



SAC1000

**SANY All Terrain Crane
100 Tons Lifting Capacity**

Quality Changes the World



Outstanding Lifting Capacity

- 7 sections boom, with max. boom length of 63m and jib length of 33.5m;
- Max. lifting torque: 4320kN·m.

Efficient Power System

- Highly reliable with low fuel consumption and easy maintenance. single-engine power system is adopted, providing power for superstructure through mechanical transmission.

Mobile and Flexible Carrier

- Total crane width of 2.8m, 5-axle all terrain carrier. The carrier is mobile and flexible with good traveling passing performance.

Safe Control System

- Comprehensive intelligent control system and fault diagnosis system monitor and feed back data in real-time.

Energy-saving Hydraulic System

- Dual pump converging / diverging intelligent speed regulation technology is adopted. With graded control of speed and electric proportional pump displacement, it saves energy up to 20%.



Efficient Power System

- ▣ The crane shares a dual power engine, with the energy saving enhancement of more than 10%, and the maintenance cost decrease of more than 35%;
- ▣ The carrier power is transmitted mechanically to superstructure. The structure is simple, safe and reliable, with low fault rate;
- ▣ Single-engine power system is adopted for weight reduction of the superstructure power system and enhancement of the load-bearing components, increasing crane lifting performance by 20%.



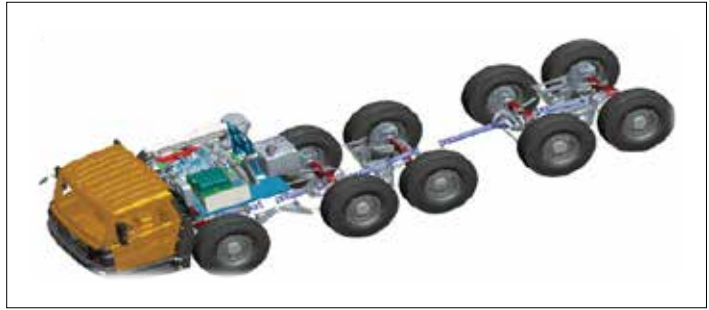
Excellent lifting performance

- ▣ 7-section telescoping boom with single cylinder pin. The total boom length is 63m, and jib length is 33.5m;
- ▣ Maximum lifting height is 92.5m and maximum working radius is 70m, ensuring a wider working range;
- ▣ Maximum lifting torque of basic boom is 4320KN.m, featuring superior lifting and loading performance.



Mobile and flexible carrier

- ▣ The crane is 14m long and 2.8m wide, with strong adaptability to construction site;
- ▣ 5-axe all-wheel steering and 8.5m minimum turning radius, ensuring flexible movement of the crane;
- ▣ With a powerful carrier, the maximum travel speed is 90km/h, and the maximum gradient can reach up to 60%;
- ▣ When travelling in the state of 60T, it can carry counterweight or parts to up 10T. Full counterweights could be carried for short-distance movement.

