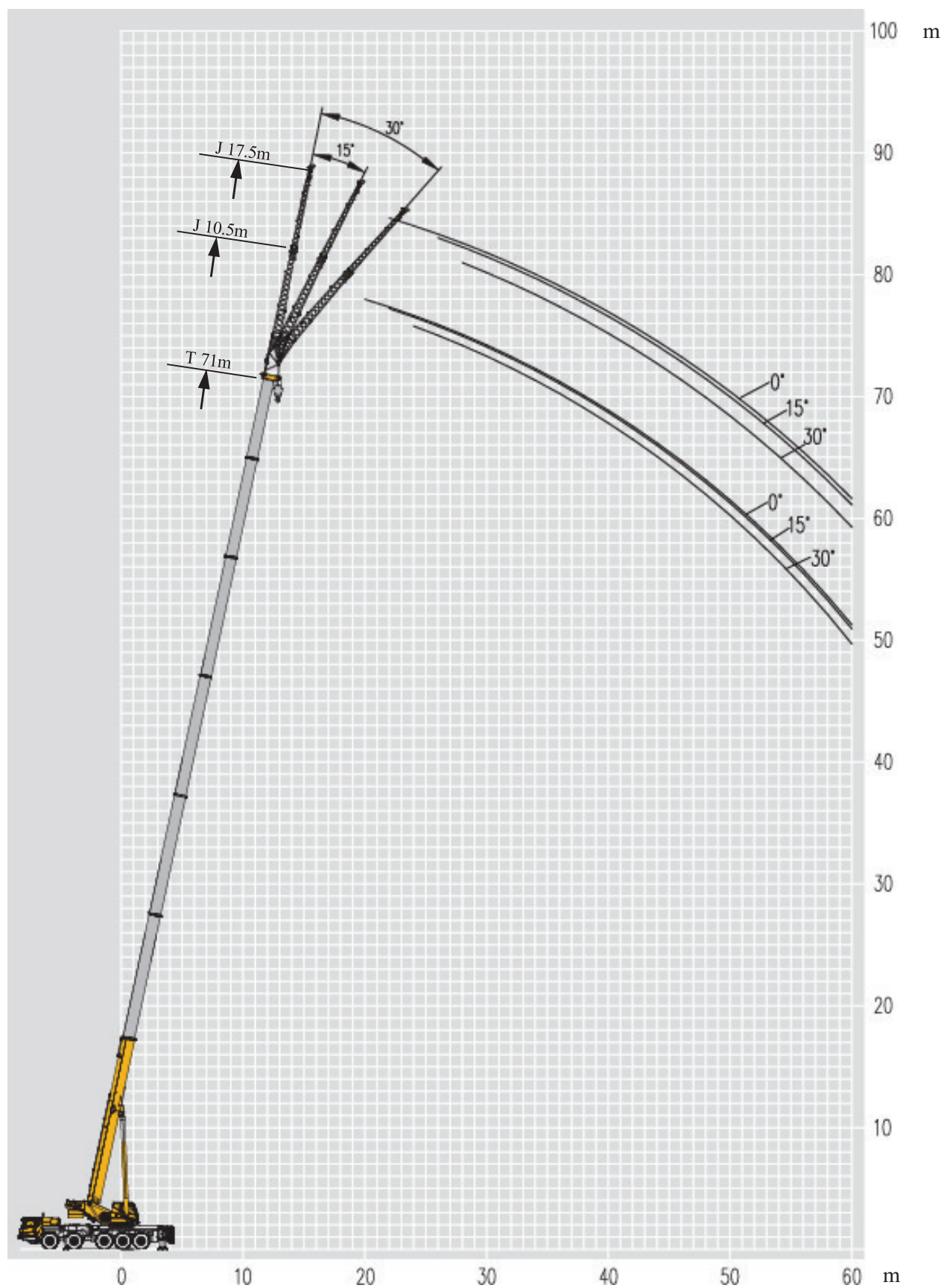
	 28.3-33m	 8.1m× 7.5m	 360°	 18t									
	28.3 m	28.3 m	28.3 m	28.3 m	33.0 m	33.0m	33.0m	33.0 m	33.0 m	33.0m	33.0 m	33.0 m	
4	63.0	67.2	67.2	65.184									4
4.5	60.4	63.8	63.8	62.496									4.5
5	58.4	60.8	59.5	59.5	29.7	36.3	36.4	37.3	55.0	55.0	55.0	55.0	5
6	54.4	55.1	53.9	53.9	27.3	33.4	32.9	33.0	52.3	52.3	51.7	50.6	6
7	49.5	50.4	50.4	49.3	24.9	31.0	30.1	30.9	47.8	47.8	47.3	46.3	7
8	45.5	46.9	45.4	43.8	22.7	28.6	27.9	27.9	44.7	44.7	43.7	42.3	8
9	38.6	37.5	36.2	34.8	21.1	26.5	25.9	25.9	38.6	37.2	35.7	34.2	9
10	32.1	31.0	29.8	28.5	19.6	24.4	23.9	23.8	32.1	30.7	29.3	27.9	10
12	23.5	22.6	21.5	20.2	17.2	22.0	20.7	20.5	23.5	22.3	21.0	19.8	12
14	18.2	17.4	16.3	15.1	15.1	19.0	18.1	18.2	18.2	17.1	15.8	14.6	14
16	14.6	13.8	12.8	11.7	13.5	15.3	15.0	14.6	14.6	13.5	12.3	11.2	16
18	11.9	11.1	10.2	9.1	12.2	12.6	12.4	12.0	11.9	10.9	9.8	8.6	18
20	9.9	9.1	8.2	7.1	10.6	10.6	10.4	10.0	9.9	9.0	7.8	6.7	20
22	8.4	7.6	6.6	5.6	9.0	9.0	8.8	8.4	8.3	7.4	6.2	5.1	22
24					7.8	7.7	7.5	7.1	7.0	6.1	5.0	3.9	24
26					6.6	6.6	6.4	6.1	5.9	5.0	3.9	2.9	26
Code	000111	001110	011100	111000	000022	000112	000121	000211	001111	011110	111100	211000	Code

