XCA120G7-1H All Terrain Crane

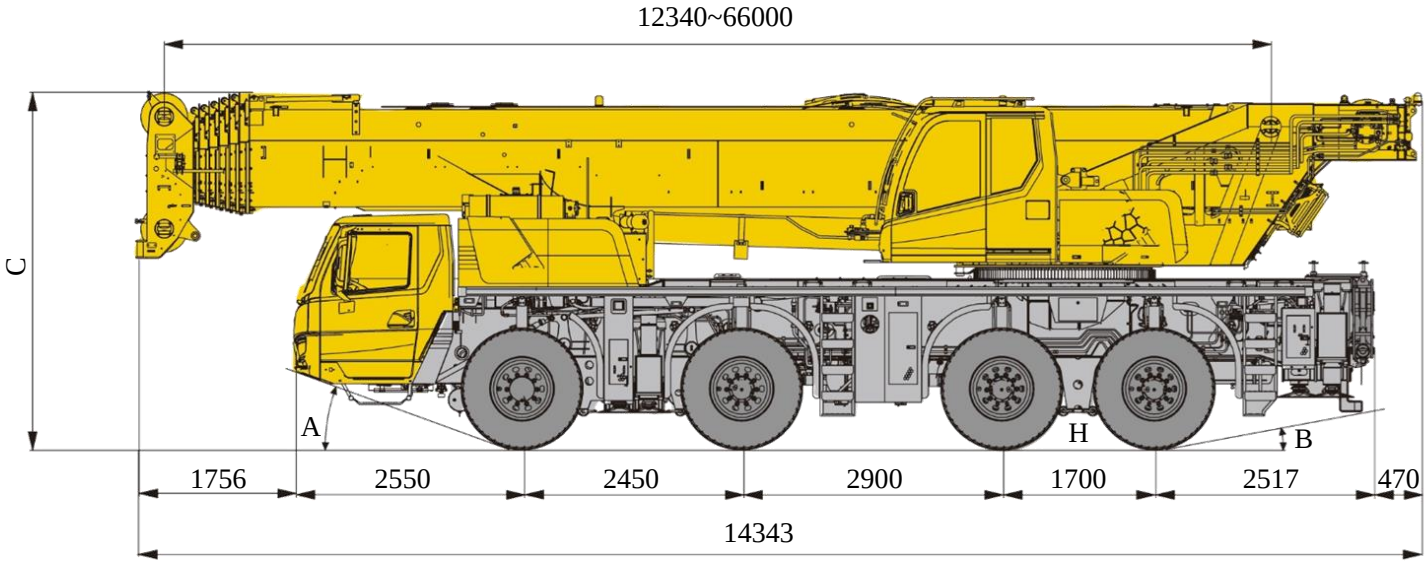
Technical specifications

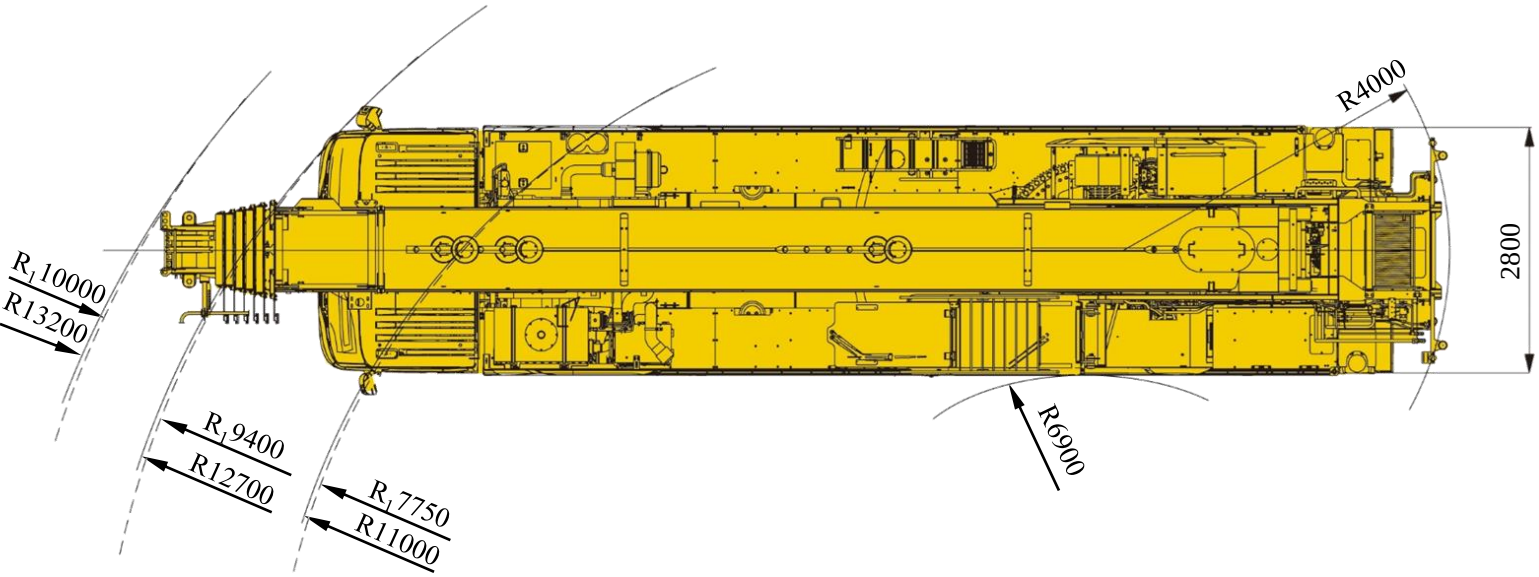
7th edition, February 2025

XCMG

Contents

Dimensions



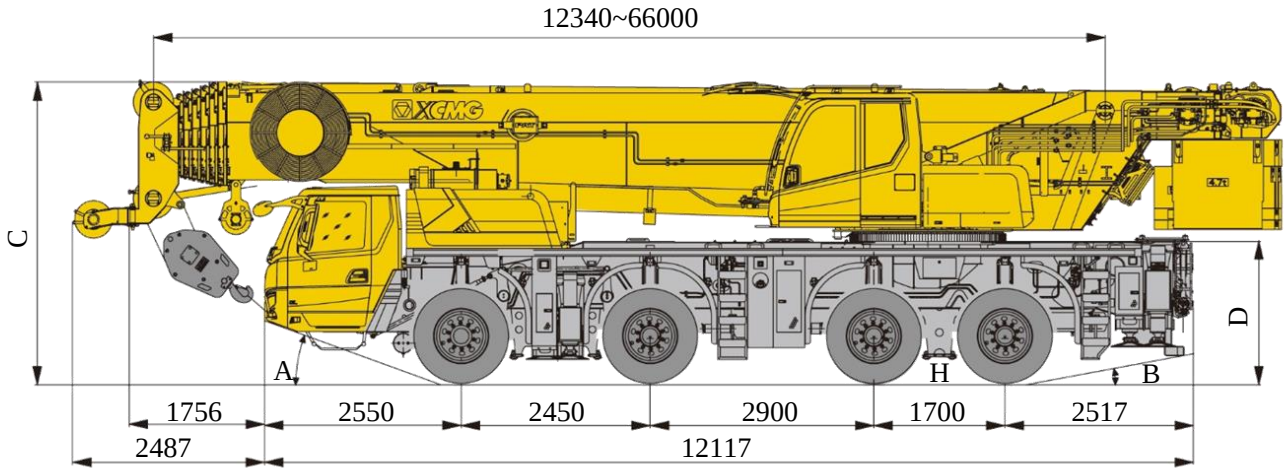


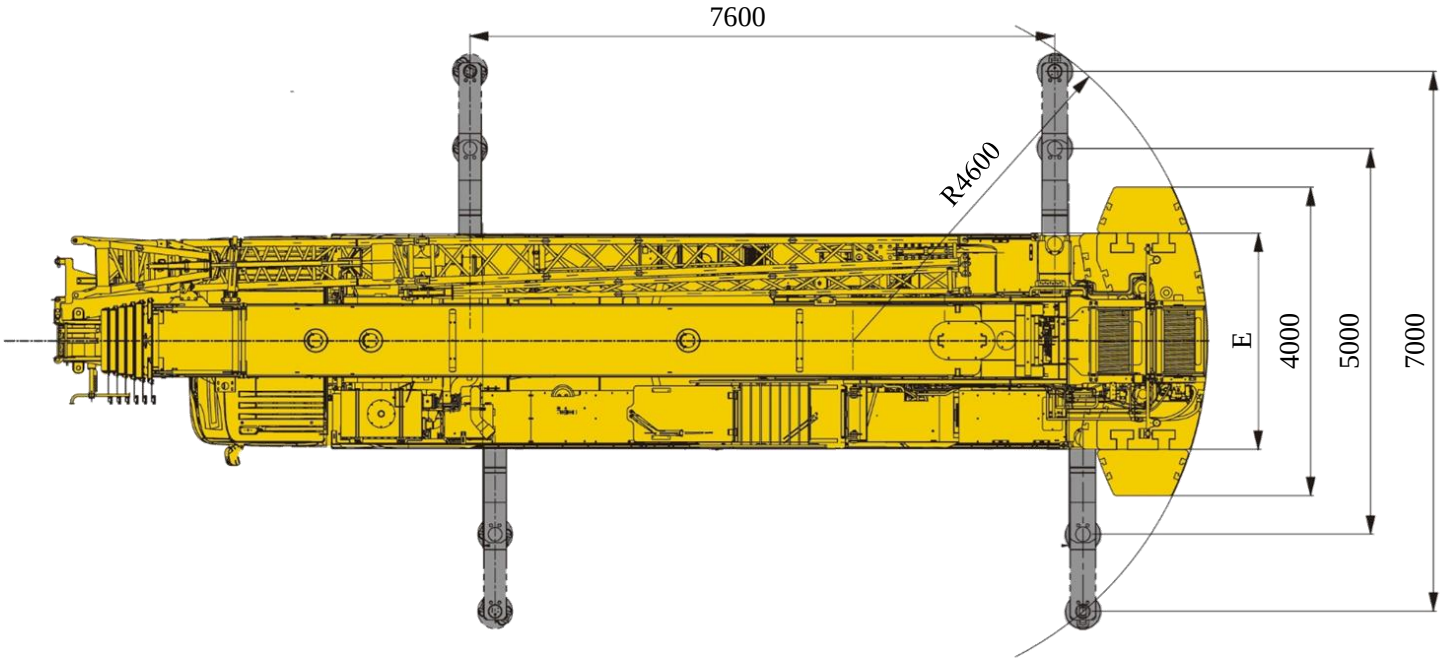
All turning radius dimensions in the figure are based on the 385/95R25 tire configuration.

R: turning radius in the normal road steering mode; R1: turning radius in the all-wheel steering mode.