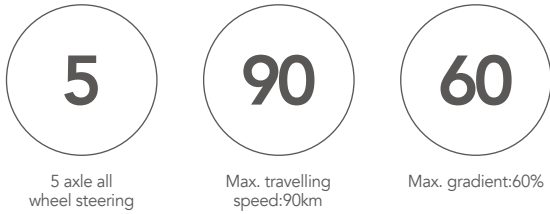


Safe control system

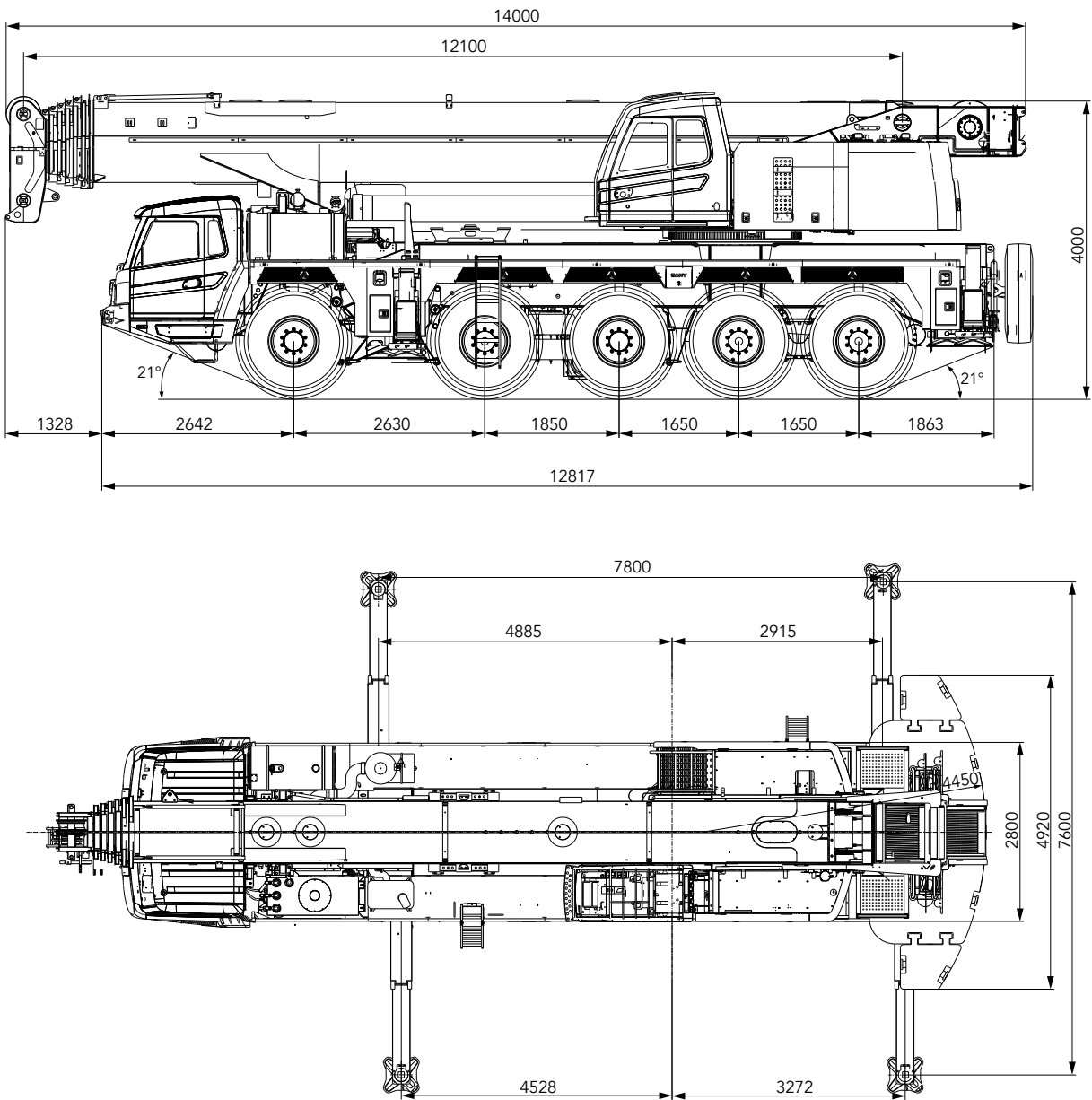
- ▣ Equipped with an anti-tipping warning system, advance warning is issued through sound and light notice to ensure the safety of crane;
- ▣ Equipped with a voice alarm system, voice notices are issued for various movement to prevent mis-operation and ensure safety of personnel and operation;
- ▣ High-accuracy, high-stability, high-intelligence load moment limiter system is adopted for full protection of lifting and loading operation;
- ▣ The abundant sensors give timely feedback of data information and realize real-time monitoring.

Energy-saving hydraulic system

- ▣ The application of electrically controlled variable displacement pump, displacement and speed grade control technology increase working efficiency by 15%, while saving energy by 20%;
- ▣ With dual pump converging / diverging intelligent speed regulation technology, the dual pump supplies oil independently for compound movements, which ensures the stability and reliability of the movements with better micro-mobility. The various diverging distribution mode makes work freer and easier;
- ▣ The dual protection of winching, luffing, telescoping on the hydraulic circuit makes operation safer and more reliable.



Overall Dimensions



Technical Parameters

Type	Item		Unit	Value
Dimensions	Total length of crane		mm	14000
	Total width of crane		mm	2800
	Total height of crane		mm	4000
Weight	Total weight of crane		kg	5000
	Axle load	Load of axle 1, axle 2	kg	20000
		Load of axle 3, axle 4, axle 5	kg	30000
Power	Max. engine power		Kw/rpm	350/1800
	Max. engine output torque		N.m/rpm	2300/1080
Travel	Max. travel speed		Km/h	90
	Min. turning radius		m	8.5
	Min. ground clearance		mm	300
	Approach angle		°	21
	Departure angle		°	21
	Braking distance (at 30km/h)		m	10
	Max. gradient		%	60
Performance specifications	Max. total rated lifting load		t	100
	Min. rated radius		m	3
	Max.turntable swing radius		m	4450
	Max. Lifting torque	Min. boom length	kN.m	4320
		Max. boom length	kN.m	1852
		Max. boom length + jib	kN.m	1320
	Transverse outrigger span		m	7.6
	Lifting height	Min. boom length	m	12.6
		Max. boom length	m	63.5
		Max. boom length + jib	m	79
		Max. boom + jib + optional standard section	m	92.5
	Boom length	Min. boom length	m	12.1
		Max. boom length	m	63
		Max. boom length + jib	m	78.5
		Max. boom + jib + optional standard section	m	92.5
Working speed	Jib offset angle		°	0、15、30
	Max speed, main hoist, single line, no load		m/min	130
	Max speed, aux hoist, single line, no load		m/min	130
	Boom fully extending / Retracting time		s	450/440
	Boom raising / Lowering time		s	60/110
	Swing speed		r/min	2
	Outrigger beam fully extending / Retracting time		s	25/20
	Outrigger jack's fully extending / Retracting time		s	45/50

Technical Parameters



Axle load

Item	1	2	3	4	5	Total weight
Axle load	12	12	12	12	12	60
Remarks	Crane weight of 60t: including 15.5m jib, 75t hook, auxiliary winch, 3t counterweight					



