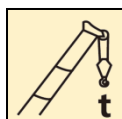
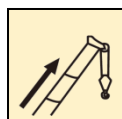


QY110KH-1 Truck Crane

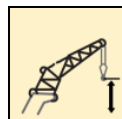
Technical specifications



110 t



76 m



102.5m



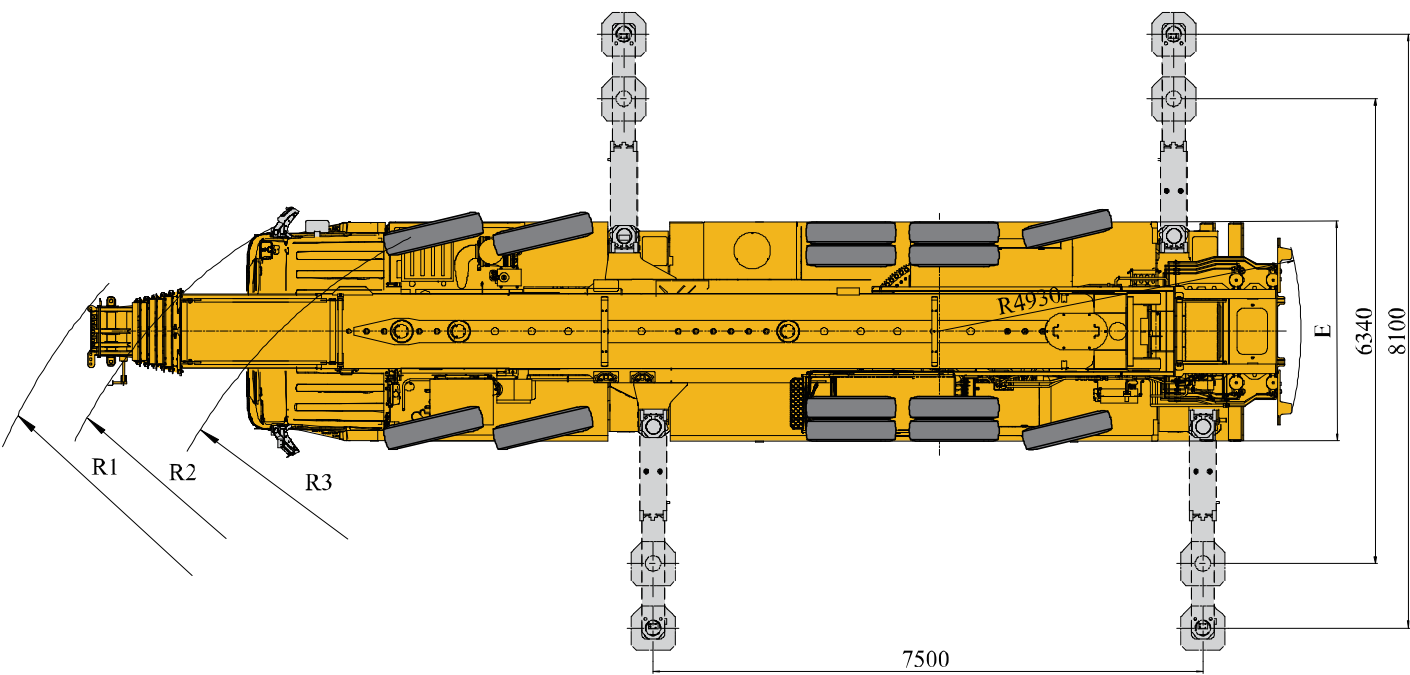
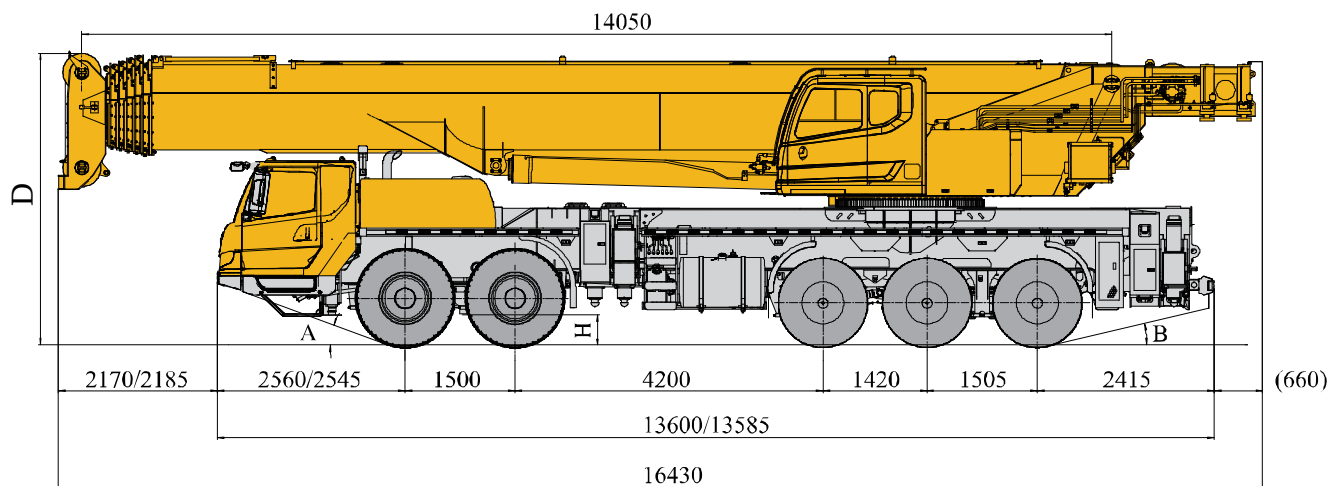
Product feature code: B

First edition, Jan. 2024

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Dimensions



	A	B	D	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: When equipped with Qixing driver's cab, the front extension is 2170mm, and the front overhang is 2560mm.
When equipped with XCMG Automobile driver's cab, the front extension is 2185mm, and the front overhang is 2545mm.

Technical specifications



Chassis	
Frame	Designed and manufactured by XCMG, the frame is made of high strength steel with fully covered walking surface 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: 480mm×615mm Reaction force of outrigger at max. lifting load: 790KN
Engine	WP10.5H430E50, in-line, 6 cylinders, water cooled, electric control diesel engine, made by Weichai, compliant with China V emission standard. Rated power 316kW/1900rpm Max. torque 2000Nm/1000-1400rpm. Max. reference torque: 2187 N.m Fuel tank capacity: 470 L. AdBlue/DEF tank capacity: 35 L.
Transmission	Manual transmission, 10 forward speeds and 2 reverse speeds.
Axle	High strength axles, 1st, 2nd and 5th axles are for steering, and 3rd, 4th and 5th axles are for driving.
Suspension system	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	
Brake	Service brake: dual-circuit air pressure brake acting on all wheels. Parking brake: spring-loaded brake, acting on wheels of axles 2,3 and 4,5. 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 working conditions.
Driver's cab	New full-dimension enclosed cab is ergonomically designed for safe and comfortable operation. 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, radio and new material mat. A mechanical shock absorber seat is supplied for driver, and a double-seat designed for the co-driver may be used as a berth for rest. Heater, air conditioner and fire extinguisher of 3 kg are standard.
Electrical system	24 V DC, two sets of 12 V battery 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. Proportional solenoid directional control valve and air-cooled hydraulic oil cooler are fitted in the system. Effective volume of hydraulic oil tank: 815 L
Operating method	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	Single-row, four-point contact-ball external slewing ring, driven by a planetary gear reducer, which is driven by a hydraulic motor, with constant-closed brake equipped, may continuously slew 360°. Power control and free swing function as well as stepless speed regulation are available.
Luffing system	Single luffing cylinder and balance valve with the load compensation function are included. Balance valve-controlled boom gravity combined with power for lowering boom is used for boom luffing down.