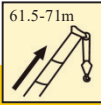
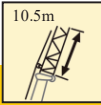
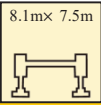
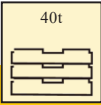
													
	37.8 m	37.8 m	37.8 m	37.8 m	37.8 m	37.8 m	37.8 m	37.8 m	42.5 m	42.5 m	42.5 m	42.5 m	
7	25.1	25.9	32.3	31.9	33.8	46.9	45.4	45.2					7
8	23.2	23.9	30.4	29.3	31.4	43.7	42.3	40.9	21.2	24.1	24.5	27.3	8
9	21.7	22.3	28.4	27.3	28.8	38.2	36.6	35.0	19.8	22.6	23.1	25.3	9
10	20.3	21.0	26.4	25.5	26.3	31.7	30.2	28.7	18.6	21.5	21.6	23.7	10
12	18.3	18.2	23.7	22.5	23.3	23.2	21.8	20.5	16.3	19.0	19.1	20.6	12
14	16.3	16.2	18.8	18.4	18.0	17.8	16.6	15.4	14.7	16.9	16.9	18.1	14
16	14.3	14.2	15.1	14.8	14.4	14.2	13.0	11.8	13.2	15.4	15.1	14.6	16
18	13.0	12.4	12.5	12.2	11.8	11.6	10.5	9.3	11.6	12.8	12.5	11.9	18
20	10.9	10.4	10.5	10.1	9.8	9.6	8.5	7.4	10.5	10.8	10.4	9.9	20
22	9.3	8.8	8.9	8.6	8.2	8.1	6.9	5.8	9.3	9.2	8.9	8.4	22
24	8.0	7.5	7.6	7.2	6.9	6.7	5.6	4.6	7.9	7.8	7.5	7.0	24
26	7.0	6.4	6.5	6.2	5.8	5.7	4.6	3.5	6.9	6.8	6.5	6.0	26
28	6.0	5.5	5.6	5.3	4.9	4.8	3.7	2.6	6.0	5.9	5.6	5.1	28
30	5.3	4.8	4.9	4.5	4.2	4.1	3.0	1.9	5.2	5.1	4.8	4.3	30
32									4.6	4.5	4.2	3.7	32
34									4.0	3.9	3.6	3.1	34
Code	000122	000221	001112	001211	002111	011111	111110	211100	000222	001122	001221	002211	Code

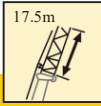
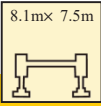
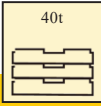
 42.5-47.3m 8.1m× 7.5m 360° 18t 													
	42.5 m	42.5 m	42.5 m	42.5 m	42.5 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	
8	31.3	32.0	32.8	41.0	40.0								8
9	29.3	30.0	30.9	37.5	35.9	19.2	23.0	23.0	25.8	26.7	30.3	30.4	9
10	27.3	28.0	28.9	31.0	29.5	18.3	21.6	21.9	24.8	25.1	29.0	28.4	10
12	23.8	23.2	22.7	22.6	21.2	16.3	19.1	19.6	21.9	22.1	23.2	22.4	12
14	18.5	17.8	17.4	17.4	16.1	14.5	16.8	17.6	18.1	17.5	17.9	17.2	14
16	14.8	14.2	13.8	13.8	12.5	13.3	15.0	15.1	14.5	13.9	14.3	13.6	16
18	12.2	11.6	11.3	11.1	9.9	12.1	12.2	12.5	11.8	11.3	11.7	11.0	18
20	10.2	9.6	9.3	9.1	8.0	10.9	10.2	10.5	9.8	9.4	9.7	9.0	20
22	8.6	8.1	7.7	7.6	6.4	9.3	8.6	8.9	8.2	7.8	8.1	7.4	22
24	7.3	6.8	6.4	6.2	5.1	7.9	7.4	7.6	7.0	6.5	6.8	6.2	24
26	6.2	5.7	5.4	5.2	4.1	6.9	6.3	6.5	5.9	5.4	5.8	5.1	26
28	5.3	4.8	4.5	4.3	3.3	6.0	5.4	5.6	5.0	4.6	4.9	4.2	28
30	4.6	4.1	3.8	3.6	2.5	5.2	4.6	4.8	4.2	3.8	4.1	3.4	30
32	3.9	3.4	3.1	3.0	1.9	4.6	4.0	4.2	3.6	3.1	3.4	2.8	32
34	3.4	2.9	2.6	2.4	1.4	4.0	3.4	3.6	3.0	2.6	2.9	2.2	34
36						3.4	3.0	3.1	2.6	2.1	2.4	1.8	36
38						3.0	2.5	2.7	2.1	1.7	2.0	1.4	38
Code	011112	012111	021111	111111	211110	001222	002221	011122	012211	022111	111112	121111	Code

