



Empire Equipment Hire

SAC600E
SANY All-Terrain Crane
Call: 0477 999 294

QUALITY CHANGES THE WORLD



Max. Lifting Capacity: 60t
Max. Boom Length: 50m
Max. Lifting Height: 66.5m

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Model SAC600E | SERIES

SANY ALL TERRAIN CRANE SAC600E / 60T LIFTING CAPACITY

Optimal Performance

- Made of high strength structural steel, the telescopic boom integrates longer reach with lightweight concept. Longest boom is 50m, at which max. lifting height is 50.5m.
- Fixed jib mounted highly efficiently at offset angle 0°, 20°, or 40°, easy switchover.

Upgraded Operating Precision

- Key hydraulic components proved high quality and reliability, better controllability via precise data feedback.
- Smooth slewing and inching performance realized by balance valve.

Enhanced Safety

- LMI: all round protection, system warning for overloading.
- Hydraulic valves ensure stability.
- Hoist winch three-circle protector and boom top height limit switch prevent wire ropes from overhoisting up or down.
- Length, angle and pressure sensors help cut off dangerous motions automatically with buzzer warning.

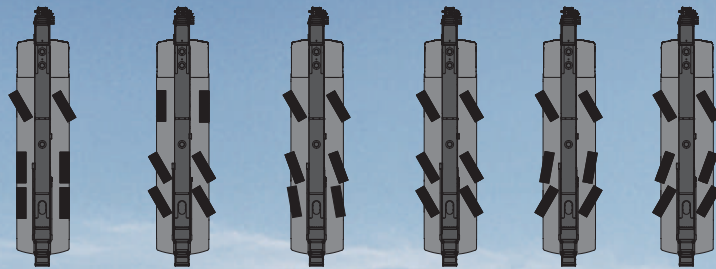


Modernity & Fuel Economy

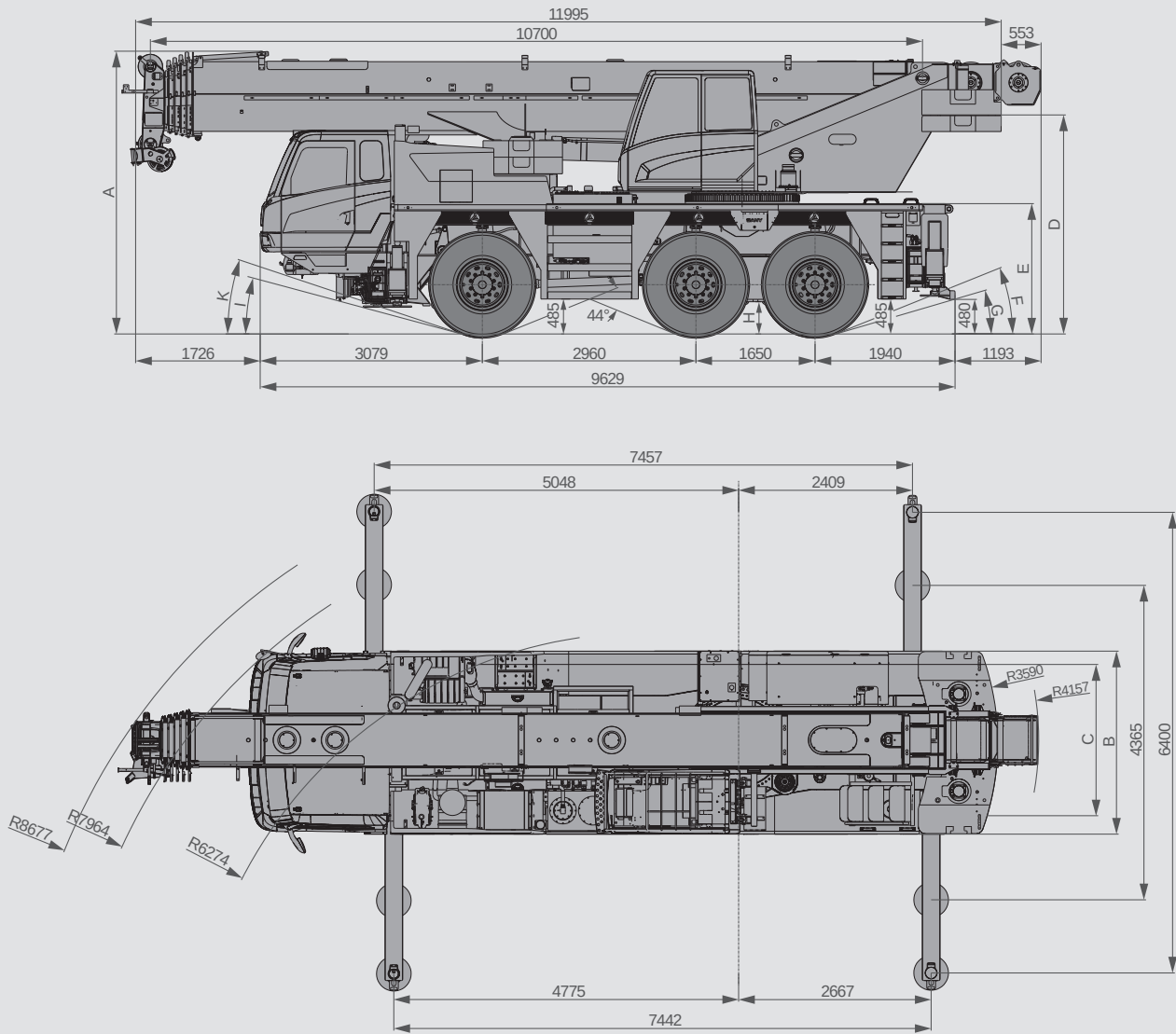
- Newly designed cab optimizes safety, comfort, and convenience of easier operation.
- Load sensing and constant power control optimize fuel utilization.

Access More in One

- SIX steering modes realize higher maneuverability, off-road agility, and improved riding comfort. Min. steering radius $\leq 6.5\text{m}$.



Overall Dimensions



Tire size	A	A*	B	C	D	E	F	G	H	I	K
Unit	mm	mm	mm	mm	mm	mm	°	°	mm	°	°
385	3777	3677	2550	2170	2992	1760	19.6	13.8	397	12	16
445	3827	3727	2550	2100	3042	1810	22	16	447	15	18
525	3827	3727	2690	2240	3042	1810	22	16	447	15	18

Remark: A column is calculated when suspension is at middle level. A* column is calculated when suspension is at lowest level.