Superstructure

Operator's cab	Steel cab with a full-view windshield, safety glass, sliding door, adjustable seat with electric heating function; 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. Air conditioner and fire extinguisher of 2 kg are standard.
Safety devices	Hydraulic counterbalance valve; hydraulic relief valve; hydraulic double-way valve; LMI; lowering limiter; anti-two block; anemometer; winch monitor
Combined counterweight	31 t (standard), 40 t (optional).
Hook block	60 t hook block 7t hook block



Boom and jib system

Boom	7-section boom with U cross-section, welded structure with single-plate boom head and compact boom tail. Single-cylinder pinning telescoping system, Boom length: 14.1m~76m
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: 10.5m, 17.5m.

Configuration and optional equipment

Configuration	Function description	Selection
Standard version	7-section boom of 76 m, fixed jib of 17.5 m.	
Note: only standard configuration is available for this model.		

Optional equipment		Selection
Hook block	100 t	
	80 t hook block	
	50 t hook block	
Extension	Two-section lattice welded structure, attached to boom head. Two 7 m boom extensions.	
Independent jib head	Lattice welding structure, attached to boom head Length of independent jib head: 2.9 m	
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.	
Counterweight slab D	Two 4.5 t slabs	
Anemometer		
Winch monitoring device		
Slewing beacon lamp		
Air conditioner		
Angle indicator		
Outrigger length measuring sensor		
Beacon light		
Backup camera		
Pressure sensor		
Spark arrestor		
Anti-lock brake system (ABS)		

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 bracket, single top, counterweight, auxiliary winch and wire rope, auxiliary wire rope and slings are excluded; Chassis: spare tire and its bracket, counterweight bracket are excluded. Drive/steer mode: 10×6×6. Tire specifications: front axle: 385/95R25, rear axle: 325/95R24 or 12.00R24.

2) Short-distance jobsite transfer I: max. speed of 20 km/h, 60 t hook block, jib and bracket, auxiliary sheave, auxiliary winch, counterweight of 31 t (with 18 t counterweight in rear position), spare tire and its bracket, counterweight bracket; Drive/steer mode: 10×6×6; Tire specifications: front axle 385/95R25, rear axle 325/95R24 or 12.00R24;

3) Short-distance jobsite transfer II: max. speed of 20 km/h, 60 t hook block, jib and bracket, auxiliary sheave, auxiliary winch, counterweight of 31 t (with 18 t counterweight in front position), spare tire and its bracket, counterweight bracket; Drive/steer mode: 10×6×6; Tire specifications: front axle 385/95R25, rear axle 325/95R24 or 12.00R24;



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

Working speed



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

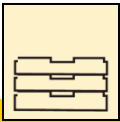
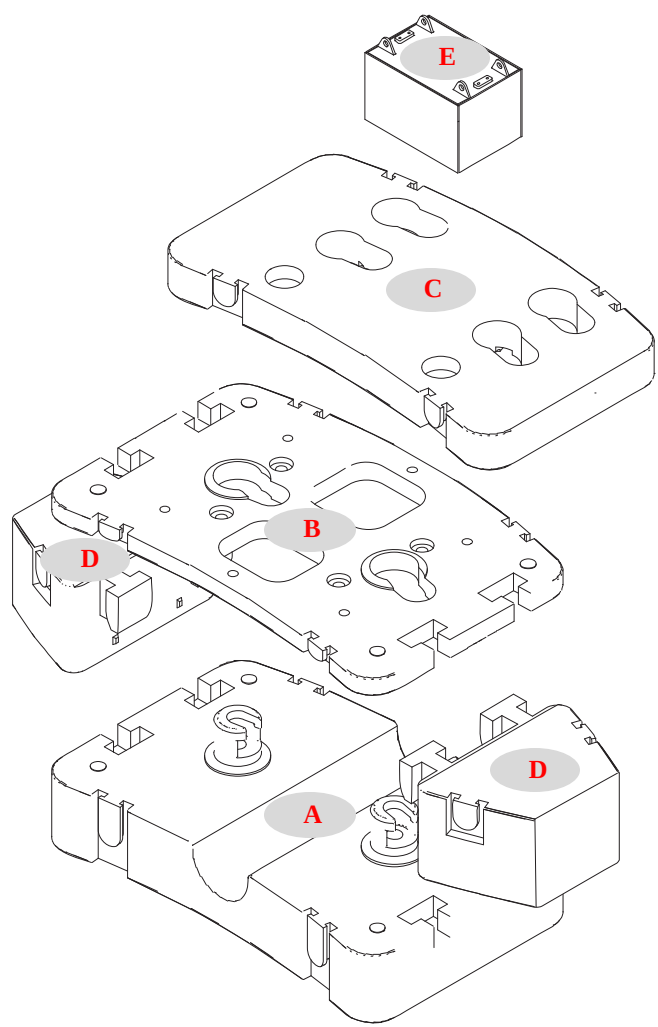
1~80

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 up from -1 ° to 81 °		
	Approx. 700 s for boom extending from 14.1 m to 76m		

Counterweight ￼slabs



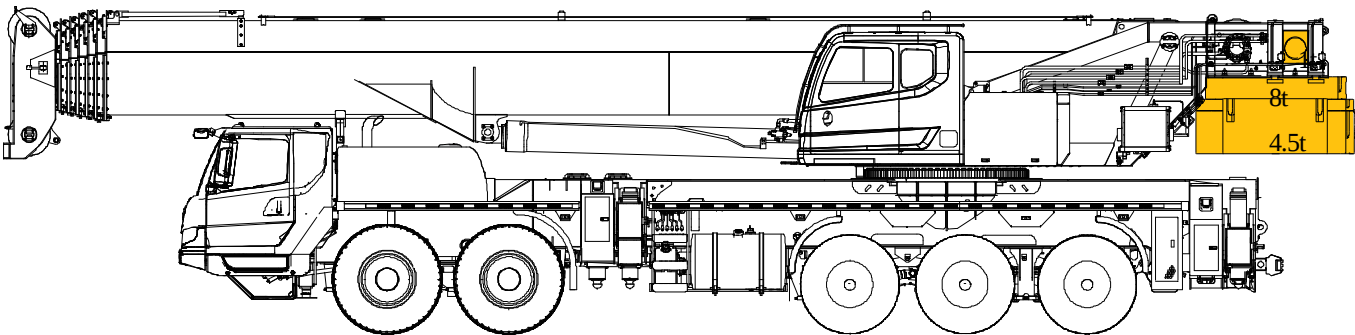
Counterweight￼slabs	A	B	C	D	E
Dimensions (L×W×H) (mm)	2990×1979×840	2990×1979×173	2990×1757×277	1100×1307×682	833×571×618
Weight (t)	18	4	8	4.5×2	1

Operation modes	40t	39t	32t	31t	30t	27t
Combinations	A+B+C+D×2+E	A+B+C+D×2	A+B+D×2+E	A+B+C+E/ A+B+D×2	A+B+C	A+C+E