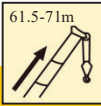
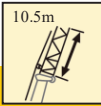
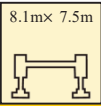
 47.3-56.8m 8.1m× 7.5m 360° 18t 													
	47.3 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	56.8m	56.8 m	56.8 m	56.8 m	
9	32.6												9
10	30.4	18.2	18.0	21.3	21.9	21.4	24.0	25.8					10
12	22.0	16.6	16.2	18.9	19.8	19.5	21.7	21.9	15.4	17.3	15.9	18.7	12
14	16.8	15.2	14.8	17.0	17.8	18.1	17.2	16.6	14.3	15.9	14.9	16.8	14
16	13.2	13.5	13.4	14.8	14.2	14.6	13.7	13.1	13.2	14.3	13.5	13.8	16
18	10.6	12.2	12.4	12.2	11.5	12.0	11.0	10.6	12.1	11.8	12.2	11.3	18
20	8.6	10.6	10.6	10.1	9.5	10.0	9.0	8.6	10.5	9.8	10.1	9.3	20
22	7.1	9.0	9.0	8.6	7.9	8.4	7.5	7.0	8.9	8.2	8.6	7.7	22
24	5.8	7.8	7.7	7.3	6.6	7.1	6.2	5.7	7.6	7.0	7.3	6.4	24
26	4.7	6.6	6.6	6.2	5.6	6.0	5.1	4.6	6.6	5.9	6.2	5.4	26
28	3.8	5.8	5.7	5.3	4.7	5.1	4.2	3.8	5.6	5.0	5.3	4.5	28
30	3.1	5.0	5.0	4.5	3.9	4.4	3.5	3.0	4.9	4.2	4.5	3.8	30
32	2.5	4.3	4.2	3.8	3.3	3.8	2.9	2.4	4.2	3.6	3.8	3.1	32
34	1.9	3.8	3.7	3.3	2.7	3.2	2.3	1.8	3.7	3.0	3.3	2.6	34
36	1.4	3.3	3.2	2.8	2.2	2.7	1.8	1.4	3.1	2.6	2.8	2.1	36
38	1.0	2.9	2.8	2.4	1.8	2.2	1.4	1.0	2.7	2.1	2.4	1.6	38
40		2.5	2.4	2.0	1.4	1.8	1.0		2.3	1.8	2.0	1.2	40
42		2.1	2.0	1.7	1.1	1.5			2.0	1.4	1.7		42
44									1.7	1.1	1.4		44
46									1.4		1.0		46
Code	211111	002222	011222	012221	022211	111122	122111	221111	012222	022221	111222	122211	Code

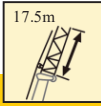
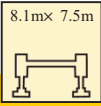
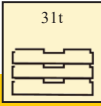
 56.8-76m 8.1m× 7.5m 360° 18t 										
	56.8 m	61.5 m	61.5 m	61.5 m	61.5 m	66.3 m	66.3 m	71.0 m	76.0 m	
12	20.4									12
14	16.8	14.3	14.1	14.9	15.7					14
16	13.2	13.3	13.2	13.7	13.4	12.0	12.3			16
18	10.6	12.1	12.1	11.5	10.9	11.3	11.2	9.8	7.0	18
20	8.6	10.2	10.1	9.6	8.9	9.9	9.2	9.5	7.0	20
22	7.1	8.6	8.5	8.0	7.3	8.4	7.6	8.0	7.0	22
24	5.8	7.3	7.2	6.7	6.0	7.0	6.3	6.6	6.7	24
26	4.8	6.2	6.2	5.6	5.0	6.0	5.3	5.6	5.7	26
28	3.9	5.4	5.2	4.7	4.1	5.1	4.4	4.7	4.8	28
30	3.1	4.6	4.5	4.0	3.4	4.3	3.7	4.0	4.0	30
32	2.5	3.9	3.8	3.4	2.7	3.7	3.0	3.4	3.4	32
34	2.0	3.4	3.3	2.8	2.2	3.1	2.5	2.8	2.8	34
36	1.5	2.9	2.8	2.3	1.7	2.6	2.0	2.3	2.3	36
38	1.0	2.4	2.3	1.8	1.3	2.2	1.5	1.8	1.9	38
40		2.1	2.0	1.5		1.8	1.2	1.4	1.5	40
42		1.7	1.6	1.1		1.4		1.1	1.2	42
44		1.4	1.3			1.2				44
46		1.1	1.0							46
Code	222111	022222	112222	122221	222211	122222	222221	222222	333333	Code

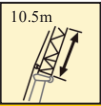
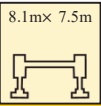
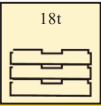


