

XCA250SA All Terrain Crane

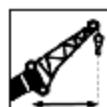
Technical specifications



250 t



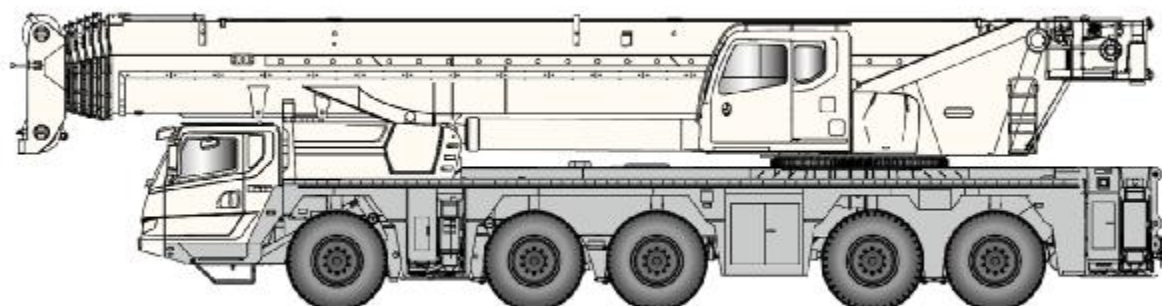
73 m



84 m



112 m

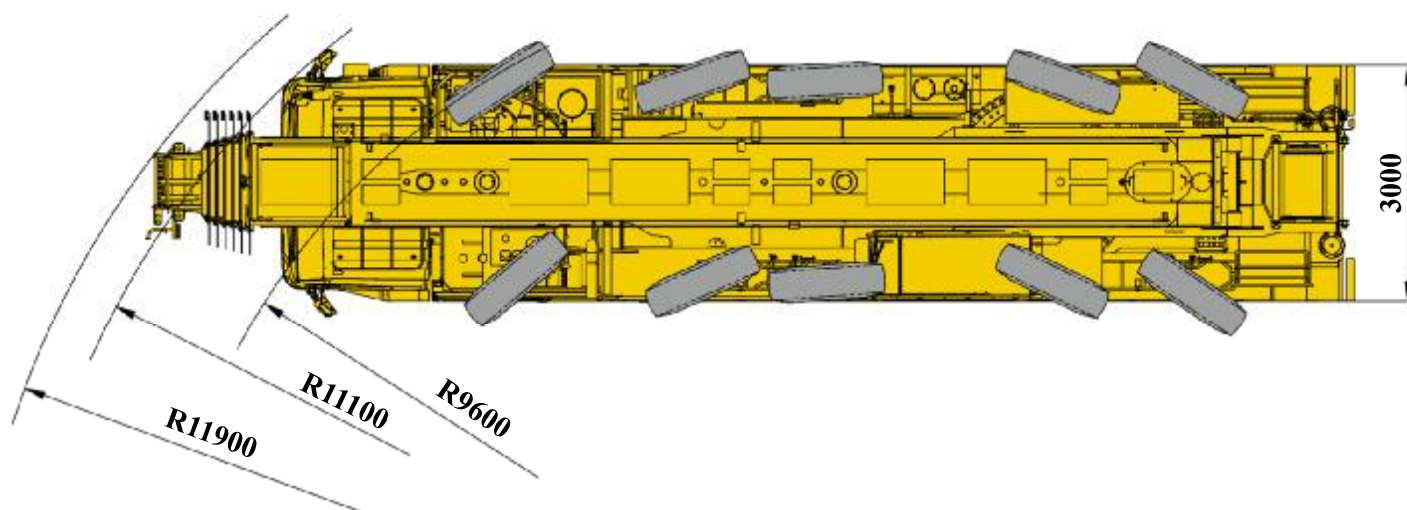
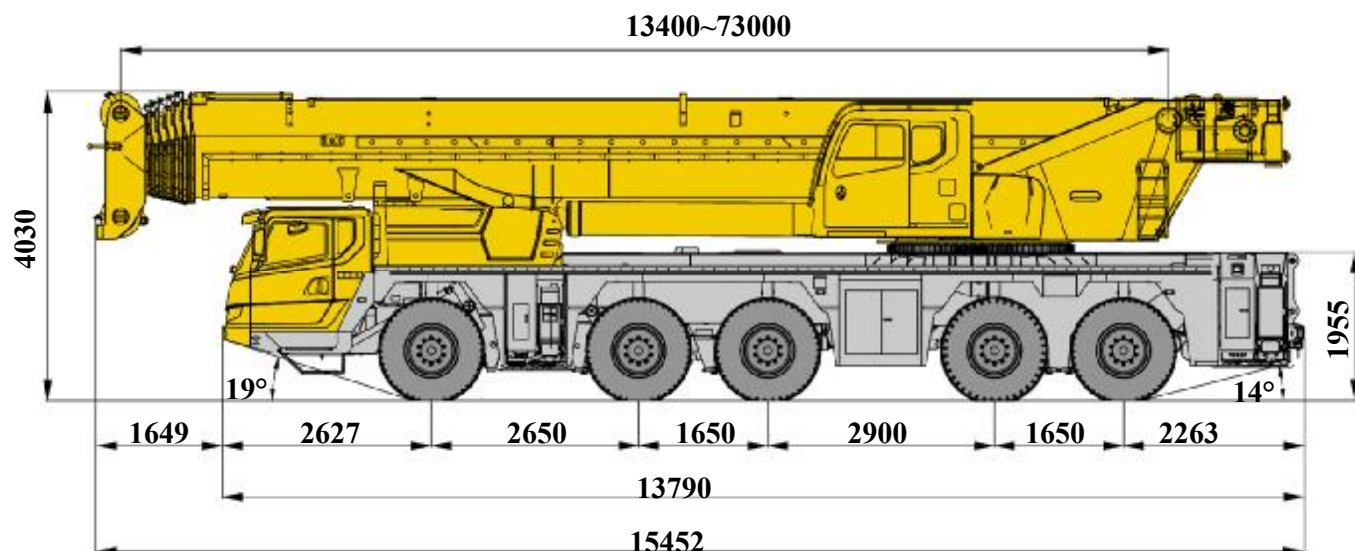


1st edition, March 2025

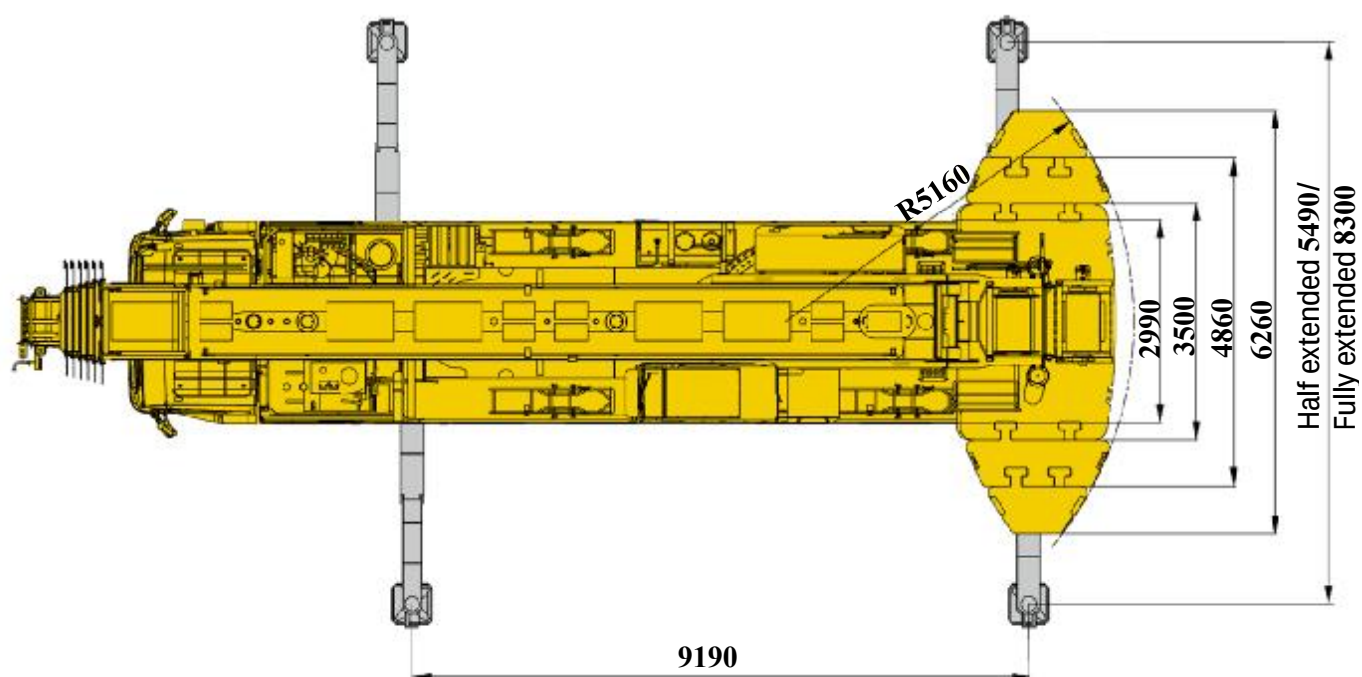
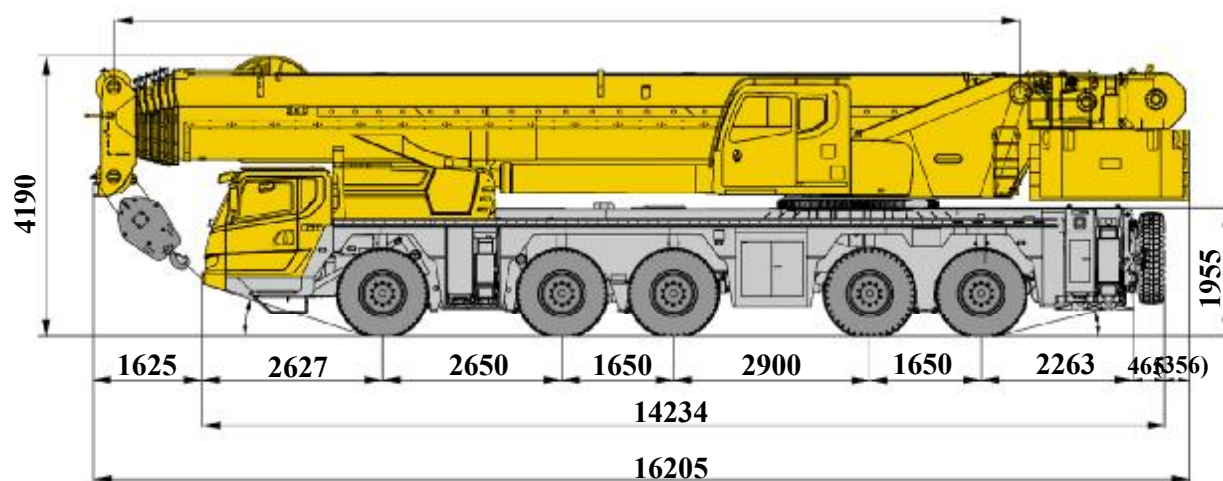
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Dimensions



Dimensions



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.
Outrigger	Four outriggers arranged in H-shape are hydraulically controlled by control levers. Double-stage outrigger beam is adopted. There is an outrigger control station located at each side of the chassis, and there is a level gauge, an illuminator and two speed buttons on each control station. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each jack cylinder. Outrigger float dimensions: 600 mm×600 mm Reaction force of outrigger at max. lifting load: front outrigger: 880 kN; rear outrigger: 1210 kN.
Engine	Benz Engine OM471LA.E5-1, rated power: 390 kW/1600 (r/min), max. torque: 2600 N.m/1300 (r/min), max. reference torque : 2805N.m. Engine emission standard: EU stage V. Fuel tank capacity: 488L; AdBlue/DEF tank capacity: 40L; engine total displacement: 13L.
Hydraulic system	The pump set, connected to the PTO port of the engine, controls the outriggers, steering system, suspension and independent hydraulic cooling system.
Transmission	ZF automatic transmission with retarder brake, 12 forward gears and 2 reverse gears.
Transfer case	Mechanical transfer case made by Zhuzhou Gear is equipped with emergency steering pump.
Safety devices	Backup camera, ABS, outrigger pressure detection and axle load detection are standard. The outrigger measuring device prompts the operator about the extension status of the outriggers.
Axle	High strength axle made by Chongqing Dajiang, equipped with disc brake. Four axles for driving: 2, 3, 4, 5 axles are for driving; Driving/steering mode: 10×8×10.
Suspension system	Hydro-pneumatic independent suspension system has good shock-absorbing effect. Various functions such as automatic leveling, moving up and down of suspension, and switching over of unlocked and locked suspension are available. The stroke of suspension cylinder: -100 mm ~ +140 mm.
Tire	10 tires and 1 spare tire; each axle is equipped with single tire. 445/95R25 (16.00R25)
Brake	Service brake: dual-circuit air pressure brake acting on all wheels. Parking brake: spring applied brake, acting on the wheels of axles 2-5. Auxiliary brake: engine exhaust brake, transmission retarder brake and eddy current brake are safe and reliable, which prolong the service life of brake lining.
Steering	All axles steering; axles 1 ~ 2 adopt the mechanical and hydraulic power steering, and axles 3 ~ 5 adopt the electro-hydraulic control steering. Advanced electro-hydraulic proportional steering control technology is adopted for various demands of operation modes and several steering modes can be realized.
Cab	New full dimension steel structure cab, with suspension connecting structure, is equipped with shock absorbers at the rear of the cab. It is equipped with adjustable seats, safety glass, electrically operated door window lifter, electric-adjustable mirrors, steering wheel adjustable in height and angle, backup camera, large screen liquid crystal display, CD player, etc. New central control panel is reasonably arranged, presenting human-oriented design concept. HVAC are standard.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.

Technical specifications



Superstructure

Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	Variable pump driven by chassis engine, used for hoisting, luffing, telescoping and slewing operation. Imported electro-hydraulic change valve, matching perfectly and stably with plunger variable pump. Air-cooled hydraulic oil cooler may effectively reduce the oil temperature in the system. Hydraulic oil tank capacity: 870L
Control mode	The pilot 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 variable motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped. The main and auxiliary winches can be operated independently. Wire rope has a rope head, which is directly installed in pouch socket.
Slewing system	A single-row, four-point contact-ball external slewing bearing with a dual slewing mechanism is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and can continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.
Operator's cab	Sliding door, adjustable seat with 20° tilting are adopted. Safety glass and top protective rails, LMI, electric control box, electric windshield wipers, engine accelerator pedal, engine start switch and windshield sun screen, and others are available. HVAC are standard.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic double-way lock and LMI are available. Lowering limiter is equipped in winch to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. Anemometer is equipped to check whether aerial wind velocity is in safe working range. Winch monitor is for real-time monitoring of winch running.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.
Load moment indicator (LMI)	When the actual load moment is approaching the overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically cut off before overloading occurs. Overload memory function (black box) and fault diagnosis function are available.
Counterweight	Total weight is 80 t. Seven counterweight combinations of 10 t, 20 t, 30 t, 40 t, 50 t, 68 t and 80 t are available.
Hook block	12.5t hook, , 40t hook, , 85t hook.
Wireless remote controller	Carrying out the remote control of main operation and auxiliary operation of crane to improve the convenience and security of operation.
Luffing system	Single cylinder luffing, with counterbalance valve featuring the load compensation function.
Boom head monitoring device	The boom head monitor, installed at the crane boom head, utilizes high-definition cameras and displays with wireless signal transmission. It primarily monitors hook lifting operations, featuring automatic focus adjustment based on lifting distance.
The intra-boom monitor	The intra-boom monitor, mounted on the telescopic boom cylinder, employs high-definition cameras and displays with wireless connectivity. Specifically designed to observe the boom pin insertion/extraction process during extension/retraction operations.