Hook

Lifting capacity (t)	Pullies	Ropes	Hook weight (kg)
100	5	10	1209
75	4	8	745
10	0	1	252



Gradient

Weight	Tire	Speed ratio of transfer gear	Ropes														Max. Gradient
			1	2	3	4	5	6	7	8	9	10	11	12	R1	R2	
60t	385/95R25	0.8	5.9	7.6	9.9	12.7	16.1	20.7	27.3	35.1	45.2	58.1	73.7	94.6	6.5	8.3	40%
60t	385/95R25	1.83	2.6	3.3	4.3	5.6	7	9	11.9	15.3	19.7	25.3	32.1	41.2	2.8	3.6	> 60%
60t	445/95R25	0.8	6.3	8.2	10.5	13.5	17.1	22	28.9	37.2	48	61.6	78.1	99.8	6.8	8.8	38%
60t	445/95R25	1.83	2.7	3.5	4.5	5.8	7.5	9.6	12.6	16.2	20.9	26.9	34	43.7	3	3.8	> 60%



Main movement parameters

Item	Maximum speed	Diameter / Length	Maximum tension of single line
Main winch	130m/min	22mm/280m	105KN
Auxiliary winch	130m/min	22mm/190m	105KN
Swing	2r/min		
Lifting	48s		
Telescoping	480s		

Crane Introduction



Driving cab

- The whole frame is made of corrosion-resistant steel sheets. The design of instrument panel in the cab meets the principle of ergonomics, and the cab is equipped with full coverage softening interior, large arc integral front window, electronic analog meter, radio / player device, air conditioner.etc.



Crane frame

- The crane frame is optimized with rectangular cross section, replacing the original concave cross section: 1. The resistance to bending and twisting is improved greatly. 2. Under the condition of the same flexural modulus, the weight of rectangular cross-section crane frame is smaller than the weight of concave cross-section crane frame. 3. The crane frame stability is improved.



Carrier engine

- Type: 6-cylinder inline;
- Emission: Europe III;
- Fuel tank capacity: 500L.



Crane axle

- Axle 1, single tire, steering axle;
- Axle 2, single tire, steering drive axle;
- Axle 3, single tire, steering axle;
- Axle 4, single tire, steering drive axle;
- Axle 5, single tire, steering drive axle.



Driving axle

- Steering axle: axle 1 and axle 3;
- Steering drive axle: axle 2, axle 4 and axle 5.



Axle suspension

- All crane axle suspension devices are hydro-pneumatic suspension system.



Tire

- Super-level all-steel radial tire, featuring stronger bearing capacity and better wearing resistance. Tire model: 385/95R25.



Braking system

- The braking system includes service brake, parking brake, emergency brake and auxiliary brake;
- The service brake adopts the dual-circuit braking system. All wheels use the air servo brake, and are all installed with the disc brake;
- The parking brake is driven by the spring brake chamber and acts on axle 2 to axle 5;
- The emergency brake is driven by cutoff of the spring stored energy and concurrently serves as emergency brake;
- The auxiliary brake is composed of engine brake, exhaust brake and hydraulic retarder brake, guaranteeing the safety and reliability of traveling.



Steering system

- Six steering modes;
- Axle 1, and axle 2 adopts mechanical linkage hydraulic power steering, and the steering gear is dual-circuit servo power steering gear;
- Electro-hydraulic ratio control auxiliary steering is adopted for axle 3, axle 4 and axle 5.



Outrigger

- Made of high-strength steel sheet materials, front and rear telescoping outriggers are controlled through outrigger control panel with automatic leveling function and flexible operation;
- 4-point support, the transverse, longitudinal span is 7.8m×7.6m, with easy operation and strong stability.



Electrical equipment

- Independently researched and developed by Sany, SYMC, a special controller for engineering machinery is adopted;
- CAN bus all-digital network control technology is configured with abundant sensor parts, with stable control signal, simple wire harness and high reliability;
- With timely information feedback, the real-time monitoring on the crane working status is realized;
- Configured with the load moment limiter with a full-range intelligent protection system, its accuracy is within ±5%. And the operation is safer and more reliable with comprehensive logical, interlocking control.

Crane Introduction

Operating cab

- With the corrosion-resistant streamlined integral composite shell, it is configured with large arc integral front window, load moment limiter display, air conditioner, and the cab can tilt up to 20°on the whole to effectively relieve the fatigue;
- The adjustable back seat makes operation more comfortable;
- With a 10.4-inch large-screen TFT display, the working condition is clear at a glance;
- The console and the working condition display system are combined for convenient and efficient operation. Easy operation is achieved through electric control handle.

Boom system

- Boom:12.1m-63m, 7 sections, made of high strength steel 960 sheets. The torque of Min. boom reaches 4320kN.m, and the torque of fully extended boom reaches 1800kN.m, with strong lifting capacity;
- The fully optimized U-shape large arc cross-section boom makes the boom carry weights more evenly, the boom of lighter weight improves safety significantly;
- The finite-element analysis is adopted for design of the boom to optimize the strength and rigidity of structural parts to the greatest extent in order to effectively improve the stress distribution and improve the safety;
- Jib: 4 sections in total, the length is 9.4m, 15.5m, 21.5m, 27.5m, and the jib offset angle is 0°, 15°, 30°;
- Telescoping mechanism: With advanced single cylinder pin telescoping technology, the boom length can be telescoped automatically according to the working condition, and the combination form of multiple boom lengths can be chosen. By simply inputting the lifting weight, working radius, working height, you can complete the lifting and loading operation prompted, which is convenient and efficient.