Technical Specification

CATEGORY	ITEM		UNIT	VALUE
CAPACITY	Max. lifting capacity		t	60
WEIGHT	Gross weight		kg	36000
POWER	Engine model (Emission standard)		-	OM470.E3A-3
	Max. engine power		kW/rpm	280/1600
	Max. engine torque		N·m/rpm	1900/1300
DIMENSIONS	Overall length		mm	11995
	Overall width		mm	2550
	Overall height		mm	3777(#385 tires)
	Axle base	Axle 1&2	mm	2960
		Axle 2&3	mm	1650
TRAVEL	Max.travel speed		km/h	80
	Steering radius	Min.steering radius	m	6.5
		Min.steering radius of boom tip	m	10
	Wheel formula		-	6X4X6
	Min.ground clearance		mm	320(#385 tires)
	Approach angle		°	12(#385 tires)
	Departure angle		°	13.8(#385 tires)
	Max.gradeability		%	67
	Fuel consumption per 100km		L	60
MAIN PERFORMANCE	Working temperature range		°C	-20~45
	Min.rated lifting radius		m	3
	Tail slewing radius		m	3.59
	Boom sections (Qty.)		-	6
	Boom shape		-	U
	Max.lifting moment	Basic boom	kN·m	1881
		Full-extension boom	kN·m	1045
		Full-extension boom+jib	kN·m	630
	Boom length	Basic boom	m	10.7
		Full-extension boom	m	50
		Full-extension boom+jib	m	66
	Max.lifting height	Basic boom	m	11
		Full-extension boom	m	50.5
		Full-extension boom+jib	m	66.5
	Outrigger span (Longitudinal×Transverse)		m	7.45×6.4
	Jib offset		°	0, 20, 40
OPERATION SPEED	Max.single rope lifting speed of main winch (empty load)		m/min	130
	Max.single rope lifting speed of auxiliary winch (empty load)		m/min	130
	Full extension/retraction time of boom		s	350
	Full luffing up/down time of boom		s	60
	Slewing speed		r/min	1.6
Airconditioner	In operator's cab		-	Heating & Cooling
	In driver's cab		-	Heating & Cooling

Technical Parameters



Axle Load

Axle	1	2	3	Total weight
Axle load /t	12	12	12	36



Operations

Item		Rope diameter/length	Max. single line pull
Main winch		15mm/220m	47.7kN
Auxiliary winch		15mm/220m	47.7kN
Slewing		1.6r/min	
Luffing		60s/90s	
Telescoping		350s	
Outrigger jack	Retract	40s	
	Extend	50s	
Outrigger beam	Retract	40s	
	Extend	50s	



Counterweight Combinations

Total weight	3.3t	0.3t	2.9t	1.5t	1.5t	3.5t
3.3t	•					
3.6t	•	•				
7.1t	•	•				•
10.1t	•	•		•	•	•
13t	•	•	•	•	•	•



Hook

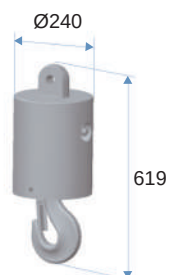
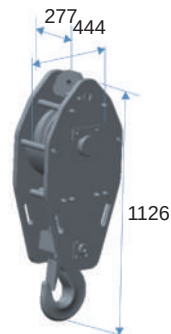
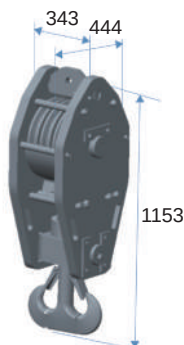
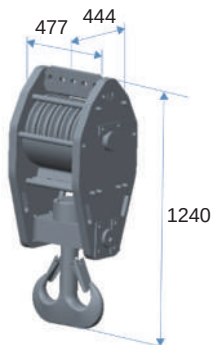
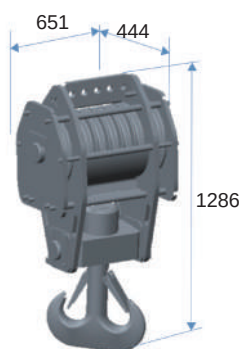
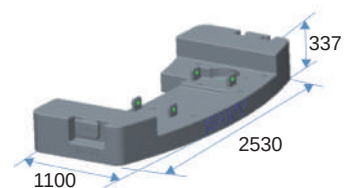
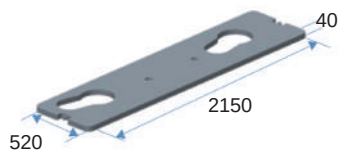
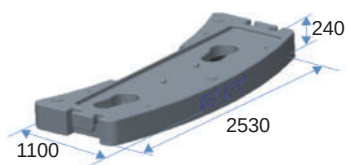
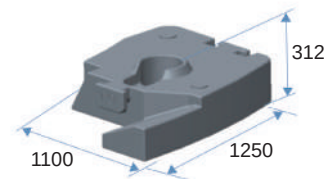
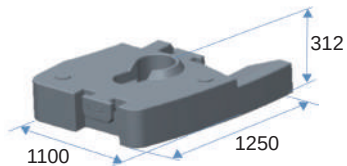
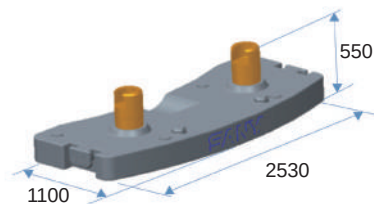
Travelling With Variable CW

Load/t	Number of sheaves	Rope rate	Hook weight /kg	Axle load	Drive	Tire Size	Hook block	Counterweight
60t	7	14	463	<12t	6×6	445	4.8t+14.2t	3.3t
48.9t	5	11	406	<12t	6×6	385	4.8t+14.2t	3.6t
32t	3	7	323	<12t	6×4	445	4.8t+14.2t	3.6t
14.2t	1	3	215	<12t	6×4	385	4.8t+14.2t	3.6t
4.8t	-	1	108	<12t	6×4	525	14.2t	3.6t

Remark: a 32t hook can be carried on the chassis frame at 12t axle load.

Transport Dimensions

Unit:mm



60t hook block

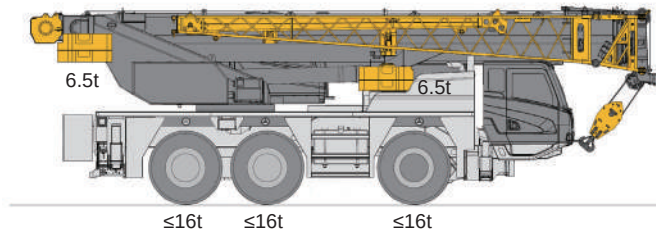
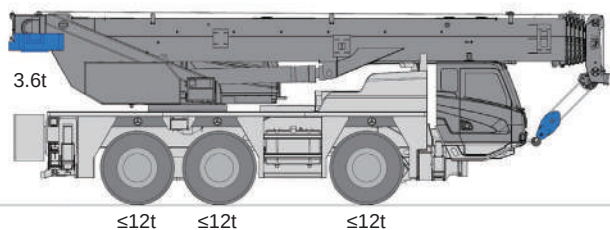
48.9t hook block

32t hook block

14.2t hook block

4.8t hook block

Short distance transfer with CW(385# tires)



Crane Introduction

Carrier



Carrier frame

- Box-type welded structure using high strength steel plate, higher bearing capacity.