Technical specifications



Superstructure

Boom

7-section boom with U-shaped cross-section, welded structure. Single cylinder pinning telescoping system is adopted. One double-acting cylinder with safety valve is used for controlling the telescoping movements of all boom sections with 46%, 92% and fully-extended telescoping pattern available.
Boom length: 13.4 m~73 m.

**Auxiliary
sheave**

Fitted at boom head, used for single line operation.
Its lifting performance is the same as that for boom, but the maximum lifting load does not exceed 12.5 t.

The product components are listed above. For specifics, see the product quotation sheet.

Models and options

 Configuration	Function description
Standard	Boom+fixed jib, seven-section boom of 73 m, fixed jib of 44 m
Note: only standard configuration is available for this model.	

 Optional equipment	Component description
Hook block	160 t hook block
Auxiliary winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic variable motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped. The main winch and auxiliary winch are independently operated.
Jib assembly	Lattice structure with 0°, 20° and 40° jib offset angles available. Jib length: 12m ~ 44m, with 11 kinds of combinations (12, 16, 20, 24, 28, 32, 36, 8+24, 8+28, 8+32, 8+36)
	Jib extension is connected jib with length of 4m and 8m.
	The boom extension is fixedly installed with boom head. Length of boom extension: 8 m..
	Connecting bracket
	Offsetting bracket
Vehicle data terminal	Used to upload LMI data and part of chassis data.

Weight

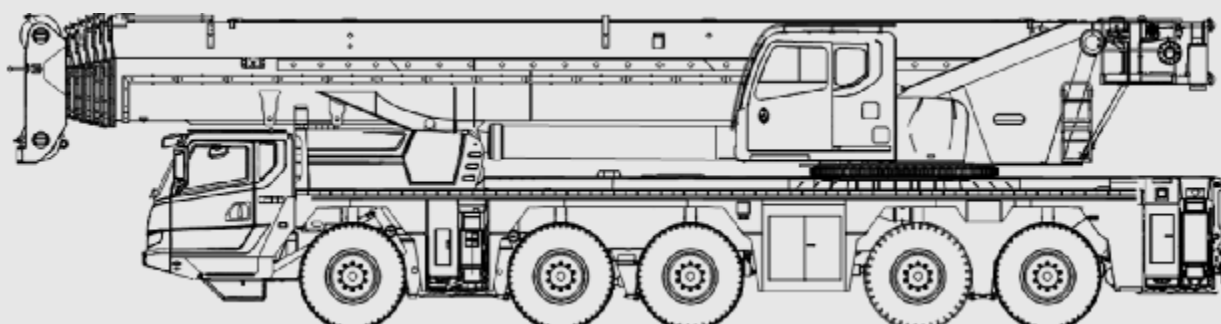
 Axle	1	2	3	4	5	Total weight
t	12	12	12	12	12	60.0 ⁽¹⁾

1) 60.0 t road travel configuration:

Superstructure: counterweight, auxiliary sheave, hook block, jib, hydraulic hose reel and auxiliary winch are excluded.

Chassis: spare tire and its bracket are excluded.

Max. travel speed: 80km/h; drive/steer mode: 10×8×10; tire specification: 445/95R25; overall dimensions of crane: 15452×3000×4030.



 Hook block	Parts of line	Weight (kg)	Notes
160 t	15	1900	Dual-hook
85 t	7	1000	Dual-hook
40 t	3	700	Single-hook
12.5 t	1	460	Single-hook

Working speed



445/95 R 25*
(16.00 R 25)

1~80km/h

60%



0-130m/min, single line, 4th layer

112 kN

23 millimeters

300 m



0-130m/min, single line, 4th layer

112 kN

23 millimeters

260 m



0-1.5 r/min

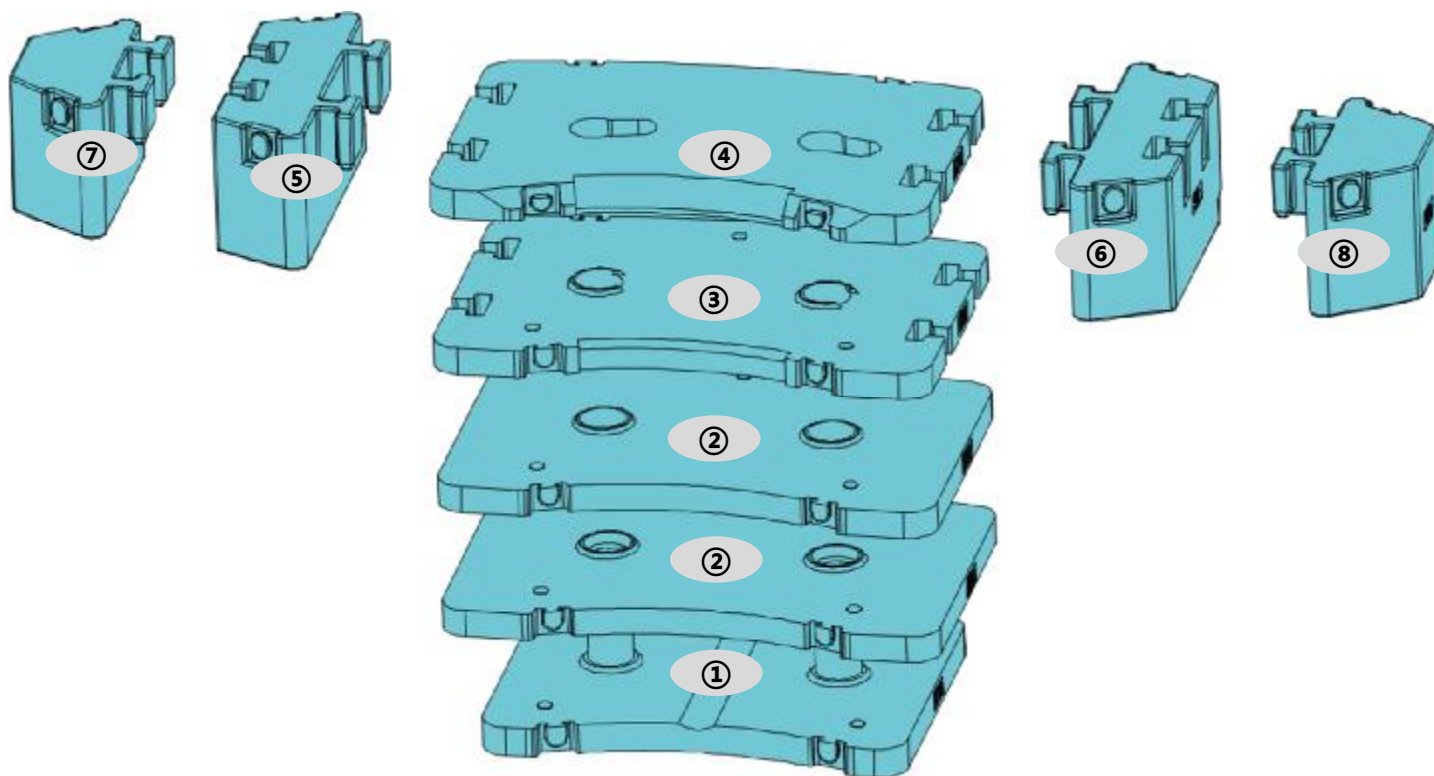


Approx. 55s for boom luffing from -0.5° to 85°



Approx. 750s for boom extending from 13.4m to 73m

Counterweight



	①	②	③	④	⑤	⑥	⑦	⑧
Dimensions (L×W×H) (mm)	2990×2350× 1024	3500×2350× 223	3500×2350× 232	3500×2300× 216	2207×950×1 008	2207×950×1 008	1601×9900 ×1008	1601×9900 ×1008
Weight (t)	10	10	10	10	19	19	6	6

Operation modes	80 t	68t	50t	40t	30t	20t	10t
Combinations	①+②×2+③+④ +⑤+⑥+⑦+⑧	①+②×2+③ +④+⑤+⑥	①+②×2+③ +④	①+②×2+③	①+②×2	①+②	①

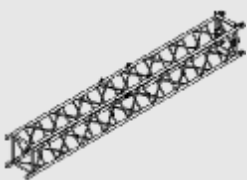
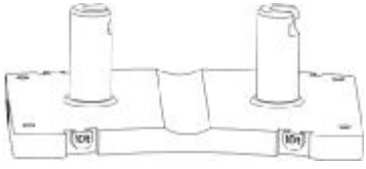
Note: the yellow counterweight slabs can be carried for short-distance jobsite transfer, while blue slabs cannot be carried for short-distance jobsite transfer

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimensions (mm)
Auxiliary winch assembly (With wire ropes)		2130	1	1500×1010×950
Auxiliary sheave		141	1	960×560×850
Main winch roller		18	1	1605×92×92
Hose reel		380	1	1600×1600×820
Spare tire bracket		65	1	2000×355×375
Spare tire		270	1	1484×1484×445
Offsetting bracket, connecting bracket and stepless luffing cylinder		920	1	5100×980×2440

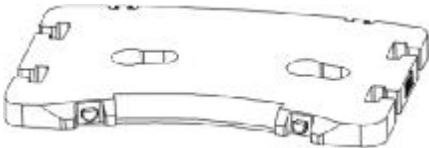
Note: here only lists the dimension and weight of the parts to be transported. The details of transport parts vary according to the declared configuration of different models.

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimensions (mm)
The 1st jib section assembly		630	1	7600×860×1000
The 2nd jib section assembly		460	1	8040×510×760
Jib extension I		540	1	8100×860×1155
Jib extension II		320	2	4100×860×1155
Boom extension		600	1	8200×950×1580
Counterweight slab ①		10000	1	2990×2350×1024
Counterweight slab ②		10000	2	3500×2350×223

Note: here only lists the dimension and weight of the parts to be transported. The details of transport parts vary according to the declared configuration of different models.

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimensions (mm)
Counterweight slab ③		10000	1	3500×2350×232
Counterweight slab ④		10000	1	3500×2300×216
Counterweight slab ⑤		19000	1	2207×950×1008
Counterweight slab ⑥		19000	1	2207×950×1008
Counterweight slab ⑦		6000	1	1601×9900×1008
Counterweight slab ⑧		6000	1	1601×9900×1008
160 t hook block		1900	1	2150×850×740

Note: here only lists the dimension and weight of the parts to be transported. The details of transport parts vary according to the declared configuration of different models.

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimensions (mm)
85 t hook block		1000	1	1930×740×680
40 t hook block		700	1	1690×740×320
12.5 t hook block		470	1	900×480×480

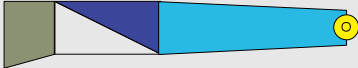
Note: here only lists the dimension and weight of the parts to be transported. The details of transport parts vary according to the declared configuration of different models.

Boom / Jib combinations

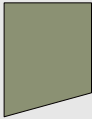
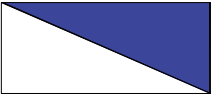
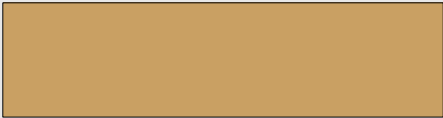
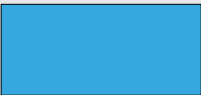
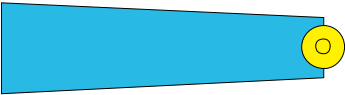


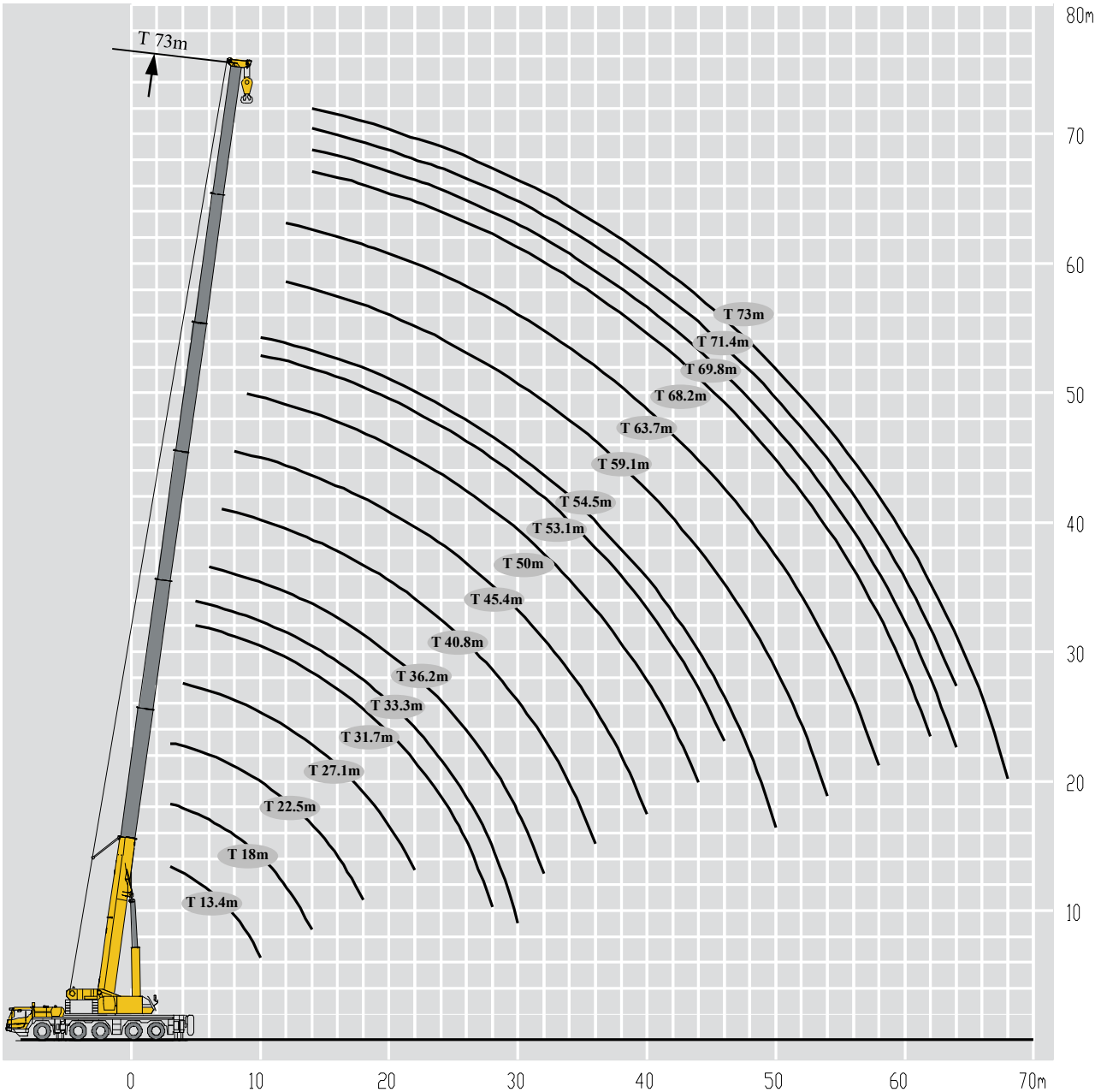
Boom	Jib	Boom extension
T: 13.4-73 m	T: 60.7-75 m F:12 m~36 m	T: 60.7~70.1 m V:8 m F:24 m ~ 36 m

Boom / Jib combinations

Jib	
Jib – 12 m	
Jib – 16 m	
Jib – 20 m	
Jib – 24 m	
Jib – 28 m	
Jib – 32 m	
Jib – 36 m	
Boom extension– 32m	
Boom extension– 36m	
Boom extension– 40m	
Boom extension– 44m	

Boom / Jib combinations

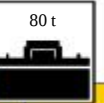
Components	Structure	Length (m)
Connecting bracket		1.6
Offsetting bracket		3.6
Boom extension		8.2
Jib extension I		8.2
Jib extension II		4.2
1st jib section		7.7
2nd jib section		8



Working range diagram

Boom

T 13.4-31.7m

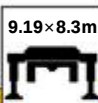
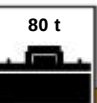
															