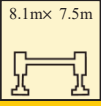
    										
	61.5 m			66.3 m			71 m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	7.0									16
18	7.0	6.5		6.6						18
20	7.0	6.3	4.8	6.4	5.9		5.6			20
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1		22
24	6.6	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	6.4	5.6	4.6	5.9	5.4	4.4	5.4	5.1	4.2	26
28	6.2	5.6	4.4	5.7	5.3	4.4	5.3	5.0	4.1	28
30	5.9	5.4	4.3	5.5	5.2	4.3	5.2	4.9	4.1	30
32	5.7	5.3	4.2	5.3	5.0	4.2	4.8	4.7	4.0	32
34	5.4	5.2	4.1	4.8	4.8	4.0	4.3	4.5	4.0	34
36	4.8	4.8	4.0	4.2	4.3	4.0	4.0	3.9	3.9	36
38	4.3	4.3	4.0	3.9	4.0	3.9	3.5	3.7	3.7	38
40	4.0	4.1	3.8	3.6	3.5	3.7	3.3	3.4	3.4	40
42	3.6	3.7	3.7	3.1	3.2	3.4	3.0	3.0	3.1	42
44	3.3	3.3	3.5	2.8	2.9	2.9	2.7	2.8	2.9	44
46	3.0	3.0	3.2	2.5	2.7	2.6	2.5	2.5	2.6	46
48	2.7	2.7	2.9	2.3	2.4	2.4	2.2	2.2	2.3	48
50	2.3	2.4	2.6	2.0	2.1	2.2	1.9	2.0	2.0	50
52	2.0	2.2	2.3	1.9	1.9	1.9	1.7	1.8	1.8	52
54	1.7	1.8	1.9	1.6	1.7	1.8	1.5	1.6	1.7	54
56	1.4	1.5	1.6	1.4	1.5	1.6	1.5	1.4	1.4	56
58	1.2	1.3	1.3	1.3	1.3	1.3				58
60		1.0	1.0		1.1	1.2				60
Code	222211			222221			222222			Code