Engine

- BENZ OM470LA.E3A-3, in-line six-cylinder diesel engine with watercooler and inter cooler, complying with Euro III emission standard.
- Fuel reservoir capacity: 450L.



Transmission

- Allison auto-transmission, 12 forward gears and 2 reverse gears, large speed ratio range, high torque output.



Axle

- All wheel steering. Planetary transmission with differential lock. Driven by axles 2 and 3 (standard equipment).
- Axle 1 steered mechanically with hydraulic booster, axles 2 and 3 steered hydraulically. Easier and better maneuverability.



Suspension

- Hydro-pneumatic suspension with hydraulic lock, range $\pm 100\text{mm}$ in height. Smooth driving, anti-tipping.



Tire

- Size 385/95R25 (standard equipment), radial vacuum tires.



Braking

- All-wheel air brakes. Dual circuit disc service brake via pedal, parking brake via joystick, exhaust brake available for prolonged life of brakes.



Outrigger

- H-type layout, with hydraulic cylinder, auto-levelling.



Control system

- CAN-BUS communication, 24V DC, two battery sets (180Ah each), manual power-switch.
- Low energy cost (5w) integrated display system, LCD screen.

Superstructure



Operator's cab

- Corrosion resistant bodywork of ergonomic design including softened interior trim and adjustable seat.



Boom system

- U-shape welded structure using high strength steel, single cylinder pin mechanism. 2-stage folding jib offset at $0^\circ, 20^\circ, 40^\circ$.



Slewing

- Slewing platform designed by SANY, 360° slewing. Electro-proportional closed type hydraulics for smooth operation and better inching motion performance.



Hydraulics

- DANFOSS PVG main valve, higher efficiency for single motion and better maneuverability for combined motions.
- Auto adjustable oil pump with higher power use ratio and less energy cost. Variable plunger pump featuring load sensing and constant power control.



Hoist

- Main and auxiliary winches are 15mm in diameter and 220m in length.



Luffing

- Passive luffing down with dynamic compensation. Boom angle: $-2^\circ \sim 82^\circ$.



Safety equipment

- Self-developed LMI.
- Hydraulic balance valve, relief valve.
- Three-circle winch protector, height limit switch.
- Anemometer at boom tip.



Counterweight

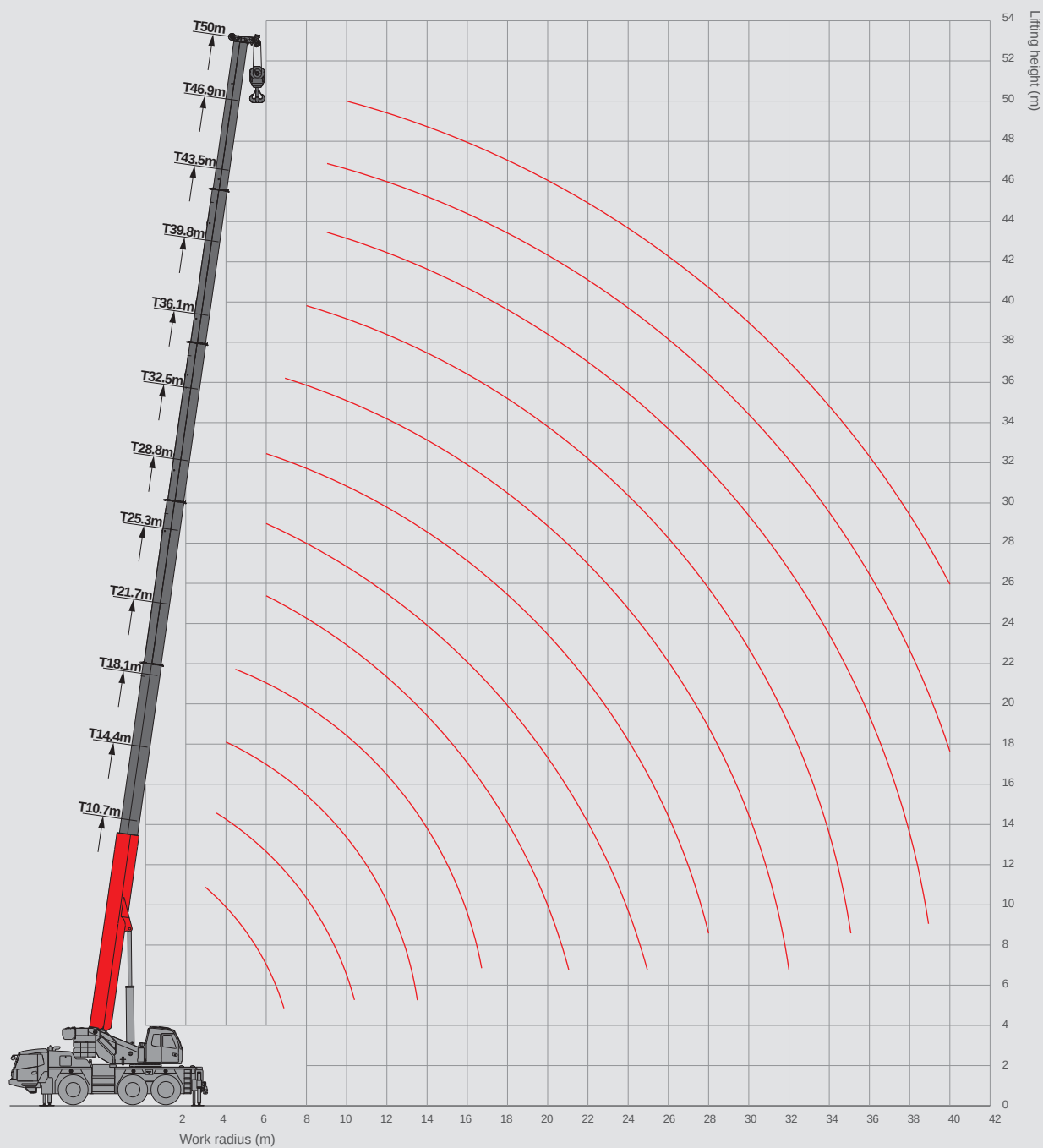
- Fixed unit 3.3t, removable units 9.7t.



Optional equipment at extra fees

- 60t and 48.9t capacity hook blocks.
- Auxiliary winch.
- 6×6 drive mode.
- Tires size 445 and 525.
- Hydraulically adjustable swing-away jib.
- Customized painting.
- Other equipment available upon request.