Swing bearing

- Manufactured by Sany Sauter, the swing bearing features strong bearing capacity.

Turntable structure

- The optimized turntable structure ensures enough rigidity and strength of the turntable.

Superstructure hydraulic system

- The main / auxiliary winch adopts electric proportional variable displacement motor, and the maximum speed is 130m/min;
- The winching, luffing, telescoping are set with dual protection on the hydraulic circuit, safer and more reliable;
- Sany patented dual pump converging intelligent speed control technology increases working efficiencies significantly;
- With dual pump converging / diverging intelligent speed regulation technology, the dual pump supplies oil independently for compound movements, which ensures the stability and reliability of the movements with better micro-mobility. The various diverging distribution mode makes work freer and easier.

Lifting mechanism

- The standard hooks composed of two hooks: 75t and 10t hooks. The 75t dual hook, 100t dual hook, etc. is optional.

Luffing mechanism

- With single luffing cylinder, the luffing mechanism uses the design software of three-connected joints to optimize the design of pin-connected points;
- The Max. luffing angle is 82°.

Swing mechanism

- Electric proportional pump control dual swing mechanism is adopted for stable movement, excellent speed control and low power consumption;
- Unique design of swing buffer makes braking more stable;
- High strength bolts are used to fix the carrier frame with outer ring and turntable with inner ring.

Safety device

- With load moment limiter, electric proportional security key, height limiter, three-wrap protector, and combined modeling method of theoretical modeling and prototyping model correction, the modeling is closer to reality and the control is more accurate. The full-range protection of lifting and loading operation ensures accurate, smooth and comfortable operation. With abundant interface display, the display interface is customized, modified according to user needs.

Counterweight

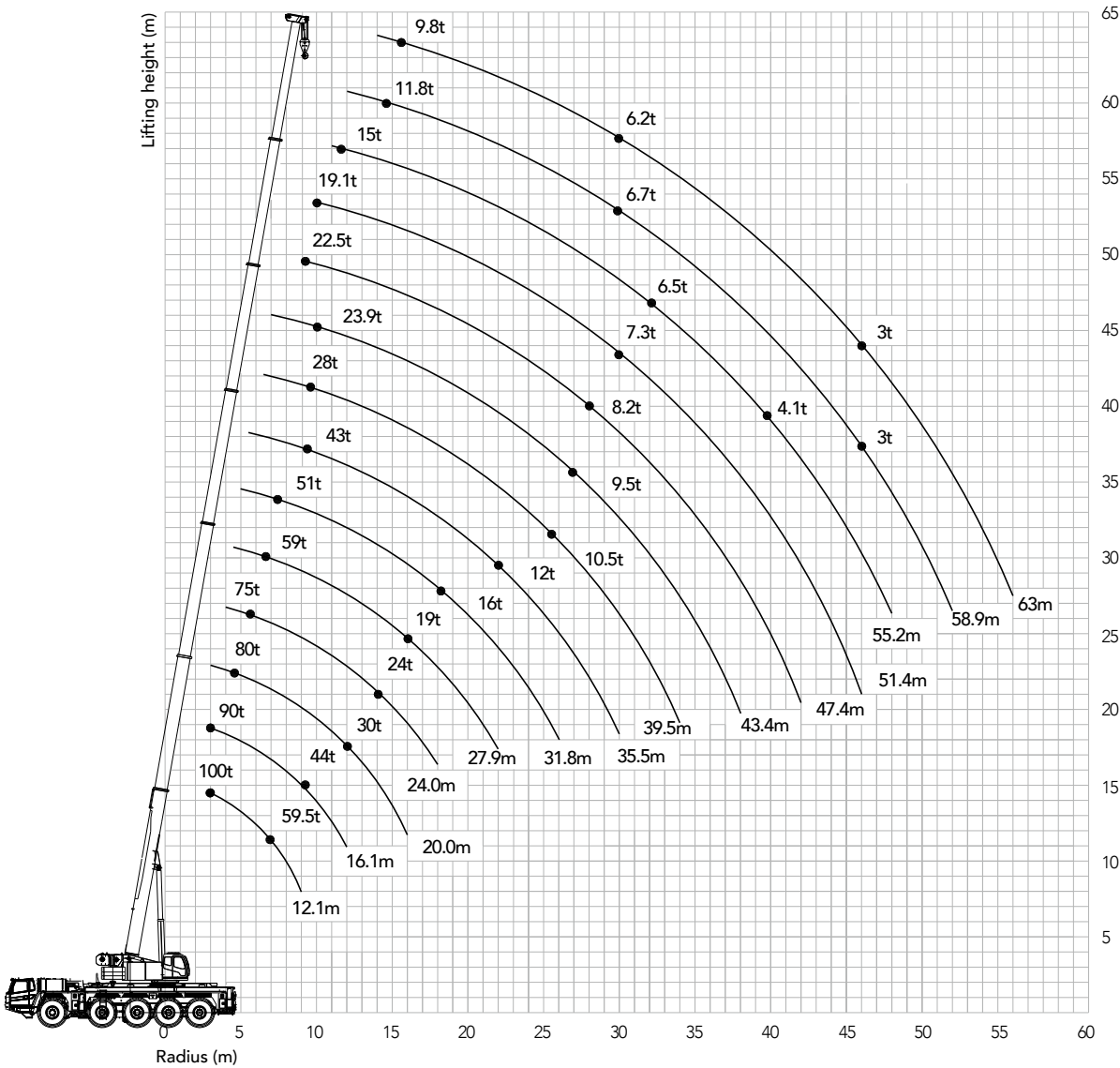
- With lifting-type counterweight structure and remote controllable technology, the completion of counterweight assembly work by one person can be realized to further save manpower and shorten the preparation time before operation;
- Counterweight combination: 3.5t, 13t, 22t ,30t, 36.5t.