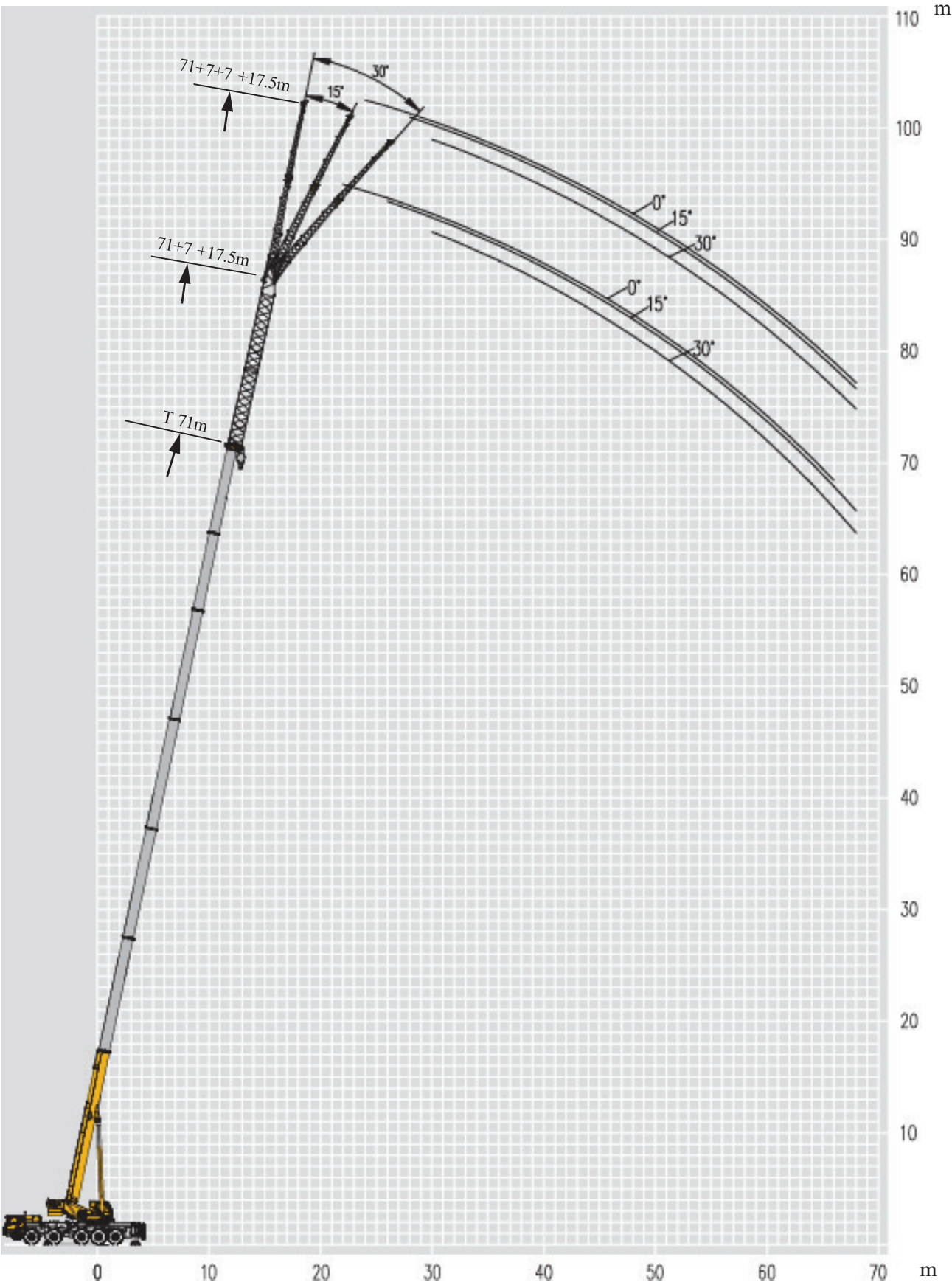
    										
	61.5 m			66.3 m			71 m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	4.4									18
20	4.3			4.0						20
22	4.2	3.4		3.9	3.3		3.6			22
24	4.1	3.3		3.8	3.2	2.3	3.5			24
26	3.9	3.3	2.3	3.7	3.1	2.3	3.4	2.9		26
28	3.8	3.2	2.3	3.6	3.1	2.2	3.3	2.9		28
30	3.7	3.1	2.1	3.5	3.0	2.1	3.2	2.8	2.1	30
32	3.6	3.0	2.1	3.4	2.9	2.1	3.2	2.8	2.0	32
34	3.5	3.0	2.0	3.3	2.9	2.1	3.1	2.7	2.0	34
36	3.4	2.9	2.0	3.2	2.8	2.0	3.1	2.7	2.0	36
38	3.3	2.9	1.9	3.2	2.8	2.0	3.0	2.7	2.0	38
40	3.1	2.8	1.9	3.1	2.7	1.9	2.9	2.6	2.0	40
42	3.1	2.8	1.9	3.0	2.7	1.9	2.9	2.6	1.9	42
44	3.0	2.7	1.8	2.8	2.7	1.9	2.7	2.6	1.9	44
46	2.9	2.6	1.8	2.6	2.6	1.8	2.4	2.4	1.9	46
48	2.7	2.6	1.8	2.3	2.4	1.8	2.1	2.1	1.8	48
50	2.4	2.5	1.8	2.1	2.1	1.8	2.0	2.0	1.8	50
52	2.1	2.3	1.7	1.9	1.9	1.8	1.7	1.9	1.8	52
54	2.1	2.0	1.7	1.7	1.7	1.6	1.6	1.6	1.7	54
56	1.8	1.8	1.7	1.4	1.7	1.6		1.5	1.6	56
58	1.5	1.7	1.6		1.4	1.5				58
60	1.3	1.4	1.6			1.3				60
Code	222211			222221			222222			Code

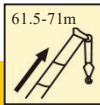
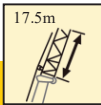
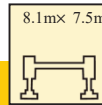
    										
	61.5 m			66.3 m			71 m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	7.0									16
18	7.0	6.5		6.6						18
20	7.0	6.3	4.8	6.4	5.9		5.6			20
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1		22
24	6.6	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	6.4	5.6	4.6	5.9	5.4	4.4	5.4	5.1	4.2	26
28	6.2	5.6	4.4	5.7	5.3	4.4	5.3	5.0	4.1	28
30	5.8	5.4	4.3	5.5	5.2	4.3	5.2	4.9	4.1	30
32	5.0	5.3	4.2	5.3	5.0	4.2	4.8	4.7	4.0	32
34	4.4	4.7	4.1	4.6	4.8	4.0	4.3	4.5	4.0	34
36	3.8	4.1	4.0	4.0	4.2	4.0	4.0	3.9	3.9	36
38	3.3	3.6	3.8	3.4	3.8	3.9	3.5	3.7	3.7	38
40	2.9	3.1	3.3	3.0	3.3	3.4	3.2	3.4	3.4	40
42	2.5	2.6	2.8	2.6	2.8	3.0	2.8	3.0	3.1	42
44	2.1	2.2	2.4	2.2	2.4	2.6	2.4	2.6	2.8	44
46	1.8	1.9	2.1	1.9	2.1	2.2	2.1	2.2	2.4	46
48	1.4	1.6	1.7	1.6	1.8	1.9	1.8	1.9	2.1	48
50	1.1	1.3	1.4	1.3	1.4	1.6	1.5	1.7	1.8	50
52		1.0	1.1	1.0	1.2	1.3	1.3	1.4	1.5	52
54					1.0	1.0	1.0	1.1	1.3	54
56									1.0	56
Code	222211			222221			222222			Code

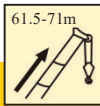
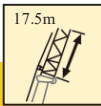
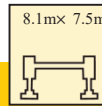
    										
	61.5 m			66.3 m			71 m			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	4.4									18
20	4.3			4.0						20
22	4.2	3.4		3.9			3.6			22
24	4.1	3.3		3.8	3.2		3.5			24
26	3.9	3.3		3.7	3.1		3.4	2.9		26
28	3.8	3.2	2.3	3.6	3.1	2.2	3.3	2.9		28
30	3.7	3.1	2.1	3.5	3.0	2.1	3.2	2.8	2.1	30
32	3.6	3.0	2.1	3.4	2.9	2.1	3.2	2.8	2.0	32
34	3.5	3.0	2.0	3.3	2.9	2.1	3.1	2.7	2.0	34
36	3.4	2.9	2.0	3.2	2.8	2.0	3.1	2.7	2.0	36
38	3.3	2.9	1.9	3.2	2.8	2.0	3.0	2.7	2.0	38
40	3.1	2.8	1.9	3.1	2.7	1.9	2.9	2.6	2.0	40
42	2.8	2.8	1.9	2.9	2.7	1.9	2.9	2.6	1.9	42
44	2.4	2.7	1.8	2.6	2.7	1.9	2.7	2.6	1.9	44
46	2.1	2.4	1.8	2.2	2.6	1.8	2.3	2.4	1.9	46
48	1.8	2.1	1.8	1.9	2.2	1.8	2.1	2.1	1.8	48
50	1.5	1.8	1.8	1.6	1.9	1.8	1.8	2.0	1.8	50
52	1.2	1.5	1.7	1.4	1.6	1.8	1.5	1.8	1.8	52
54	1.0	1.2	1.4	1.1	1.4	1.5	1.3	1.5	1.7	54
56		1.0	1.1		1.1	1.3		1.3	1.4	56
58						1.0			1.2	58
Code	222211			222221			222222			Code