Operating Range - Telescopic Boom



Load Chart-Telescopic Boom



Unit: metric ton

Radius (m)	10.7*	10.7	14.4	18.0	21.7	25.3	28.8	32.4	36.1	39.7	43.3	46.8	50	Radius (m)
3	60	47.1												3
3.5	50	43.6	41.7											3.5
4	46.7	40.4	38.7	37.7										4
4.5	42.3	37.7	36.1	35.2	34.2									4.5
5	37	35.2	33.9	33	32									5
6	30	28.8	28.7	29.2	28.4	27.9	24.9	20.2						6
7	25	22.3	23	23.3	22.3	23.7	23.4	18.2	15.9					7
8			18.6	18.9	19.2	19.3	19	16.5	15.5	12.7				8
9			15.4	15.8	16.2	16.1	15.8	15	14.6	12.5	10.2	7.8		9
10			13.1	13.5	13.9	13.8	13.5	13.8	13.1	12.1	10	7.8	6.4	10
11			10.7	12	12	12	12.1	12	12.2	11.4	9.7	7.7	6.4	11
12				10.5	10.6	10.4	10.8	10.7	10.7	10	9.2	7.5	6.4	12
13				9.3	9.4	9.3	9.5	9.7	9.5	9.2	8.9	7.2	6.4	13
14				8.3	8.4	8.2	8.6	8.7	8.5	8.4	8	7	6.2	14
15					7.5	7.3	7.6	7.8	7.6	7.6	7.5	6.8	6.1	15
16					6.7	6.5	6.9	7	7	6.9	6.7	6.5	6	16
17					6	6.1	6.3	6.4	6.4	6.3	6	5.8	5.8	17
18					5.5	5.7	5.7	5.8	5.8	5.6	5.5	5.2	5.3	18
19						5.3	5.2	5.3	5.3	5.2	5	4.8	4.8	19
20						4.9	4.7	4.9	4.9	4.7	4.6	4.4	4.4	20
21						4.5	4.3	4.4	4.5	4.3	4.2	3.9	4	21
22							4	4.1	4.1	3.9	3.8	3.6	3.6	22
23							3.8	3.8	3.8	3.6	3.5	3.2	3.3	23
24							3.6	3.5	3.5	3.3	3.2	3	3	24
25							3.4	3.3	3.3	3.1	2.9	2.7	2.8	25
26								3	3	2.8	2.7	2.5	2.5	26
27								2.8	2.8	2.6	2.5	2.3	2.3	27
28									2.6	2.4	2.3	2.1	2.1	28
29									2.4	2.2	2.1	1.8	1.9	29
30									2.2	2.1	1.9	1.7	1.7	30
31									2.1	1.9	1.8	1.6	1.6	31
32									1.9	1.8	1.6	1.4	1.4	32
33										1.6	1.5	1.3	1.3	33
34										1.5	1.4	1.2	1.2	34
35										1.4	1.2	1	1	35
36											1.1	0.9	0.9	36
37											1	0.8	0.8	37
38											0.9	0.7	0.7	38
39											0.8			39

Remark: rating with * indicates load over rear.

Load Chart-Telescopic Boom



Unit: metric ton

Radius (m)	10.7	14.4	18.0	21.7	25.3	28.8	32.4	36.1	39.7	43.3	46.8	50	Radius (m)
3	47.1												3
3.5	43.6	41.7											3.5
4	40.4	38.7	37.7										4
4.5	37.7	36.1	35.2	34.2									4.5
5	34.9	33.9	33	32									5
6	25.2	25.2	26.3	25.5	25.9	24.9	20.2						6
7	19.4	20.1	20.4	21	20.8	20.5	18.2	15.9					7
8		16.2	17	17.1	16.9	16.6	16.2	15.5	12.7				8
9		13.4	14.1	14.3	14.1	14.4	14.1	13.7	12.5	10.2	7.8		9
10		11.3	12	12.2	12	12.3	12.5	12.2	11.5	10	7.8	6.4	10
11		9.9	10.3	10.4	10.3	10.6	10.8	10.5	10.2	9.7	7.7	6.4	11
12			8.9	9	9.1	9.2	9.4	9.4	9.1	8.7	7.5	6.4	12
13			7.8	7.8	8.1	8.1	8.2	8.3	8	7.9	7.2	6.4	13
14			6.8	7	7.3	7.1	7.3	7.3	7.1	7	6.7	6.2	14
15				6.1	6.5	6.4	6.5	6.5	6.4	6.1	5.9	5.9	15
16				5.5	5.9	5.9	5.9	5.8	5.7	5.5	5.3	5.3	16
17				4.9	5.3	5.4	5.3	5.3	5.1	5	4.7	4.7	17
18				4.4	4.7	4.9	4.8	4.8	4.6	4.5	4.2	4.2	18
19					4.3	4.5	4.4	4.3	4.2	4	3.8	3.8	19
20					3.9	4.1	3.9	3.9	3.8	3.7	3.4	3.4	20
21					3.6	3.7	3.6	3.6	3.4	3.3	3	3.1	21
22						3.4	3.3	3.3	3.1	3	2.7	2.7	22
23						3.2	3.1	3	2.8	2.7	2.5	2.5	23
24						2.9	2.8	2.7	2.6	2.5	2.3	2.3	24
25						2.6	2.6	2.5	2.4	2.3	2	2.1	25
26							2.3	2.3	2.2	2	1.8	1.8	26
27							2.2	2.1	2	1.8	1.6	1.6	27
28								1.9	1.7	1.6	1.4	1.4	28
29								1.8	1.6	1.5	1.3	1.3	29
30								1.6	1.5	1.3	1.1	1.1	30
31								1.5	1.3	1.2	1	1	31
32								1.4	1.2	1.1	0.9	0.9	32
33									1.1	1	0.8	0.8	33
34									1	0.8	0.7	0.7	34
35									0.8	0.7			35

Load Chart-Telescopic Boom



Unit: metric ton

Radius (m)	10.7	14.4	18.0	21.7	25.3	28.8	32.4	36.1	39.7	43.3	46.8	50	Radius (m)
3	47.1												3
3.5	43.6	41.7											3.5
4	40.4	38.7	37.7										4
4.5	37.7	36.1	35.2	34.2									4.5
5	30.8	31.7	32	30.9									5
6	22.2	22.9	23.2	23.9	23.8	22.9	20.2						6
7	17	17.7	18.5	18.6	18.4	18.1	17.6	15.9					7
8		14.4	14.9	15	14.9	15.3	14.9	14.6	12.7				8
9		11.7	12.3	12.4	12.5	12.6	12.8	12.4	11.6	10.2	7.8		9
10		9.7	10.2	10.3	10.7	10.5	10.7	10.7	10.1	9.8	7.8	6.4	10
11		8.2	8.6	8.8	9.2	9	9.2	9.2	8.8	8.8	7.7	6.4	11
12			7.5	7.5	7.9	8.1	7.8	7.9	7.7	7.5	7.2	6.4	12
13			6.5	6.5	6.9	7.1	7	6.9	6.7	6.5	6.2	6.3	13
14			5.6	5.7	6.2	6.2	6.2	6.1	5.9	5.7	5.5	5.5	14
15				5	5.5	5.5	5.5	5.4	5.2	5.1	4.8	4.8	15
16				4.8	4.9	5	4.8	4.8	4.7	4.5	4.2	4.3	16
17				4.3	4.3	4.5	4.4	4.3	4.2	4	3.8	3.8	17
18				3.8	4	4	3.9	3.9	3.7	3.5	3.3	3.3	18
19					3.5	3.6	3.5	3.5	3.3	3.2	2.9	2.9	19
20					3.2	3.3	3.2	3.2	3	2.8	2.6	2.6	20
21					2.9	3	2.9	2.8	2.6	2.5	2.3	2.3	21
22						2.7	2.6	2.6	2.4	2.3	2	2.1	22
23						2.5	2.4	2.3	2.2	2	1.8	1.8	23
24						2.2	2.2	2.1	2	1.8	1.6	1.6	24
25						2.1	2	1.9	1.7	1.6	1.4	1.4	25
26							1.8	1.7	1.6	1.4	1.2	1.2	26
27							1.6	1.5	1.4	1.3	1.1	1	27
28								1.4	1.2	1.1	0.9	0.9	28
29								1.2	1.1	0.9	0.7	0.8	29
30								1.1	1	0.9		0.7	30
31								1	0.9	0.7			31
32								0.9	0.7				32