	A (°)	B (°)	C (mm)	H (mm)
385/95R25	20	10.5	3930	330
445/95R25	21.6	12	3980	380

Dimensions





	A (°)	B (°)	C (mm)	D (mm)	E (mm)	H (mm)
385/95R25	20	10.5	3930	1862	2800	330
445/95R25	21.6	12	3980	1912	2800	380

Technical specifications

Chassis

Frame	Designed and manufactured by XCMG, anti-torsion box structure, made of high-strength steel.
Outrigger	Four outriggers, H-type arrangement, single-stage outrigger beams. Hydraulic control is used to extend and retract the outrigger beams and jacks. There is an outrigger control panel located at each side of the chassis. Each outrigger jack is equipped with a hydraulic lock. Outrigger float diameter: φ 490 mm. Max. outrigger reaction force: front outrigger: 563 kN; rear outrigger: 787 kN.
Engine	WP10.5H460E50, in-line, 6-cylinder, water cooled, electrical diesel engine manufactured by Weichai, with rated power of 338 kW/1900 rpm, max. torque of 2100 Nm/1000~1400 rpm and max. reference torque of 2289 N.m. Compliant with Euro V emission standard. Fuel tank capacity: 390 L; AdBlue/DEF tank capacity: 35 L; engine displacement: 10.5 L.
Hydraulic system	The variable plunger pump is connected to PTO port of the engine through drive shaft and used for controlling steering, outrigger and suspension hydraulic systems.
Transmission	FAST automatic transmission, with 12 forward gears and 2 reverse gears.
Safety devices	Backup camera, ABS, outrigger pressure detection and axle load detection.
Axle	High-strength axles with two reducers, with disc brake for axles 1-2 and drum brake for axles 3-4. Axles 2, 3 and 4 are for driving; Driving/steering type: 8×6×8.
Suspension	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 ~ +150 mm.
Tire	8 tires and 1 spare tire. Tire specification: 385/95 R25.
Braking system	Service brake: dual-circuit air pressure brake, acting on all wheels. Parking brake: air-release spring disc brake, acting on wheels of axles 2-4. Auxiliary brake: engine in-cylinder retarder brake.
Steering	All axles steering, 1 ~ 2 axles: the mechanical and hydraulic power steering; 3 ~ 4 axles: the electro-hydraulic control steering. It is suitable for various demands of OMs and various steering modes can be realized.
Driver's cab	New full dimension steel structure cab, with suspension connecting structure, is equipped with shock absorbers at the rear of the cab. The cab is equipped with safety glass, electrically-operated door window lifter, electric adjustable rearview mirrors, multi-function steering wheel, airbag for the driver's seat, and a coupled sleeper for the co-driver's seat. There are a brand-new combined central control panel arranged with arc shape, large screen color LCD display, audio system, fire extinguisher, HVAC, etc.
Electrical system	Controlled by CAN bus, with fault diagnosis and integrated indication functions. It is equipped with XCMG G2 human-machine interaction system and intelligent driving control system. 24V DC, two sets of 12V battery in series. Generator: 28V/80A

Technical specifications

Superstructure

Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	Two electric control variable plunger pumps are used to control boom luffing, telescoping and winch movements. An independent closed hydraulic circuit is used for slewing operation. The pilot pump provides pilot oil to the single gear pump through pilot valve and provides power to cylinder/boom pin of telescoping cylinder. The electro-hydraulic steering pump of rear axle provides oil to counterweight cylinders, operator's cab tilting cylinder, radiator and jib assist cylinder through third-stage switching valve and auxiliary control valve. Hydraulic oil tank capacity: 557 L.
Control system	The electric-proportional pilot control, stepless speed regulation, all movements of the crane is controlled by two levers at left and right sides.
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 winch and auxiliary winch are independently operated. Wire rope has a rope end, which is directly installed in rope socket.
Slewing system	A single-row, four-point contact-ball external toothed slewing bearing is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and can continuously slew 360°. Power control or free slewing function as well as stepless speed regulation are available.
Operator's cab	New steel cab can tilt backward 20°. It features a spacious, panoramic, and multi storage layout. All-round view safety glass with an openable front window. Push-pull sliding door, protective grilles and pull-out side step are equipped. Dual-motor wipers are fitted for the front and roof windows. 2.5 L kettle is also available. Stylish interior design; 2 kg fire extinguisher; Sun screens for front, rear and side windows; Double-layer sun screen for the roof window. Mechanical shock absorber and adjustable seat with leather + breathable mesh is adjustable. Dual LED interior lights and electric fan are available. HMI control panel, display, armrest box, engine accelerator pedal, engine start switch are HVAC are also equipped.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, hydraulic double-way lock, load moment indicator (LMI); lowering limiter to prevent rope over-releasing, anti-two block on the boom head to prevent rope over-winding and anemometer to detect the wind speed. Winch monitoring camera, slewing buzzer.
Electrical system	DC 24 V, with 2 sets of 12 V batteries in series.
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.
Counterweigh t	34 t in total; seven combinations of 4 t, 8 t, 9 t, 13 t, 19.6 t, 24.6 t, and 34 t.
Hook block	60 t hook block, and 11 t hook block. Hook blocks can also be used for XCA120_E crane.
Luffing system	Single cylinder is used for luffing the boom with self-compensation counterbalance valve.
Boom	7-section boom with U-shaped cross-section, welded structure. Single cylinder head, single cylinder pinning telescoping system is safer and more reliable. 46%, 92% and 100% telescoping patterns are available. Boom length: 12.3 m~66 m.

Other items of equipment available on request.

Configuration and optional equipment

Configuration	Function description
Standard	7-section boom of 66 m.

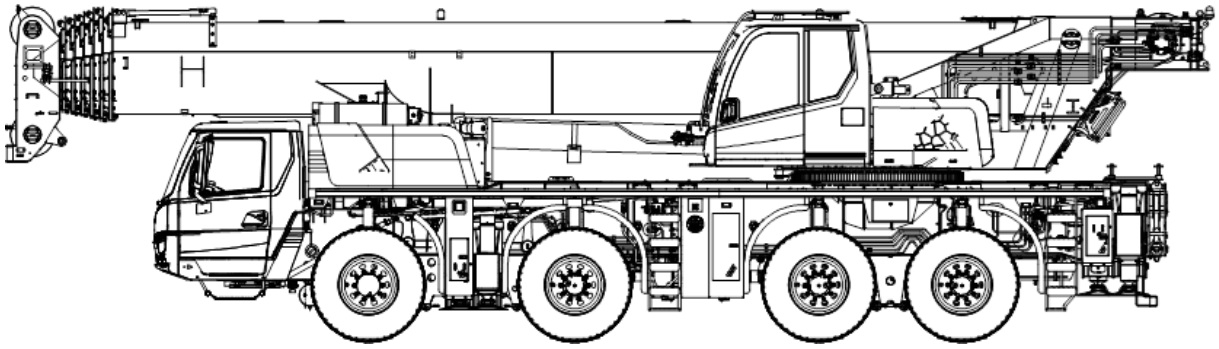
Note: only standard configuration is available for this model.

Optional equipment	Part description
Tire	445/95R25 (16.00R25).
Hook block	25 t hook block.
Camera inside boom with single cylinder head	Industrial wireless high-definition camera monitors the status of cylinder pins.
Boom rotating light	The light angle rotates along the axis, adaptively expanding the range of illumination of the light.
Beacon light in the driver's cab	One beacon light is installed on the left of the driver's cab top. When the turntable slews or the beacon light switch in the driver's cab is turned on, the beacon light at the driver's cab illuminates to provide warning to surrounding personnel.
Outrigger length sensor	To measure the extension length of the outriggers to indicate to the operator the extension status of the outriggers.
Wireless camera on boom head	Wireless zoom camera monitors the status of the boom head, expanding the operator's field of view.
Vehicle data terminal	Used to upload LMI data and part of chassis data.
Wireless remote control	Crane and outrigger operations can be performed with remote control.
Spark arrestor at the tail of exhaust pipe	Installed at the tail pipe of the muffler to prevent sparks from spraying out.
18.5 m stepless jib	18.5 m stepless luffing jib
18.5 m mechanical jib	18.5 m mechanical luffing jib
7 m extension	7 m jib extension
Jib assist device	Jib assist device with hydraulic power assistance.
Auxiliary winch system	Hydraulic control is used for speed regulation. The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake, a counterbalance valve and a grooved drum equipped. Main winch and auxiliary winch are independently operated. Wire rope has a rope end, which is directly installed in rope socket.
Supplied spare box	Used to store slings, ropes and other supplied lifting devices.
Stress relief device	Used to release wire rope torque.

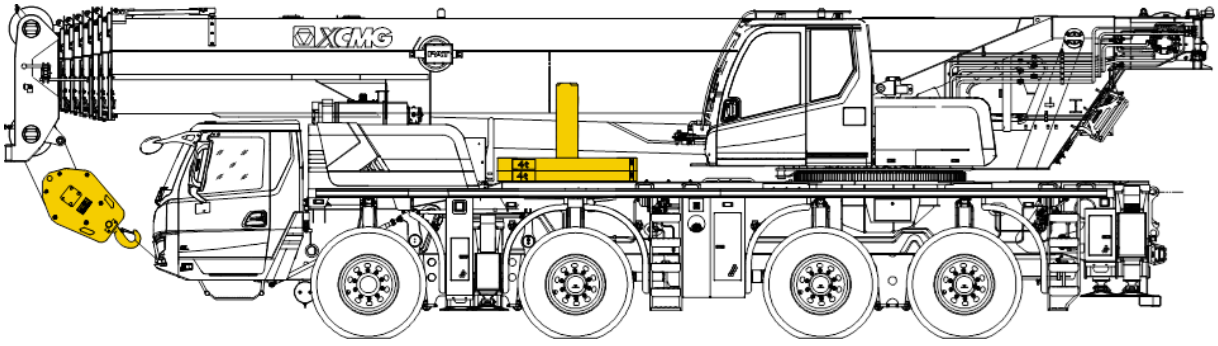
Weight

	1	2	3	4	Total weight
t	12	12	12	12	48 t(1)
t	15.5	15.5	12.4	12.4	55.8 t(2)
t	14.1	14.1	16.4	16.4	62 t(3)
t	15	15	17.3	17.3	64.6 t(4)
t	18.7	18.7	17.7	17.7	72.8 t(5)
t	19.6	19.6	18.7	18.7	76.6 t(6)

(1) Travel configuration 1: 48 t
Superstructure: spare tire or 25 t hook block (at the frame tail), main winch and boom are carried.
Chassis: spare tire and its bracket are not carried.
Max. travel speed: 80 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 14343×2800×3930.

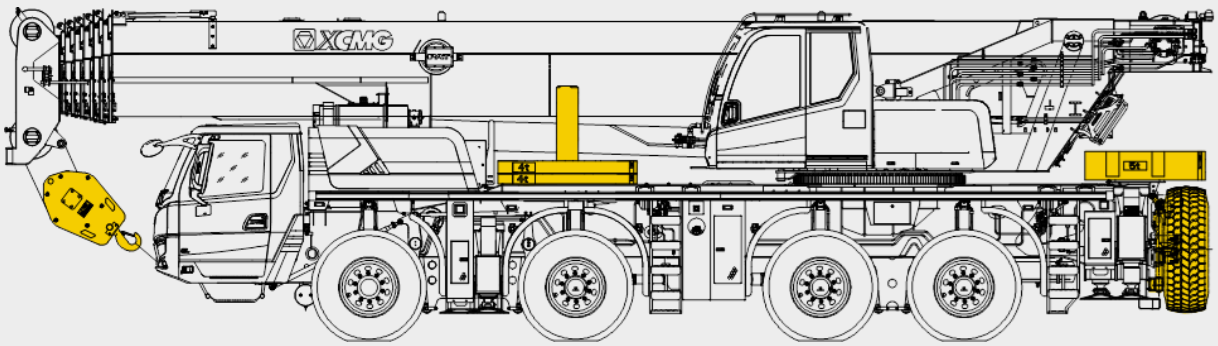


(2) Jobsite transfer configuration 2: 55.8 t
Superstructure: 60 t hook block, main winch, boom and 8 t counterweight are carried.
Chassis: spare tire and its bracket are not carried.
Max. travel speed: 80 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 14343×2800×3930.