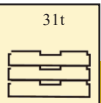
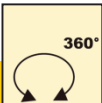
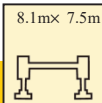
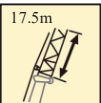
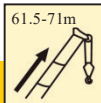
      										
61.5 m			66.3 m			71 m				
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	7.0									16
18	7.0	6.5		6.6						18
20	7.0	6.3	4.8	6.4	5.9		5.6			20
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1		22
24	6.1	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	5.0	5.5	4.6	5.2	5.4	4.4	5.4	5.1	4.2	26
28	4.2	4.6	4.4	4.3	4.8	4.4	4.6	5.0	4.1	28
30	3.4	3.8	4.2	3.6	4.0	4.3	3.8	4.2	4.1	30
32	2.9	3.2	3.4	3.0	3.4	3.7	3.2	3.6	3.8	32
34	2.3	2.6	2.9	2.5	2.8	3.0	2.7	3.0	3.3	34
36	1.8	2.2	2.4	2.0	2.3	2.6	2.2	2.5	2.7	36
38	1.4	1.7	1.9	1.6	1.8	2.1	1.8	2.1	2.3	38
40	1.1	1.4	1.5	1.3	1.5	1.7	1.4	1.7	1.9	40
42		1.0	1.1		1.1	1.3	1.1	1.4	1.5	42
44						1.0		1.0	1.2	44
Code	222211			222221			222222			Code

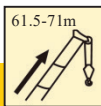
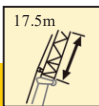
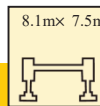
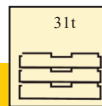
      										
61.5 m			66.3 m			71 m				
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	4.4									18
20	4.3			4.0						20
22	4.2	3.4		3.9			3.6			22
24	4.1	3.3		3.8	3.2		3.5			24
26	3.9	3.3	2.3	3.7	3.1		3.4	2.9		26
28	3.8	3.2	2.3	3.6	3.1	2.2	3.3	2.9		28
30	3.7	3.1	2.1	3.5	3.0	2.1	3.2	2.8	2.1	30
32	3.3	3.0	2.1	3.4	2.9	2.1	3.2	2.8	2.0	32
34	2.7	3.0	2.0	2.8	2.9	2.1	3.0	2.7	2.0	34
36	2.2	2.7	2.0	2.3	2.8	2.0	2.6	2.7	2.0	36
38	1.8	2.2	1.9	1.9	2.4	2.0	2.1	2.6	2.0	38
40	1.4	1.8	1.9	1.6	2.0	1.9	1.8	2.2	2.0	40
42	1.1	1.5	1.8	1.2	1.6	1.9	1.4	1.8	1.9	42
44		1.2	1.4	1.0	1.3	1.6	1.1	1.4	1.8	44
46			1.1		1.0	1.3		1.2	1.4	46
48						1.0			1.1	48
Code	222211			222221			222222			Code

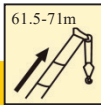
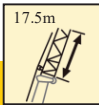
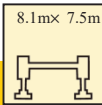


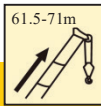
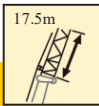
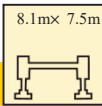
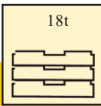
    										
	61.5+7 m			66.3+7 m			71+7 m			
	17.5 m									
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20	4.1									20
22	4.0			3.6						22
24	3.9	3.2		3.5			3.1			24
26	3.9	3.2		3.5	2.9		3.1			26
28	3.8	3.1	2.3	3.4	2.9		3.1	2.8		28
30	3.7	3.0	2.2	3.4	2.8	2.1	3.1	2.7		30
32	3.7	2.9	2.1	3.4	2.8	2.1	3.0	2.7	2.0	32
34	3.6	2.9	2.1	3.4	2.8	2.1	3.0	2.6	2.0	34
36	3.5	2.8	2.0	3.3	2.8	2.0	3.0	2.6	2.0	36
38	3.4	2.8	2.0	3.2	2.7	2.0	3.0	2.6	1.9	38
40	3.3	2.8	2.0	3.2	2.7	2.0	2.9	2.5	1.9	40
42	3.2	2.7	1.9	3.0	2.7	1.9	2.6	2.5	1.9	42
44	3.0	2.7	1.9	2.7	2.6	1.9	2.3	2.4	1.9	44
46	2.8	2.7	1.9	2.4	2.4	1.9	2.0	2.3	1.9	46
48	2.5	2.6	1.8	2.1	2.2	1.8	1.9	2.0	1.8	48
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52	2.0	2.2	1.8	1.7	1.8	1.8	1.5	1.6	1.7	52
54	1.8	1.9	1.8	1.5	1.5	1.7	1.3	1.4	1.6	54
56	1.6	1.7	1.7	1.2	1.4	1.5	1.2	1.2	1.3	56
58	1.4	1.5	1.5	1.1	1.2	1.3		1.0	1.1	58
60	1.3	1.3	1.5	1.0	1.1	1.1			1.0	60
Code	222211			222221			222222			Code