Load Chart-Telescopic Boom



Unit: metric ton

Radius (m)	10.7	14.4	18.0	21.7	25.3	28.8	32.4	36.1	39.7	43.3	46.8	50	Radius (m)
3	47.1												3
3.5	43.6	41.7											3.5
4	40.4	38.7	37.7										4
4.5	33.1	34	34.3	31.5									4.5
5	26.9	27.7	28.1	28.4									5
6	19.2	20	20.3	20.9	20.8	20.1	18.5						6
7	14.3	15.5	16.1	16.2	16	16.5	16.1	15.5					7
8		12	12.5	12.7	13.2	13	13.1	12.8	12.4				8
9		9.6	10.1	10.2	10.7	10.8	10.6	10.7	10.4	9.8	7.8		9
10		7.9	8.4	8.5	8.9	9.1	8.9	8.9	8.7	8.5	7.8	6.4	10
11		6.6	7	7.5	7.5	7.6	7.6	7.5	7.3	7.1	6.9	6.4	11
12			6	6.5	6.6	6.7	6.5	6.4	6.3	6.1	5.8	5.8	12
13			5.2	5.6	5.7	5.8	5.6	5.6	5.4	5.3	5	5	13
14			4.5	4.9	5	5.1	5	4.9	4.7	4.5	4.3	4.3	14
15				4.3	4.4	4.5	4.4	4.3	4.1	4	3.7	3.7	15
16				3.8	3.8	4	3.9	3.8	3.6	3.5	3.2	3.3	16
17				3.4	3.4	3.5	3.4	3.4	3.2	3	2.8	2.8	17
18				3	3	3.1	3	3	2.8	2.6	2.4	2.5	18
19					2.7	2.8	2.7	2.7	2.5	2.3	2.1	2.2	19
20					2.4	2.5	2.4	2.4	2.2	2.1	1.8	1.8	20
21					2.2	2.2	2.2	2.1	1.9	1.8	1.6	1.6	21
22						2	1.9	1.9	1.7	1.5	1.3	1.4	22
23						1.8	1.7	1.6	1.5	1.4	1.1	1.2	23
24						1.6	1.5	1.5	1.3	1.2	1	1	24
25						1.4	1.4	1.3	1.1	1	0.8	0.8	25
26							1.2	1.2	1	0.8	0.7	0.7	26
27							1	1	0.9	0.7			27
28								0.9	0.7				28
29								0.7					29