	13.4	18.0	18.0	18.0	22.5	22.5	22.5	22.5	22.5	27.1	27.1	27.1	27.1	31.7	
3	250*														3
3	150.0	66.9	150.0	150.0	49.9	71.3	140.0	150.0	150.0						3
3.5	150.0	63.2	145.0	145.0	46.4	68.4	140.0	140.0	140.0						3.5
4	140.0	60.1	140.0	140.0	43.6	65.4	135.0	134.0	133.0	47.9	69.4	121.0	121.0		4
4.5	135.0	57.0	130.0	129.0	41.0	62.4	127.0	126.0	126.0	43.4	66.2	121.0	121.0		4.5
5	122.0	54.4	123.0	122.0	38.6	59.7	120.0	119.0	118.0	39.9	63.6	117.9	115.4	34.4	5
6	106.0	49.6	108.0	108.0	34.8	55.3	107.0	106.0	105.7	35.9	59.5	104.4	102.1	31.0	6
7	100.0	46.0	95.0	95.0	31.8	51.4	96.0	95.0	94.0	32.7	55.7	93.9	91.3	28.2	7
8	94.4	42.4	85.0	85.0	29.2	48.3	86.0	85.0	85.0	29.9	52.3	85.5	82.8	25.9	8
9	77.0	39.8	77.0	77.0	26.8	44.9	78.0	77.0	77.0	27.4	49.4	78.2	75.6	23.8	9
10	65.0	37.3	70.0	70.0	25.1	41.3	70.6	70.0	69.0	25.4	46.7	71.0	69.0	22.0	10
12		33.7	59.3	58.4	22.0	35.9	58.6	56.9	55.9	22.1	40.9	59.1	55.8	19.1	12
14		30.6	48.7	48.0	19.6	31.4	47.0	46.6	45.7	19.6	36.4	48.8	45.5	16.8	14
16					17.5	27.9	42.3	40.0	39.0	17.4	32.6	41.3	38.1	15.1	16
18					16.0	25.3	36.3	34.5	33.5	15.8	29.5	35.4	32.3	13.6	18
20										14.3	27.1	31.9	27.7	12.4	20
22										13.2	25.0	27.8	24.7	11.4	22
24														10.4	24
26														9.7	26
28														9.0	28

Note: * Capacity class

Working range diagram

Boom

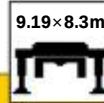
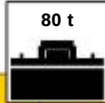
T 31.7-40.8m

																
	31.7	31.7	31.7	31.7	31.7	33.3	36.2	36.2	36.2	36.2	36.2	40.8	40.8	40.8		
5	52.1	66.7	101.0	101.0	101.0	32.7									5	
6	47.1	62.4	96.2	100.5	95.2	29.5	32.1	36.7	52.5	80.0	80.0				6	
7	42.4	59.0	87.8	90.0	85.3	26.8	29.5	34.1	48.2	80.0	78.6	29.0	38.7	57.2	7	
8	38.5	55.5	80.8	81.7	77.2	24.7	27.3	31.6	44.1	79.9	71.8	26.6	35.9	52.6	8	
9	35.4	52.5	74.4	74.8	70.7	22.8	25.4	29.4	40.4	73.3	66.0	24.6	33.2	48.0	9	
10	32.8	50.0	68.9	68.9	64.8	21.1	23.6	27.3	36.8	67.4	61.3	22.9	31.0	44.5	10	
12	28.5	45.4	59.5	57.6	56.0	18.4	20.7	23.8	31.9	58.1	52.9	20.0	27.0	38.0	12	
14	25.2	40.7	49.4	47.4	45.9	16.2	18.5	21.1	28.0	48.0	46.3	17.7	23.7	33.5	14	
16	22.5	36.6	41.8	40.0	38.5	14.4	16.5	18.9	24.9	40.6	38.9	15.9	21.2	29.7	16	
18	20.2	33.4	36.1	34.2	32.8	13.1	15.0	17.1	22.5	34.9	33.3	14.4	19.1	26.5	18	
20	18.4	30.7	31.5	29.7	28.2	11.9	13.7	15.5	20.3	30.4	28.8	13.1	17.4	24.2	20	
22	16.9	28.4	27.7	26.0	24.2	10.8	12.6	14.2	18.5	27.3	25.0	12.1	15.8	21.9	22	
24	15.5	26.0	25.2	23.4	21.6	9.9	11.6	13.0	17.0	24.2	22.0	11.3	14.5	20.1	24	
26	14.4	23.8	22.3	20.4	18.7	9.2	10.8	12.1	15.6	21.2	19.7	10.5	13.3	18.4	26	
28	13.4	21.3	19.7	17.8	16.3	8.5	10.2	11.3	14.5	18.8	17.1	9.8	12.3	17.0	28	
30						8.0	9.4	10.5	13.4	16.7	15.0	9.2	11.4	15.8	30	
32							8.9	9.8	12.6	14.9	13.2	8.7	10.6	14.8	32	
34												8.2	9.9	13.7	34	
36												7.8	9.2	12.0	36	

Working range diagram

Boom

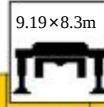
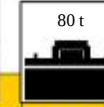
T 40.8-54.5m

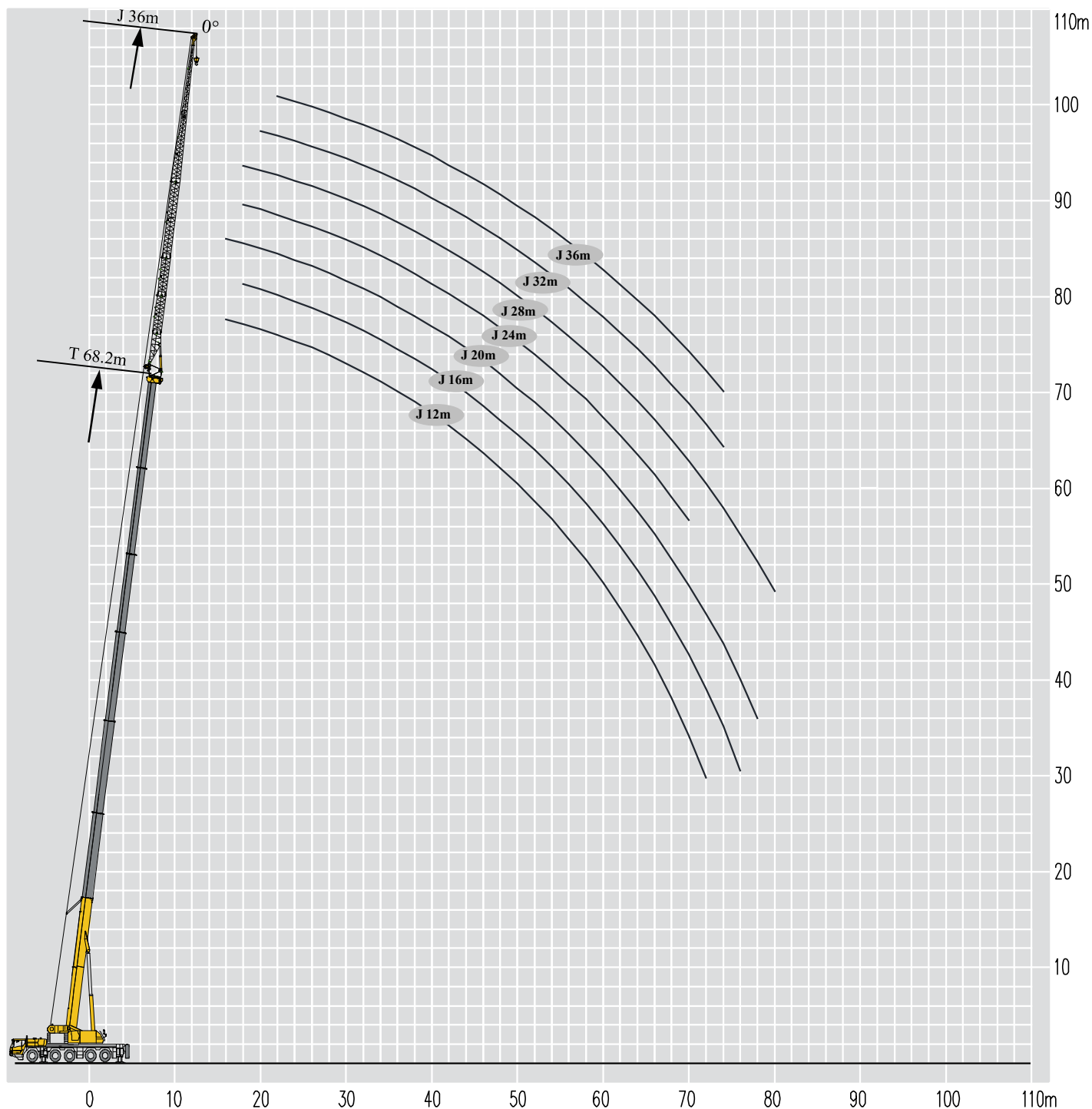
																
	40.8	40.8	45.4	45.4	45.4	45.4	50.0	50.0	50.0	50.0	50.0	53.1	54.5	54.5		
7	64.3	75.6													7	
8	60.6	69.1	27.9	33.5	59.5	53.9									8	
9	57.6	63.3	26.5	30.9	56.2	49.5	26.1	38.3	48.5	45.6	44.2				9	
10	55.2	58.4	24.6	28.8	52.0	45.8	24.6	35.6	45.0	42.5	40.9	22.4	24.7	28.8	10	
12	50.9	50.6	21.6	25.1	45.6	39.5	21.6	31.1	39.0	36.8	35.5	19.6	22.9	26.5	12	
14	47.0	44.6	19.2	22.3	40.4	34.8	19.2	27.7	34.6	32.3	31.1	17.4	20.6	23.6	14	
16	41.1	39.5	17.3	20.0	36.3	30.8	17.2	24.9	31.0	28.9	27.7	15.7	18.6	21.2	16	
18	35.4	33.9	15.7	18.1	32.8	27.7	15.7	22.5	27.9	25.9	25.0	14.3	16.9	19.3	18	
20	30.9	29.4	14.4	16.6	29.9	25.1	14.4	20.5	25.5	23.7	22.7	13.0	15.6	17.6	20	
22	27.3	25.7	13.2	15.3	26.4	22.9	13.2	19.0	23.5	21.6	20.7	12.0	14.4	16.2	22	
24	24.3	22.7	12.3	14.2	23.4	21.1	12.3	17.7	21.7	19.8	19.0	11.1	13.4	15.1	24	
26	21.6	19.8	11.5	13.3	20.8	19.2	11.4	16.4	20.1	18.4	17.6	10.3	12.5	14.1	26	
28	19.2	17.3	10.9	12.4	18.3	16.7	10.7	15.3	18.2	17.0	16.3	9.7	11.6	13.2	28	
30	17.0	15.2	10.2	11.7	16.2	14.6	10.1	14.4	16.1	15.4	15.2	9.1	10.9	12.3	30	
32	15.2	13.4	9.6	11.0	14.6	12.8	9.5	13.6	14.3	13.6	13.4	8.5	10.3	11.6	32	
34	14.3	12.5	9.1	10.4	13.2	11.2	9.0	12.9	13.3	12.0	11.8	8.1	9.7	10.9	34	
36	12.8	11.0	8.6	9.8	12.1	9.9	8.6	12.2	12.3	10.7	10.5	7.7	9.3	10.3	36	
38			8.2	9.3	11.2	9.3	8.2	11.6	11.0	9.4	9.2	7.3	8.9	9.8	38	
40			7.8	8.9	10.1	8.2	7.8	10.8	9.5	8.9	8.7	6.9	8.4	9.4	40	
42							7.4	9.8	8.5	8.0	7.9	6.5	8.0	8.9	42	
44							7.1	8.9	7.8	7.3	6.9	6.3	7.7	8.5	44	
46												6.1	7.4	8.2	46	
48													7.1	7.8	48	
50													6.9	7.1	50	

Working range diagram

Boom

T 54.5-73.0m

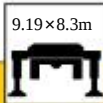
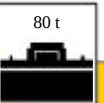
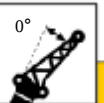
	 54.5-73.0m		 9.19x8.3m		 360°		 80 t										
	54.5	54.5	54.5	59.1	59.1	59.1	59.1	59.1	63.7	63.7	63.7	68.2	69.8	71.4	73.0		
10	31.2	36.0	34.0													10	
12	30.4	33.9	32.2	22.1	22.8	27.8	24.1	26.8	19.7	22.1	21.0					12	
14	27.2	30.4	28.8	20.7	21.2	27.3	22.4	26.6	19.7	21.2	20.8	19.0	17.3	16.0		14	
16	24.4	27.2	25.6	18.7	19.9	24.5	21.0	23.9	19.2	20.3	20.8	17.8	16.5	15.5	14.8	16	
18	22.1	24.6	23.2	17.1	18.6	22.2	19.5	21.6	17.9	19.4	19.3	16.8	16.0	14.9	14.0	18	
20	20.1	22.3	21.0	15.7	17.2	20.3	18.3	19.8	16.4	18.0	17.6	16.1	15.7	14.5	13.4	20	
22	18.5	20.5	19.2	14.5	15.9	18.7	17.1	18.0	15.2	16.5	16.2	14.9	14.5	13.9	13.4	22	
24	17.1	18.9	17.7	13.4	14.8	17.4	16.1	16.7	14.1	15.3	14.9	13.7	13.3	12.8	12.1	24	
26	15.9	17.5	16.3	12.5	13.9	16.1	15.1	15.4	13.1	14.3	13.9	12.7	12.4	11.8	11.3	26	
28	14.9	16.3	15.2	11.6	13.0	15.0	14.2	14.4	12.1	13.3	13.0	11.8	11.4	11.0	10.7	28	
30	13.9	15.2	14.1	10.9	12.2	14.0	13.4	13.5	11.4	12.5	12.0	11.0	10.7	10.3	10.0	30	
32	13.1	14.3	13.2	10.3	11.4	13.2	12.7	12.7	10.7	11.7	11.3	10.4	10.1	9.7	9.4	32	
34	12.3	12.9	12.4	9.7	10.9	12.4	11.8	11.9	10.2	11.0	10.6	9.9	9.5	9.1	8.8	34	
36	11.6	11.5	11.1	9.3	10.3	11.8	11.2	11.1	9.6	10.5	10.0	9.3	9.0	8.6	8.4	36	
38	11.0	10.3	9.9	8.8	9.8	10.9	10.7	10.6	9.2	9.9	9.5	8.9	8.5	8.2	7.9	38	
40	10.0	9.2	8.8	8.4	9.4	9.8	10.2	9.5	8.8	9.4	9.1	8.5	8.1	7.8	7.5	40	
42	9.0	8.2	7.8	8.0	9.0	8.9	9.3	8.5	8.4	9.0	8.5	8.0	7.7	7.4	7.1	42	
44	8.1	7.3	7.0	7.7	8.6	8.0	8.4	7.7	8.0	8.4	8.1	7.6	7.3	7.0	6.8	44	
46	7.3	6.5	6.2	7.3	8.4	7.5	7.6	6.9	7.7	7.6	7.3	7.3	6.9	6.7	6.5	46	
48	6.5	5.8	5.4	7.1	8.0	7.0	6.8	6.1	7.4	6.9	6.6	7.0	6.7	6.4	6.2	48	
50	5.9	5.6	5.3	6.8	7.3	6.7	6.2	5.5	7.0	6.2	5.9	6.5	6.4	6.1	5.9	50	
52				6.7	6.7	6.5	5.5	4.8	6.4	5.6	5.3	5.8	5.9	5.9	5.7	52	
54				6.3	6.1	6.2	5.0	4.3	5.8	5.3	4.8	5.3	5.3	5.3	5.3	54	
56									5.3	5.0	4.7	4.7	4.8	4.8	4.8	56	
58									4.8	4.8	4.4	4.3	4.3	4.3	4.3	58	
60												4.0	3.9	3.9	3.9	60	
62												3.8	3.6	3.4	3.4	62	
64													3.3	3.2	3.2	64	
66															3.0	66	
68															2.9	68	