    										
61.5+14 m				66.3+14 m			71+14 m			
17.5 m										
0°	15°	30°	0°	15°	30°	0°	15°	30°		
20	3.6									20
22	3.5			3.1						22
24	3.4	3.0		3.1			2.0			24
26	3.4	2.9		3.1	2.8		2.0			26
28	3.4	2.9	2.2	3.0	2.8		2.0	2.0		28
30	3.4	2.8	2.1	3.0	2.7	2.0	2.0	2.0		30
32	3.3	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	32
34	3.2	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	34
36	3.2	2.8	2.1	2.9	2.6	2.0	2.0	2.0	1.9	36
38	3.1	2.7	2.0	2.8	2.6	2.0	2.0	2.0	1.9	38
40	3.0	2.7	2.0	2.8	2.5	2.0	2.0	2.0	1.8	40
42	2.9	2.6	1.9	2.7	2.4	1.9	2.0	2.0	1.8	42
44	2.7	2.6	1.9	2.4	2.4	1.9	2.0	2.0	1.8	44
46	2.4	2.6	1.9	2.1	2.2	1.9	1.7	2.0	1.8	46
48	2.2	2.4	1.9	1.8	2.0	1.9	1.6	1.7	1.8	48
50	1.9	2.1	1.8	1.6	1.8	1.8	1.5	1.6	1.6	50
52	1.8	1.9	1.8	1.5	1.5	1.7	1.2	1.3	1.4	52
54	1.6	1.8	1.8	1.2	1.4	1.5	1.1	1.2	1.3	54
56	1.4	1.6	1.6	1.1	1.2	1.3		1.1	1.2	56
58	1.3	1.4	1.5		1.1	1.2			1.0	58
60	1.0	1.2	1.2			1.0				60
Code	222211			222221			222222			Code

 											
61.5+7 m				66.3+7 m				71+7 m			
17.5 m											
	0°	15°	30°	0°	15°	30°	0°	15°	30°		
20	4.1									20	
22	4.0			3.6						22	
24	3.9	3.2		3.5			3.1			24	
26	3.9	3.2		3.5	2.9		3.1			26	
28	3.8	3.1	2.3	3.4	2.9		3.1	2.8		28	
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32	3.7	2.9	2.1	3.4	2.8	2.1	3.0	2.7	2.0	32	
34	3.6	2.9	2.1	3.4	2.8	2.1	3.0	2.6	2.0	34	
36	3.5	2.8	2.0	3.3	2.8	2.0	3.0	2.6	2.0	36	
38	3.4	2.8	2.0	3.2	2.7	2.0	3.0	2.6	1.9	38	
40	3.3	2.8	2.0	3.2	2.7	2.0	2.9	2.5	1.9	40	
42	3.0	2.7	1.9	3.0	2.7	1.9	2.6	2.5	1.9	42	
44	2.6	2.7	1.9	2.6	2.6	1.9	2.3	2.4	1.9	44	
46	2.2	2.6	1.9	2.3	2.4	1.9	2.0	2.3	1.9	46	
48	1.9	2.2	1.8	2.0	2.2	1.8	1.9	2.0	1.8	48	
50	1.6	1.9	1.8	1.7	2.0	1.8	1.8	1.7	1.8	50	
52	1.4	1.7	1.8	1.4	1.8	1.8	1.5	1.6	1.7	52	
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60						1.0			1.0	60	
Code	222211			222221			222222			Code	

    										
61.5+14 m			66.3+14 m				71+14 m			
17.5 m										
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20	3.6									20
22	3.5			3.1						22
24	3.4	3.0		3.1			2.0			24
26	3.4	2.9		3.1	2.8		2.0			26
28	3.4	2.9	2.2	3.0	2.8		2.0	2.0		28
30	3.4	2.8	2.1	3.0	2.7	2.0	2.0	2.0		30
32	3.3	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	32
34	3.2	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	34
36	3.2	2.8	2.1	2.9	2.6	2.0	2.0	2.0	1.9	36
38	3.1	2.7	2.0	2.8	2.6	2.0	2.0	2.0	1.9	38
40	3.0	2.7	2.0	2.8	2.5	2.0	2.0	2.0	1.8	40
42	2.9	2.6	1.9	2.7	2.4	1.9	2.0	2.0	1.8	42
44	2.6	2.6	1.9	2.4	2.4	1.9	2.0	2.0	1.8	44
46	2.3	2.6	1.9	2.1	2.2	1.9	1.7	2.0	1.8	46
48	2.0	2.3	1.9	1.8	2.0	1.9	1.6	1.7	1.8	48
50	1.8	2.0	1.8	1.6	1.8	1.8	1.5	1.6	1.6	50
52	1.4	1.8	1.8	1.5	1.5	1.7	1.2	1.3	1.4	52
54	1.2	1.5	1.7	1.2	1.4	1.5	1.1	1.2	1.3	54
56	1.0	1.3	1.4	1.0	1.2	1.3		1.1	1.2	56
58		1.0	1.2		1.1	1.2			1.0	58
60			1.0			1.0				60
Code	222211			222221			222222			Code