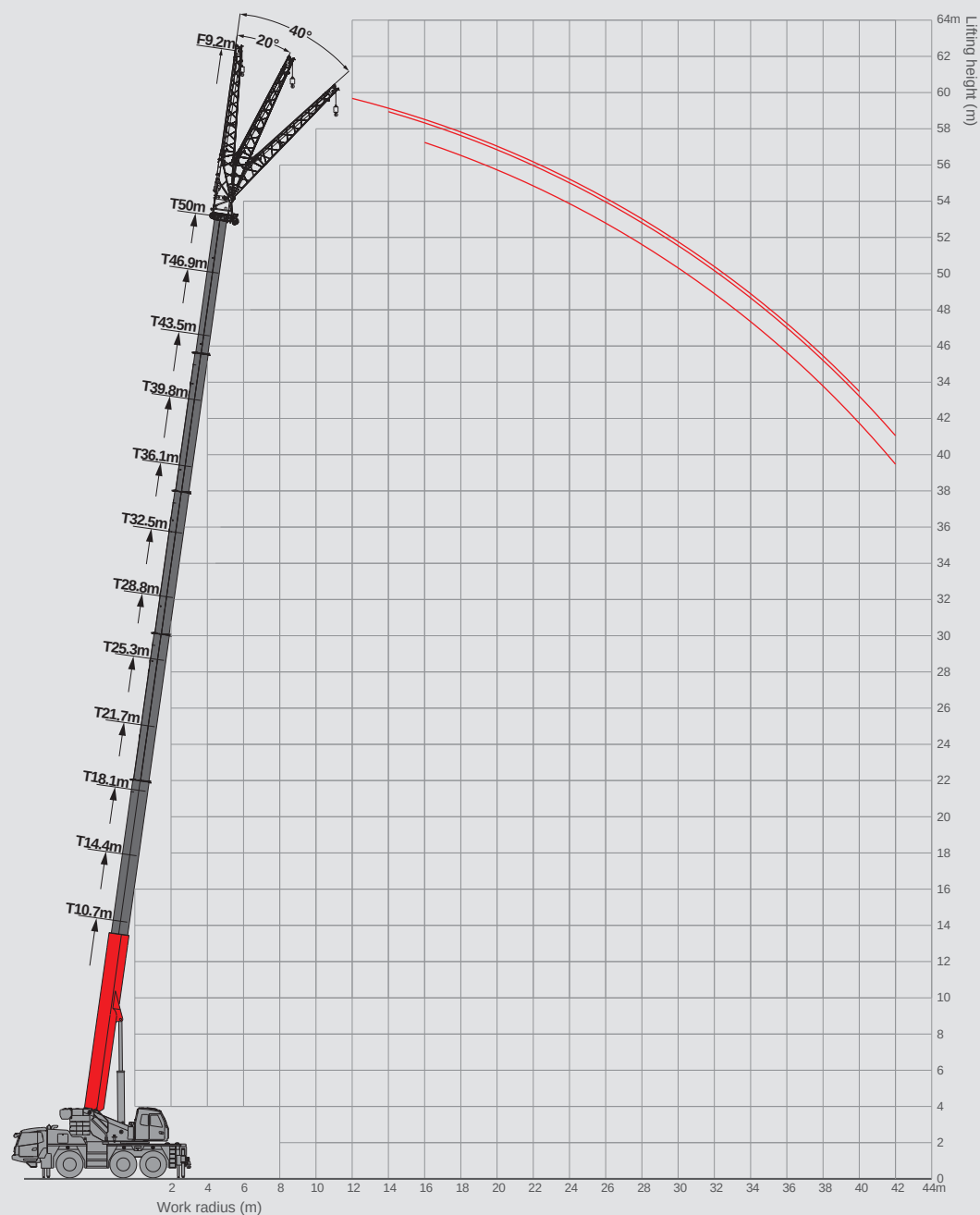
Load Chart-Telescopic Boom



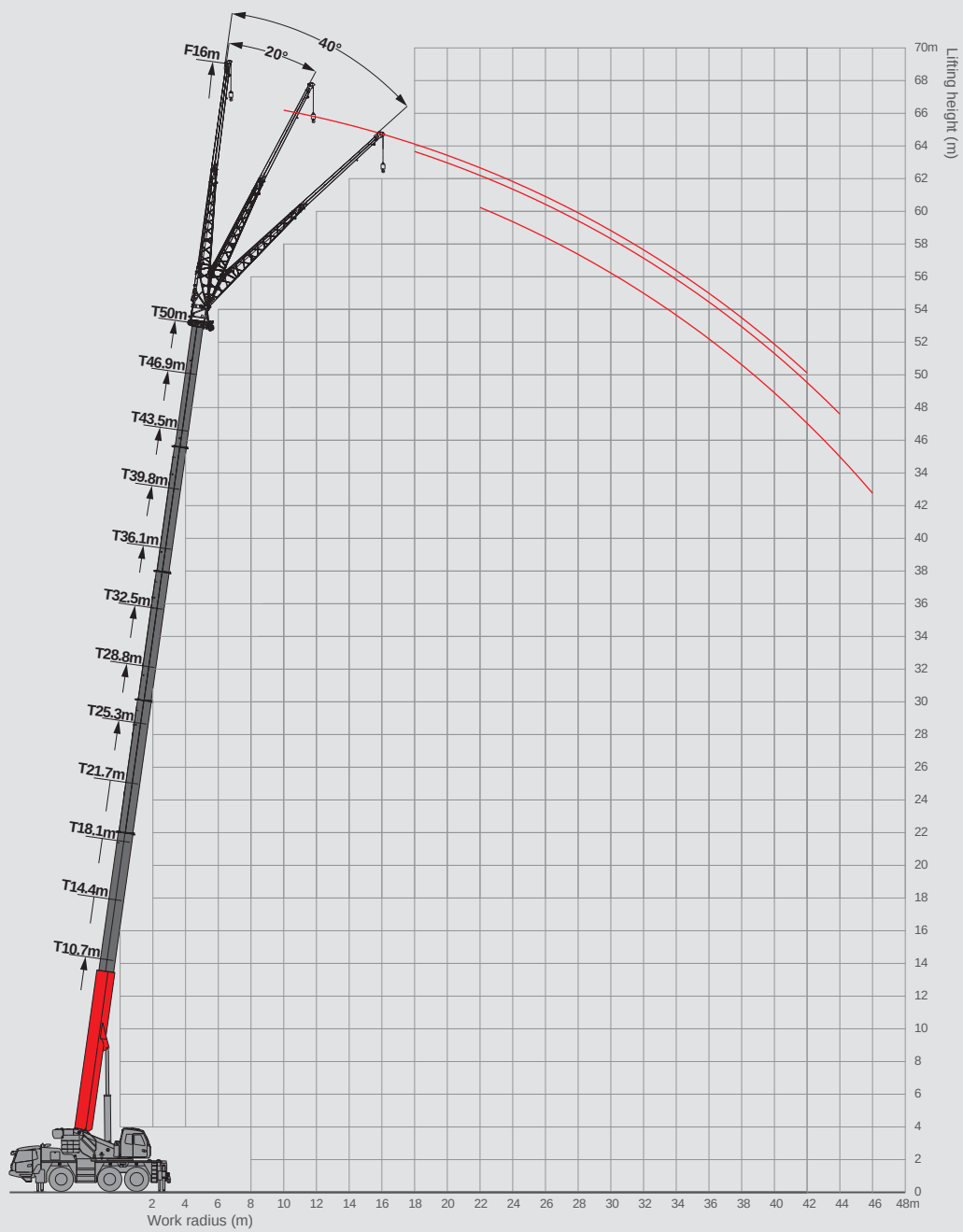
Unit: metric ton

Radius (m)	10.7	14.4	18.0	21.7	25.3	28.8	32.4	36.1	39.7	43.3	46.8	50	Radius (m)
3	47.1												3
3.5	43.6	41.7											3.5
4	40.4	38.7	37.7										4
4.5	32.6	33.5	33.9	31									4.5
5	26.4	27.3	27.7	28.4									5
6	18.9	19.6	20	20.6	20.5	19.8	18.3						6
7	14	15.2	15.8	15.9	15.8	16.2	15.8	15.5					7
8		11.8	12.3	12.4	12.9	12.7	12.8	12.8	12.1				8
9		9.4	9.9	10	10.5	10.6	10.4	10.4	10.2	9.8	7.8		9
10		7.7	8.2	8.3	8.8	8.9	8.8	8.7	8.5	8.3	7.8	6.4	10
11		6.4	6.9	7.3	7.4	7.5	7.4	7.4	7.1	7	6.7	6.4	11
12			5.9	6.3	6.4	6.5	6.3	6.3	6.1	5.9	5.7	5.7	12
13			5	5.5	5.6	5.6	5.5	5.5	5.3	5.1	4.9	4.9	13
14			4.4	4.8	4.9	4.9	4.8	4.8	4.6	4.4	4.2	4.2	14
15				4.2	4.2	4.3	4.2	4.2	4	3.9	3.6	3.7	15
16				3.7	3.8	3.8	3.7	3.7	3.5	3.3	3.1	3.1	16
17				3.2	3.4	3.4	3.4	3.3	3.1	2.9	2.7	2.7	17
18				2.9	3	3	2.9	2.9	2.7	2.6	2.4	2.4	18
19					2.7	2.7	2.7	2.5	2.4	2.3	2	2	19
20					2.4	2.4	2.3	2.3	2.1	2	1.8	1.7	20
21					2.1	2.2	2.1	2	1.9	1.7	1.5	1.5	21
22						1.9	1.9	1.8	1.6	1.5	1.3	1.3	22
23						1.8	1.6	1.6	1.4	1.3	1.1	1.1	23
24						1.5	1.5	1.4	1.3	1.1	0.9	0.9	24
25						1.4	1.3	1.2	1.1	0.9	0.7	0.8	25
26							1.2	1.1	0.9	0.8			26
27							1	1	0.8	0.7			27
28								0.8	0.7				28
29								0.7					29