Working range diagram

Boom

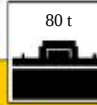
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
14	12.3	14.2	10.5	11.5				14
16	11.8	14.0	10.5	11.5	9.2	7.3		16
18	10.9	13.8	10.4	11.1	9.2	7.3		18
20	10.4	13.4	9.9	10.6	9.2	7.3		20
22	9.9	12.7	9.6	9.9	9.2	7.3		22
24	9.4	11.9	9.2	9.4	9.1	7.3		24
26	9.0	11.1	8.7	9.0	9.0	7.3		26
28	8.4	10.4	8.3	8.6	8.7	7.3		28
30	7.9	9.9	7.7	8.2	8.0	7.1		30
32	7.4	9.3	7.1	7.8	7.6	6.8		32
34	7.0	8.8	6.6	7.4	7.2	6.6		34
36	6.6	8.3	6.2	7.0	6.9	6.1		36
38	6.2	7.9	5.7	6.6	6.5	5.7		38
40	5.8	7.4	5.4	6.3	6.1	5.3		40
42	5.5	7.0	5.0	6.0	5.7	4.9		42
44	5.2	6.6	4.7	5.7	5.3	4.6		44
46	4.9	6.3	4.4	5.4	5.0	4.4		46
48	4.6	5.9	4.2	5.1	4.9	4.2		48
50	4.4	5.6	3.9	4.9	4.6	3.9		50
52	4.2	5.2	3.7	4.6	4.5	3.7		52
54	3.9	4.9	3.4	4.3	4.3	3.5		54
56	3.8	4.7	3.3	4.1	4.1	3.4		56
58	3.6	4.5	3.1	3.7	3.7	3.2		58
60	3.4	4.3	2.9	3.3	3.5	3.0		60
62	3.2	4.1	2.8	2.8	3.4	2.9		62
64	3.1	3.7	2.6	2.5	3.2	2.8		64
66	2.9	3.3	2.4	2.1	3.1	2.6		66
68			2.3	1.8	2.9	2.5		68
70			2.2	1.5	2.8	2.4		70
72					2.4	2.3		72
74						2.0		74

Working range diagram

Boom

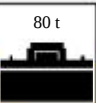
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
14	9.7	11.1					14	
16	9.6	10.9	8.8	9.5			16	
18	9.4	10.8	8.7	9.4	8.1	6.3	18	
20	9.2	10.5	8.6	9.3	8.0	6.4	20	
22	8.8	10.3	8.5	9.2	8.0	6.4	22	
24	8.4	10.1	8.2	9.1	7.9	6.4	24	
26	8.1	9.8	7.8	8.9	7.6	6.4	26	
28	7.7	9.6	7.5	8.6	7.4	6.4	28	
30	7.3	9.3	7.2	8.1	7.3	6.4	30	
32	7.0	8.8	6.7	7.8	6.9	6.2	32	
34	6.6	8.3	6.2	7.4	6.6	6.0	34	
36	6.2	7.9	5.7	7.1	6.3	5.7	36	
38	5.9	7.5	5.3	6.7	6.1	5.3	38	
40	5.5	7.1	5.0	6.3	5.7	4.9	40	
42	5.2	6.7	4.7	6.0	5.3	4.6	42	
44	4.9	6.3	4.4	5.7	5.0	4.3	44	
46	4.7	6.0	4.1	5.3	4.7	4.0	46	
48	4.4	5.7	3.8	5.0	4.4	3.7	48	
50	4.2	5.4	3.6	4.7	4.1	3.4	50	
52	4.0	5.1	3.3	4.4	3.9	3.2	52	
54	3.7	4.6	3.1	4.1	3.6	3.0	54	
56	3.5	4.1	2.9	3.9	3.4	2.8	56	
58	3.4	3.6	2.8	3.7	3.2	2.6	58	
60	3.2	3.2	2.6	3.4	3.0	2.4	60	
62	3.0	2.8	2.5	3.0	2.8	2.3	62	
64	2.9	2.4	2.3	2.6	2.7	2.1	64	
66	2.7	2.1	2.2	2.3	2.5	1.9	66	
68	2.6	1.7	2.0	1.9	2.2	1.8	68	
70	2.5	1.4	1.9	1.6	1.9	1.7	70	
72			1.8	1.3	1.6	1.5	72	
74			1.7	1.1	1.3	1.2	74	
76					1.1	1.0	76	

Working range diagram

Boom

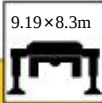
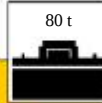
T 59.1-73m

      																			
		59.1	59.1	63.7	63.7	68.2	73												
14	6.3	6.8						14											
16	6.3	6.8	5.8	6.2	5.5			16											
18	6.3	6.8	5.8	6.2	5.6	5.1		18											
20	6.4	6.9	5.8	6.2	5.6	5.1		20											
22	6.4	6.9	5.9	6.3	5.6	5.1		22											
24	6.4	6.8	5.9	6.3	5.7	5.1		24											
26	6.3	6.4	6.0	6.3	5.7	5.2		26											
28	5.9	6.0	6.0	6.2	5.8	5.2		28											
30	5.5	5.6	5.8	5.9	5.8	5.3		30											
32	5.2	5.3	5.5	5.5	5.7	5.3		32											
34	4.9	5.0	5.2	5.2	5.5	5.3		34											
36	4.6	4.7	5.0	5.0	5.4	5.2		36											
38	4.4	4.4	4.7	4.7	5.2	5.1		38											
40	4.2	4.2	4.5	4.5	5.0	4.9		40											
42	4.0	4.0	4.4	4.3	4.8	4.6		42											
44	3.8	3.9	4.2	4.1	4.6	4.3		44											
46	3.7	3.7	4.0	3.9	4.4	4.1		46											
48	3.5	3.5	3.7	3.8	4.3	3.9		48											
50	3.4	3.4	3.5	3.6	4.2	3.5		50											
52	3.3	3.3	3.2	3.5	3.9	3.3		52											
54	3.2	3.2	3.1	3.4	3.7	3.1		54											
56	3.1	3.0	2.9	3.3	3.6	2.9		56											
58	3.0	2.9	2.7	3.2	3.5	2.8		58											
60	2.9	2.9	2.6	3.1	3.3	2.6		60											
62	2.8	2.8	2.4	3.0	3.1	2.5		62											
64	2.7	2.7	2.2	2.9	2.9	2.4		64											
66	2.7	2.6	2.1	2.6	2.7	2.2		66											
68	2.6	2.5	2.0	2.4	2.6	2.1		68											
70	2.5	2.3	1.9	2.3	2.4	2.0		70											
72	2.4	2.3	1.8	1.9	2.2	1.9		72											
74	2.2	1.2	1.6	1.6	2.0	1.8		74											
76			1.5	1.4	1.9	1.6		76											
78			1.5		1.7	1.4		78											

Working range diagram

Boom

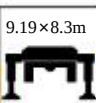
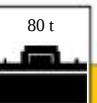
T 59.1-73m

      																			
		59.1	59.1	63.7	63.7	68.2	73												
16	5.8	6.3						16											
18	5.8	6.3	5.3	5.7	5.1			18											
20	5.8	6.4	5.3	5.7	5.1	4.6		20											
22	5.7	6.2	5.4	5.7	5.2	4.6		22											
24	5.6	6.1	5.3	5.6	5.1	4.6		24											
26	5.5	5.9	5.2	5.5	5.0	4.6		26											
28	5.3	5.8	5.1	5.4	4.9	4.5		28											
30	5.2	5.6	5.0	5.3	4.8	4.5		30											
32	5.1	5.2	5.0	5.2	4.8	4.4		32											
34	4.8	4.9	4.9	5.1	4.7	4.3		34											
36	4.6	4.7	4.8	4.9	4.6	4.3		36											
38	4.4	4.4	4.7	4.6	4.5	4.2		38											
40	4.2	4.2	4.5	4.4	4.5	4.2		40											
42	4.0	4.0	4.2	4.2	4.4	4.1		42											
44	3.8	3.8	4.0	4.1	4.3	3.9		44											
46	3.7	3.7	3.7	3.9	4.1	3.7		46											
48	3.5	3.5	3.5	3.8	4.0	3.4		48											
50	3.4	3.4	3.2	3.6	3.7	3.2		50											
52	3.3	3.3	3.0	3.5	3.5	3.0		52											
54	3.2	3.1	2.8	3.4	3.3	2.8		54											
56	3.1	3.1	2.6	3.3	3.1	2.6		56											
58	3.0	2.9	2.5	3.2	2.9	2.5		58											
60	2.9	2.8	2.3	3.1	2.7	2.3		60											
62	2.8	2.7	2.2	3.0	2.6	2.2		62											
64	2.7	2.7	2.0	2.8	2.4	2.1		64											
66	2.5	2.6	1.9	2.6	2.2	1.9		66											
68	2.4	2.2	1.7	2.5	2.1	1.9		68											
70	2.3	1.9	1.7	2.4	1.9	1.7		70											
72	2.2	1.6	1.5	2.3		1.6		72											
74	2.1	1.4				1.5		74											
76	2.0	1.1						76											

Working range diagram

Boom

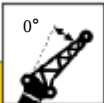
T 59.1-73m

Technical Specifications and Performance Data										
										
		59.1	59.1	63.7		63.7		68.2	73	
16	5.1	5.6								16
18	5.0	5.4	4.7	4.9	4.4					18
20	4.8	5.3	4.6	4.9	4.4	3.9				20
22	4.7	5.2	4.5	4.8	4.3	3.9				22
24	4.6	5.0	4.4	4.6	4.2	3.8				24
26	4.5	4.9	4.3	4.6	4.1	3.8				26
28	4.4	4.8	4.2	4.5	4.1	3.7				28
30	4.3	4.7	4.2	4.4	4.0	3.7				30
32	4.2	4.5	4.1	4.3	3.9	3.6				32
34	4.1	4.4	4.0	4.2	3.9	3.6				34
36	4.0	4.3	3.9	4.1	3.8	3.5				36
38	3.9	4.1	3.9	4.0	3.7	3.5				38
40	3.9	3.9	3.8	3.9	3.7	3.4				40
42	3.7	3.7	3.7	3.8	3.6	3.4				42
44	3.6	3.6	3.6	3.8	3.5	3.3				44
46	3.4	3.4	3.6	3.6	3.5	3.3				46
48	3.2	3.3	3.5	3.5	3.4	3.2				48
50	3.2	3.1	3.3	3.3	3.4	2.9				50
52	3.0	3.0	3.2	3.2	3.3	2.7				52
54	2.9	2.9	3.1	3.1	3.1	2.5				54
56	2.8	2.8	3.0	3.0	2.9	2.5				56
58	2.8	2.8	2.9	2.9	2.7	2.3				58
60	2.6	2.6	2.8	2.8	2.6	2.2				60
62	2.6	2.6	2.7	2.7	2.4	2.1				62
64	2.5	2.5	2.6	2.6	2.3	1.9				64
66	2.4	2.4	2.4	2.5	2.2	1.8				66
68	2.3	2.3	2.3	2.4	2.0	1.7				68
70	2.2	2.0	2.1	2.2	2.0	1.6				70
72	2.0	1.7	2.0	2.1	1.8	1.5				72
74	1.9	1.5	1.8	2.0	1.7	1.4				74
76	1.8	1.2	1.7	1.9	1.6	1.3				76
78	1.7		1.6	1.8	1.5					78
80				1.7						80

Working range diagram

Boom

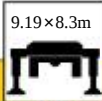
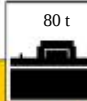
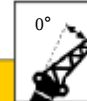
T 59.1-68.2m

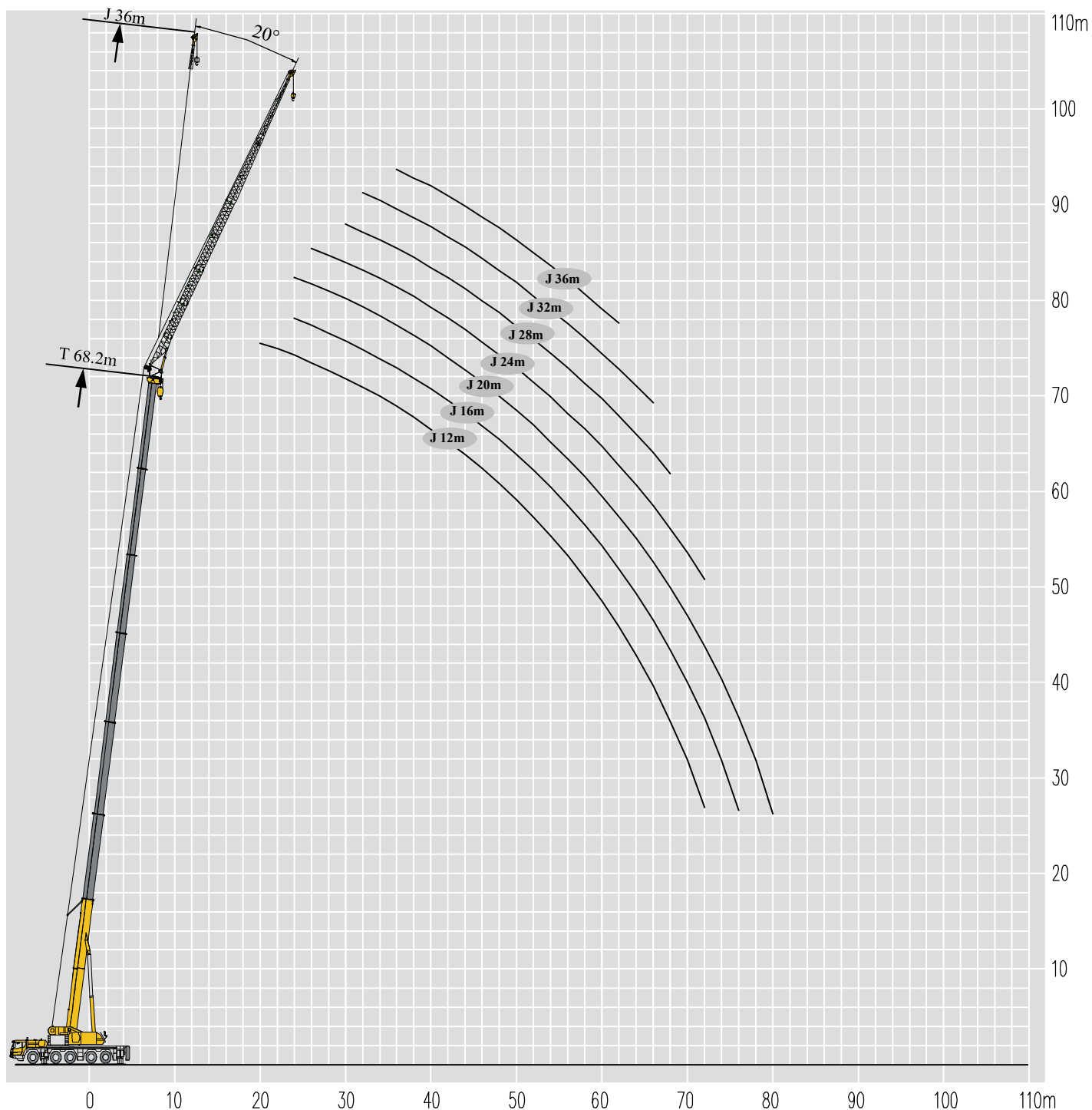
      								
		59.1	59.1	63.7	63.7	68.2		
16	4.3	4.7					16	
18	4.2	4.6	3.9	4.2			18	
20	4.1	4.5	3.9	4.1	3.7		20	
22	4.0	4.4	3.8	4.0	3.6		22	
24	3.9	4.2	3.7	3.9	3.5		24	
26	3.8	4.1	3.6	3.8	3.5		26	
28	3.7	4.0	3.6	3.7	3.4		28	
30	3.6	3.9	3.5	3.7	3.3		30	
32	3.5	3.8	3.4	3.6	3.3		32	
34	3.5	3.7	3.3	3.5	3.2		34	
36	3.4	3.6	3.3	3.4	3.2		36	
38	3.3	3.5	3.2	3.4	3.1		38	
40	3.2	3.4	3.1	3.3	3.1		40	
42	3.1	3.4	3.1	3.2	3.0		42	
44	3.1	3.3	3.0	3.1	2.9		44	
46	3.0	3.2	3.0	3.1	2.9		46	
48	3.0	3.1	2.9	3.0	2.8		48	
50	2.9	3.0	2.9	3.0	2.8		50	
52	2.8	3.0	2.8	2.9	2.7		52	
54	2.8	2.9	2.7	2.8	2.6		54	
56	2.7	2.8	2.5	2.6	2.4		56	
58	2.7	2.7	2.3	2.4	2.3		58	
60	2.5	2.6	2.1	2.3	2.1		60	
62	2.4	2.5	2.1	2.2	1.9		62	
64	2.2	2.4	2.0	2.1	1.8		64	
66	2.1	2.3	1.9	2.0	1.7		66	
68	2.0	2.1	1.8	1.9	1.6		68	
70	1.8	2.0	1.7	1.9	1.4		70	
72	1.7	1.8	1.5	1.8	1.3		72	
74	1.6	1.7	1.4	1.7	1.2		74	
76	1.5	1.6	1.3	1.6			76	
78	1.4	1.5	1.2				78	
80	1.3		1.1				80	
82	1.2		1.0				82	