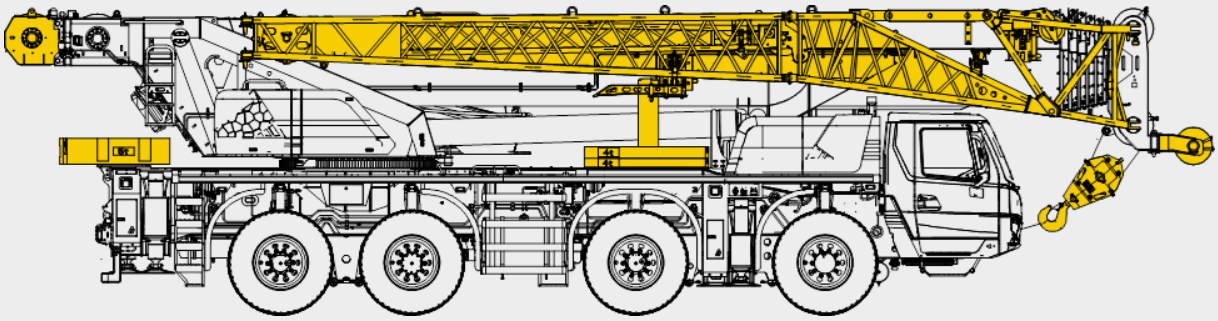


Weight

(3) Jobsite transfer configuration 3: 62 t
Superstructure: 60 t hook block, main winch, boom and 13 t counterweight are carried.
Chassis: spare tire and its bracket are carried.
Max. travel speed: 50 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 14343×2800×3930.

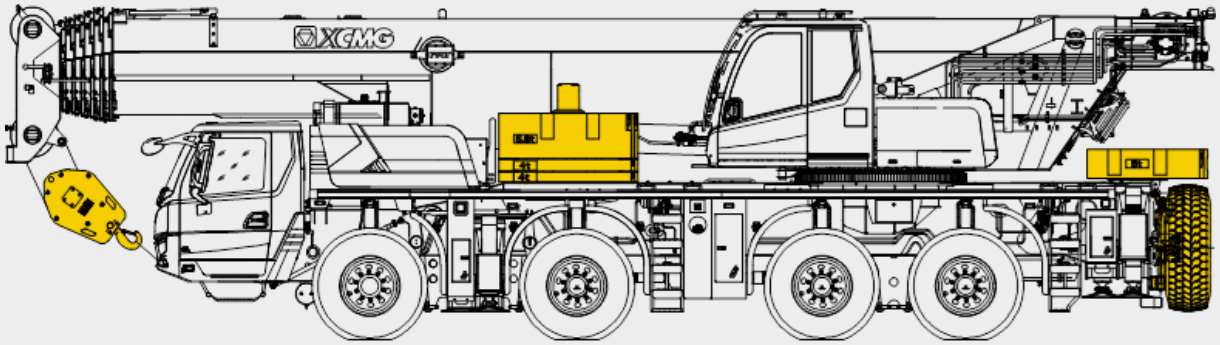


(4) Jobsite transfer configuration 4: 64.6 t
Superstructure: 11 t or 25 t hook block, main winch, boom, stepless luffing jib (with hose reel and auxiliary winch), 13 t counterweight and auxiliary sheave are carried.
Chassis: spare tire and its bracket are not carried.
Max. travel speed: 50 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 15663×2800×3930.

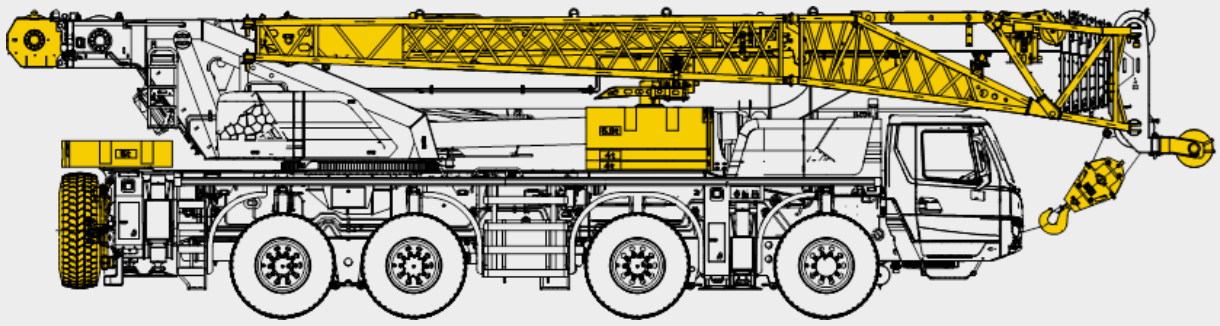


Weight

(5) Jobsite transfer configuration 5: 72.8 t
Superstructure: 60 t hook block, main winch, boom and 24.6 t counterweight are carried.
Chassis: spare tire and its bracket are carried.
Max. travel speed: 30 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 14343×2800×3930.



(6) Jobsite transfer configuration 6: 76.6 t
Superstructure: 11 t or 25 t hook block, main winch, boom, stepless luffing jib (with hose reel and auxiliary winch), 24.6 t counterweight and auxiliary sheave are carried.
Chassis: Spare tire and its bracket are carried.
Max. travel speed: 30 km/h
Driving/steering type: 8×6×8.
Tire specifications: 385/95 R25.
Overall dimensions: 15663×2800×3930.



Weight

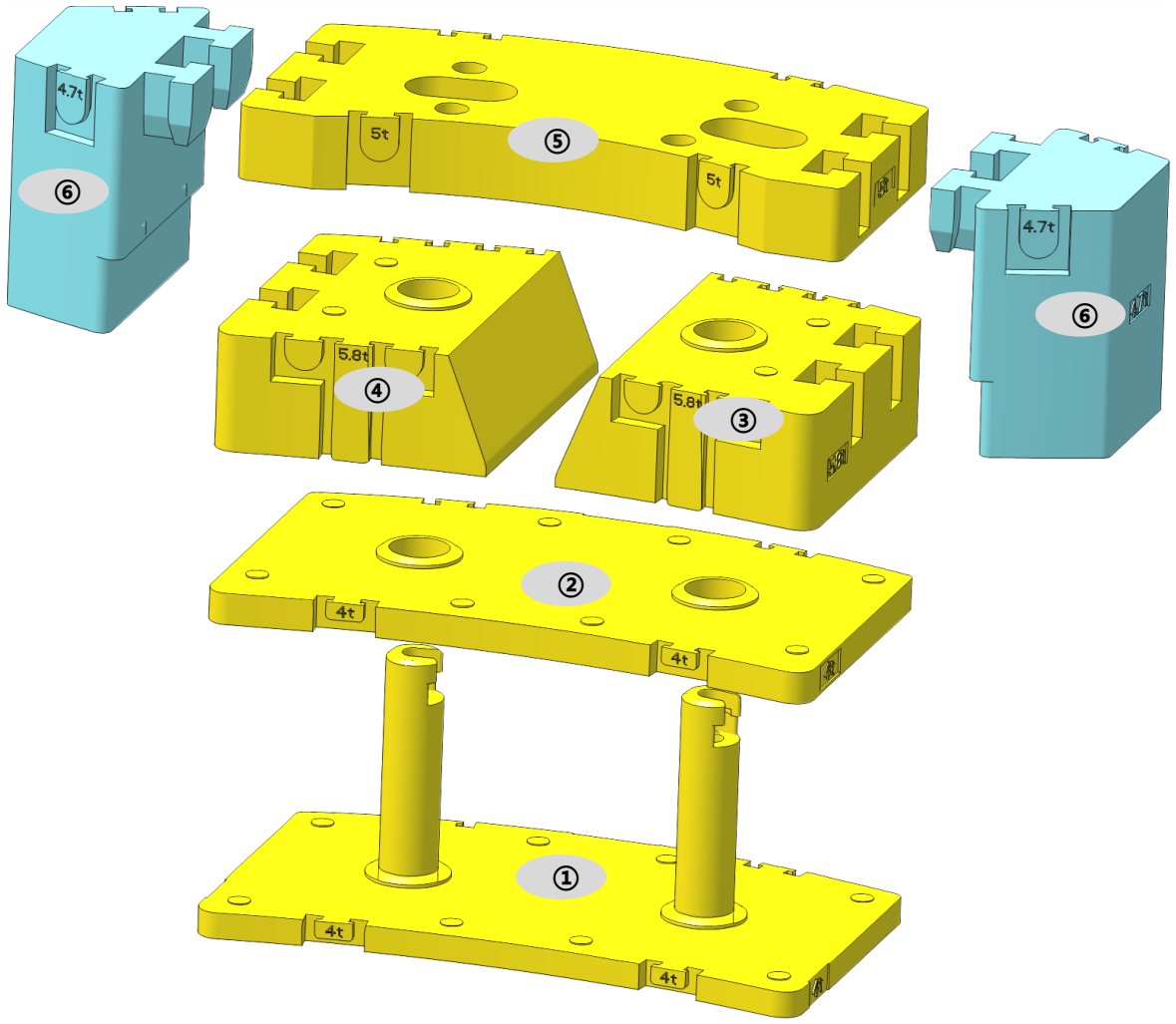
	Parts of line	Weight (kg)	Dimensions (mm)	Remark
60 t	7	560	1456×642×409	Dual-hook
25 t	3	365	1439×580×329	Single hook
11 t	1	223	896×400×400	Single hook

Working speed

385/95 R 25 (14.00 R 25)	3~80 km/h	60%
445/95 R 25 (16.00 R 25)	3 ~ 80 km/h	60%

①	0-135 m/min, single line, no load	85 kN	20 mm	300 m
②	0-135 m/min, single line, no load	85 kN	20 mm	220 m
	0-1.45 r/min			
	Approx. 60 s for boom luffing up from -1° to 81°			
	Approx. 600 s for boom extending from 12.3 m to 66 m			

Counterweight

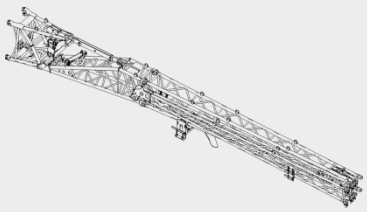
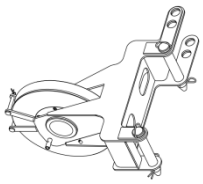
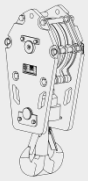
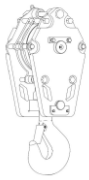
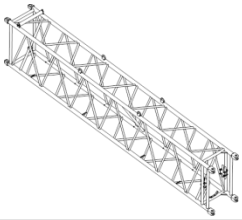
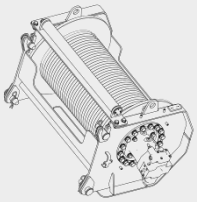