Optional

- Tire: 445R95;
- Drive: 10X8, optional drive for axle1;
- Hook: 100t, 75 (double hook) ;
- Jib: 0-33.5m;
- Auxiliary winch.

Crane Introduction

Boom Operating Range



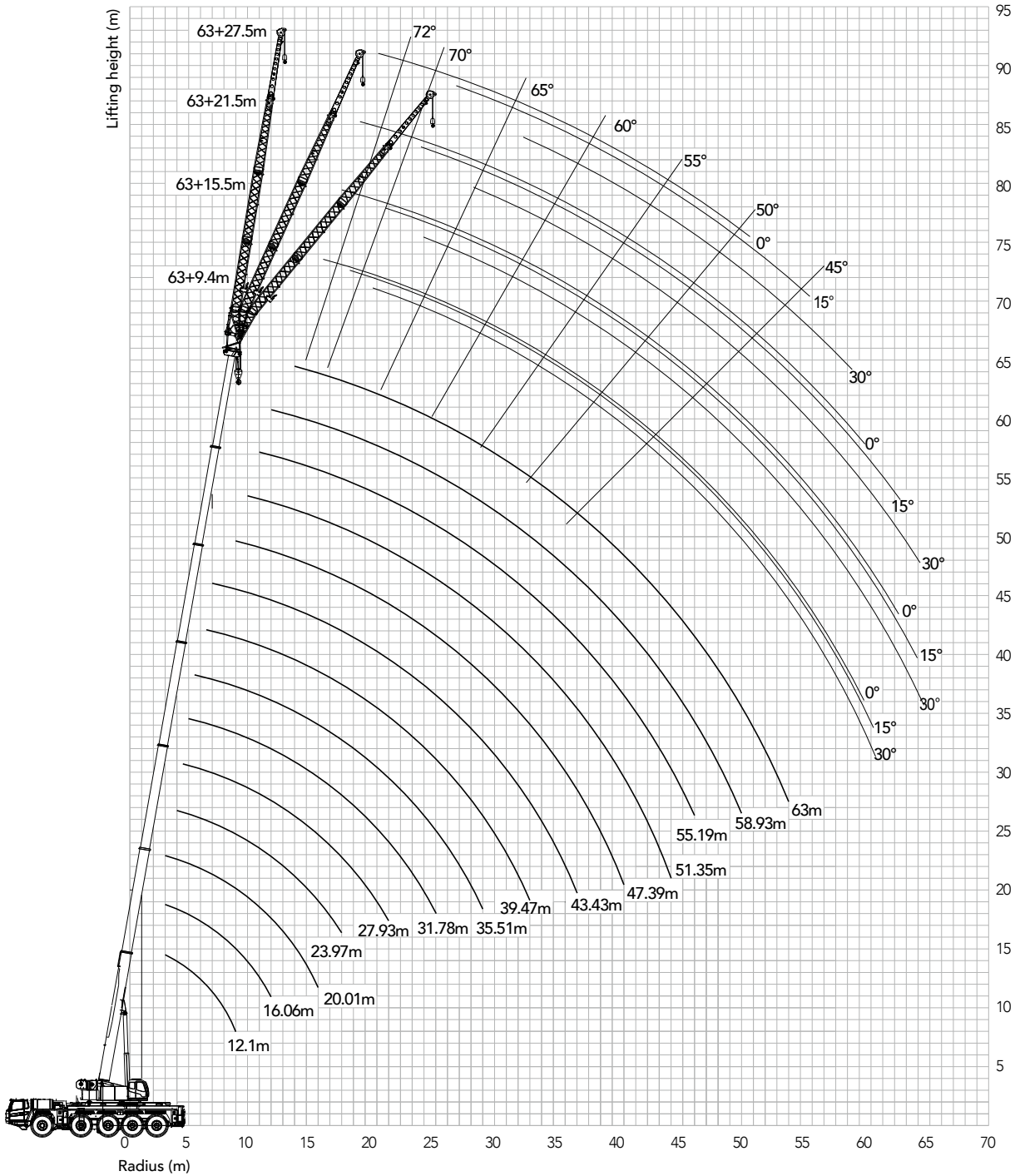
Boom Load Chart



Outrigger full-extend, 36.5t counterweight

Radius (m)	12.1	16.1	20.0	24.0	27.9	31.8	35.5	39.5	43.4	47.4	51.3	55.2	58.9	63.0	Radius (m)
3	100*	90	82												3
3.5	98*	88	82												3.5
4	95*	85	82	75											4
4.5	87	80	80	75	59										4.5
5	81	75	74	73.5	59	51									5
5.5	75.5	70	69.5	70.5	59	51	43								5.5
6	70.5	66	65.5	66.5	59	51	43								6
6.5	64.5	62	61.5	62.5	59	51	43	34							6.5
7	59.5	58	58.8	57.5	57	51	43	33	26.5						7
8	52	50	50	50	50	49	43	30	25.5						8
9	42	44	44	45	45	45	43	28	25	22.5					9
10		38.5	38.5	38	38	38	38	26	23.9	21.6	19.1				10
11		34	34	34	34	34	34	24.5	22.1	20.2	18.6				11
12		30	30	30	32	32	32	22.5	20.7	19	17.6	15			12
14			24	24	24	24	24	20	18.2	17	15.7	13.7	11.8		14
16			19	19	19	19	19	17.5	16.2	15.1	14.2	12.6	10.9	9.8	16
18				16	16	16	16	15.5	14.4	13.7	12.7	11.5	10.2	9.3	18
20					14	14	15	14	12.8	12.2	11.5	10.5	9.4	8.5	20
22					12	12	12	12	11.7	11.1	10.6	9.7	8.8	8	22
24						10.5	10.5	10.5	10.6	10	9.5	8.8	8.2	7.5	24
26						9.5	9.5	9.5	9.5	9.1	8.6	8.1	7.6	7.1	26
28							8.6	8	8.3	8.2	7.9	7.4	7.1	6.6	28
30							7.6	7	7.2	7.3	7.3	6.9	6.7	6.2	30
32								6.4	6.4	6.3	6.3	6.3	6.2	5.7	32
34									5.5	5.5	5.6	5.8	5.7	5.6	34
36										4.8	4.9	5.1	5	4.9	36
38											4.2	4.4	4.4	4.3	38
40												3.7	3.9	4.1	40
42													3.2	3.4	42
44														3	44
46															46
48															48
50															50
52															52
54															54
56															56
II		46	46	46	46	46	46	92	92	92	92	92	92	100	II
III			46	46	46	46	46	46	92	92	92	92	92	100	III
IV				46	46	46	46	46	46	92	92	92	92	100	IV
V					46	46	46	46	46	46	92	92	92	100	V
VI						46	46	46	46	46	46	92	92	100	VI
VII							46	46	46	46	46	46	92	100	VII

Jib Operating Range



Jib Load Chart

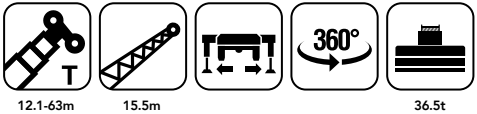


36.5t counterweight, outrigger full-extend, jib length of 27.5m

Radius (m)	47.4m 15.5m+12m			51.3m 15.5m+12m			55.2m 15.5m+12m			58.9m 15.5m+12m			63m 15.5m+12m			Radius (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