Working range diagram

Boom

T 59.1-68.2m

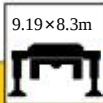
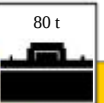
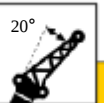
TC 501 60.2m										
										
59.1		59.1		63.7		63.7		68.2		
18	3.5	3.9								18
20	3.4	3.8	3.3	3.4						20
22	3.3	3.7	3.2	3.4	3.0					22
24	3.3	3.6	3.1	3.3	3.0					24
26	3.2	3.5	3.0	3.2	2.9					26
28	3.1	3.4	3.0	3.1	2.8					28
30	3.0	3.3	2.9	3.1	2.8					30
32	3.0	3.2	2.8	3.0	2.7					32
34	2.9	3.1	2.8	2.9	2.7					34
36	2.8	3.0	2.7	2.9	2.6					36
38	2.7	3.0	2.7	2.8	2.6					38
40	2.7	2.9	2.6	2.7	2.6					40
42	2.6	2.8	2.6	2.7	2.6					42
44	2.6	2.8	2.5	2.6	2.5					44
46	2.5	2.7	2.5	2.6	2.5					46
48	2.5	2.7	2.4	2.5	2.5					48
50	2.4	2.7	2.4	2.4	2.5					50
52	2.3	2.6	2.3	2.4	2.4					52
54	2.3	2.6	2.2	2.3	2.3					54
56	2.2	2.5	2.2	2.3	2.2					56
58	2.2	2.5	2.1	2.2	2.2					58
60	2.1	2.4	2.1	2.1	2.1					60
62	2.1	2.3	2.0	2.0	2.0					62
64	2.0	2.2	1.9	1.9	1.9					64
66	1.9	2.1	1.9	1.9	1.8					66
68	1.8	2.0	1.9	1.8	1.7					68
70	1.7	1.8	1.8	1.7	1.6					70
72	1.7	1.7	1.7	1.6	1.6					72
74	1.6	1.6	1.6	1.5	1.5					74
76	1.6	1.5	1.5	1.4	1.4					76
78	1.5	1.4	1.4	1.2	1.3					78
80	1.4	1.4	1.3							80
82	1.3		1.2							82
84	1.2		1.1							84



Working range diagram

Boom

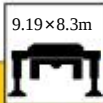
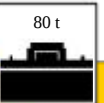
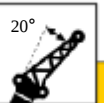
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
18	10.2	11.8	9.7	11.3			18	
20	9.7	11.5	9.4	10.9	9.0		20	
22	9.2	11.2	9.0	10.4	8.7	7.8	22	
24	8.8	11.1	8.6	10.0	8.4	7.6	24	
26	8.3	10.7	8.3	9.5	8.1	7.3	26	
28	7.9	10.1	7.9	9.0	7.8	7.3	28	
30	7.5	9.6	7.6	8.6	7.6	6.9	30	
32	7.2	9.1	7.3	8.1	7.3	6.5	32	
34	6.8	8.6	6.9	7.5	6.9	6.0	34	
36	6.5	8.1	6.5	7.0	6.4	5.6	36	
38	6.1	7.5	6.2	6.5	6.1	5.3	38	
40	5.8	7.1	5.7	6.1	5.7	5.1	40	
42	5.5	6.8	5.5	5.7	5.4	4.7	42	
44	5.2	6.4	5.1	5.3	5.2	4.5	44	
46	4.9	6.1	4.8	5.0	4.9	4.3	46	
48	4.6	5.8	4.5	4.7	4.7	4.0	48	
50	4.4	5.5	4.2	4.4	4.4	3.8	50	
52	4.1	5.3	4.0	4.1	4.2	3.6	52	
54	4.0	5.0	3.8	3.8	4.1	3.5	54	
56	3.8	4.9	3.6	3.6	3.9	3.3	56	
58	3.6	4.7	3.4	3.3	3.7	3.2	58	
60	3.4	4.0	3.2	3.2	3.6	3.0	60	
62	3.2	3.6	3.0	2.9	3.5	2.9	62	
64	3.1	3.1	2.6	2.5	3.3	2.8	64	
66			2.4	2.2	3.2	2.7	66	
68			2.2	2.0	2.9	2.5	68	
70					2.5	2.3	70	
72					2.0	2.0	72	

Working range diagram

Boom

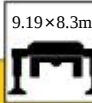
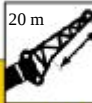
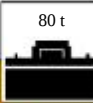
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
20	8.2	8.5					20	
22	7.9	8.3	7.5	7.7			22	
24	7.6	8.1	7.3	7.6	7.0		24	
26	7.2	8.0	7.1	7.5	6.9	6.4	26	
28	7.0	7.8	6.9	7.4	6.8	6.2	28	
30	6.7	7.7	6.7	7.3	6.6	6.1	30	
32	6.4	7.5	6.5	7.2	6.4	5.9	32	
34	6.1	7.3	6.2	7.0	6.2	5.6	34	
36	5.8	7.2	5.9	6.6	5.8	5.2	36	
38	5.6	7.0	5.7	6.2	5.5	4.8	38	
40	5.4	6.6	5.3	5.7	5.1	4.5	40	
42	5.1	6.2	5.0	5.3	4.8	4.2	42	
44	4.9	5.8	4.7	5.0	4.4	3.8	44	
46	4.6	5.4	4.4	4.7	4.1	3.5	46	
48	4.4	5.1	4.2	4.4	3.8	3.3	48	
50	4.2	4.8	3.9	4.1	3.6	3.1	50	
52	4.0	4.5	3.6	3.8	3.3	2.8	52	
54	3.8	4.2	3.4	3.5	3.1	2.6	54	
56	3.6	3.9	3.2	3.3	2.9	2.4	56	
58	3.4	3.7	3.0	3.1	2.7	2.2	58	
60	3.2	3.5	2.9	2.9	2.5	2.0	60	
62	3.0	3.2	2.7	2.7	2.4	1.9	62	
64	2.9	2.8	2.6	2.5	2.2	1.7	64	
66	2.7	2.4	2.4	2.3	2.0	1.5	66	
68	2.6	2.0	2.2	2.1	1.9	1.4	68	
70			2.1	1.9	1.7		70	
72			1.9	1.6	1.6		72	
74					1.5		74	
76					1.3		76	

Working range diagram

Boom

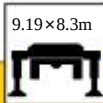
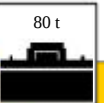
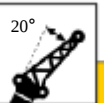
T 59.1-73m

										
	59.1	59.1	59.1	63.7	63.7	68.2	73			
20	4.5	4.6								20
22	4.3	4.4		4.4	4.4					22
24	4.2	4.2		4.2	4.2	4.3				24
26	4.0	4.0		4.1	4.1	4.1	4.1			26
28	3.8	3.9		3.9	3.9	4.0	4.0			28
30	3.7	3.7		3.8	3.8	3.9	3.9			30
32	3.6	3.6		3.7	3.7	3.8	3.8			32
34	3.5	3.5		3.6	3.6	3.7	3.7			34
36	3.4	3.4		3.5	3.5	3.6	3.7			36
38	3.3	3.3		3.4	3.4	3.5	3.6			38
40	3.2	3.2		3.3	3.3	3.4	3.5			40
42	3.1	3.1		3.2	3.2	3.3	3.5			42
44	3.1	3.0		3.2	3.2	3.3	3.4			44
46	3.0	3.0		3.1	3.1	3.2	3.4			46
48	2.9	2.9		3.0	3.0	3.2	3.2			48
50	2.9	2.8		3.0	3.0	3.1	3.0			50
52	2.8	2.8		2.9	2.9	3.1	2.8			52
54	2.8	2.8		2.9	2.9	3.0	2.6			54
56	2.7	2.7		2.9	2.8	2.9	2.5			56
58	2.7	2.7		2.8	2.8	2.7	2.4			58
60	2.7	2.6		2.8	2.8	2.6	2.2			60
62	2.7	2.6		2.7	2.7	2.4	2.1			62
64	2.6	2.6		2.5	2.5	2.3	2.0			64
66	2.6	2.6		2.4	2.4	2.2	1.8			66
68	2.6	2.5		2.2	2.2	2.0				68
70	2.5	2.1		2.1	2.0	1.9				70
72	2.3	1.8		2.0	1.9	1.8				72
74				1.9	1.7	1.7				74
76				1.8	1.6	1.6				76
78						1.4				78
80						1.3				80

Working range diagram

Boom

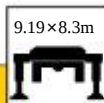
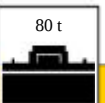
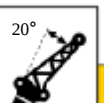
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
22	4.3	4.4						22
24	4.1	4.2	4.1	4.2				24
26	4.0	4.0	4.0	4.1	4.1			26
28	3.8	3.9	3.9	3.9	4.0	3.9		28
30	3.7	3.7	3.8	3.8	3.8	3.8		30
32	3.6	3.6	3.6	3.7	3.7	3.8		32
34	3.5	3.5	3.5	3.5	3.6	3.7		34
36	3.4	3.4	3.4	3.4	3.5	3.6		36
38	3.3	3.3	3.3	3.3	3.4	3.5		38
40	3.2	3.2	3.3	3.3	3.4	3.5		40
42	3.1	3.1	3.2	3.2	3.3	3.4		42
44	3.0	3.0	3.1	3.1	3.2	3.3		44
46	3.0	2.9	3.1	3.0	3.2	3.3		46
48	2.9	2.9	3.0	3.0	3.1	3.0		48
50	2.8	2.8	2.9	2.9	3.0	2.8		50
52	2.8	2.7	2.9	2.9	3.0	2.6		52
54	2.7	2.7	2.9	2.8	2.9	2.4		54
56	2.7	2.6	2.8	2.8	2.7	2.2		56
58	2.6	2.6	2.7	2.7	2.5	2.0		58
60	2.6	2.6	2.6	2.7	2.3	1.9		60
62	2.6	2.5	2.4	2.5	2.2	1.7		62
64	2.6	2.5	2.3	2.3	2.0	1.5		64
66	2.5	2.5	2.1	2.2	1.8			66
68	2.4	2.5	2.0	2.0	1.7			68
70	2.3	2.3	1.8	1.8	1.5			70
72	2.2	2.0	1.7	1.7	1.4			72
74	2.1	1.7	1.6	1.6				74
76	2.0	1.4	1.5	1.4				76
78			1.4	1.3				78
80			1.3	1.2				80

Working range diagram

Boom

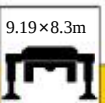
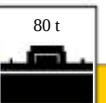
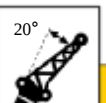
T 59.1-73m

										
	59.1	59.1	63.7	63.7	68.2	73				
26	3.6	3.7								26
28	3.6	3.6	3.5	3.6						28
30	3.4	3.5	3.4	3.5	3.3					30
32	3.3	3.3	3.3	3.4	3.3	3.1				32
34	3.2	3.2	3.3	3.3	3.2	3.0				34
36	3.1	3.1	3.2	3.2	3.1	3.0				36
38	3.0	3.0	3.1	3.1	3.1	2.9				38
40	2.9	2.9	3.0	3.0	3.1	2.9				40
42	2.8	2.9	2.9	2.9	3.0	2.9				42
44	2.8	2.8	2.8	2.8	2.9	2.8				44
46	2.7	2.7	2.8	2.8	2.9	2.8				46
48	2.6	2.6	2.7	2.7	2.8	2.8				48
50	2.6	2.6	2.7	2.7	2.8	2.6				50
52	2.5	2.5	2.6	2.6	2.7	2.4				52
54	2.5	2.4	2.6	2.6	2.6	2.2				54
56	2.4	2.4	2.5	2.5	2.5	2.0				56
58	2.4	2.4	2.5	2.4	2.3	1.9				58
60	2.3	2.3	2.3	2.4	2.1	1.7				60
62	2.3	2.3	2.2	2.3	2.0					62
64	2.3	2.2	2.0	2.2	1.8					64
66	2.2	2.2	1.9	2.0	1.6					66
68	2.2	2.2	1.8	1.8	1.5					68
70	2.1	2.1	1.6	1.7						70
72	1.9	2.0	1.5	1.5						72
74	1.8	1.8	1.4	1.4						74
76	1.7	1.6	1.3	1.3						76
78	1.6	1.3								78
80	1.5	1.0								80

Working range diagram

Boom

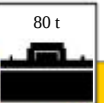
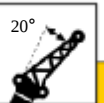
T 59.1-68.2m