	①	②	③	④	⑤	⑥
Dimensions (L×W×H) (mm)	2800×1654×1150	2800×1654×295	1240×1561×575	1240×1561×575	2800×1425×340	1182×844×1150
Weight (t)	4	4	5.8	5.8	5	4.7

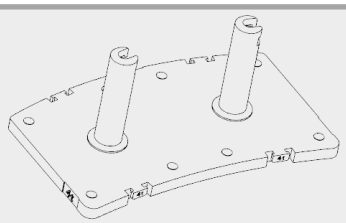
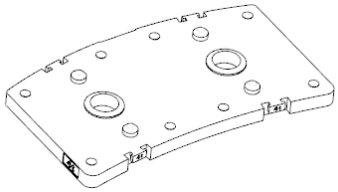
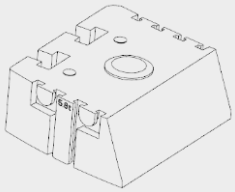
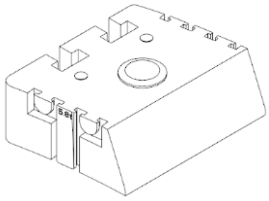
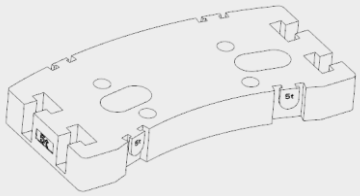
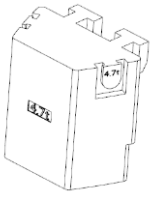
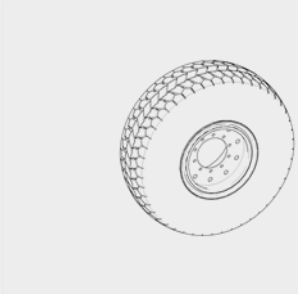
Operation modes	**34t**	**24.6t**	**19.6t**	**13t**	**9t**	**8t**	**4t**
Combinations	①+②+③+④+⑤+⑥×2	①+②+③+④+⑤	①+②+③+④	①+②+⑤	①+⑤	①+②	①

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

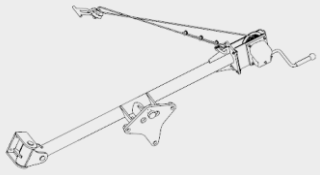
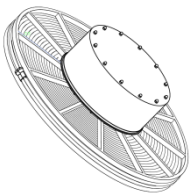
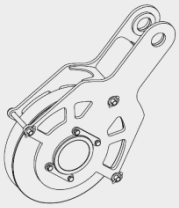
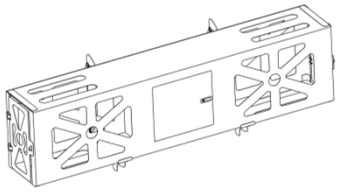
Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimensions (mm)
Jib and its bracket		2200	1	880×1550×11650
Auxiliary sheave		80	1	818×787×486
60 t hook block		560	1	1456×642×409
25 t hook block		365	1	1439×580×329
11 t hook block		223	1	896×400×400
7 m extension		630	1	7100×1350×810
Auxiliary winch system		1200	1	1340×737×732

Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Counterweight slab ①		4000	1	2800×1698×1150
Counterweight slab ②		4000	1	2800×1698×225
Counterweight slab ③		5800	1	1240×1698×540
Counterweight slab ④		5800	1	1240×1698×540
Counterweight slab ⑤		5000	1	2800×1425×340
Counterweight slab ⑥		4700	2	1219×844×1150
Spare tire		256	1	1368×1368×385 (385/95R25)
		335	1	1485×1485×445 (445/95R25)

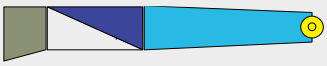
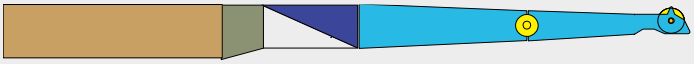
Dimensions of parts to be transported

Name	Illustration	Single weight (kg)	Qty	Dimension (mm)
Spare tire bracket		65	1	1690×346×350
Hose reel		270	1	1300×1300×565
Additional sheave		40	1	705×450×138
Supplied spare box		89	1	2706×842.5×557

Boom / Jib combinations

Components	Structure	Length (m)
1st jib section		7.14
2nd jib section		7.4
Boom extension		7.1
Offsetting bracket		3.52
Connecting bracket		2.1