11	2.6															11
12	2.6															12
14	2.6			2.3			2.0									14
16	2.6			2.3			2.0			2.0			1.7			16
18	2.6			2.3			2.0			2.0			1.7			18
20	2.6	2.6		2.3	2.3		2.0			2.0			1.7			20
22	2.6	2.6		2.3	2.3		2.0	2.0		2.0	2.0		1.7	1.7		22
24	2.6	2.6		2.3	2.3		2.0	2.0		2.0	2.0		1.7	1.7		24
26	2.5	2.5	2.4	2.3	2.3	2.1	2.0	2.0		2.0	2.0		1.7	1.7	0.0	26
28	2.5	2.4	2.4	2.2	2.3	2.1	2.0	2.0	1.9	2.0	2.0	1.9	1.7	1.7	1.7	28
30	2.4	2.3	2.3	2.2	2.2	2.1	1.9	2.0	1.9	2.0	2.0	1.9	1.7	1.7	1.7	30
32	2.4	2.2	2.2	2.2	2.1	2.1	1.9	2.0	1.9	1.9	2.0	1.9	1.7	1.7	1.7	32
34	2.3	2.1	2.1	2.2	2.0	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.7	1.7	1.7	34
36	2.2	2.0	2.0	2.1	1.9	2.0	1.9	1.9	1.8	1.9	1.9	1.8	1.7	1.7	1.7	36
38	2.1	2.0	1.9	2.0	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.8	1.7	1.7	1.7	38
40	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.7	1.6	1.6	1.6	40
42	1.9	1.8	1.8	1.9	1.7	1.7	1.7	1.7	1.6	1.8	1.7	1.7	1.6	1.6	1.6	42
44	1.8	1.7	1.7	1.8	1.6	1.7	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.5	44
46	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.5	1.5	1.7	1.6	1.5	1.5	1.5	1.5	46
48	1.6	1.6	1.6	1.6	1.5	1.6	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.4	48
50	1.6	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	50
52	1.5	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.3	52
54	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	54
56	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.2	1.2	1.2	56
58	1.1	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.2	1.1	1.2	1.2	58
60	1.0	1.1	1.1	1.1	1.2	1.2	1.0	1.2	1.2	1.1	1.2	1.2	0.9	1.1	1.2	60
62	0.8	1.0	1.0	0.9	1.0	1.2	0.9	1.1	1.2	1.0	1.2	1.2	0.8	1.0	1.0	62
64	0.7	0.8	0.9	0.7	0.9	1.0	0.7	0.9	1.0	0.9	1.0	1.1	0.7	0.8	0.9	64
66	0.5	0.7	0.7	0.5	0.8	0.9	0.6	0.8	0.8	0.7	0.8	1.0	0.5	0.7	0.8	66
68		0.5	0.6		0.6	0.7		0.6	0.7	0.5	0.7	0.8		0.5	0.7	68
II	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	II
III	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	III
IV	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	IV
V	46	46	46	92	92	92	92	92	92	92	92	92	100	100	100	V
VI	46	46	46	46	46	46	92	92	92	92	92	92	100	100	100	VI
VII	46	46	46	46	46	46	46	46	46	92	92	92	100	100	100	VII