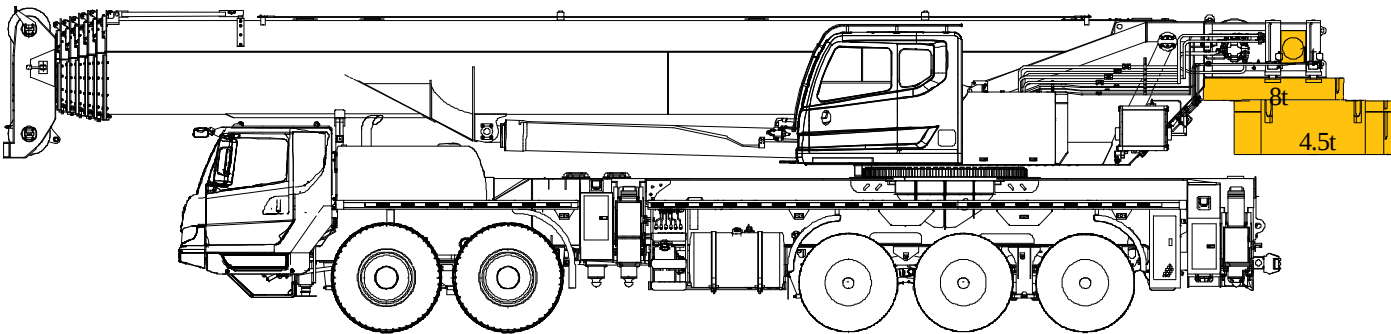
Operation mode	26t	23t	22t	19t	18t	9t	8t	1t	0t
Combinations	A+C	A+B+E	A+B	A+E	A	C+E	C	E	/

Counterweight▯slabs

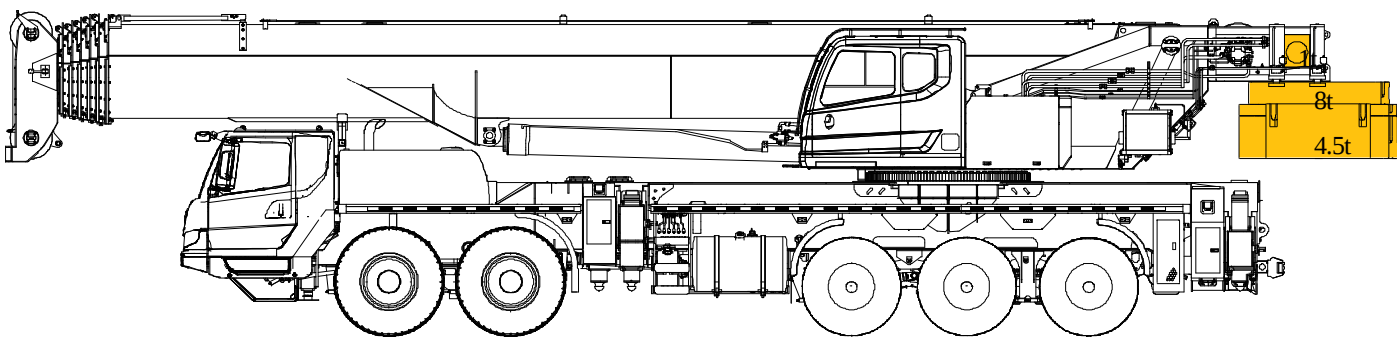
Assembly method I: counterweight slab E (1 t) fixed while other counterweight slabs in the front position.



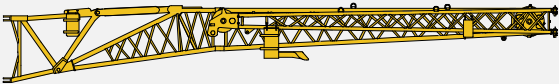
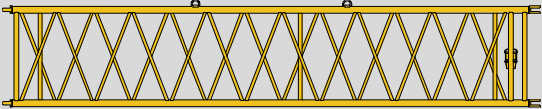
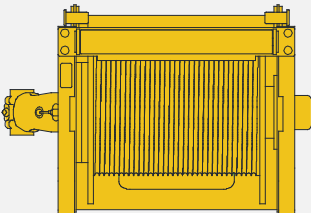
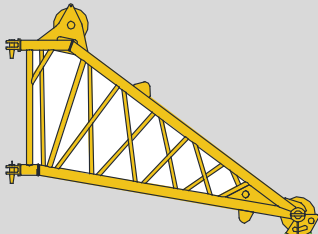
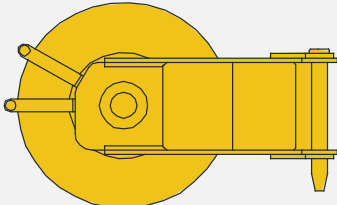
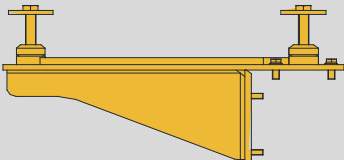
Assembly method II: counterweight slab E (1 t) fixed, slab C (8 t) fixed on the bottom plate of the turntable tail frame while other counterweight slabs in the front position.



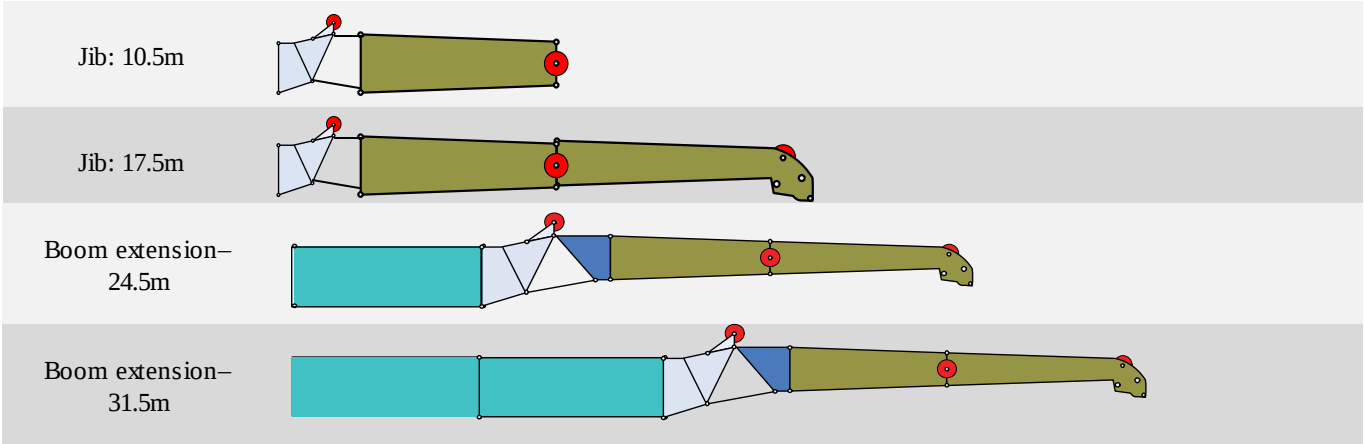
Assembly method III: counterweight slab E (1 t) fixed while other counterweight slabs in the rear position.