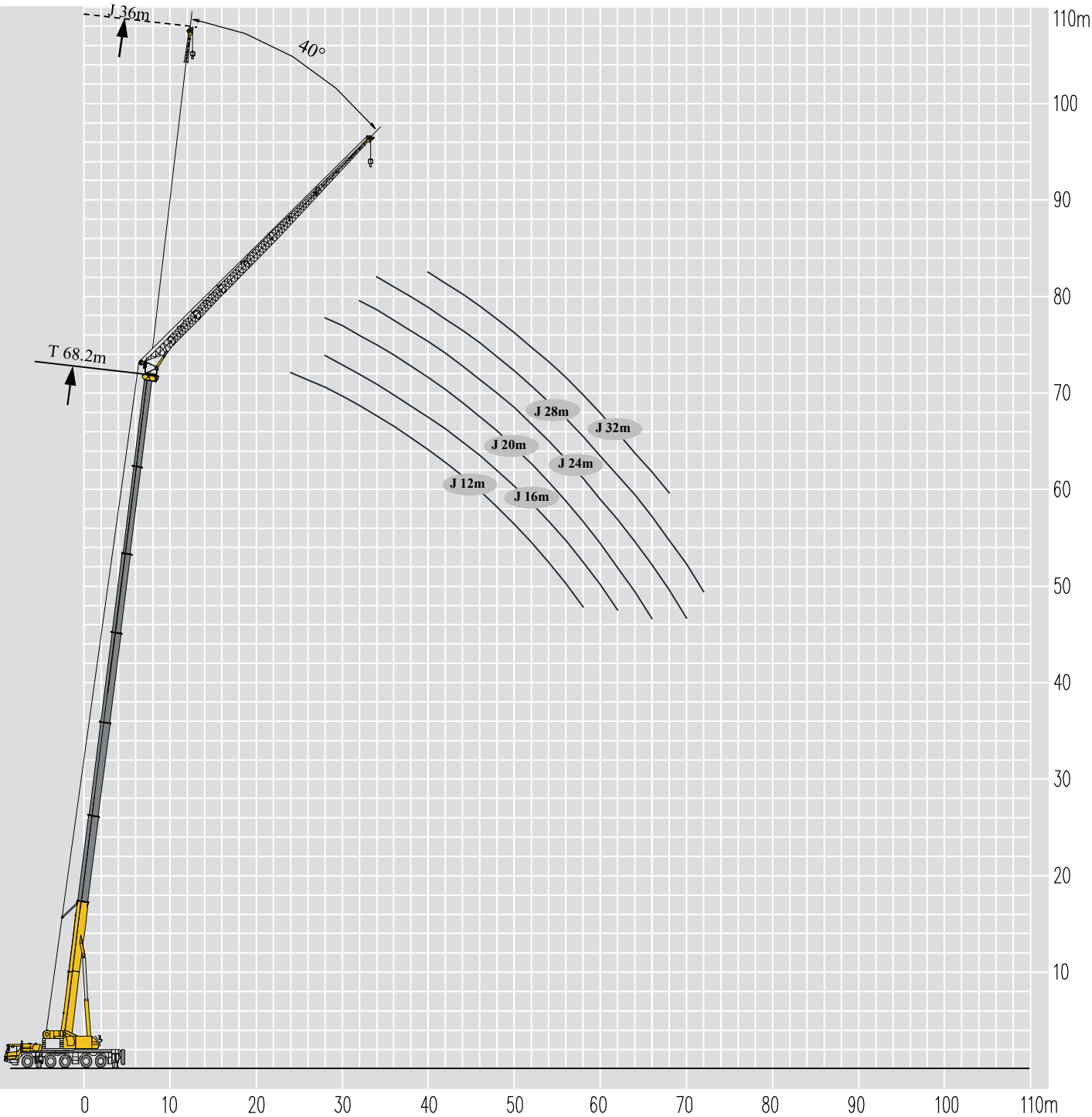
Technical Specifications						
						
	59.1	59.1	63.7	63.7	68.2	
28	2.9	3.1				28
30	2.9	3.1	2.8	2.9		30
32	2.8	3.0	2.8	2.9	2.7	32
34	2.8	2.9	2.7	2.8	2.6	34
36	2.7	2.8	2.7	2.7	2.6	36
38	2.7	2.7	2.6	2.7	2.6	38
40	2.6	2.6	2.6	2.6	2.5	40
42	2.5	2.5	2.5	2.6	2.5	42
44	2.5	2.5	2.5	2.5	2.4	44
46	2.4	2.4	2.5	2.5	2.4	46
48	2.3	2.3	2.4	2.4	2.4	48
50	2.3	2.3	2.3	2.3	2.3	50
52	2.2	2.2	2.3	2.3	2.3	52
54	2.2	2.2	2.2	2.2	2.3	54
56	2.1	2.1	2.2	2.2	2.2	56
58	2.1	2.1	2.2	2.2	2.1	58
60	2.0	2.0	2.1	2.1	2.0	60
62	2.0	2.0	2.0	2.1	1.8	62
64	2.0	1.9	1.9	2.0	1.7	64
66	1.9	1.9	1.8	1.9	1.5	66
68	1.9	1.9	1.6	1.7		68
70	1.8	1.8	1.5	1.6		70
72	1.8	1.8	1.4	1.4		72
74	1.6	1.8				74
76	1.5	1.6				76
78	1.4	1.5				78
80	1.4	1.3				80
82	1.3	1.0				82
84	1.2					84

Working range diagram

Boom

T 59.1-68.2m

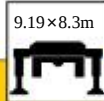
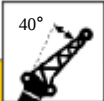
      								
		59.1	59.1	63.7	63.7	68.2		
30	2.4	2.5					30	
32	2.4	2.5	2.3	2.4			32	
34	2.3	2.4	2.2	2.3			34	
36	2.3	2.4	2.2	2.3	2.1		36	
38	2.2	2.3	2.1	2.2	2.1		38	
40	2.2	2.3	2.1	2.2	2.0		40	
42	2.1	2.2	2.1	2.1	2.0		42	
44	2.1	2.1	2.0	2.1	2.0		44	
46	2.0	2.1	2.0	2.0	2.0		46	
48	2.0	2.1	2.0	2.0	1.9		48	
50	1.9	2.0	1.9	2.0	1.9		50	
52	1.9	2.0	1.9	1.9	1.9		52	
54	1.8	1.9	1.9	1.9	1.8		54	
56	1.8	1.9	1.8	1.9	1.8		56	
58	1.8	1.9	1.8	1.8	1.8		58	
60	1.7	1.9	1.8	1.8	1.8		60	
62	1.7	1.8	1.8	1.7	1.6		62	
64	1.6	1.8	1.7	1.7	1.6		64	
66	1.6	1.7	1.6	1.7	1.6		66	
68	1.6	1.7	1.4	1.5	1.5		68	
70	1.6	1.5			1.4		70	
72	1.5	1.5			1.3		72	
74	1.4	1.5			1.2		74	
76	1.3	1.4			1.0		76	



Working range diagram

Boom

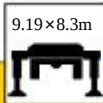
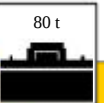
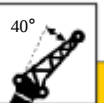
T 59.1-73m

							K 5000 70m	
	59.1	59.1	63.7	63.7	68.2	73		
20	9.1	9.2					20	
22	8.7	9.1	8.6	9.0			22	
24	8.3	9.1	8.2	8.9	8.2		24	
26	7.9	9.0	7.9	8.8	7.9	7.2	26	
28	7.5	8.9	7.6	8.7	7.6	7.0	28	
30	7.2	8.8	7.2	8.4	7.3	6.8	30	
32	6.9	8.7	7.0	8.0	7.0	6.4	32	
34	6.6	8.4	6.7	7.4	6.7	5.9	34	
36	6.4	7.9	6.4	6.9	6.3	5.5	36	
38	6.1	7.5	6.1	6.5	6.0	5.3	38	
40	5.8	7.3	5.8	6.1	5.7	4.9	40	
42	5.4	7.0	5.4	5.6	5.4	4.6	42	
44	5.1	6.7	5.1	5.3	5.1	4.5	44	
46	4.9	6.3	4.8	5.0	4.9	4.3	46	
48	4.6	6.0	4.5	4.7	4.7	4.1	48	
50	4.4	5.8	4.3	4.4	4.3	3.8	50	
52	4.2	5.5	4.0	4.1	3.9	3.6	52	
54			3.8	3.8	3.7	3.4	54	
56			3.6	3.6	3.6	3.2	56	
58					3.3	3.0	58	
60						2.9	60	
62						2.7	62	

Working range diagram

Boom

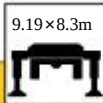
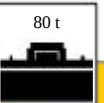
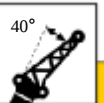
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
24	6.5	6.7						24
26	6.4	6.6	6.3	6.5				26
28	6.3	6.5	6.2	6.4	6.1			28
30	6.2	6.4	6.2	6.3	6.1	5.8		30
32	6.0	6.3	6.0	6.2	6.0	5.6		32
34	5.8	6.2	5.8	6.1	5.8	5.5		34
36	5.6	6.1	5.6	6.0	5.7	5.2		36
38	5.4	6.1	5.5	6.0	5.4	4.8		38
40	5.2	6.0	5.2	5.6	5.0	4.4		40
42	5.0	6.0	4.9	5.3	4.7	4.2		42
44	4.8	5.8	4.6	5.0	4.5	4.0		44
46	4.6	5.4	4.4	4.7	4.3	3.9		46
48	4.4	5.1	4.2	4.4	4.1	3.7		48
50	4.2	4.8	4.0	4.3	3.9	3.4		50
52	4.0	4.5	3.8	4.0	3.6	3.1		52
54	3.8	4.2	3.6	3.8	3.4	3.0		54
56	3.6	3.9	3.5	3.7	3.2	2.9		56
58			3.3	3.5	3.1	2.8		58
60			2.9	2.9	2.8	2.7		60
62					2.7	2.6		62
64						2.5		64
66						2.3		66

Working range diagram

Boom

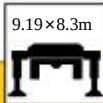
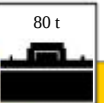
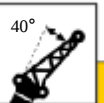
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
26	3.2	3.2	3.2	3.2				26
28	3.1	3.2	3.2	3.2	3.2			28
30	3.1	3.1	3.1	3.1	3.1	3.1		30
32	3.0	3.0	3.1	3.1	3.1	3.1		32
34	3.0	3.0	3.0	3.0	3.1	3.1		34
36	2.9	2.9	3.0	3.0	3.0	3.0		36
38	2.9	2.9	3.0	2.9	3.0	3.0		38
40	2.9	2.9	2.9	2.9	2.9	3.0		40
42	2.8	2.8	2.9	2.9	2.9	3.0		42
44	2.8	2.8	2.9	2.9	2.9	2.9		44
46	2.8	2.8	2.8	2.8	2.9	2.9		46
48	2.8	2.7	2.8	2.8	2.9	2.9		48
50	2.8	2.7	2.8	2.8	2.9	2.9		50
52	2.7	2.7	2.8	2.8	2.8	2.9		52
54	2.7	2.7	2.8	2.8	2.8	2.9		54
56	2.7	2.6	2.7	2.8	2.8	2.8		56
58	2.7	2.6	2.7	2.7	2.8	2.6		58
60	2.7	2.6	2.7	2.7	2.7	2.4		60
62			2.7	2.7	2.7	2.2		62
64			2.6	2.6	2.5	2.0		64
66					2.4	1.8		66
68						1.6		68
70						1.5		70

Working range diagram

Boom

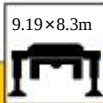
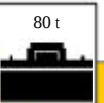
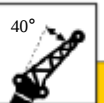
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
28	2.7	2.8						28
30	2.7	2.7	2.7	2.7				30
32	2.6	2.6	2.7	2.7	2.7			32
34	2.6	2.6	2.6	2.6	2.6	2.7		34
36	2.5	2.5	2.6	2.6	2.6	2.6		36
38	2.5	2.5	2.5	2.5	2.6	2.6		38
40	2.5	2.5	2.5	2.5	2.5	2.6		40
42	2.4	2.4	2.5	2.5	2.5	2.5		42
44	2.4	2.4	2.5	2.4	2.5	2.5		44
46	2.4	2.4	2.4	2.4	2.5	2.5		46
48	2.4	2.4	2.4	2.4	2.4	2.5		48
50	2.4	2.3	2.4	2.4	2.4	2.5		50
52	2.4	2.3	2.4	2.4	2.4	2.5		52
54	2.3	2.3	2.4	2.4	2.4	2.4		54
56	2.3	2.3	2.4	2.4	2.4	2.3		56
58	2.3	2.3	2.4	2.4	2.4	2.1		58
60	2.3	2.3	2.4	2.4	2.4	1.9		60
62	2.4	2.3	2.4	2.4	2.2	1.8		62
64	2.4	2.3	2.3	2.3	2.1	1.6		64
66			2.1	2.2	1.9	1.5		66
68					1.7			68
70					1.6			70

Working range diagram

Boom

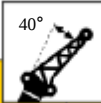
T 59.1-73m

								
	59.1	59.1	63.7	63.7	68.2	73		
32	2.4	2.4						32
34	2.4	2.4	2.4	2.4	2.4			34
36	2.3	2.3	2.3	2.3	2.4			36
38	2.3	2.3	2.3	2.3	2.3	2.3		38
40	2.2	2.2	2.3	2.3	2.3	2.3		40
42	2.2	2.2	2.2	2.2	2.3	2.3		42
44	2.2	2.2	2.2	2.2	2.2	2.3		44
46	2.1	2.1	2.2	2.2	2.2	2.3		46
48	2.1	2.1	2.2	2.1	2.2	2.2		48
50	2.1	2.1	2.1	2.1	2.2	2.2		50
52	2.1	2.1	2.1	2.1	2.2	2.2		52
54	2.1	2.0	2.1	2.1	2.1	2.2		54
56	2.1	2.0	2.1	2.1	2.1	2.1		56
58	2.1	2.0	2.1	2.1	2.1	1.9		58
60	2.1	2.0	2.1	2.1	2.1	1.8		60
62	2.1	2.0	2.1	2.1	2.0	1.6		62
64	2.1	2.0	2.1	2.1	1.8			64
66	2.1	2.0	1.9	2.0	1.7			66
68	2.1	2.0	1.8	1.9	1.6			68
70			1.7	1.7	1.4			70
72					1.3			72

Working range diagram

Boom

T 59.1-68.2m

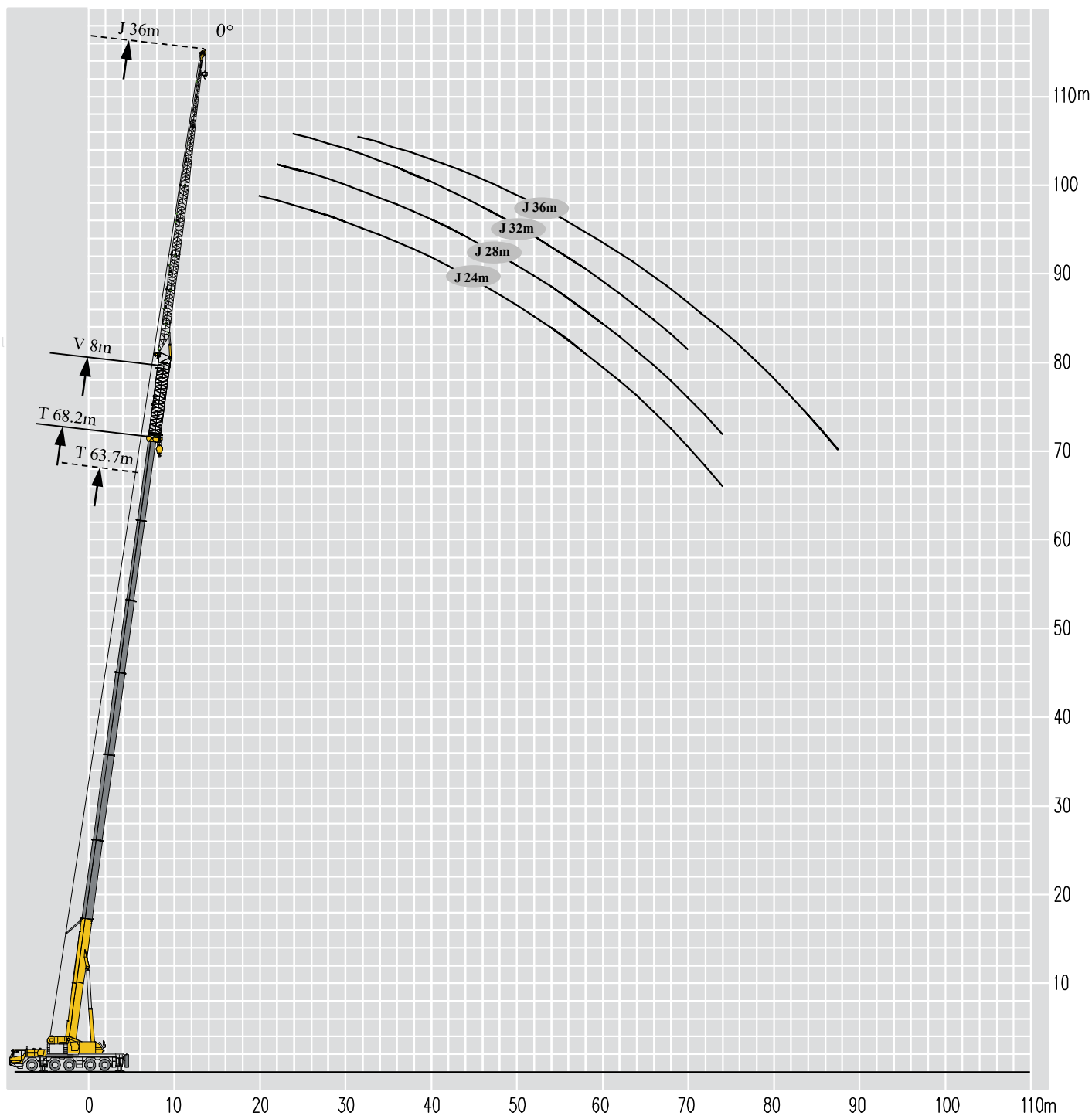
      								
		59.1	59.1	63.7	63.7	68.2		
36	2.0	2.0					36	
38	2.0	2.0	2.0	2.0			38	
40	2.0	2.0	2.0	2.0	2.0	2.0	40	
42	1.9	1.9	1.9	1.9	2.0	2.0	42	
44	1.9	1.9	1.9	1.9	1.9	1.9	44	
46	1.9	1.9	1.9	1.9	1.9	1.9	46	
48	1.8	1.8	1.9	1.9	1.9	1.9	48	
50	1.8	1.8	1.8	1.8	1.8	1.9	50	
52	1.8	1.8	1.8	1.8	1.8	1.9	52	
54	1.8	1.8	1.8	1.8	1.8	1.8	54	
56	1.8	1.7	1.8	1.8	1.8	1.8	56	
58	1.7	1.7	1.8	1.8	1.8	1.8	58	
60	1.7	1.7	1.8	1.8	1.8	1.8	60	
62	1.7	1.7	1.8	1.8	1.8	1.8	62	
64	1.7	1.7	1.8	1.7	1.8	1.8	64	
66	1.7	1.7	1.8	1.7	1.6	1.6	66	
68	1.7	1.7	1.7	1.7	1.5	1.5	68	
70	1.8	1.7	1.5	1.6			70	
72	1.8	1.7	1.4	1.5			72	
74			1.3	1.4			74	