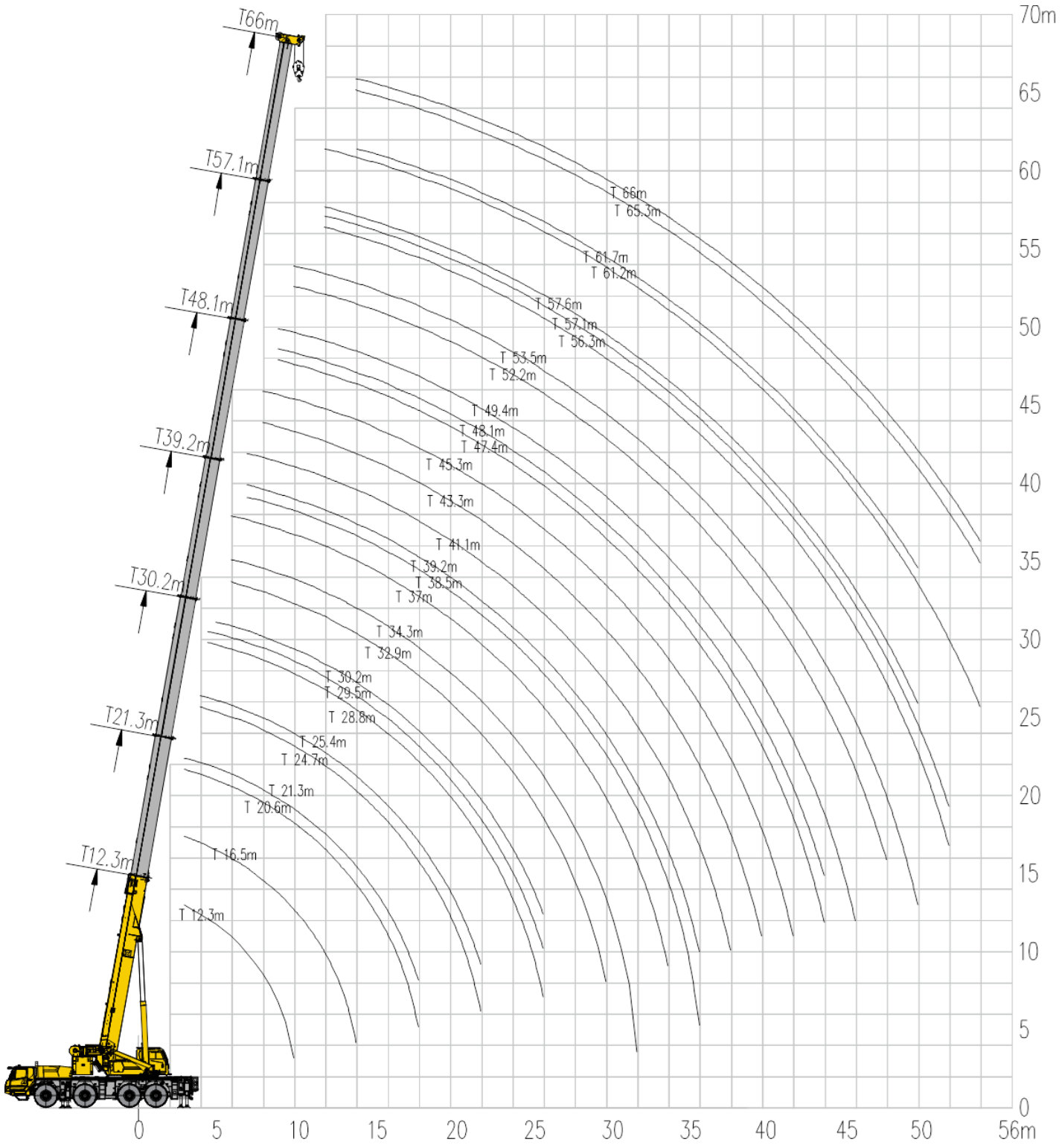
Boom / Jib combinations

Fixed jib	
Fixed jib – 11 m	
Fixed jib – 18.5 m	
Fixed jib – 25.5 m	

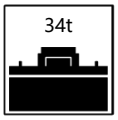
Boom / Jib combinations

Boom	Fixed jib
T: 12.3-66 m	T: 12.3~61.7/65.3 m F: 11 m/18.5 m V: 7 m

Working range diagram



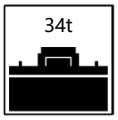
T 12.3-41.1m



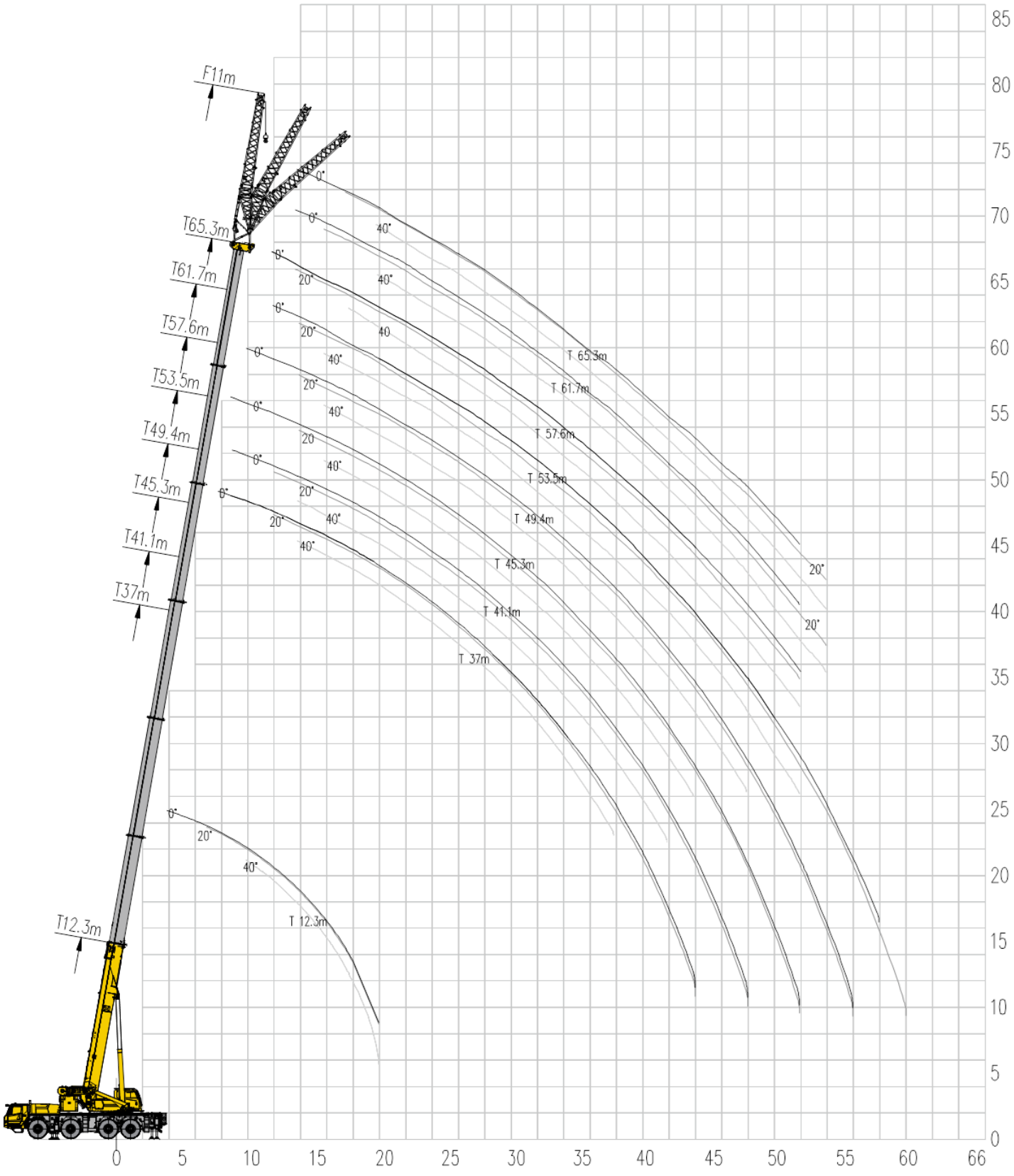
	12.3	16.5	20.6	21.3	24.7	25.4	28.8	29.5	30.2	32.9	34.3	37.0	38.5	39.2	41.1	
2.5	120.0*															2.5
3	70.0	70.0	69.3	39.4												3
3.5	70.0	68.6	67.2	37.0												3.5
4	66.4	67.9	63.0	34.5	60.2	33.0										4
4.5	61.7	64.9	60.5	32.6	56.8	32.5	55.7	24.4								4.5
5	57.4	60.2	58.0	30.8	53.3	30.5	52.8	23.6	24.5							5
6	50.1	53.2	52.4	27.9	48.6	27.0	47.1	21.6	22.4	45.2	22.0	43.5				6
7	45.0	46.6	46.6	25.0	45.1	24.4	43.0	19.6	20.4	41.4	20.3	39.2	19.0	18.5	37.0	7
8	39.5	41.8	42.1	22.8	41.8	22.4	38.8	17.9	18.6	37.8	18.9	36.5	17.7	17.2	34.2	8
9	34.5	38.2	37.2	21.0	36.3	20.5	35.8	16.5	17.3	34.9	17.4	34.0	16.3	15.9	31.4	9
10	25.5	33.7	34.0	19.5	33.6	18.9	33.3	15.2	16.3	32.0	16.3	31.0	15.1	14.6	28.7	10
12		27.6	25.5	16.9	28.4	16.4	28.4	13.0	14.1	27.4	14.1	25.4	13.0	12.7	24.2	12
14		18.9	22.2	14.9	23.0	14.4	22.9	11.4	12.3	22.5	12.5	21.5	11.6	11.3	20.2	14
16			18.4	13.4	18.9	12.8	18.8	10.0	11.1	18.4	11.2	17.9	10.3	10.1	16.8	16
18			14.9	12.2	15.8	11.4	15.7	8.9	10.0	15.3	10.2	14.9	9.3	9.1	14.9	18
20					13.4	10.4	13.3	8.2	8.9	13.0	9.3	13.0	8.5	8.3	12.9	20
22					11.3	9.6	11.5	7.5	8.3	11.1	8.6	11.1	7.8	7.7	11.2	22
24							9.9	6.8	7.7	9.7	8.0	9.6	7.3	7.1	9.7	24
26							8.7	6.2	7.0	8.6	7.4	8.9	6.7	6.5	8.5	26
28										7.8	6.9	7.9	6.2	6.0	7.7	28
30										7.0	6.4	7.1	5.8	5.7	7.0	30
32											5.1	6.3	5.5	5.2	6.2	32
34												5.7	5.2	4.8	5.9	34
36													4.8	4.5	5.4	36
38															4.9	38

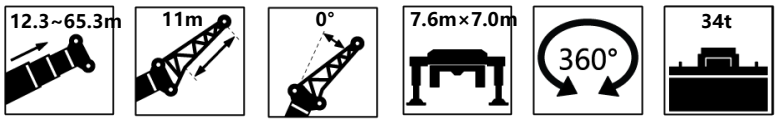
*起重能力等级

T 43.3-66m

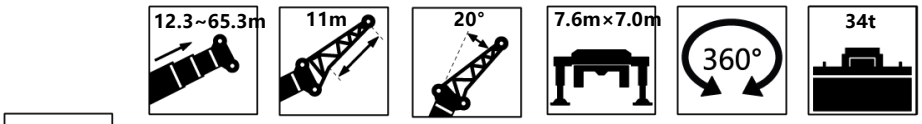


	43.3	45.3	47.4	48.1	49.4	52.2	53.5	56.3	57.1	57.6	61.2	61.7	65.3	66	
7															7
8	17.1	29.4													8
9	16.3	27.8	15.9	15.6	24.2										9
10	15.4	25.4	15.0	14.7	23.2	14.5	18.1								10
12	13.5	23.1	13.1	12.9	20.6	13.3	18.1	12.7	12.6	14.1	11.3				12
14	12.0	19.5	11.7	11.5	18.3	12.1	16.3	11.7	11.4	14.1	11.3	11.7	9.5	9.2	14
16	10.7	16.6	10.4	10.3	16.2	10.9	14.5	10.8	10.5	13.1	10.7	11.7	9.5	9.2	16
18	9.7	14.4	9.4	9.3	14.3	9.8	13.1	9.8	9.6	11.9	10.4	11.1	9.4	9.1	18
20	8.7	12.2	8.6	8.5	12.1	9.0	11.9	8.9	8.8	10.7	9.4	10.1	9.2	8.8	20
22	8.1	10.7	7.9	7.8	10.6	8.3	10.3	8.2	8.1	9.7	8.6	9.2	8.5	8.3	22
24	7.4	9.3	7.3	7.2	9.1	7.6	9.5	7.5	7.4	9.0	7.8	8.4	7.6	7.7	24
26	6.9	8.7	6.7	6.7	8.3	7.1	8.5	7.0	6.9	7.9	7.3	7.7	7.1	7.1	26
28	6.4	7.7	6.3	6.2	7.4	6.6	7.6	6.5	6.4	7.4	6.7	6.8	6.6	6.6	28
30	6.0	6.8	5.9	5.8	6.7	6.2	6.7	6.0	6.0	6.5	5.9	6.2	5.9	5.9	30
32	5.7	6.0	5.5	5.4	6.3	5.8	6.1	5.5	5.5	5.7	5.2	5.4	5.2	5.3	32
34	5.3	5.3	5.1	5.1	5.6	5.3	5.4	4.9	4.8	5.0	4.5	4.8	4.8	4.9	34
36	5.0	4.7	4.8	4.6	5.0	4.7	4.8	4.3	4.3	4.5	4.3	4.2	4.1	4.1	36
38	4.8	4.2	4.6	4.5	4.5	4.2	4.3	3.8	3.8	3.9	3.8	3.6	3.7	3.8	38
40	4.3	3.7	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.5	3.3	3.2	3.2	3.3	40
42		3.3	3.7	3.8	3.6	3.6	3.4	3.3	3.3	3.0	2.9	2.7	2.8	2.9	42
44			3.5	3.5	3.2	3.2	3.0	2.9	2.9	2.7	2.6	2.4	2.4	2.5	44
46					2.9	2.9	2.6	2.5	2.5	2.3	2.2	2.0	2.1	2.1	46
48						2.6	2.3	2.2	2.2	2.0	1.9	1.7	1.8	1.8	48
50							2.0	2.0	2.0	1.7	1.6	1.4	1.5	1.5	50
52								1.7	1.7		1.4		1.2	1.2	52
54											1.1		1.0	0.9	54

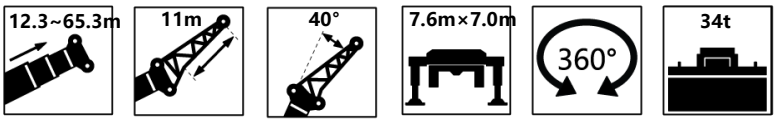

F11m
T65.3m
T61.7m
T57.6m
T53.5m
T49.4m
T45.3m
T41.1m
T37m
T12.3m
T 65.3m
T 61.7m
T 57.6m
T 53.5m
T 49.4m
T 45.3m
T 41.1m
T 37m
T 12.3m
0°
20°
40°
0 5 10 15 20 25 30 35 40 45 50 55 60 66
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85