Dimensions of parts to be transported

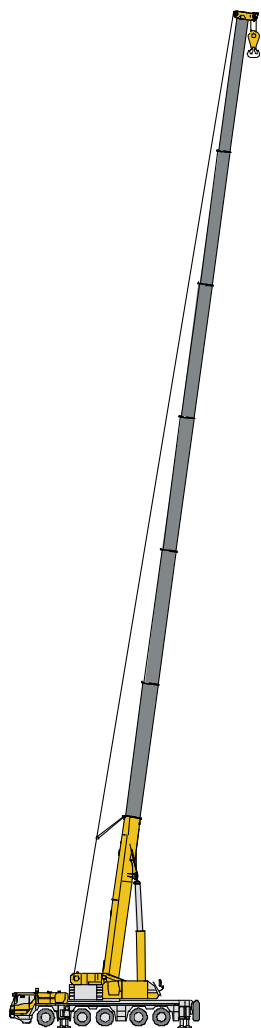
Name	Illustration	Weight (kg)	Qty	Dimension (mm)
Jib and its bracket		1340	1	11074×1580×920
Boom extension		463	2	7090×1500×920
Auxiliary winch		1093	1	768×860.5×1254
Independent jib head		453	1	3170×2394×994
Auxiliary sheave (single top)		95	1	755×480×860
Counterweight bracket		160	1	800×1380×470
Spare tire and its bracket		260	1	1356×1356×555

Boom/ Jib combinations



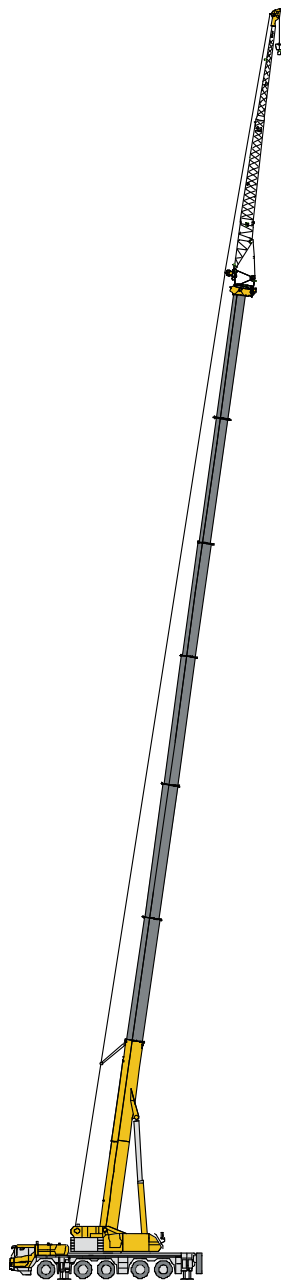
Part name	Structure	Dimensions (L×W×H) (mm)	Weight (kg)
Connecting bracket		2035×920×1580	235
Boom extension		7090×920×1500	463
1st jib section assembly		9923×1106×790	578
2nd jib section assembly		6908×608×446	265

Boom/ Jib combinations



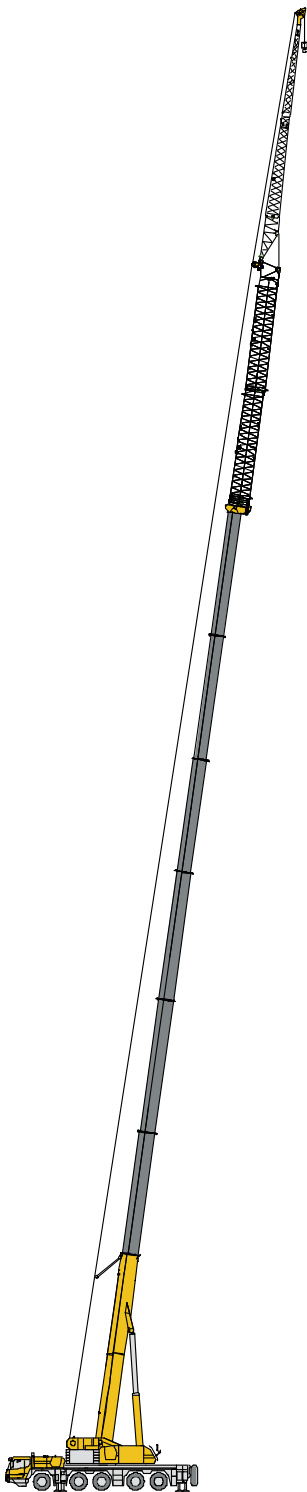
Boom

T: 14.1~76 m



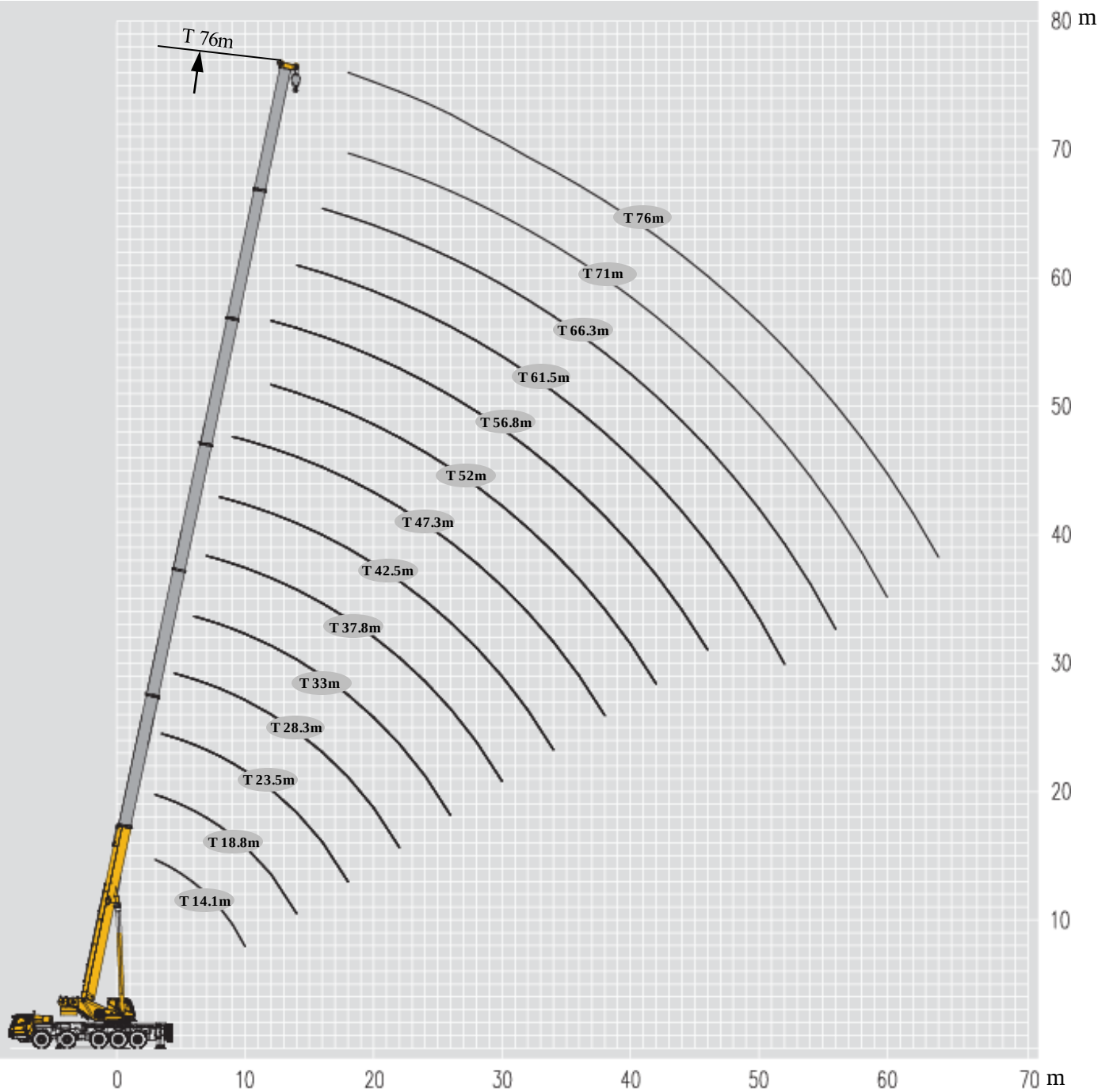
Jib

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



Boom extension

T: 61.5~71m
L: 14 m
J: 10.5/17.5 m



Rated load charts- counterweight in the rear

T 14.1~33m

 14.1-28.3m 8.1m × 7.5m 360° 40t 													
	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	
2.5	130*												2.5
3	109	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
22											12.1	11.9	22
Code	000000	000001	000010	000100	001000	000002	000011	000110	001100	011000	000012	000021	Code