Operating Range - Fixed Jib



Operating Range - Fixed Jib



Load Chart - Fixed Jib



Unit: metric ton

Radius (m)	43.5			46.9			50			Radius (m)
	9.2			9.2			9.2			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	5.3									8
9	5.3									9
10	5.3									10
12	5.3	5		3.9	4		3.4			12
14	5.2	4.8	4.5	3.9	3.9		3.4	3.4		14
16	5	4.7	4.3	3.8	3.8	3.6	3.4	3.4	3.3	16
18	4.8	4.5	4.2	3.7	3.6	3.5	3.3	3.3	3.2	18
20	4.5	4.2	4.1	3.6	3.5	3.3	3.2	3.2	3.1	20
22	3.9	4	3.9	3.4	3.4	3.2	3.1	3	3	22
24	3.3	3.6	3.7	3.1	3.2	3.1	2.9	2.9	2.9	24
26	2.8	3.1	3.2	2.6	2.8	3	2.6	2.8	2.8	26
28	2.4	2.6	2.8	2.2	2.4	2.6	2.2	2.4	2.6	28
30	2.1	2.3	2.4	1.8	2	2.2	1.8	1.9	2.2	30
32	1.7	1.9	1.9	1.5	1.7	1.8	1.5	1.7	1.8	32
34	1.4	1.6	1.7	1.2	1.4	1.5	1.2	1.4	1.5	34
36	1.2	1.3	1.4	1	1.1	1.3	1	1.1	1.3	36
38	1	1.2		0.8	1	1	0.8	0.9	1	38
40	0.8	0.9			0.7	0.8		0.7	0.8	40
42	0.7	0.8								42
44										44
46										46

Radius (m)	39.8			43.5			46.9			50			Radius (m)
	16			16			16			16			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	3.5			3									8
9	3.4			3			2.6						9
10	3.4			3			2.6			2.3			10
12	3.3			3			2.6			2.3			12
14	3.2	2.8		2.9	2.7		2.6			2.3			14
16	3.2	2.8		2.9	2.6		2.5	2.4		2.2			16
18	3.1	2.7	2.3	2.8	2.5		2.5	2.3		2.2	2.2		18
20	3	2.6	2.3	2.7	2.5	2.2	2.5	2.3	2.1	2.2	2.2		20
22	2.9	2.5	2.2	2.7	2.4	2.2	2.4	2.2	2.1	2.2	2.1	2	22
24	2.8	2.4	2.2	2.6	2.3	2.2	2.4	2.2	2.1	2.1	2.1	2	24
26	2.6	2.4	2.2	2.5	2.3	2.1	2.3	2.2	2.1	2.1	2.1	2	26
28	2.2	2.3	2.1	2.5	2.2	2.1	2.3	2.1	2.1	2.1	2	2	28
30	1.8	2.2	2.1	2.2	2.2	2.1	2	2.1	2	1.9	2	2	30
32	1.5	1.8	2.1	1.8	2.2	2.1	1.6	2	2	1.6	1.9	1.9	32
34	1.3	1.6	1.7	1.6	1.8	2.1	1.4	1.7	1.9	1.4	1.6	1.9	34
36	1	1.3	1.5	1.3	1.6	1.7	1.1	1.4	1.6	1.1	1.4	1.6	36
38	0.8	1	1.2	1.2	1.4	1.5	1	1.2	1.4	0.9	1.2	1.4	38
40		0.8	1	1	1.1	1.3	0.7	1	1.1	0.7	1	1.1	40
42		0.7		0.8	0.9	1.1		0.8	0.9		0.8	0.9	42
44					0.8	0.9			0.7			0.7	44
46						0.7							46

Load Chart - Fixed Jib



Unit: metric ton

Radius (m)	43.5			46.9			50			Radius (m)
	9.2			9.2			9.2			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	5.3									8
9	5.3									9
10	5.3									10
12	5.3	5		3.9	4		3.4			12
14	5.2	4.8	4.5	3.9	3.9		3.4	3.4		14
16	5	4.7	4.3	3.8	3.8	3.6	3.4	3.4	3.3	16
18	4.6	4.5	4.2	3.7	3.6	3.5	3.3	3.3	3.2	18
20	3.7	4.1	4.1	3.5	3.5	3.3	3.2	3.2	3.1	20
22	3.1	3.4	3.6	2.9	3.2	3.2	2.9	3	3	22
24	2.6	2.8	3	2.3	2.6	2.9	2.3	2.6	2.9	24
26	2.1	2.3	2.5	1.8	2.2	2.3	1.9	2.1	2.3	26
28	1.8	1.9	2.1	1.5	1.7	2	1.5	1.8	1.9	28
30	1.5	1.7	1.8	1.2	1.4	1.6	1.2	1.4	1.6	30
32	1.2	1.3	1.4	1	1.1	1.3	0.9	1.2	1.3	32
34	0.9	1.1	1.2	0.7	0.9	1	0.7	0.9	1	34
36	0.8	0.9	1		0.7	0.8		0.7	0.8	36
38		0.7								38
40										40
42										42

Radius (m)	39.8			43.5			46.9			50			Radius (m)
	16			16			16			16			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	3.5			3									8
9	3.4			3			2.6						9
10	3.4			3			2.6			2.3			10
12	3.3			3			2.6			2.3			12
14	3.2	2.8		2.9	2.7		2.6			2.3			14
16	3.2	2.8		2.9	2.6		2.5	2.4		2.2			16
18	3.1	2.7	2.3	2.8	2.5		2.5	2.3		2.2	2.2		18
20	3	2.6	2.3	2.7	2.5	2.2	2.5	2.3	2.1	2.2	2.2		20
22	2.9	2.5	2.2	2.7	2.4	2.2	2.4	2.2	2.1	2.2	2.1	2	22
24	2.3	2.4	2.2	2.6	2.3	2.2	2.4	2.2	2.1	2.1	2.1	2	24
26	1.9	2.4	2.2	2.3	2.3	2.1	2.1	2.2	2.1	2	2.1	2	26
28	1.6	2	2.1	1.9	2.2	2.1	1.7	2.1	2.1	1.6	2	2	28
30	1.2	1.6	1.9	1.6	1.9	2.1	1.4	1.7	2	1.3	1.7	2	30
32	1	1.3	1.6	1.3	1.6	1.9	1.1	1.4	1.7	1.1	1.4	1.7	32
34	0.7	1.1	1.3	1.1	1.3	1.5	0.9	1.2	1.4	0.9	1.2	1.4	34
36		0.8	1	0.9	1.1	1.3	0.7	0.9	1.1		0.9	1.2	36
38			0.7	0.7	0.9	1.1		0.7	0.9		0.7	0.9	38
40					0.7	0.9			0.7			0.7	40
42						0.7							42