Working range diagram

Boom

T 59.1-63.7m

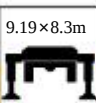
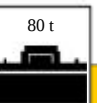
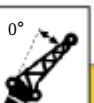
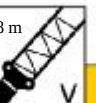
      					
	59.1	59.1	63.7	63.7	
40	1.7	1.7			40
42	1.6	1.6	1.6	1.7	42
44	1.6	1.6	1.6	1.6	44
46	1.6	1.6	1.6	1.6	46
48	1.5	1.5	1.6	1.6	48
50	1.5	1.5	1.5	1.5	50
52	1.5	1.5	1.5	1.5	52
54	1.5	1.5	1.5	1.5	54
56	1.4	1.4	1.5	1.5	56
58	1.4	1.4	1.5	1.4	58
60	1.4	1.4	1.4	1.4	60
62	1.4	1.4	1.4	1.4	62
64	1.4	1.4	1.4	1.4	64
66	1.4	1.4	1.4	1.4	66
68	1.4	1.4	1.4	1.4	68
70	1.4	1.4	1.4	1.4	70
72	1.4	1.4		1.4	72
74	1.4	1.4			74
76	1.4	1.4			76



Working range diagram

Boom extension

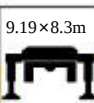
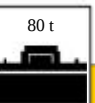
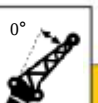
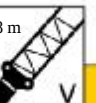
T 59.1-68.2m

TOWER CRANES										
										
		59.1+8	59.1+8	63.7+8		63.7+8		68.2+8		
16	4.6	5.1							16	
18	4.6	5.0	4.3	4.6					18	
20	4.5	5.0	4.2	4.5	4.0				20	
22	4.4	5.0	4.2	4.5	4.0				22	
24	4.4	4.9	4.1	4.4	3.9				24	
26	4.3	4.8	4.1	4.4	3.9				26	
28	4.2	4.7	4.0	4.3	3.8				28	
30	4.1	4.6	3.9	4.2	3.8				30	
32	4.0	4.5	3.9	4.1	3.7				32	
34	3.9	4.4	3.8	4.0	3.6				34	
36	3.7	4.3	3.7	4.0	3.6				36	
38	3.6	4.2	3.5	3.9	3.5				38	
40	3.5	4.1	3.4	3.8	3.4				40	
42	3.3	4.0	3.3	3.8	3.3				42	
44	3.2	3.9	3.2	3.7	3.2				44	
46	3.1	3.8	3.1	3.6	3.1				46	
48	3.0	3.7	3.0	3.5	3.0				48	
50	2.9	3.6	2.9	3.5	2.9				50	
52	2.8	3.5	2.8	3.3	2.8				52	
54	2.7	3.4	2.7	3.1	2.7				54	
56	2.6	3.3	2.6	2.9	2.5				56	
58	2.5	3.2	2.5	2.7	2.4				58	
60	2.4	3.1	2.4	2.5	2.2				60	
62	2.3	2.9	2.2	2.3	2.1				62	
64	2.2	2.7	2.0	2.2	2.0				64	
66	2.1	2.6	1.9	2.0	1.8				66	
68	1.9	2.4	1.8	1.9	1.7				68	
70	1.8	2.2	1.6	1.7	1.6				70	
72	1.7	2.0	1.4	1.6	1.5				72	
74	1.6	1.9	1.3	1.4	1.4				74	
76	1.5	1.6	1.2	1.4	1.3				76	
78	1.4	1.4	1.0	1.3	1.2				78	
80	1.3	1.2		1.1					80	
82	1.3	1.1							82	
84	1.2								84	

Working range diagram

Boom extension

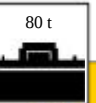
T 59.1-68.2m

T 501 60.2m										
										
59.1+8		59.1+8		63.7+8		63.7+8		68.2+8		
18	3.8	4.3							18	
20	3.8	4.2	3.5	3.8					20	
22	3.7	4.1	3.5	3.7	3.3				22	
24	3.6	4.0	3.4	3.7	3.3				24	
26	3.6	4.0	3.4	3.6	3.2				26	
28	3.5	3.9	3.4	3.6	3.2				28	
30	3.5	3.8	3.3	3.5	3.2				30	
32	3.4	3.7	3.3	3.5	3.1				32	
34	3.4	3.7	3.2	3.4	3.1				34	
36	3.3	3.6	3.2	3.4	3.0				36	
38	3.2	3.6	3.1	3.3	3.0				38	
40	3.1	3.5	3.0	3.3	3.0				40	
42	3.0	3.4	2.9	3.2	2.9				42	
44	2.9	3.4	2.8	3.2	2.8				44	
46	2.8	3.3	2.7	3.1	2.7				46	
48	2.6	3.2	2.6	3.0	2.6				48	
50	2.5	3.2	2.5	3.0	2.6				50	
52	2.4	3.1	2.5	2.9	2.5				52	
54	2.4	3.0	2.4	2.8	2.4				54	
56	2.3	2.9	2.3	2.7	2.3				56	
58	2.2	2.8	2.2	2.5	2.2				58	
60	2.1	2.7	2.1	2.3	2.0				60	
62	2.0	2.6	2.0	2.2	1.9				62	
64	1.9	2.5	1.9	2.1	1.8				64	
66	1.9	2.4	1.8	1.9	1.6				66	
68	1.8	2.4	1.6	1.8	1.5				68	
70	1.7	2.1	1.5	1.7	1.4				70	
72	1.6	1.9	1.4	1.6	1.1				72	
74	1.5	1.6	1.4	1.5	1.1				74	
76	1.4	1.3	1.3	1.4					76	
78	1.3	1.1		1.3					78	
80	1.2	1.0		1.2					80	
82	1.1			1.1					82	
84	1.1			1.0					84	

Working range diagram

Boom extension

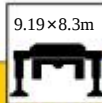
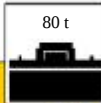
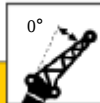
T 59.1-68.2m

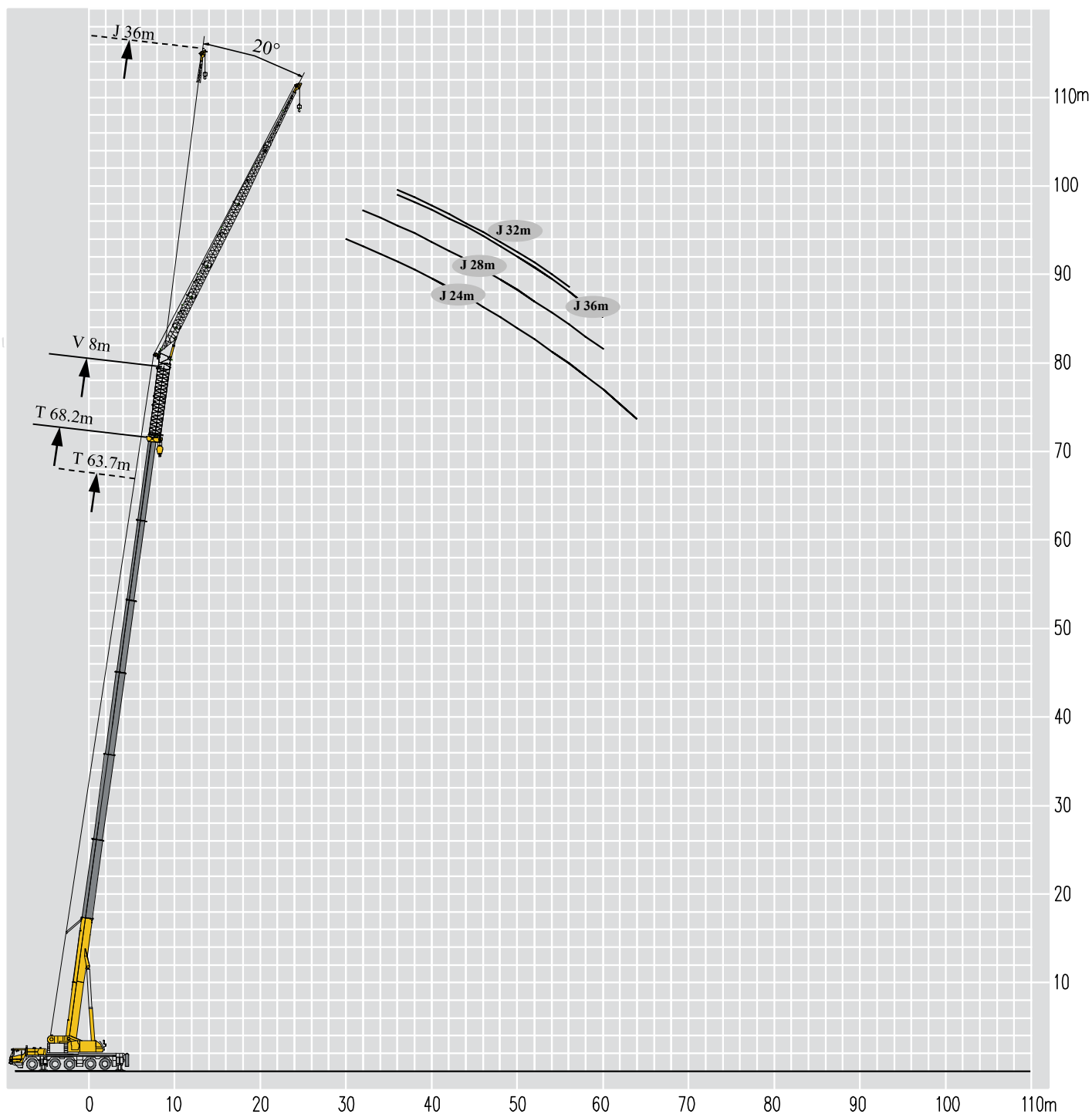
       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
20	3.4	3.8				20		
22	3.4	3.7	3.2	3.4		22		
24	3.3	3.7	3.1	3.3	3.0	24		
26	3.2	3.6	3.1	3.3	2.9	26		
28	3.2	3.5	3.0	3.2	2.9	28		
30	3.1	3.5	3.0	3.2	2.8	30		
32	3.1	3.4	2.9	3.1	2.8	32		
34	3.0	3.3	2.9	3.1	2.8	34		
36	3.0	3.3	2.9	3.0	2.7	36		
38	2.9	3.2	2.8	3.0	2.7	38		
40	2.9	3.1	2.8	2.9	2.6	40		
42	2.8	3.1	2.7	2.9	2.6	42		
44	2.8	3.0	2.7	2.8	2.6	44		
46	2.7	3.0	2.6	2.8	2.6	46		
48	2.6	2.9	2.6	2.7	2.5	48		
50	2.5	2.8	2.5	2.7	2.3	50		
52	2.4	2.8	2.3	2.6	2.3	52		
54	2.3	2.7	2.2	2.5	2.3	54		
56	2.2	2.7	2.1	2.4	2.2	56		
58	2.1	2.5	2.0	2.3	2.1	58		
60	2.0	2.3	1.9	2.2	2.0	60		
62	1.8	2.2	1.8	2.1	1.8	62		
64	1.8	2.2	1.5	1.9	1.6	64		
66	1.7	2.1	1.4	1.8	1.4	66		
68	1.7	2.1	1.3	1.5	1.2	68		
70	1.6	1.9	1.1	1.2	1.1	70		
72	1.5	1.8		1.0		72		
74	1.4	1.7				74		
76	1.3	1.4				76		
78	1.2					78		

Working range diagram

Boom extension

T 59.1-68.2m

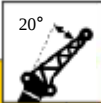
Technical specifications and dimensions							Crawler crane			
		 59.1-68.2m	 9.19x8.3m	 36 m	 360°	 80 t	 0°	 8 m		
		59.1+8		59.1+8		63.7+8		63.7+8	68.2+8	
22		2.8		3.1						22
24		2.7		3.1		2.6		2.8		24
26		2.7		3.0		2.5		2.7	2.3	26
28		2.7		2.9		2.5		2.7	2.3	28
30		2.6		2.9		2.5		2.6	2.3	30
32		2.6		2.8		2.4		2.6	2.3	32
34		2.5		2.8		2.4		2.5	2.2	34
36		2.5		2.7		2.4		2.5	2.2	36
38		2.4		2.6		2.3		2.5	2.2	38
40		2.4		2.6		2.3		2.4	2.1	40
42		2.3		2.5		2.2		2.4	2.1	42
44		2.3		2.5		2.2		2.3	2.1	44
46		2.3		2.4		2.2		2.3	2.0	46
48		2.2		2.4		2.1		2.2	2.0	48
50		2.2		2.3		2.1		2.2	2.0	50
52		2.1		2.3		2.1		2.2	1.9	52
54		2.0		2.3		2.0		2.1	1.8	54
56		1.9		2.2		1.9		2.1	1.6	56
58		1.8		2.2		1.9		2.1	1.5	58
60		1.8		2.1		1.6		2.0		60
62		1.7		2.0		1.3		1.6		62
64		1.6		1.8				1.4		64
66		1.4		1.8				1.2		66
68		1.3		1.8						68
70		1.2		1.7						70



Working range diagram

Boom extension

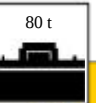
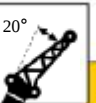
T 59.1-68.2m

       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
26	3.7	4.1					26	
28	3.7	4.0	3.5	3.7			28	
30	3.6	3.9	3.5	3.6	3.5		30	
32	3.6	3.7	3.4	3.6	3.4		32	
34	3.5	3.6	3.4	3.5	3.3		34	
36	3.4	3.5	3.3	3.5	3.3		36	
38	3.4	3.4	3.3	3.4	3.3		38	
40	3.3	3.3	3.2	3.4	3.2		40	
42	3.2	3.3	3.2	3.3	3.2		42	
44	3.1	3.2	3.1	3.3	3.1		44	
46	3.0	3.1	3.0	3.2	3.1		46	
48	2.9	3.1	2.9	3.2	3.0		48	
50	2.8	3.0	2.8	3.1	3.0		50	
52	2.7	2.9	2.7	3.0	2.9		52	
54	2.6	2.9	2.6	2.8	2.7		54	
56	2.5	2.8	2.4	2.7	2.6		56	
58	2.4	2.8	2.3	2.7	2.5		58	
60	2.4	2.7	2.1	2.6	2.3		60	
62	2.3	2.6	1.9	2.5	2.2		62	
64	2.1	2.5	1.8	2.4	2.1		64	
66	2.0	2.4	1.6	2.3	2.0		66	
68	1.9	2.4	1.5	2.2	1.9		68	
70	1.7	2.4	1.4	2.0	1.8		70	
72	1.6	2.3	1.3	2.0	1.7		72	
74	1.5	2.2	1.2	1.9	1.6		74	
76	1.4	1.9	1.1	1.8	1.5		76	
78	1.3	1.7	1.0	1.5	1.4		78	
80	1.2	1.5		1.2	1.4		80	