      										
61.5+7 m			66.3+7 m				71+7 m			
17.5 m										
0°	15°	30°	0°	15°	30°	0°	15°	30°		
20	4.1								20	
22	4.0			3.6					22	
24	3.9	3.2		3.5			3.1		24	
26	3.9	3.2		3.5	2.9		3.1		26	
28	3.8	3.1	2.3	3.4	2.9		3.1	2.8	28	
30	3.7	3.0	2.2	3.4	2.8	2.1	3.1	2.7	30	
32	3.4	2.9	2.1	3.4	2.8	2.1	3.0	2.7	2.0	32
34	2.9	2.9	2.1	3.0	2.8	2.1	3.0	2.6	2.0	34
36	2.4	2.8	2.0	2.5	2.8	2.0	2.6	2.6	2.0	36
38	2.0	2.5	2.0	2.1	2.6	2.0	2.2	2.6	1.9	38
40	1.6	2.0	2.0	1.7	2.2	2.0	1.8	2.2	1.9	40
42	1.3	1.7	1.9	1.4	1.8	1.9	1.5	1.9	1.9	42
44	1.0	1.4	1.7	1.0	1.4	1.8	1.2	1.5	1.8	44
46		1.0	1.4		1.1	1.4		1.3	1.5	46
48			1.0			1.1		1.0	1.3	48
50									1.0	50
Code	222211			222221			222222			Code

	     									
	61.5+14 m			66.3+14 m			71+14 m			
	17.5 m									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20	3.6									
22	3.5			3.1						
24	3.4	3.0		3.1			2.0			
26	3.4	2.9		3.1	2.8		2.0			
28	3.4	2.9	2.2	3.0	2.8		2.0	2.0		
30	3.4	2.8	2.1	3.0	2.7	2.0	2.0	2.0		
32	3.3	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	
34	3.0	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	
36	2.6	2.8	2.1	2.6	2.6	2.0	2.0	2.0	1.9	
38	2.1	2.6	2.0	2.2	2.6	2.0	2.0	2.0	1.9	
40	1.8	2.2	2.0	1.8	2.2	2.0	1.9	2.0	1.8	
42	1.4	1.8	1.9	1.4	1.8	1.9	1.5	1.9	1.8	
44	1.1	1.4	1.8	1.1	1.5	1.8	1.3	1.6	1.8	
46		1.2	1.4		1.2	1.5	1.0	1.4	1.6	
48			1.2		1.0	1.2		1.0	1.4	
50						1.0			1.0	
Code	222211			222221			222222			Code

Description of symbols

General symbols

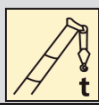
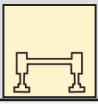
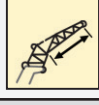
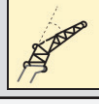
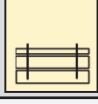
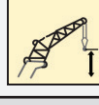
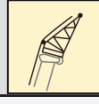
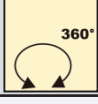
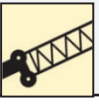
	Superstructure		Chassis
	Lifting capacity		Axle
	Boom length		Travel speed
	Working radius		Grade ability
	Boom angle		Tires
	Hoist height with boom		Outriggers
	Fixed jib length		Hook block
	Jib offset angle		Counterweight
	Hoist height with jib		Winch
	Independent jib head		360° operation of the boom
	Boom extension		

Table of main technical parameters

Category	Item		Unit	Parameter
Dimensions	Dimensions (length× width× height)		mm	16430× 3000× 3975
	Wheel base		mm	1500+4200+1420+1505
	Track (Front/ Rear)		mm	Axles 1, 2: 2562 Axles 3, 4: 2268 Axle 5: 2468
	Front/ Rear overhang		mm	2560 (Qixing), 2545 (XCMG Automobile)/2415
	Front/ Rear extension		mm	2170 (Qixing)2185 (XCMG Automobile)/660
Weight	Max. permissible weight		kg	54990
	Axle load	1st axle	kg	10500
		2nd axle	kg	10500
		3rd axle	kg	12500
		4th axle	kg	12500
		5th axle	kg	8990
Power	Engine model		——	WP10.5H430E62 (China VI)
	Engine rated power/rpm		kW/(r/min)	316/1900
	Max. net power/rpm		kW/(r/min)	311/1900
	Max. output torque/rpm		N.m/(r/min)	2000/1000-1400
Travel	Max. travel speed		km/h	≥80
	Min. stable travel speed		km/h	1.7~3
	Min. turning diameter		m	≤24
	Min. turning diameter at boom tip		m	≤29.6
	Min. ground clearance		mm	310
	Approach angle		°	20
	Departure angle		°	13
	Braking distance (at 30 km/h)		m	≤10
	Max. 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

Table of main technical parameters

Category	Item			Unit	Parameter
Main performance	Max. total rated lifting capacity			t	130
	Min. rated working radius			m	2.5
	Turning radius at turntable tail	At counterweight		mm	5540
		At auxiliary winch		mm	5400
	Max. load moment	Base boom		kN.m	3945
		Fully-extended boom		kN.m	1866
		Fully-extended boom + Jib		kN.m	1529
	Outrigger span	Longitudinal		m	7.5
		Lateral		m	8.1 (6.34)
	Lifting height	Base boom		m	14.7
		Fully-extended boom		m	76
		Fully-extended boom + Jib		m	102.5
	Boom length	Base boom		m	14.1
		Fully-extended boom		m	76
		Fully-extended boom + Jib		m	102.5
	Jib offset angle			°	0, 15, 30
Working speed	Time for raising the boom			s	65
	Time for fully extending the boom			s	710
	Max. slewing speed			r/min	1.5
	Time for extending and retracting outriggers	Outrigger beam	Retracting	s	40
			Extending	s	40
		Outrigger jack	Retracting	s	50
			Extending	s	50
	Hoisting speed (single line, 4th layer, no load)	Main winch		m/min	130
Auxiliary winch		m/min	90		
Noise	Exterior noise level			dB (A)	109
	Noise level at seated position			dB (A)	85

LARGEST NETWORK



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