Unit: t

Jib Load Chart

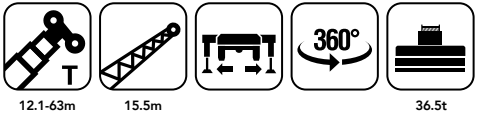


Outrigger full-extend, 36.5t counterweight, jib length of 15.5m

Radius (m)	31.8m 15.5m			35.5m 15.5m			39.5m 15.5m			43.4m 15.5m			47.4m 15.5m			Radius (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
6	5.6			5.3			0.0			0.0			0.0			6
6.5	5.5			5.3			5.1			4.9			0.0			6.5
7	5.4			5.2			5.0			4.8			4.9			7
8	5.2	4.2		5.0			4.9			4.6			4.8			8
9	5.0	4.2		4.8	4.0		4.8	4.0		4.5			4.8			9
10	4.8	4.0		4.6	3.9		4.6	4.0		4.4	3.9		4.6			10
11	4.6	3.9	3.5	4.4	3.8	3.4	4.5	3.9		4.2	3.8		4.5	3.9		11
12	4.4	3.8	3.4	4.3	3.7	3.3	4.3	3.8	3.4	4.1	3.7	3.3	4.4	3.8	3.3	12
14	4.2	3.7	3.3	4.1	3.6	3.3	4.2	3.7	3.3	4.0	3.6	3.3	4.2	3.7	3.3	14
16	4.0	3.6	3.3	4.0	3.5	3.2	4.0	3.6	3.3	3.9	3.5	3.2	4.1	3.6	3.2	16
18	3.9	3.5	3.2	3.8	3.5	3.2	3.9	3.5	3.2	3.8	3.5	3.2	4.0	3.6	3.2	18
20	3.8	3.4	3.2	3.7	3.4	3.2	3.8	3.4	3.2	3.7	3.4	3.2	3.9	3.5	3.2	20
22	3.6	3.4	3.2	3.6	3.3	3.2	3.7	3.4	3.2	3.7	3.3	3.2	3.8	3.4	3.2	22
24	3.5	3.3	3.2	3.4	3.3	3.2	3.6	3.3	3.2	3.6	3.3	3.2	3.7	3.4	3.2	24
26	3.3	3.3	3.2	3.3	3.3	3.2	3.5	3.3	3.2	3.5	3.3	3.1	3.6	3.3	3.1	26
28	3.1	3.2	3.2	3.2	3.2	3.2	3.4	3.3	3.2	3.4	3.2	3.1	3.5	3.3	3.1	28
30	3.0	3.2	3.2	3.0	3.2	3.2	3.3	3.2	3.2	3.3	3.2	3.1	3.4	3.2	3.1	30
32	2.8	3.1	3.2	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.3	3.2	3.1	32
34	2.7	3.0	3.1	2.8	3.1	3.1	3.0	3.1	3.2	3.1	3.1	3.1	3.2	3.2	3.1	34
36	2.6	2.8	3.1	2.7	2.9	2.8	2.9	3.0	3.1	3.0	3.0	3.1	3.1	3.2	3.1	36
38	2.5	2.6	0.0	2.5	2.6	2.5	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	38
40				2.1	2.2	2.2	2.7	2.5	2.7	2.7	2.7	2.8	2.9	2.9	2.9	40
42				1.7	1.8	1.9	2.4	2.3	2.4	2.5	2.5	2.6	2.6	2.6	2.6	42
44				1.3	1.4	0.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.4	2.4	44
46							1.8	1.9	2.0	2.0	2.0	2.1	2.0	2.2	2.2	46
48							1.5	1.7		1.8	1.8	1.9	1.7	1.9	2.0	48
50										1.5	1.6	1.7	1.4	1.6	1.7	50
52										1.3	1.3		1.1	1.3	1.3	52
54														1.0	1.0	54
II	46	46	46	46	46	46	92	92	92	92	92	92	92	92	92	II
III	46	46	46	46	46	46	46	46	46	92	92	92	92	92	92	III
IV	46	46	46	46	46	46	46	46	46	46	46	46	92	92	92	IV
V	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	V
VI	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	VI
VII	0	0	0	46	46	46	46	46	46	46	46	46	46	46	46	VII
VII	46	46	46	46	46	46	46	46	46	92	92	92	100	100	100	VII