 28.3-33m 8.1m × 7.5m 360° 40t 													
	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	65.2									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
8	45.5	48.0	45.6	45.6	22.7	28.6	27.9	27.9	44.7	44.7	43.7	42.3	8
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
24					9.2	12.5	11.4	11.1	13.8	13.8	12.5	11.2	24
26					8.6	11.8	10.3	10.0	11.9	11.9	10.7	9.4	26
Code	000111	001110	011100	111000	000022	000112	000121	000211	001111	011110	111100	211000	Code

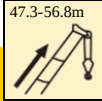
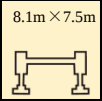
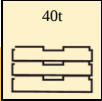
Remark: The lifting load with * is the nominal load, indicating the crane's capacity class.

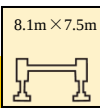
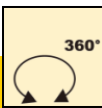
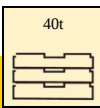
Rated load charts- counterweight in the rear

T 37.8~47.3m

 37.8-42.5m 8.1m × 7.5m 360° 40t														
	37.8 m	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	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
20	11.7	11.8	16.3	14.7	14.7	19.3	17.8	16.6	10.5	12.7	12.8	12.9		20
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
30	7.9	7.6	10.9	9.7	9.6	10.0	8.6	7.4	7.1	8.9	8.6	8.5		30
32									6.6	8.3	8.1	7.7		32
34									6.0	7.8	7.5	7.2		34
Code	000122	000221	001112	001211	002111	011111	111110	211100	000222	001122	001221	002211		Code

 42.5-47.3m 8.1m × 7.5m 360° 40t														
	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	47.3 m	
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	28.4	25.6	14.5	16.8	17.6	19.4	19.8	24.3	23.0		14
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
22	16.3	14.3	14.3	16.0	14.9	10.1	10.8	12.7	12.8	12.8	17.0	15.2		22
24	15.2	13.3	12.8	14.1	12.7	9.3	9.8	11.7	11.8	11.7	14.7	13.9		24
26	13.4	12.2	11.8	12.3	10.9	8.7	9.1	11.1	10.8	10.6	12.9	12.1		26
28	11.9	11.2	10.8	10.7	9.4	8.0	8.4	10.1	10.1	9.6	11.3	10.6		28
30	10.6	10.0	9.6	9.4	8.1	7.4	7.8	9.5	9.1	9.0	10.0	9.3		30
32	9.4	8.8	8.4	8.3	7.0	6.8	7.3	9.0	8.5	8.2	8.9	8.1		32
34	8.5	7.9	7.5	7.3	6.0	6.5	6.7	8.4	8.0	7.5	7.9	7.2		34
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
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	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
20	17.0	11.2	11.4	13.0	13.0	14.0	14.7	14.1	11.1	11.8	11.8	12.8		20
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
40		4.8	5.8	5.6	5.3	6.0	4.9	4.4	5.0	5.1	6.1	5.2		40
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
Code	211111	002222	011222	012221	022211	111122	122111	221111	012222	022221	111222	122211	Code	

	 56.8-76m	 8.1m × 7.5m	 360°	 40t						
	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	15.7					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
62									1.1	62
64									0.9	64
Code	222111	022222	112222	122221	222211	122222	222221	222222	333333	Code

Rated load charts- counterweight in the rear

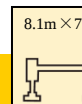
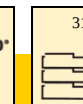
T 14.1~33m

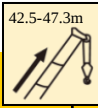
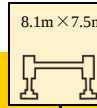
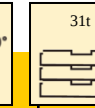
 14.1-28.3m 8.1m × 7.5m 360° 31t															
	14.1 m	18.8 m	18.8m	18.8 m	18.8 m	23.5 m	23.5m	23.5 m	23.5m	23.5 m	28.3 m	28.3m			
3	100.0	61.5	85.0	85.0	85									3	
3.5	92.0	58.5	80.0	80.0	80.0	41.9	63.1	75.0	75.0	75.0				3.5	
4	88.0	55.5	75.0	75.0	75.0	38.9	61.1	71.3	71.3	70.0	38.8	39.8		4	
4.5	80.0	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	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	
22											12.1	11.9		22	
Code	000000	000001	000010	000100	001000	000002	000011	000110	001100	011000	000012	000021	Code		

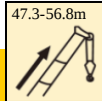
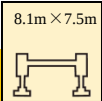
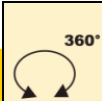
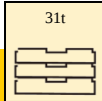
 28.3-33m 8.1m × 7.5m 360° 31t															
	28.3 m	28.3 m	28.3 m	28.3 m	33.0 m	33.0m	33.0m	33.0 m	33.0 m	33.0m	33.0 m	33.0m			
4	63.0	67.2	67.2	65.184										4	
4.5	60.4	63.8	63.8	62.496										4.5	
5	58.4	60.8	59.5	59.5	29.7	36.3	36.4	37.3	55.0	55.0	55.0	55.0		5	
6	54.4	55.1	53.9	53.9	27.3	33.4	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	48.0	45.6	45.6	22.7	28.6	27.9	27.9	44.7	44.7	43.7	42.3		8	
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	30.7	17.2	22.0	20.7	20.5	31.0	31.0	31.0	30.1		12	
14	26.9	25.9	24.8	23.4	15.1	19.7	18.1	18.2	26.4	25.6	24.2	22.9		14	
16	21.8	20.8	19.7	18.5	13.5	17.7	16.3	16.2	21.7	20.5	19.3	17.9		16	
18	18.1	17.2	16.1	14.9	12.2	16.1	14.7	14.7	18.0	16.9	15.6	14.4		18	
20	15.3	14.4	13.3	12.2	11.2	14.8	13.5	13.4	15.2	14.1	12.9	11.7		20	
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	
26					8.6	10.5	10.3	9.9	9.8	8.7	7.6	6.4		26	
Code	000111	001110	011100	111000	000022	000112	000121	000211	001111	011110	111100	211000	Code		

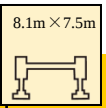
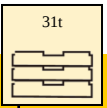
Rated load charts- counterweight in the rear

T 37.8~47.3m

																			
	37.8 m	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	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	33.9	32.4	29.8	16.3	19.0	19.1	20.6	12						
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						
20	11.7	11.8	15.8	14.7	14.7	14.9	13.6	12.3	10.5	12.7	12.8	12.9	20						
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						
28	8.6	8.3	9.2	8.7	8.4	8.3	7.0	5.9	7.6	9.5	9.1	8.6	28						
30	7.9	7.6	8.1	7.7	7.3	7.2	6.0	4.9	7.1	8.4	8.1	7.6	30						
32									6.6	7.5	7.2	6.7	32						
34									6.0	6.7	6.4	5.9	34						
Code	000122	000221	001112	001211	002111	011111	111110	211100	000222	001122	001221	002211	Code						