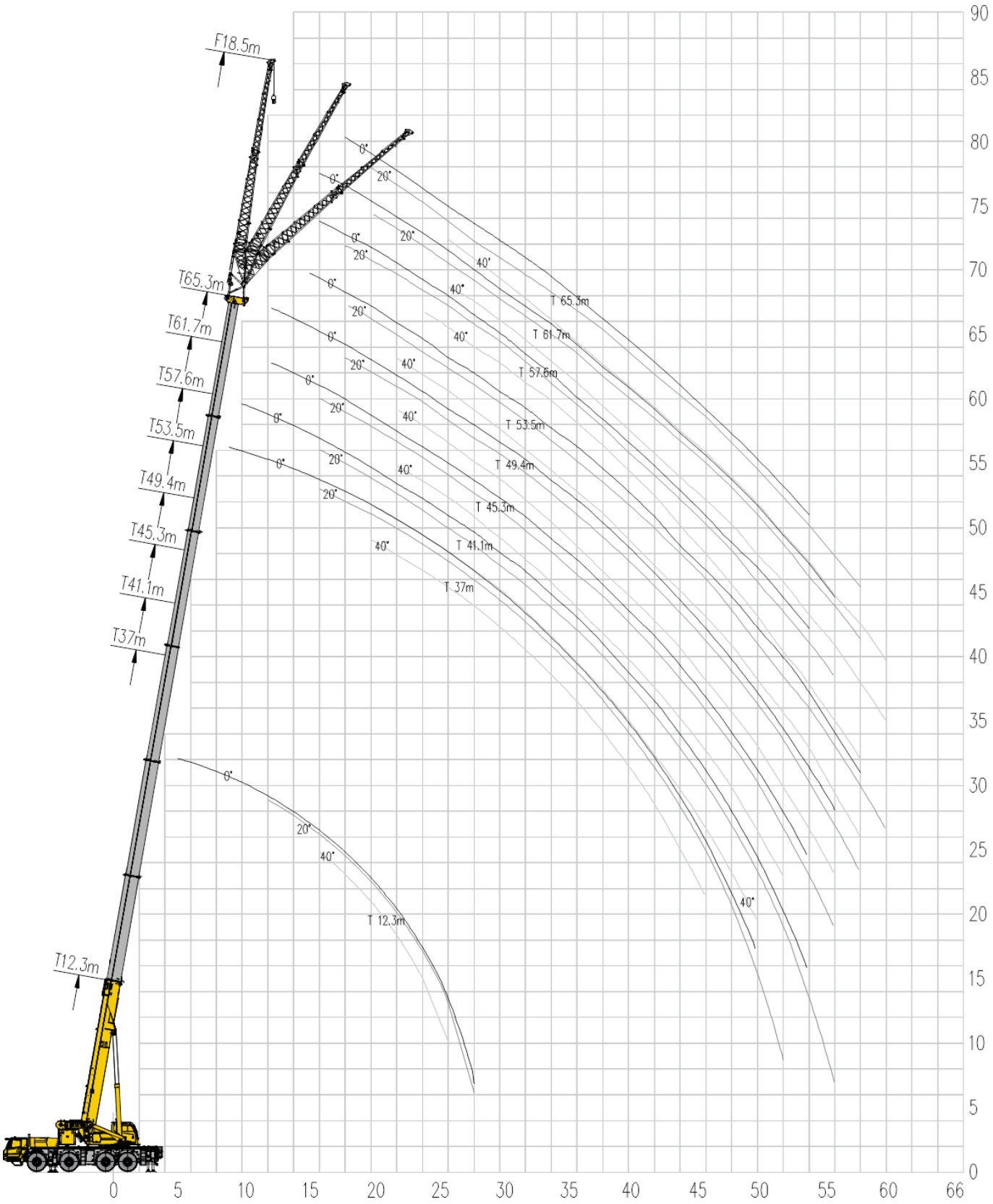
	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
4	17.0														4
4.5	17.0														4.5
5	17.0														5
6	17.0														6
7	17.0														7
8	17.0	14.9	15.8												8
9	16.8	14.9	15.8	12.4	13.5	12.0	12.6								9
10	15.6	14.9	15.8	11.5	13.5	11.3	12.6	10.0	11.4						10
12	13.2	14.9	15.8	9.7	13.5	9.8	12.6	9.4	11.3	7.9	10.0	7.8			12
14	11.4	14.9	15.8	8.4	13.5	8.4	12.6	8.9	11.2	7.7	9.9	7.8	5.9	4.6	14
16	10.0	14.9	15.6	7.2	13.5	7.5	12.6	8.3	11.1	7.5	9.6	7.8	5.9	4.6	16
18	9.0	14.3	14.5	6.3	13.5	6.5	11.9	7.3	10.4	7.3	9.4	7.5	5.8	4.5	18
20	8.4	12.5	12.5	5.5	11.9	5.7	10.4	6.5	9.2	6.7	9.1	7.3	5.7	4.5	20
22		11.6	10.6	4.8	10.6	5.0	9.3	5.7	8.4	5.9	7.7	7.1	5.6	4.4	22
24		10.0	9.1	4.3	9.5	4.4	8.4	5.2	7.5	5.4	6.9	6.4	5.4	4.3	24
26		8.6	7.8	3.9	8.1	4.0	7.6	4.6	6.7	4.9	6.2	5.8	5.3	4.2	26
28		7.5	6.6	3.4	7.0	3.6	6.7	4.2	6.0	4.4	5.6	5.2	5.0	4.0	28
30		6.5	5.7	3.0	6.0	3.2	5.8	3.8	5.5	4.0	5.1	4.8	4.6	4.0	30
32		5.7	4.8	2.7	5.2	2.8	4.9	3.5	4.9	3.6	4.6	4.4	4.2	3.9	32
34		4.9	4.1	2.5	4.4	2.6	4.2	3.1	4.1	3.3	4.2	3.9	3.8	3.5	34
36		4.3	3.5	2.2	3.8	2.3	3.6	2.9	3.5	3.0	3.6	3.6	3.6	3.2	36
38		3.7	2.9	1.9	3.2	2.1	3.0	2.6	2.9	2.8	3.0	3.2	3.2	2.9	38
40		3.2	2.4	1.8	2.7	1.9	2.5	2.4	2.4	2.5	2.5	2.7	2.9	2.8	40
42		2.8	2.0	1.6	2.3	1.7	2.1	2.2	2.0	2.3	2.1	2.2	2.4	2.4	42
44		2.4	1.6	1.4	1.9	1.6	1.7	2.0	1.6	2.1	1.7	1.8	2.0	2.0	44
46				1.2	1.5	1.3	1.3	1.9	1.2	1.9	1.3	1.4	1.6	1.6	46
48				1.0	1.2	1.1	1.0	1.6	0.9	1.8	1.0	1.1	1.3	1.3	48
50						1.0	0.7	1.5	0.6	1.6	0.7	0.8	1.0	1.0	50
52						0.9		1.4		1.4		0.5	0.7	0.7	52
54								1.2		1.2					54
56								1.1		0.9					56
58										0.7					58



	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
7	9.7														7
8	9.3														8
9	8.6														9
10	8.4														10
12	7.6	10.1	10.3	8.3	10.5										12
14	6.9	9.3	9.6	7.4	9.8	7.2	9.9	8.2	9.8	8.5					14
16	6.1	8.7	8.9	6.6	9.1	6.5	9.3	7.4	9.3	7.7	9.3	7.3			16
18	5.6	8.4	8.5	5.8	8.5	5.9	8.7	6.7	8.9	7.0	8.9	7.2	5.7	4.7	18
20	5.3	8.2	8.3	5.1	8.4	5.3	8.4	5.9	8.4	6.2	8.1	7.1	5.6	4.6	20
22		7.7	7.9	4.5	8.1	4.7	8.2	5.4	8.0	5.6	7.4	6.8	5.5	4.5	22
24		7.3	7.4	4.1	7.7	4.2	7.9	4.9	7.3	5.1	6.6	6.1	5.4	4.3	24
26		6.9	7.1	3.7	7.2	3.8	7.3	4.4	6.5	4.6	6.1	5.6	5.2	4.2	26
28		6.6	6.7	3.2	6.9	3.4	6.6	4.1	5.9	4.2	5.5	5.1	4.9	4.1	28
30		6.3	6.2	3.0	6.5	3.1	6.1	3.7	5.4	3.8	4.9	4.6	4.5	4.0	30
32		6.0	5.3	2.6	5.6	2.8	5.4	3.3	4.9	3.5	4.5	4.3	4.1	3.8	32
34		5.3	4.5	2.5	4.8	2.6	4.6	3.1	4.5	3.3	4.1	3.9	3.7	3.6	34
36		4.6	3.8	2.1	4.2	2.3	4.0	2.8	3.9	3.0	3.8	3.6	3.5	3.3	36
38		4.0	3.2	2.0	3.5	2.1	3.4	2.6	3.3	2.8	3.4	3.3	3.2	3.1	38
40		3.4	2.7	1.8	3.0	1.9	2.8	2.4	2.8	2.5	2.9	3.0	3.0	2.8	40
42		2.9	2.2	1.6	2.5	1.8	2.3	2.2	2.3	2.4	2.4	2.5	2.8	2.6	42
44		2.5	1.7	1.4	2.1	1.5	1.9	2.0	1.9	2.1	2.0	2.1	2.3	2.3	44
46				1.2	1.7	1.4	1.5	1.8	1.5	2.0	1.6	1.7	1.9	1.9	46
48				1.0	1.3	1.3	1.1	1.7	1.1	1.9	1.2	1.4	1.6	1.5	48
50						1.1	0.8	1.6	0.8	1.7	0.9	1.0	1.2	1.2	50
52						0.9		1.4		1.6	0.6	0.7	0.9	0.9	52
54								1.3		1.3			0.7	0.6	54
56								1.1		1.0					56
58										0.8					58
60										0.5					60



	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
10	5.7														10
12	5.3														12
14	5.0	6.1	6.0	5.8	6.0										14
16	4.6	5.7	5.8	5.6	5.8	6.1	5.9								16
18	4.5	5.5	5.6	5.4	5.6	5.6	5.7	5.3	5.6	5.2	5.6	5.8			18
20	4.5	5.3	5.3	4.9	5.4	5.1	5.4	5.2	5.4	5.1	5.3	5.5			20
22		5.1	5.1	4.4	5.2	4.6	5.2	5.0	5.2	5.0	5.2	5.2	5.4	4.6	22
24		5.0	5.0	3.9	5.0	4.1	5.1	4.7	5.1	4.8	5.0	5.0	5.2	4.4	24
26		4.8	4.8	3.5	4.9	3.7	5.0	4.4	4.9	4.5	4.9	4.9	4.9	4.3	26
28		4.6	4.6	3.2	4.8	3.4	4.8	4.0	4.8	4.1	4.7	4.6	4.5	4.2	28
30		4.5	4.6	2.9	4.6	3.1	4.7	3.6	4.6	3.9	4.6	4.5	4.3	4.0	30
32		4.5	4.5	2.6	4.5	2.8	4.6	3.4	4.5	3.5	4.4	4.3	4.1	3.8	32
34		4.4	4.5	2.4	4.4	2.5	4.5	3.1	4.5	3.4	4.2	4.0	3.8	3.5	34
36		4.3	4.0	2.2	4.4	2.4	4.2	2.9	4.2	3.1	3.9	3.7	3.6	3.3	36
38		4.1	3.3	2.0	3.7	2.1	3.6	2.7	3.6	2.8	3.7	3.4	3.4	3.1	38
40				1.8	3.1	2.0	3.0	2.5	3.0	2.7	3.1	3.2	3.1	2.9	40
42				1.6	2.6	1.7	2.5	2.3	2.5	2.5	2.6	2.8	3.0	2.7	42
44						1.6	2.0	2.2	2.0	2.3	2.1	2.3	2.5	2.5	44
46								1.9	1.6	2.2	1.7	1.9	2.1	2.1	46
48								1.8	1.2	1.9	1.3	1.5	1.7	1.7	48
50										1.8	1.0	1.2	1.4	1.4	50
52										1.6	0.6	0.8	1.1	1.1	52
54													0.8	0.8	54


F18.5m
T65.3m
T61.7m
T57.6m
T53.5m
T49.4m
T45.3m
T41.1m
T37m
T12.3m
T 65.3m
T 61.7m
T 57.6m
T 53.5m
T 49.4m
T 45.3m
T 41.1m
T 37m
T 12.3m
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40°
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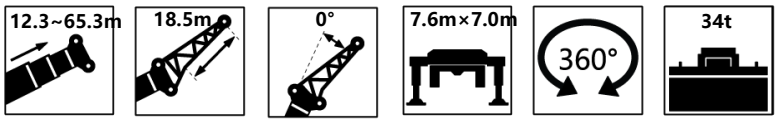
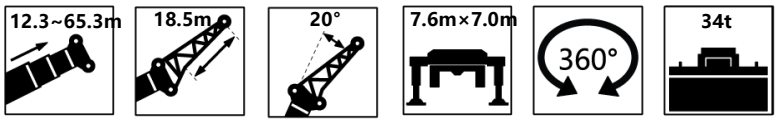
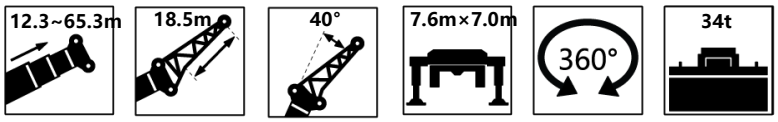
45
50
55
60
66