Unit: t

Jib Load Chart



Outrigger full-extend, 36.5t counterweight, jib length of 15.5m

Radius (m)	51.3m 15.5m			55.2m 15.5m			58.9m 15.5m			63m 15.5m			Radius (m)
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	
6													6
6.5													6.5
7													7
8	3.9			3.9									8
9	3.8			3.8			3.9						9
10	3.8			3.8			3.8			3.5			10
11	3.8	3.7		3.7	3.5		3.8			3.5			11
12	3.7	3.6		3.7	3.4		3.7	3.5		3.4	3.2		12
14	3.6	3.6	3.2	3.6	3.4	3.1	3.7	3.4	3.2	3.4	3.2		14
16	3.6	3.5	3.2	3.6	3.3	3.1	3.6	3.4	3.1	3.4	3.2	3.1	16
18	3.5	3.5	3.2	3.5	3.3	3.1	3.6	3.4	3.1	3.4	3.2	3.1	18
20	3.5	3.4	3.2	3.5	3.3	3.1	3.5	3.3	3.1	3.3	3.1	3.1	20
22	3.4	3.3	3.1	3.4	3.2	3.1	3.5	3.3	3.1	3.3	3.1	3.1	22
24	3.4	3.3	3.1	3.4	3.2	3.1	3.4	3.2	3.1	3.2	3.1	3.1	24
26	3.3	3.3	3.1	3.3	3.2	3.1	3.4	3.2	3.1	3.2	3.1	3.1	26
28	3.3	3.2	3.1	3.3	3.1	3.1	3.3	3.2	3.1	3.2	3.1	3.1	28
30	3.3	3.2	3.1	3.3	3.1	3.1	3.3	3.2	3.1	3.1	3.0	3.1	30
32	3.2	3.2	3.1	3.2	3.1	3.1	3.3	3.1	3.1	3.1	3.0	3.1	32
34	3.1	3.2	3.1	3.1	3.0	3.0	3.2	3.1	3.1	3.0	3.0	3.0	34
36	3.0	3.1	3.1	3.0	2.9	2.9	3.1	3.1	3.1	3.0	2.9	3.0	36
38	2.8	3.1	3.1	2.8	2.8	2.7	3.0	3.0	3.1	2.8	2.8	2.9	38
40	2.7	2.8	2.8	2.6	2.6	2.6	2.9	2.9	2.9	2.6	2.6	2.7	40
42	2.5	2.5	2.6	2.4	2.4	2.4	2.6	2.7	2.8	2.4	2.4	2.4	42
44	2.2	2.3	2.3	2.1	2.2	2.2	2.4	2.5	2.6	2.2	2.2	2.3	44
46	2.0	2.0	2.1	1.9	2.0	2.0	2.1	2.3	2.4	2.0	2.1	2.1	46
48	1.7	1.8	1.9	1.7	1.8	1.8	2.0	2.0	2.1	1.7	1.9	1.9	48
50	1.4	1.6	1.7	1.5	1.6	1.6	1.7	1.9	1.9	1.6	1.6	1.8	50
52	1.2	1.3	1.4	1.2	1.4	1.4	1.4	1.6	1.7	1.3	1.5	1.5	52
54	0.9	1.1	1.1	1.0	1.2	1.2	1.1	1.3	1.5	1.1	1.3	1.4	54
56	0.7	0.8	0.8	0.8	0.9	1.0	0.9	1.1	1.2	0.8	1.0	1.2	56
58	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.6	0.8	0.9	58
60						0.5	0.5	0.6	0.7		0.6	0.7	60
II	92	92	92	92	92	92	92	92	92	100	100	100	II
III	92	92	92	92	92	92	92	92	92	100	100	100	III
IV	92	92	92	92	92	92	92	92	92	100	100	100	IV
V	92	92	92	92	92	92	92	92	92	100	100	100	V
VI	46	46	46	92	92	92	92	92	92	100	100	100	VI
VII	46	46	46	46	46	46	92	92	92	100	100	100	VII
VII	46	46	46	46	46	46	92	92	92	100	100	100	VII

Notes



Quality Changes the World

SANY AUTOMOBILE HOISTING MACHINERY

Address: SANY Industrial Park, Jinzhou Development Zone,
Changsha, Hunan, China.
For more information, please Contact Our Exclusive Agent in UAE :

For our consistent improvement in technology, specifications may change without notice.
The machines illustrated may show optional equipment which can be supplied at additional cost.
Version: 2015.08

www.sanyglobal.com



www.united-ume.ae

Exclusive Agent in UAE :

UNITED Mechanical Equipment Trad. Est.



Tel. : +971 2 551 6661

Fax : +971 2 551 6777

Mob. : +971 50 668 8285

P.O. Box : 36639

Abu Dhabi - Musaffah M -11

E-mail : info@united-ume.ae

Web : www.united-ume.ae

United Arab Emirates