	 42.5-47.3m  8.1m × 7.5m  360°  31t												
	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	37.8	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 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

Rated load charts- counterweight in the rear

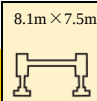
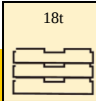
T 14.1~33m

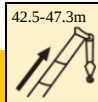
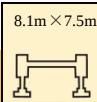
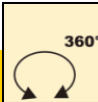
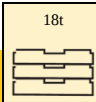
 14.1-28.3m 8.1m × 7.5m 360° 18t															
	14.1 m	18.8 m	18.8m	18.8 m	18.8 m	23.5 m	23.5m	23.5 m	23.5m	23.5 m	28.3 m	28.3m			
3	100.0	61.5	85.0	85.0	85									3	
3.5	92.0	58.5	80.0	80.0	80.0	41.9	63.1	75.0	75.0	75.0				3.5	
4	88.0	55.5	75.0	75.0	75.0	38.9	61.1	71.3	71.3	70.0	38.8	39.8		4	
4.5	80.0	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	33.0m	33.0 m	33.0m	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		

Rated load charts- counterweight in the rear

T 37.8~47.3m

	 37.8-42.5m	 8.1m × 7.5m	 360°	 18t									
	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

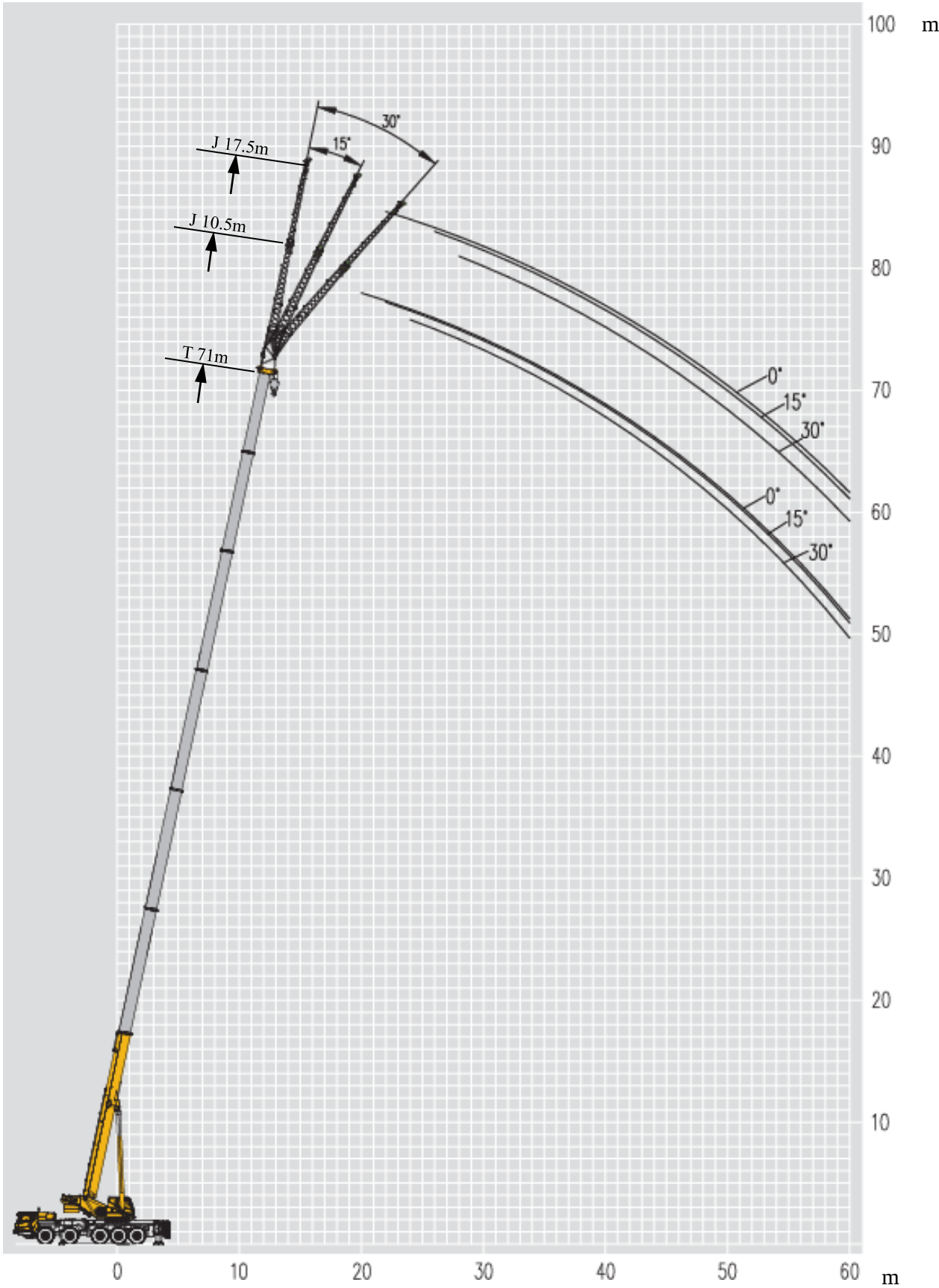
	 42.5-47.3m	 8.1m × 7.5m	 360°	 18t									
	42.5 m	42.5 m	42.5 m	42.5 m	42.5 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	47.3 m	
8	31.3	32.0	32.8	41.0	40.0								8
9	29.3	30.0	30.9	37.5	35.9	19.2	23.0	23.0	25.8	26.7	30.3	30.4	9
10	27.3	28.0	28.9	31.0	29.5	18.3	21.6	21.9	24.8	25.1	29.0	28.4	10
12	23.8	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

Rated load charts- counterweight in the rear

T 47.3~56.8m

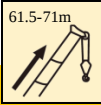
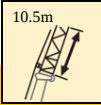
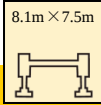
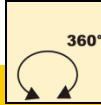
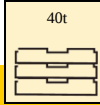
 47.3-56.8m 8.1m × 7.5m 360° 18t 													
	47.3 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	52.0 m	56.8 m	56.8 m	56.8 m	56.8 m	
9	32.6												9
10	30.4	18.2	18.0	21.3	21.9	21.4	24.0	25.8					10
12	22.0	16.6	16.2	18.9	19.8	19.5	21.7	21.9	15.4	17.3	15.9	18.7	12
14	16.8	15.2	14.8	17.0	17.8	18.1	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

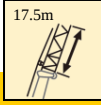
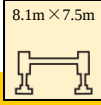
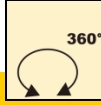
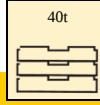
 56.8-76m 8.1m × 7.5m 360° 18t 										
	56.8 m	61.5 m	61.5 m	61.5 m	61.5 m	66.3 m	66.3 m	71.0 m	76.0 m	
12	20.4									12
14	16.8	14.3	14.1	14.9	15.7					14
16	13.2	13.3	13.2	13.7	13.4	12.0	12.3			16
18	10.6	12.1	12.1	11.5	10.9	11.3	11.2	9.8	7.0	18
20	8.6	10.2	10.1	9.6	8.9	9.9	9.2	9.5	7.0	20
22	7.1	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



Rated load charts- counterweight in the rear

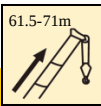
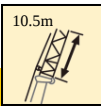
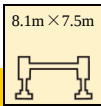
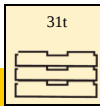
J 10.5 m/17.5 m