Load Chart - Fixed Jib



Unit: metric ton

Radius (m)	43.5			46.9			50			Radius (m)
	9.2			9.2			9.2			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	5.3									8
9	5.3									9
10	5.3									10
12	5.3	5		3.9	4		3.4			12
14	5.2	4.8	4.5	3.9	3.9		3.4	3.4		14
16	4.6	4.7	4.3	3.8	3.8	3.6	3.4	3.4	3.3	16
18	3.6	4	4.2	3.4	3.6	3.5	3.3	3.3	3.2	18
20	2.9	3.3	3.5	2.7	3	3.3	2.7	3	3.1	20
22	2.4	2.7	2.9	2.1	2.4	2.7	2.1	2.4	2.7	22
24	1.9	2.2	2.4	1.7	2	2.2	1.6	1.9	2.2	24
26	1.6	1.7	1.9	1.3	1.5	1.7	1.3	1.6	1.8	26
28	1.2	1.4	1.6	1	1.2	1.4	1	1.2	1.4	28
30	1	1.1	1.3	0.7	1	1.1	0.7	0.9	1.1	30
32	0.7	0.9	1		0.7	0.8		0.7	0.8	32
34		0.7	0.8							34
36										36
38										38

Radius (m)	39.8			43.5			46.9			50			Radius (m)
	16			16			16			16			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	3.5			3									8
9	3.4			3			2.6						9
10	3.4			3			2.6			2.3			10
12	3.3			3			2.6			2.3			12
14	3.2	2.8		2.9	2.7		2.6			2.3			14
16	3.2	2.8		2.9	2.6		2.5	2.4		2.2			16
18	3.1	2.7	2.3	2.8	2.5		2.5	2.3		2.2	2.2		18
20	2.7	2.6	2.3	2.7	2.5	2.2	2.5	2.3	2.1	2.2	2.2		20
22	2.2	2.5	2.2	2.6	2.4	2.2	2.3	2.2	2.1	2.2	2.1	2	22
24	1.7	2.2	2.2	2.1	2.3	2.2	1.8	2.2	2.1	1.8	2.1	2	24
26	1.3	1.8	2.1	1.7	2.1	2.1	1.5	1.9	2.1	1.4	1.9	2	26
28	1	1.4	1.7	1.4	1.7	2	1.2	1.5	1.8	1.1	1.5	1.9	28
30	0.8	1.1	1.4	1.1	1.4	1.7	0.9	1.2	1.5	0.8	1.2	1.5	30
32		0.8	1.1	0.8	1.1	1.4		1	1.2		0.9	1.2	32
34			0.8		0.9	1.1		0.7	1		0.7	1	34
36					0.7	0.9			0.8			0.7	36
38						0.7							38

Load Chart - Fixed Jib



Unit: metric ton

Radius (m)	43.5			46.9			50			Radius (m)
	9.2			9.2			9.2			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	5.3									8
9	5.3									9
10	5.3									10
12	5.3	5		3.9	4		3.4			12
14	4.7	4.8	4.5	3.9	3.9		3.4	3.4		14
16	3.5	4	4.3	3.3	3.8	3.6	3.3	3.4	3.3	16
18	2.8	3.1	3.5	2.5	2.9	3.3	2.5	2.9	3.2	18
20	2.2	2.5	2.8	1.9	2.3	2.6	1.9	2.3	2.6	20
22	1.7	2	2.2	1.4	1.7	2	1.4	1.8	2	22
24	1.3	1.6	1.7	1.1	1.4	1.6	1.1	1.3	1.5	24
26	1	1.2	1.4	0.8	1	1.2	0.7	1	1.2	26
28	0.7	0.9	1.1		0.7	0.9		0.7	0.9	28
30			0.8							30
32										32
34										34

Radius (m)	39.8			43.5			46.9			50			Radius (m)
	16			16			16			16			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	3.5			3									8
9	3.4			3			2.6						9
10	3.4			3			2.6			2.3			10
12	3.3			3			2.6			2.3			12
14	3.2	2.8		2.9	2.7		2.6			2.3			14
16	3.2	2.8		2.9	2.6		2.5	2.4		2.2			16
18	2.6	2.7	2.3	2.8	2.5		2.5	2.3		2.2	2.2		18
20	1.9	2.6	2.3	2.3	2.5	2.2	2.1	2.3	2.1	2.1	2.2		20
22	1.5	2	2.2	1.8	2.4	2.2	1.6	2.2	2.1	1.6	2.1	2	22
24	1.1	1.6	2	1.4	1.9	2.2	1.2	1.7	2.1	1.2	1.6	2	24
26	0.8	1.2	1.6	1.1	1.5	1.9	0.9	1.3	1.7	0.9	1.3	1.7	26
28		0.9	1.2	0.8	1.2	1.5		1	1.4		1	1.3	28
30			0.9		0.9	1.2		0.8	1.1		0.7	1	30
32			0.7		0.7	0.9			0.8			0.8	32
34						0.7							34

Load Chart - Fixed Jib



Unit: metric ton

Radius (m)	43.5			46.9			50			Radius (m)
	9.2			9.2			9.2			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	5.3									8
9	5.3									9
10	5.3									10
12	5.3	5		3.9	4		3.4			12
14	4.5	4.8	4.5	3.9	3.9		3.4	3.4		14
16	3.4	3.9	4.3	3.2	3.7	3.6	3.2	3.4	3.3	16
18	2.7	3.1	3.4	2.5	2.9	3.2	2.4	2.8	3.2	18
20	2.1	2.4	2.7	1.8	2.2	2.5	1.8	2.2	2.5	20
22	1.6	1.9	2.1	1.4	1.7	2	1.3	1.6	1.9	22
24	1.2	1.5	1.7	1	1.3	1.5	1	1.3	1.5	24
26	0.8	1.1	1.3	0.7	1	1.1	0.7	0.9	1.2	26
28	0.7	0.8	1			0.8		0.7	0.8	28
30			0.7							30
32										32
34										34

Radius (m)	39.8			43.5			46.9			50			Radius (m)
	16			16			16			16			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
8	3.5			3									8
9	3.4			3			2.6						9
10	3.4			3			2.6			2.3			10
12	3.3			3			2.6			2.3			12
14	3.2	2.8		2.9	2.7		2.6			2.3			14
16	3.2	2.8		2.9	2.6		2.5	2.4		2.2			16
18	2.5	2.7	2.3	2.8	2.5		2.5	2.3		2.2	2.2		18
20	1.8	2.5	2.3	2.3	2.5	2.2	2	2.3	2.1	2	2.2		20
22	1.4	2	2.2	1.7	2.3	2.2	1.5	2.1	2.1	1.5	2.1	2	22
24	1	1.6	2	1.4	1.9	2.2	1.2	1.7	2.1	1.1	1.6	2	24
26	0.7	1.1	1.5	1	1.5	1.7	0.8	1.3	1.7	0.8	1.3	1.6	26
28		0.8	1.1	0.8	1.1	1.5		1	1.3		1	1.3	28
30			0.9		0.9	1.1		0.7	1		0.7	1	30
32					0.7	0.9			0.7			0.7	32
34						0.7							34



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