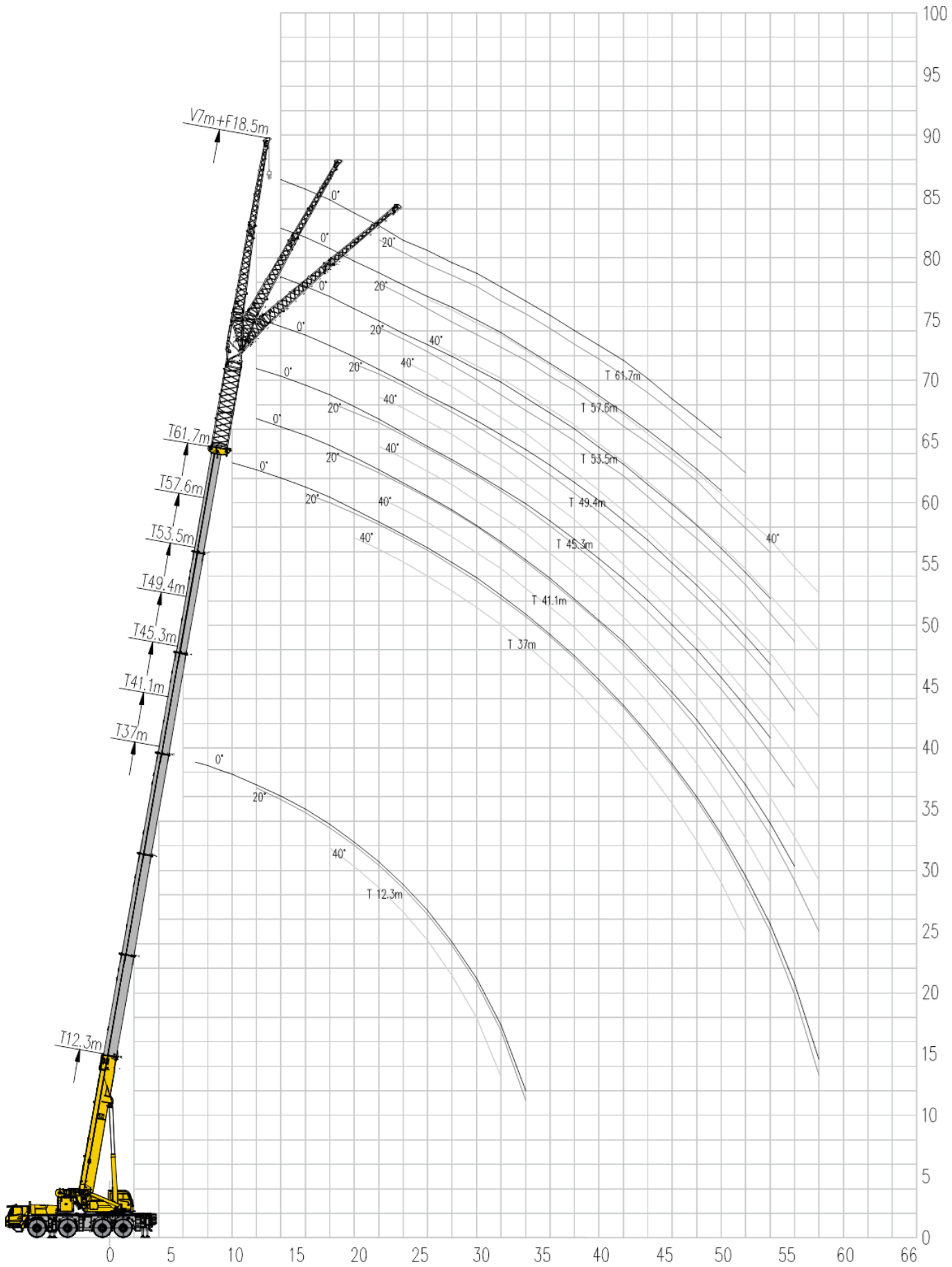
	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
5	6.8														5
6	6.8														6
7	6.8														7
8	6.8														8
9	6.8	6.0	6.8												9
10	6.6	6.0	6.7	5.3	6.6										10
12	5.5	5.9	6.6	5.2	6.4	4.8	6.1	4.5	5.6						12
14	4.7	5.9	6.5	5.0	6.1	4.6	5.9	4.4	5.5	4.2	4.9	4.3	3.7		14
16	4.1	5.9	6.3	4.9	5.8	4.4	5.7	4.3	5.3	4.0	4.8	4.3	3.7	3.0	16
18	3.7	5.9	6.2	4.9	5.7	4.4	5.4	4.2	5.2	4.0	4.6	4.2	3.6	3.0	18
20	3.3	5.9	6.2	4.8	5.7	4.4	5.4	4.2	5.0	4.0	4.5	4.1	3.5	3.0	20
22	2.9	5.6	5.7	4.3	5.7	4.4	5.4	4.2	4.9	4.0	4.4	4.1	3.5	3.0	22
24	2.7	5.1	5.2	3.8	5.5	4.0	5.4	4.2	4.9	4.0	4.4	4.0	3.4	2.9	24
26	2.5	4.7	4.8	3.5	5.1	3.5	5.4	4.2	4.9	4.0	4.4	4.0	3.4	2.9	26
28	2.3	4.4	4.5	3.1	4.8	3.1	5.0	3.8	4.9	3.9	4.4	4.0	3.4	2.9	28
30		4.0	4.1	2.7	4.4	2.8	4.7	3.4	4.9	3.6	4.4	4.0	3.4	2.9	30
32		3.8	3.9	2.4	4.1	2.5	4.3	3.1	4.6	3.2	4.3	3.9	3.4	2.9	32
34		3.6	3.6	2.2	3.9	2.3	4.1	2.7	4.2	2.9	3.9	3.5	3.4	2.9	34
36		3.3	3.4	1.9	3.6	2.0	3.8	2.5	3.8	2.7	3.5	3.2	3.1	2.9	36
38		3.1	3.2	1.7	3.4	1.9	3.5	2.3	3.4	2.4	3.1	3.0	2.9	2.7	38
40		3.0	3.0	1.5	3.2	1.6	3.0	2.1	2.9	2.2	2.9	2.7	2.6	2.5	40
42		2.9	2.6	1.3	2.8	1.5	2.5	1.9	2.4	2.0	2.4	2.5	2.4	2.3	42
44		2.8	2.2	1.1	2.4	1.3	2.1	1.8	2.0	1.8	2.0	2.1	2.2	2.1	44
46		2.5	1.8	0.9	2.0	1.1	1.8	1.5	1.7	1.7	1.7	1.8	1.9	1.9	46
48		2.2	1.5	0.9	1.7	1.0	1.4	1.4	1.3	1.6	1.3	1.4	1.6	1.5	48
50		1.9	1.2	0.8	1.4	0.9	1.1	1.3	1.0	1.4	1.0	1.1	1.3	1.2	50
52					1.1		0.8	1.1	0.7	1.2	0.7	0.8	1.0	0.9	52
54					0.8		0.6	1.0		1.1	0.5	0.6	0.7	0.7	54
56								0.9		1.0			0.5		56
58										0.8					58



	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
12	3.4														12
14	3.2														14
16	2.8	3.7	3.9	3.6	3.9										16
18	2.5	3.6	3.6	3.5	3.7	3.8	3.9	3.6	3.9						18
20	2.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.7	3.5	3.8	3.9			20
22	2.2	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.4	3.6	3.7	3.9	3.0	22
24	2.0	2.9	3.0	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.5	3.6	3.0	24
26	1.9	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.0	26
28	1.8	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.0	28
30		2.6	2.6	2.6	2.6	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	30
32		2.5	2.5	2.4	2.5	2.5	2.7	2.6	2.7	2.8	2.8	2.8	2.9	3.0	32
34		2.3	2.3	2.1	2.4	2.2	2.5	2.5	2.6	2.7	2.6	2.7	2.8	2.9	34
36		2.2	2.2	1.9	2.2	2.1	2.4	2.4	2.5	2.6	2.5	2.6	2.7	2.8	36
38		2.1	2.1	1.7	2.1	1.8	2.3	2.3	2.3	2.5	2.4	2.5	2.6	2.7	38
40		2.0	2.0	1.6	2.1	1.7	2.2	2.1	2.3	2.3	2.4	2.4	2.5	2.5	40
42		2.0	2.0	1.3	2.0	1.5	2.1	1.9	2.2	2.1	2.3	2.4	2.4	2.3	42
44		1.9	1.9	1.1	2.0	1.4	2.0	1.8	2.1	1.9	2.2	2.2	2.3	2.2	44
46		1.8	1.8	1.0	1.9	1.2	2.0	1.6	2.0	1.7	2.1	2.1	2.1	1.9	46
48		1.8	1.7	0.9	1.8	1.0	1.8	1.5	1.7	1.6	1.8	1.9	1.9	1.8	48
50		1.8	1.4	0.8	1.6	0.8	1.5	1.2	1.4	1.4	1.4	1.6	1.7	1.6	50
52		1.6	1.0		1.3	0.8	1.1	1.1	1.1	1.3	1.1	1.2	1.4	1.4	52
54					1.0		0.8	1.0	0.8	1.1	0.8	0.9	1.1	1.1	54
56					0.7		0.5	1.0	0.5	1.0	0.6	0.7	0.8	0.8	56
58								0.8		0.9			0.6	0.5	58
60										0.8					60



	12.3	37	37	41.1	41.1	45.3	45.3	49.4	49.4	53.5	53.5	57.6	61.7	65.3	
16	2.1														16
18	2.0														18
20	1.9	2.4	2.4	2.5	2.4										20
22	1.8	2.3	2.3	2.3	2.3	2.5	2.4	2.5	2.5						22
24	1.6	2.2	2.2	2.2	2.2	2.4	2.3	2.4	2.3	2.4	2.4	2.6			24
26	1.6	2.1	2.1	2.1	2.2	2.3	2.2	2.3	2.2	2.3	2.3	2.4	2.4	2.1	26
28		1.9	1.9	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.0	28
30		1.8	1.8	1.9	1.8	1.9	2.0	1.9	1.9	2.1	2.2	2.2	2.1	2.0	30
32		1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.9	2.1	2.1	2.1	2.1	2.0	32
34		1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	1.9	2.0	2.0	34
36		1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	36
38		1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.9	38
40		1.6	1.6	1.5	1.7	1.6	1.6	1.7	1.7	1.8	1.7	1.8	1.8	1.8	40
42		1.6	1.6	1.4	1.6	1.6	1.6	1.7	1.7	1.6	1.7	1.8	1.8	1.8	42
44		1.6	1.6	1.3	1.6	1.4	1.6	1.7	1.7	1.6	1.7	1.7	1.7	1.8	44
46		1.6	1.6	1.1	1.6	1.1	1.6	1.7	1.6	1.6	1.7	1.7	1.7	1.7	46
48				0.9	1.6	1.1	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	48
50				0.7	1.6	0.9	1.6	1.5	1.6	1.5	1.6	1.7	1.7	1.7	50
52						0.8	1.3	1.3	1.3	1.4	1.4	1.5	1.7	1.6	52
54								1.1	0.9	1.2	1.0	1.2	1.4	1.3	54
56								1.0	0.6	1.1	0.7	0.9	1.1	1.0	56
58										1.0		0.6	0.8	0.8	58
60													0.5	0.5	60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T61.7m
T57.6m
T53.5m
T49.4m
T45.3m
T41.1m
T37m
T12.3m
0°
20°
40°
T 61.7m
T 57.6m
T 53.5m
T 49.4m
T 45.3m
T 41.1m
T 37m
T 12.3m
0 5 10 15 20 25 30 35 40 45 50 55 60 66
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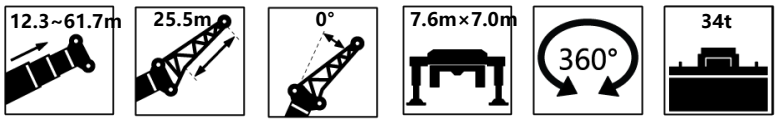