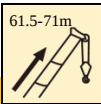
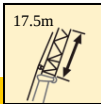
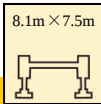
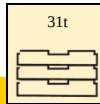
    										
61.5 m			66.3 m			71 m				
0°	15°	30°	0°	15°	30°	0°	15°	30°		
16	7.0								16	
18	7.0	6.5		6.6					18	
20	7.0	6.3	4.8	6.4	5.9				20	
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1	22	
24	6.6	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	6.4	5.6	4.6	5.9	5.4	4.4	5.4	5.1	4.2	26
28	6.2	5.6	4.4	5.7	5.3	4.4	5.3	5.0	4.1	28
30	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

Rated load charts- counterweight in the rear

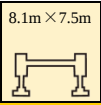
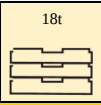
J 10.5 m/17.5 m

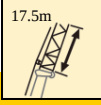
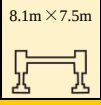
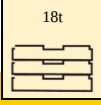
    										
61.5 m			66.3 m			71 m				
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
16	7.0									16
18	7.0	6.5		6.6						18
20	7.0	6.3	4.8	6.4	5.9		5.6			20
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1		22
24	6.6	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	6.4	5.6	4.6	5.9	5.4	4.4	5.4	5.1	4.2	26
28	6.2	5.6	4.4	5.7	5.3	4.4	5.3	5.0	4.1	28
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

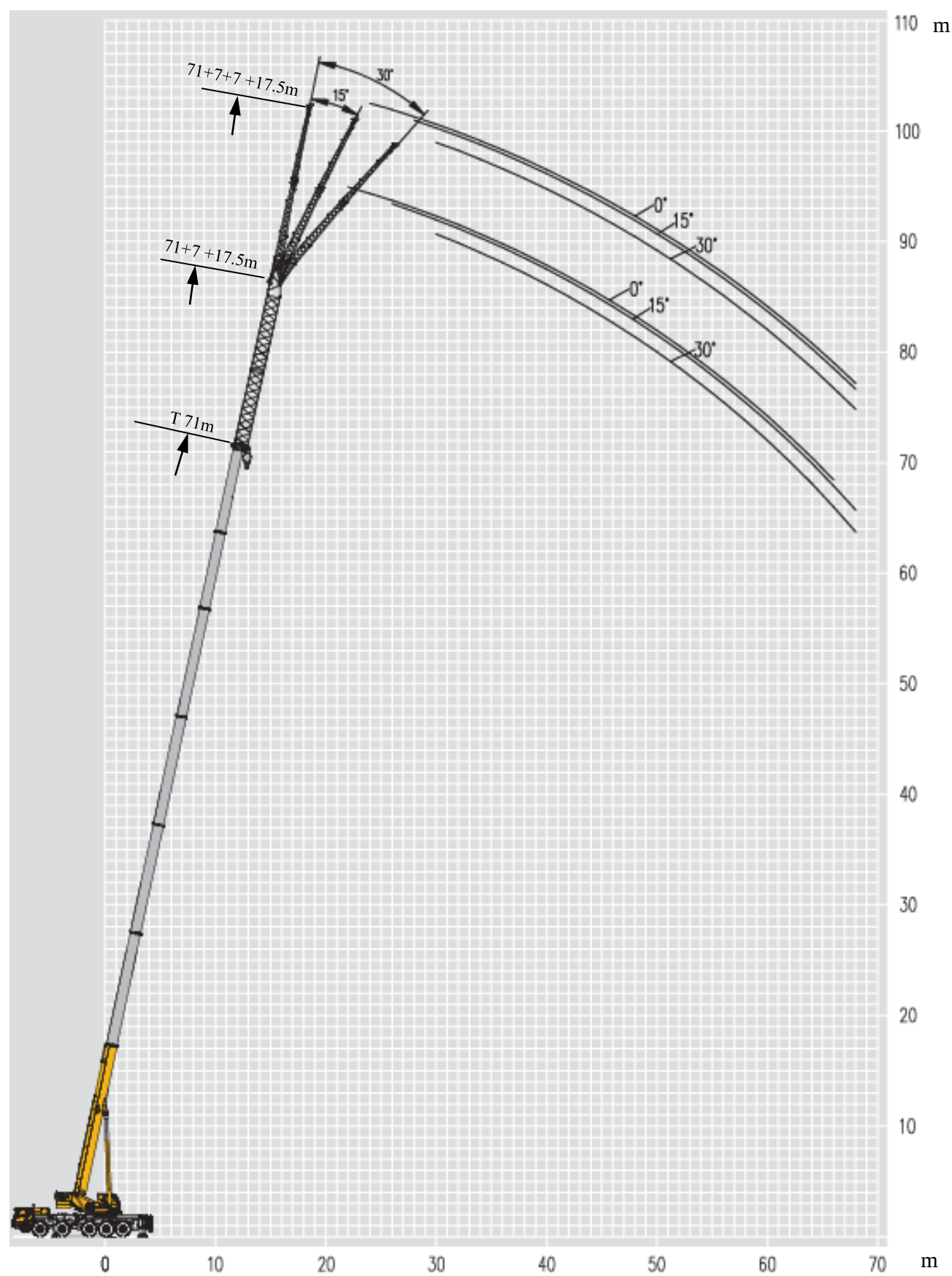
    										
61.5 m			66.3 m			71 m				
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
18	4.4									18
20	4.3			4.0						20
22	4.2	3.4		3.9			3.6			22
24	4.1	3.3		3.8	3.2		3.5			24
26	3.9	3.3	2.3	3.7	3.1		3.4	2.9		26
28	3.8	3.2	2.3	3.6	3.1	2.2	3.3	2.9		28
30	3.7	3.1	2.1	3.5	3.0	2.1	3.2	2.8	2.1	30
32	3.6	3.0	2.1	3.4	2.9	2.1	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

Rated load charts- counterweight in the rear

J 10.5 m/17.5 m

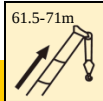
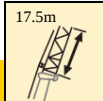
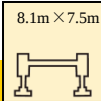
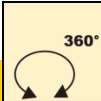
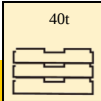
      										
61.5 m			66.3 m			71 m				
0°	15°	30°	0°	15°	30°	0°	15°	30°		
16	7.0								16	
18	7.0	6.5		6.6					18	
20	7.0	6.3	4.8	6.4	5.9		5.6		20	
22	6.8	6.0	4.8	6.2	5.7	4.5	5.6	5.1	22	
24	6.1	5.8	4.7	6.1	5.5	4.5	5.5	5.1	4.3	24
26	5.0	5.5	4.6	5.2	5.4	4.4	5.4	5.1	4.2	26
28	4.2	4.6	4.4	4.3	4.8	4.4	4.6	5.0	4.1	28
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

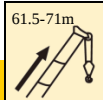
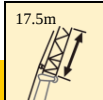
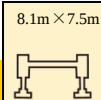
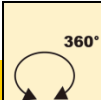
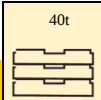
      										
61.5 m			66.3 m			71 m				
0°	15°	30°	0°	15°	30°	0°	15°	30°		
18	4.4								18	
20	4.3			4.0					20	
22	4.2	3.4		3.9			3.6		22	
24	4.1	3.3		3.8	3.2		3.5		24	
26	3.9	3.3	2.3	3.7	3.1		3.4	2.9	26	
28	3.8	3.2	2.3	3.6	3.1	2.2	3.3	2.9	28	
30	3.7	3.1	2.1	3.5	3.0	2.1	3.2	2.8	2.1	30
32	3.3	3.0	2.1	3.4	2.9	2.1	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