Working range diagram

Boom extension

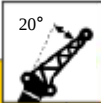
T 59.1-68.2m

       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
28	3.1	3.3					28	
30	3.1	3.3	2.9	3.1			30	
32	3.0	3.3	2.9	3.0	2.7		32	
34	3.0	3.2	2.8	3.0	2.7		34	
36	2.9	3.1	2.8	2.9	2.7		36	
38	2.9	3.1	2.8	2.9	2.6		38	
40	2.8	3.0	2.7	2.8	2.6		40	
42	2.8	3.0	2.7	2.8	2.6		42	
44	2.7	2.9	2.6	2.7	2.5		44	
46	2.7	2.9	2.6	2.7	2.5		46	
48	2.5	2.8	2.6	2.7	2.5		48	
50	2.5	2.7	2.5	2.6	2.4		50	
52	2.4	2.7	2.4	2.6	2.4		52	
54	2.3	2.6	2.3	2.6	2.2		54	
56	2.2	2.6	2.2	2.4	2.0		56	
58	2.2	2.5	2.0	2.3	1.9		58	
60	2.1	2.5	1.9	2.2	1.7		60	
62	2.0	2.4	1.7	2.0			62	
64	1.9	2.2	1.6	1.8			64	
66	1.8	2.1		1.7			66	
68	1.6	1.9					68	
70	1.5	1.7					70	
72	1.4	1.6					72	
74	1.2	1.4					74	

Working range diagram

Boom extension

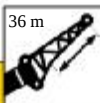
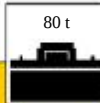
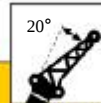
T 59.1-68.2m

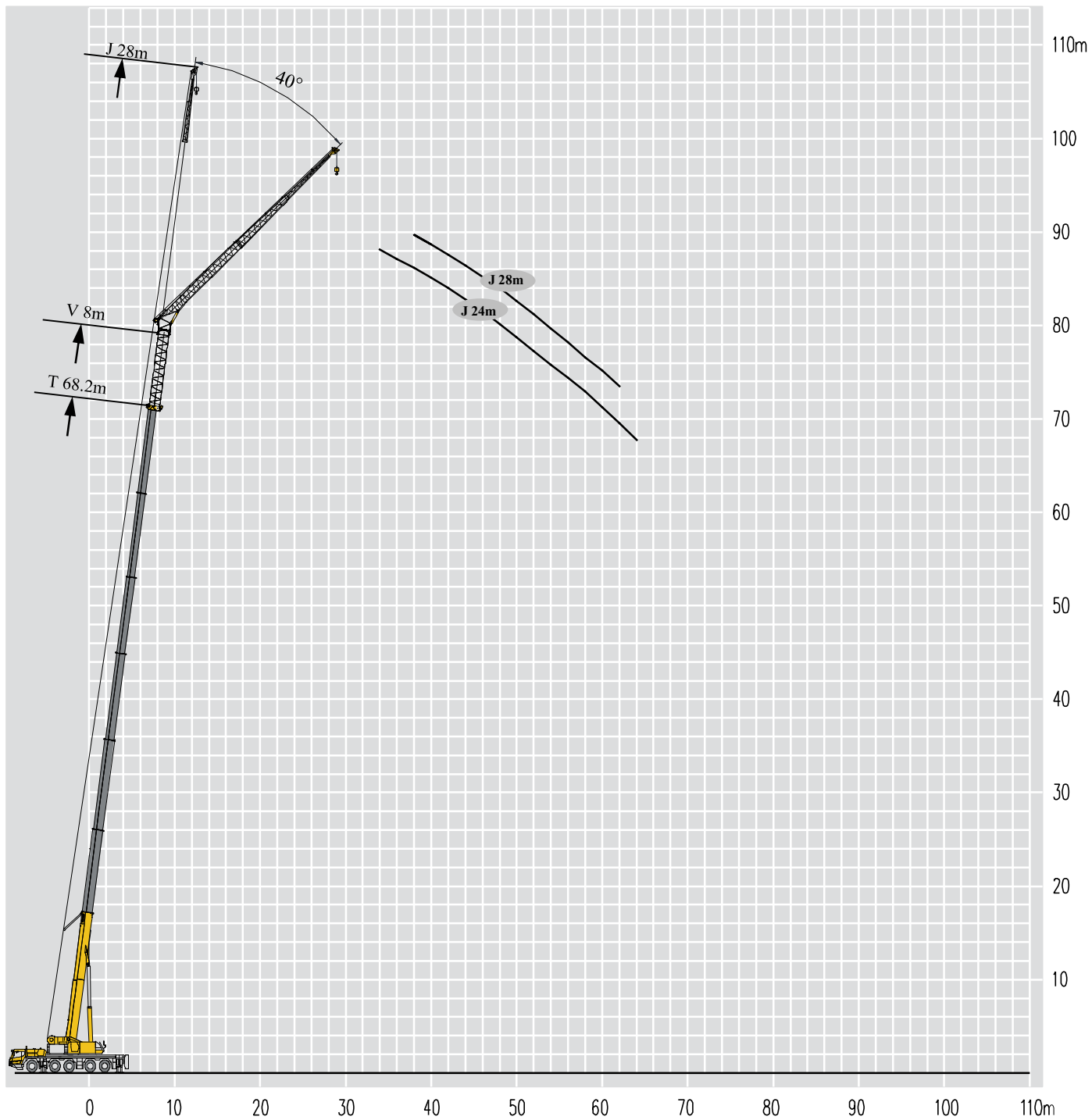
       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
32	2.5	2.8					32	
34	2.5	2.7	2.4	2.5			34	
36	2.5	2.7	2.4	2.5	2.3		36	
38	2.4	2.6	2.3	2.5	2.2		38	
40	2.4	2.6	2.3	2.4	2.2		40	
42	2.4	2.5	2.3	2.4	2.2		42	
44	2.3	2.5	2.2	2.3	2.2		44	
46	2.3	2.5	2.2	2.3	2.1		46	
48	2.3	2.4	2.2	2.3	2.1		48	
50	2.2	2.4	2.1	2.2	2.1		50	
52	2.1	2.3	2.1	2.2	2.0		52	
54	2.1	2.3	2.1	2.2	2.0		54	
56	2.0	2.2	2.0	2.1	2.0		56	
58	1.9	2.2	1.9	2.1	1.9		58	
60	1.8	2.1	1.8	2.0	1.8		60	
62	1.8	2.1		1.8			62	
64	1.7	2.1					64	
66	1.6	2.0					66	
68	1.5	1.8					68	
70		1.7					70	
72		1.5					72	

Working range diagram

Boom extension

T 59.1-63.7m

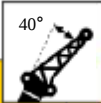
       					
	59.1+8	59.1+8	63.7+8	63.7+8	
34	2.1	2.2			34
36	2.0	2.2	2.0		36
38	2.0	2.2	1.9	2.1	38
40	2.0	2.1	1.9	2.1	40
42	2.0	2.1	1.9	2.1	42
44	1.9	2.0	1.9	2.1	44
46	1.9	2.0	1.8	2.0	46
48	1.9	2.0	1.8	2.0	48
50	1.8	2.0	1.8	1.9	50
52	1.8	1.9	1.8	1.9	52
54	1.8	1.9	1.7	1.8	54
56	1.7	1.9	1.7	1.8	56
58	1.7	1.8		1.8	58
60	1.6	1.8		1.7	60
62	1.5	1.8			62
64	1.5	1.7			64
66		1.7			66
68		1.7			68



Working range diagram

Boom extension

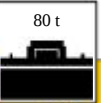
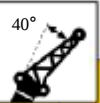
T 59.1-68.2m

       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
32	2.7	2.7					32	
34	2.7	2.6	2.7	2.7	2.7	2.7	34	
36	2.6	2.6	2.7	2.6	2.6	2.7	36	
38	2.6	2.6	2.6	2.6	2.6	2.6	38	
40	2.6	2.5	2.6	2.6	2.6	2.6	40	
42	2.5	2.5	2.6	2.6	2.6	2.6	42	
44	2.5	2.5	2.6	2.5	2.6	2.6	44	
46	2.5	2.5	2.5	2.5	2.5	2.6	46	
48	2.5	2.4	2.5	2.5	2.6	2.6	48	
50	2.5	2.4	2.5	2.5	2.6	2.6	50	
52	2.5	2.4	2.5	2.5	2.6	2.6	52	
54	2.5	2.4	2.5	2.5	2.5	2.5	54	
56	2.5	2.4	2.5	2.5	2.3	2.3	56	
58	2.4	2.4	2.3	2.4	2.2	2.2	58	
60	2.4	2.4	2.2	2.3	2.1	2.1	60	
62	2.3	2.4	2.1	2.2	2.0	2.0	62	
64	2.2	2.4	1.9	2.1	1.9	1.9	64	
66	2.1	2.3	1.8	2.0			66	
68	2.0	2.1	1.7	1.9			68	
70	1.8	2.0	1.5	1.8			70	
72			1.4	1.7			72	

Working range diagram

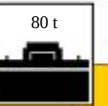
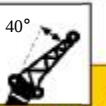
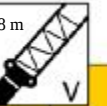
Boom extension

T 59.1-68.2m

       								
		59.1+8	59.1+8	63.7+8	63.7+8	68.2+8		
34	2.4	2.4					34	
36	2.4	2.4	2.4	2.4			36	
38	2.3	2.3	2.3	2.3	2.4	2.2	38	
40	2.3	2.3	2.3	2.3	2.3	2.2	40	
42	2.3	2.3	2.3	2.3	2.3	2.2	42	
44	2.3	2.2	2.3	2.3	2.3	2.2	44	
46	2.2	2.2	2.2	2.2	2.3	2.2	46	
48	2.2	2.2	2.2	2.2	2.2	2.1	48	
50	2.2	2.2	2.2	2.2	2.2	2.1	50	
52	2.2	2.1	2.2	2.2	2.2	2.1	52	
54	2.2	2.1	2.2	2.2	2.2	2.1	54	
56	2.1	2.1	2.1	2.2	2.2	2.1	56	
58	2.1	2.1	2.1	2.2	2.2	2.0	58	
60	2.0	2.1	2.0	2.2	2.2	1.8	60	
62	2.0	2.1	1.8	2.0	2.0	1.7	62	
64	1.9	2.1	1.6	1.9	1.9	1.5	64	
66	1.8	2.1	1.5	1.8	1.8	1.4	66	
68	1.7	2.0		1.6			68	
70	1.6	1.8		1.5			70	
72	1.5	1.7		1.4			72	
74	1.3	1.5		1.3			74	

Working range diagram

Boom extension

T 59.1-63.7m									
	 59.1-63.7m	 9.19x8.3m	 32 m	 360°	 80 t	 40°	 8 m		
59.1+8		59.1+8		63.7+8		63.7+8			
40	2.0	2.0	1.9	2.0	40				
42	2.0	2.0	1.9	2.0	42				
44	2.0	1.9	1.9	1.9	44				
46	1.9	1.9	1.9	1.9	46				
48	1.9	1.9	1.8	1.9	48				
50	1.9	1.9	1.8	1.9	50				
52	1.9	1.8	1.8	1.9	52				
54	1.9	1.8	1.8	1.9	54				
56	1.8	1.8	1.8	1.8	56				
58	1.8	1.8	1.8	1.8	58				
60	1.8	1.8	1.8	1.8	60				
62	1.7	1.6	1.7	1.7	62				
64	1.7	1.6	1.6	1.7	64				
66	1.7	1.6		1.7	66				
68	1.6	1.6			68				
70	1.5	1.6			70				
72	1.4	1.6			72				
74		1.6			74				
76		1.5			76				

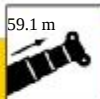
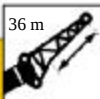
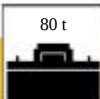
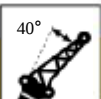
T 59.1m									
	 59.1 m	 9.19x8.3m	 36 m	 360°	 80 t	 40°	 8 m		
59.1+8				59.1+8					
42	1.6				1.7				42
44	1.6				1.6				44
46	1.6				1.6				46
48	1.5				1.6				48
50	1.5				1.5				50
52	1.5				1.5				52
54	1.5				1.5				54
56	1.5				1.5				56
58	1.5				1.5				58
60	1.4				1.5				60
62	1.4				1.4				62
64	1.4				1.4				64
66	1.4				1.4				66
68	1.3				1.4				68
70					1.4				70
72					1.4				72

Table of main technical parameters

Category	Item		Unit	Parameters
Dimensions	Dimensions (L×W×H)		mm	15452×3000×4030
	Axle spacing		mm	2650+1650+2900+1700
	Track (front/rear)		mm	2590/2590/2590/2590/2590
	Front overhang / rear overhang		mm	2627/2263
	Front extension / rear extension		mm	1649/0
Weight	Maximum permissible total weight		kg	60000
	Axle load	Axle 1	kg	12000
		Axle 2	kg	12000
		Axle 3	kg	12000
		Axle 4	kg	12000
		Axle 5	kg	12000
Power	Engine model		—	OM471LA.E5-1
	Rated power / rpm		kW/(r/min)	390/1600
	Maximum output torque / rpm		N.m/(r/min)	2600/1300
Travel	Maximum travel speed		km/h	80
	Minimum stable travel speed		km/h	1 ~ 1.5
	Minimum turning diameter		m	19.2
	Min. turning diameter at boom tip		m	23.8
	Min. ground clearance		mm	357
	Approach angle		°	19
	Departure angle		°	14
	Braking distance (initial speed at 30km/h)		m	≤10
	Maximum grade ability		%	60
	Fuel consumption per 100 km		L	72
Noise	Exterior noise level when accelerating		dB(A)	≤88
	Noise level at seated position		dB(A)	≤90

Table of main technical parameters

Category	Item			Unit	Parameters
Main performance	Maximum rated total lifting capacity			t	250
	Minimum rated working radius			m	3
	Turning radius at turntable tail	At counterweight		mm	5160
		At auxiliary winch		mm	4883
	Maximum load moment	Base boom		kN.m	7400
		Fully-extended boom		kN.m	2960
		Fully-extended boom + jib		kN.m	1220
	Outrigger span	Longitudinal		m	9.19
		Lateral		m	8.3
	Lifting height	Base boom		m	13.4
		Fully-extended boom		m	73.5
		Fully-extended boom + jib		m	112
	Boom length	Base boom section		m	13.4
		Fully-extended boom		m	73
		Fully-extended boom + jib		m	112.2
	Jib offset angle			°	0, 20, 40
Parameters of working speed	Time for raising boom			s	≤55
	Time for fully extending the boom			s	≤750
	Maximum slewing speed			r/min	≥1.5
	Time for extending / retracting outriggers	Outrigger beam	Retracting	s	≤40
			Extending	s	≤40
		Outrigger jacks	Retracting	s	≤40
			Extending	s	≤80
	Lifting speed (Single line, no load)	Main winch system		m/min	≥130
Auxiliary winch system		m/min	≥130		
Noise	Exterior noise level			dB(A)	≤122
	At driver position			dB(A)	≤90

Description of symbols

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

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

Description of symbols

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

	Luffing
	Telescoping
	Slewing
	360° slewing
	360° slewing with the 5th jack down
	Side and rear operation
	Operation over front
	Operation over rear

Notes

1. The document is intended as reference only. It is only a guide and should not be used to operate the crane. See Operation Manual and Physical Information and Rated Load Charts Manual for correct operation instructions.
2. The total rated loads given in the load charts are the maximum lifting capacity (in tonne) under corresponding boom length and radius when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted from the rated lifting load.
3. The working radius is the horizontal gravity center distance of the load from the rotational axis of the crane superstructure measured at the ground.
4. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried.
5. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed of 14.1 m/s, wind pressure of 125 N/m²).



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