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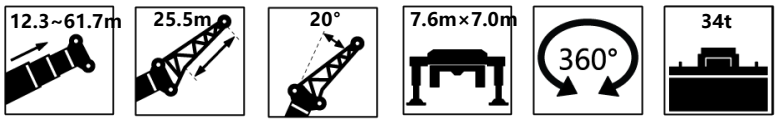
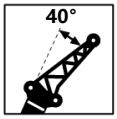
7	6.4									7
8	6.4									8
9	6.4									9
10	6.4	5.5	5.6							10
12	6.4	5.4	5.6	5.3	5.0					12
14	6.2	5.3	5.6	5.2	4.9	4.6	4.1	3.9	3.1	14
16	5.4	5.3	5.6	5.2	4.8	4.6	4.1	3.8	3.1	16
18	4.8	5.3	5.6	5.2	4.8	4.5	4.0	3.7	3.1	18
20	4.3	5.3	5.6	5.2	4.8	4.4	4.0	3.6	3.1	20
22	3.9	5.3	5.6	5.2	4.8	4.4	4.0	3.5	3.1	22
24	3.5	5.3	5.6	5.2	4.8	4.4	4.0	3.5	3.0	24
26	3.1	5.3	5.4	5.2	4.8	4.4	4.0	3.5	2.9	26
28	2.9	5.0	5.0	5.2	4.8	4.4	4.0	3.5	2.9	28
30	2.6	4.6	4.7	4.8	4.8	4.4	3.9	3.4	2.9	30
32	2.5	4.2	4.3	4.5	4.6	4.1	3.6	3.3	2.9	32
34	2.3	4.0	4.0	4.2	4.2	3.7	3.2	3.0	2.9	34
36		3.8	3.8	4.0	3.8	3.3	2.9	2.6	2.6	36
38		3.6	3.6	3.9	3.4	2.9	2.6	2.4	2.3	38
40		3.4	3.2	3.4	3.1	2.7	2.4	2.2	2.1	40
42		3.2	2.8	2.9	2.6	2.4	2.2	2.0	1.9	42
44		3.0	2.4	2.5	2.2	2.1	1.9	1.8	1.8	44
46		2.6	2.0	2.1	1.9	1.7	1.7	1.6	1.6	46
48		2.2	1.7	1.8	1.5	1.4	1.4	1.4	1.4	48
50		1.9	1.3	1.5	1.2	1.1	1.1	1.1	1.2	50
52		1.6	1.1	1.2	0.9	0.8	0.8			52
54		1.4	0.8	0.9	0.7	0.5	0.5			54
56		1.1	0.6	0.7						56
58		0.9								58



	12.3	37	37	41.1	45.3	49.4	53.5	57.6	61.7	
12	3.9									12
14	3.7									14
16	3.3	4.3	4.2							16
18	3.0	3.9	3.9	4.0	3.9					18
20	2.8	3.6	3.7	3.8	3.8	3.8				20
22	2.6	3.5	3.4	3.5	3.7	3.7	3.6	3.7	3.1	22
24	2.4	3.2	3.3	3.4	3.5	3.6	3.5	3.6	3.1	24
26	2.2	3.0	3.0	3.2	3.2	3.3	3.3	3.4	3.0	26
28	2.0	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.0	28
30	1.9	2.8	2.7	2.8	3.0	3.0	3.1	3.2	3.0	30
32	1.8	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.0	32
34	1.8	2.5	2.5	2.5	2.7	2.8	2.9	3.0	2.9	34
36		2.4	2.4	2.4	2.6	2.7	2.8	2.8	2.6	36
38		2.3	2.3	2.3	2.5	2.6	2.6	2.6	2.4	38
40		2.1	2.1	2.3	2.4	2.4	2.5	2.3	2.2	40
42		2.1	2.1	2.2	2.2	2.3	2.3	2.1	2.0	42
44		2.0	2.0	2.1	2.1	2.2	2.0	1.9	1.8	44
46		2.0	2.0	2.0	2.1	2.1	1.9	1.7	1.7	46
48		1.9	1.9	2.0	2.0	1.9	1.6	1.6	1.4	48
50		1.9	1.7	1.8	1.6	1.5	1.5	1.4	1.3	50
52		1.8	1.3	1.5	1.3	1.2	1.2	1.2	1.1	52
54		1.6	1.0	1.2	1.0	0.9	0.9	1.0		54
56		1.3	0.7	0.9	0.7	0.6	0.6			56
58		1.0		0.7						58



	12.3	37	37	41.1	45.3	49.4	53.5	57.6	61.7	
18	2.1									18
20	2.1	2.2	2.4							20
22	2.0	2.2	2.3	2.3	2.4	2.4				22
24	1.9	2.2	2.2	2.2	2.3	2.3	2.5			24
26	1.8	2.1	2.1	2.1	2.1	2.2	2.4	2.4	2.5	26
28	1.8	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.4	28
30	1.7	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	30
32	1.6	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.0	32
34		1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	34
36		1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	36
38		1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	38
40		1.7	1.7	1.6	1.8	1.8	1.8	1.8	1.8	40
42		1.7	1.7	1.6	1.7	1.8	1.8	1.8	1.8	42
44		1.6	1.6	1.6	1.7	1.6	1.8	1.8	1.8	44
46		1.6	1.6	1.6	1.7	1.6	1.7	1.8	1.8	46
48		1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	48
50		1.6	1.6	1.6	1.6	1.6	1.7	1.5	1.5	50
52		1.6	1.4	1.6	1.5	1.5	1.5	1.4	1.4	52
54				1.3	1.2	1.1	1.2	1.3	1.2	54
56					0.9	0.8	0.9	1.0	1.0	56
58					0.6	0.5	0.6	0.7	0.8	58

Main technical parameters

Category	Item		Unit	Parameters
Dimensions	Dimensions (L×W×H)		mm	14343×2800×3930 (385/95R25) 14343×2800×3980 (445/95R25)
	Axle spacing		mm	2450+2900+1700
	Track (front/rear)		mm	2390 (385/95R25) 2360 (445/95R25)
	Front overhang / rear overhang		mm	2550/2517
	Front extension / rear extension		mm	1756/470
Weight	Max. permissible total weight		kg	48000
	Axle load	Axle 1	kg	12000
		Axle 2	kg	12000
		Axle 3	kg	12000
		Axle 4	kg	12000
Power	Engine model		——	WP10.5H460E50
	Rated power / RPM		kW/(r/min)	338 /1900
	Max. net power / RPM		kW/(r/min)	333/1900
	Max. output torque / RPM		N.m/(r/min)	2100/1000-1400
Travel	Max. travel speed		km/h	80
	Min. stable travel speed		km/h	3
	Min. turning diameter		m	≤15.5 (all-wheel steering) ≤22 (road steering)
	Min. turning diameter of boom head		m	≤21 (all-wheel steering) ≤27 (road steering)
	Min. ground clearance		mm	330 (385/95R25) 380 (445/95R25)
	Approach angle		°	20 (385/95R25) 21.6 (445/95R25)
	Departure angle		°	10.5 (385/95R25) 12 (445/95R25)
	Braking distance (initial speed at 30 km/h)		m	≤10
	Max. grade ability		%	60
	Fuel consumption per 100 km		L	56
Noise	Exterior noise level when accelerating		dB(A)	≤83
	Noise level at seated position		dB(A)	≤80

Main technical parameters

Type	Item			Unit	Parameters
Main performance	Max. rated lifting capacity			t	120
	Min. rated working radius			m	2.5
	Turning radius at turntable tail	At the counterweight		mm	4600
		At auxiliary winch		mm	4600
	Max. load moment	Base boom		kN.m	3096
		Fully-extended boom		kN.m	1811
		Fully-extended boom + jib		kN.m	1230
	Outrigger span	Longitudinal		m	7.6
		Lateral		m	7.0/5.95/5.0/3.83
	Lifting height	Base boom		m	13.4
		Fully-extended boom		m	66
		Fully-extended boom + jib		m	87
	Boom length	Base boom		m	12.3
		Fully-extended boom		m	66
		Fully-extended boom + jib		m	87.2
	Jib offset angle			°	0/20/40
Parameters of working speed	Time for raising boom			s	≤60
	Time for fully extending boom			s	≤600
	Max. slewing speed			r/min	≥1.45
	Time for extending / retracting outriggers	Outrigger beams	Retracting	s	≤20
			Extending	s	≤25
		Outrigger jacks	Retracting	s	≤40
			Extending	s	≤45
	Lifting speed (Single line, no load)	Main winch system		m/min	≥135
		Auxiliary winch system		m/min	≥135
Noise	Exterior noise level			dB(A)	≤105
	At driver position			dB(A)	≤80

Description of symbols

	Superstructure
	Rated lifting load
	Counterweight
	Variable-position counterweight Slewing radius
	Hook block
	Parts of line
	Wind speed
	Rope length:
	Rope diameter
	Breaking force of wire rope
	Max. working speed
	Main winch
	Auxiliary winch
	Luffing
	Telescoping

	Slewing
	360° slewing
	360° slewing with the fifth jack down
	Slewing in side and rear areas
	Boom over front or over rear
	Chassis
	Outrigger span
	Tire
	Axle load
	Grade ability
	Travel speed
	Configuration
	Optional equipment
	Engine

Description of symbols

	Boom
	Boom length
	Boom working radius
	Boom lifting height
	Boom angle
	Boom section combinations
	Extension
	Independent jib head
	Simple jib head

	Fixed jib
	Fixed jib length
	Fixed jib offset angle
	Luffing jib
	Max. lifting height
	Max. working radius
	Super lift
	Wind power jib

Notes

1. The document is intended as reference only. It is only a guide and should not be used to operate the crane. See product manuals for correct operation instructions.
2. The total rated loads given in the load charts are the maximum lifting capacity (in tonne) under corresponding boom length and radius when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted from the rated lifting load.
3. The working radius shown in the load charts is the horizontal distance between the load and slewing axis of crane when the load is lifted off 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 is 14.1 m/s, wind pressure is 125 N/m^2).

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