Rated load charts- counterweight in the rear

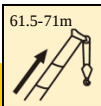
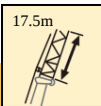
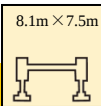
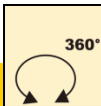
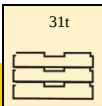
I 7 m/14 m

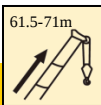
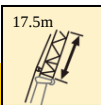
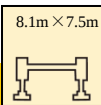
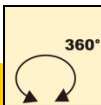
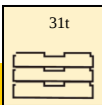
    										
	61.5+7 m			66.3+7 m			71+7 m			
	17.5 m									
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20	4.1									20
22	4.0			3.6						22
24	3.9	3.2		3.5			3.1			24
26	3.9	3.2		3.5	2.9		3.1			26
28	3.8	3.1	2.3	3.4	2.9		3.1	2.8		28
30	3.7	3.0	2.2	3.4	2.8	2.1	3.1	2.7		30
32	3.7	2.9	2.1	3.4	2.8	2.1	3.0	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
50	2.2	2.3	1.8	1.8	2.0	1.8	1.8	1.7	1.8	50
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

Rated load charts- counterweight in the rear

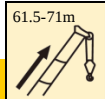
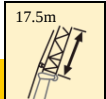
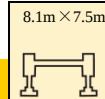
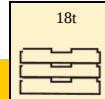
I 7 m/14 m

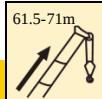
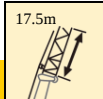
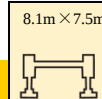
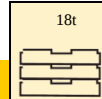
	     									
	61.5+7 m			66.3+7 m			71+7 m			
	17.5 m									
	0°	15°	30°	0°	15°	30°	0°	15°	30°	
20	4.1								20	
22	4.0			3.6					22	
24	3.9	3.2		3.5			3.1		24	
26	3.9	3.2		3.5	2.9		3.1		26	
28	3.8	3.1	2.3	3.4	2.9		3.1	2.8	28	
30	3.7	3.0	2.2	3.4	2.8	2.1	3.1	2.7	30	
32	3.7	2.9	2.1	3.4	2.8	2.1	3.0	2.7	32	
34	3.6	2.9	2.1	3.4	2.8	2.1	3.0	2.6	34	
36	3.5	2.8	2.0	3.3	2.8	2.0	3.0	2.6	36	
38	3.4	2.8	2.0	3.2	2.7	2.0	3.0	2.6	38	
40	3.3	2.8	2.0	3.2	2.7	2.0	2.9	2.5	40	
42	3.0	2.7	1.9	3.0	2.7	1.9	2.6	2.5	42	
44	2.6	2.7	1.9	2.6	2.6	1.9	2.3	2.4	44	
46	2.2	2.6	1.9	2.3	2.4	1.9	2.0	2.3	46	
48	1.9	2.2	1.8	2.0	2.2	1.8	1.9	2.0	48	
50	1.6	1.9	1.8	1.7	2.0	1.8	1.8	1.7	50	
52	1.4	1.7	1.8	1.4	1.8	1.8	1.5	1.6	52	
54	1.1	1.4	1.6	1.2	1.4	1.7	1.3	1.4	54	
56		1.1	1.4	1.0	1.2	1.4	1.1	1.2	56	
58		1.0	1.1		1.0	1.2		1.0	58	
60						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

Rated load charts- counterweight in the rear

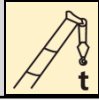
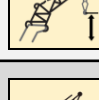
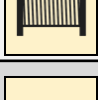
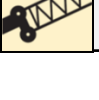
I 7 m/14 m

    										
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									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	3.0	2.8	2.1	3.0	2.6	2.0	2.0	2.0	1.9	34
36	2.6	2.8	2.1	2.6	2.6	2.0	2.0	2.0	1.9	36
38	2.1	2.6	2.0	2.2	2.6	2.0	2.0	2.0	1.9	38
40	1.8	2.2	2.0	1.8	2.2	2.0	1.9	2.0	1.8	40
42	1.4	1.8	1.9	1.4	1.8	1.9	1.5	1.9	1.8	42
44	1.1	1.4	1.8	1.1	1.5	1.8	1.3	1.6	1.8	44
46		1.2	1.4		1.2	1.5	1.0	1.4	1.6	46
48			1.2		1.0	1.2		1.0	1.4	48
50						1.0			1.0	50
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
	Boom hoisting height		Outriggers
	Fixed jib length		Hook block
	Jib offset angle		Counterweight slabs
	Jib lifting height		Winch
	Independent jib head		360 °operation of the boom
	Boom extension		

Main technical specifications

Category	Item		Unit	Parameter
Dimensions	Dimensions (L×W ×H)		mm	16430×3000×3975
	Axle spacing		mm	1500+4200+1420+1505
	Track (front/rear)		mm	2562 (Axle 1, 2) 2268 (Axle 3, 4) 2468 (Axle 5)
	Front overhang/rear overhang		mm	2560 (Qixing); 2545 (XCMG Automobile)/2415
	Front extension/rear extension		mm	2170 (Qixing), 2185 (XCMG Automobile)/660
Weight	Maximum permissible weight		kg	54990
	Axle load	Axle 1	kg	10500
		Axle 2	kg	10500
		Axle 3	kg	12500
		Axle 4	kg	12500
		Axle 5	kg	8990
Power	Engine model		——	WP10.5H430E50
	Rated power/rotation speed		kW/(r/min)	316/1900
	Max. net power/rotation speed		kW/(r/min)	311/1900
	Max. output torque/rotation speed		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 head		m	≤29.6
	Minimum ground clearance		mm	310
	Approach angle		°	20
	Departure angle		°	13
	Braking distance (initial speed 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

Main technical specifications

Category	Item			Unit	Parameter
Main performance	Maximum rated lifting capacity			t	130
	Minimum rated working radius			m	2.5
	Turning radius at turntable tail	At counterweight		mm	5540
		At auxiliary winch		mm	5400
	Maximum 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	Basic 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 boom			s	65
	Time for fully extending the boom			s	710
	Max. slewing speed			r/min	1.5
	Time for extending / retracting the outriggers	Outrigger beam	Retract	s	40
			Down	s	40
		Outrigger jack	Up	s	50
			Down	s	50
	Hoisting speed (single line, 4th layer, unloaded)	Main winch system		m/min	130
Auxiliary winch		m/min	90		
Noise	Exterior noise level			dB(A)	109
	Noise level at seated position			dB(A)	85

Notes

1. The total rated load given in the rated load charts is the maximum lifting capacity when the crane is set up on firm and level ground. The total rated load includes the weight of the hook blocks and slings. To calculate the actual weight that could be lifted, the weight of hook blocks and slings should be deducted from the lifting capacities.
2. The working radius is the horizontal distance between the gravity center of load and the rotational axis of the crane superstructure measured on the ground when the load is lifted off ground, and it is the actual value including loaded boom deflection. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed of 14.1 m/s, wind pressure of 125N/m^2).
4. Before beginning lifting, the operator should know the weight of the load to be lifted and its working range, and should then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Take the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip.
6. Extend boom sections according to the specified percentage.



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