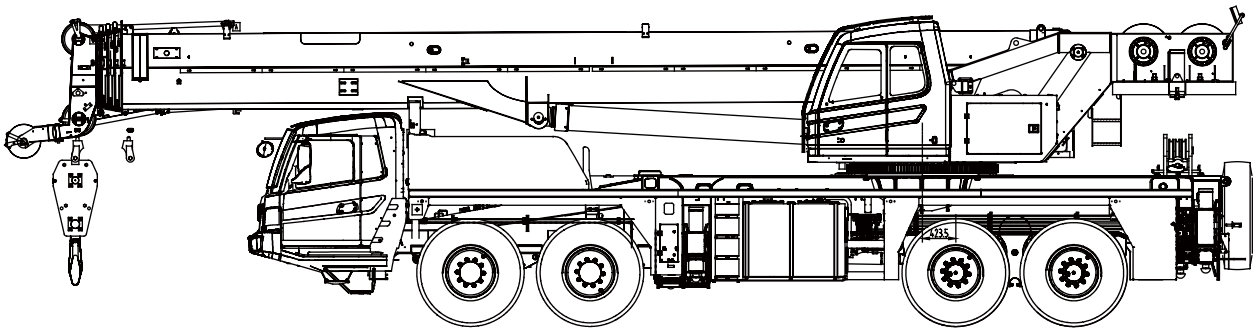




Quality Changes the World

Load Charts Manual

STC800T5 Truck Crane



SANY

LOAD CHARTS MANUAL

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GENERAL NOTES AND WARNINGS

General

1. Rated loads as shown on lift chart pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Safety, Operation & Maintenance Manual supplied with this machine. If this manual is missing, order replacements from the manufacturer through the distributor.
3. The operator and other personnel associated with machine shall fully acquaint themselves with the latest standards for cranes.

Setup

1. The machine shall be level and on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.
2. When outrigger use is intended, the outriggers shall be properly extended with tires raised off of the supporting surface before operating crane functions and lifting loads.
3. Do not travel with crane operation.

Operation

1. Rated loads at rated radius shall not be exceeded. Do not attempt to tip the machine to determine allowable loads.
2. All rated loads have been tested to and meet the EN13000 and GB/T 3811-2008 requirements. Capacities on outriggers correspond to (Test Load = 1.25P + 0.1F). 0.1F represents one-tenth (0.10) of the total boom weight reduced to the boom head.
3. Rated loads include the weight of hook block, slings and auxiliary lifting devices and their weights shall be subtracted from the listed rating to obtain the actual load to be lifted. When more than the minimum required parts of line needed to pick the load are used, the additional rope weight as measured from the lower sheaves of the main boom nose shall be considered part of the load to be lifted. When both the hook block and headache ball are reeved, the lifting device that is NOT in use, including the line as measured from the lower sheave(s) of the nose supporting the unused device shall be considered part of the load.
4. Load ratings are based on freely suspended loads. No attempt shall be made to move a load horizontally on the ground in any direction.
5. Rated loads do not account for wind on lifted loads or boom. The maximum in-service wind speed is 32 km/h. It is recommended when wind velocity is above 32 km/h, rated loads and boom lengths shall be appropriately reduced. For machines not in-service, the main boom should be retracted and lowered with swing brake set in wind velocities over 48 km/h.
6. Rated loads are for lift crane service only.
7. Do not operate at a radius or boom length where capacities are not listed. At these positions,

the machine may overturn without any load on the hook.

8. The maximum load which can be telescoped is not definable because of variations in loadings and crane maintenance, but it is safe to attempt retraction and extension of the boom if the rated capacity is not exceeded.
9. When the boom length or lift radius or both are between values listed, the smallest load shown at either the next larger radius or next longer or shorter boom length shall be used.
10. The user shall make due allowances for his particular job conditions, such as: soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, experience of personnel, two machine (tandem) lifts, electric wires, obstacles, hazardous conditions, etc. Side pull on boom or jib is extremely dangerous.
11. No deduct is required from the main boom charts for a stowed boom extension.
12. Never handle personnel with this machine unless the requirements of the applicable national, state, and local regulations and safety codes are met.
13. Keep all load handling devices a minimum of 1m below boom head at all times.
14. The boom angle before loading should be greater than the loaded boom angle to account for deflection.
15. Do not lift loads when boom is fully lowered. The Load Moment Indicator (LMI) senses pressure in the lift cylinder and it will not sense a warning or lockout condition. The crane can be overloaded without warning if the lift cylinder is fully retracted.

Definitions

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
2. Loaded Boom Angle: is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius with the rated boom length.
3. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist cable.
4. Side Load: Horizontal force applied to the lifted load either on the ground or in the air.
5. No Load Stability Limit: The stability limit is determined by the Min Boom Angle on the load charts manual. It is not permitted to lower the boom below the boom angles listed because the machine can overturn without any load on the hook.

Wind Speed Restrictions	
If the wind speed is:	Rated lifted capacities must be reduced by at least:
0-32km/h	Normal lifting operations (see load chart)
33 km/h or greater	Jib operation must be shut down
33-47km/h	40%
48 km/h or greater	Crane operation must be shutdown and the boom retracted and lowered to horizontal
Additional reductions are required for loads with large wind sail area. These restrictions are based on crane on fully extended outriggers.	

Counterweight		
Total weight (t)	Combination	Weight of single piece (t)
3	Basic counterweight	3
5.5	Basic counterweight	3
	Moveable counterweight	2.5
10	Basic counterweight	3
	Moveable counterweight	2.5
	Moveable counterweight	4.5
15	Basic counterweight	3
	Moveable counterweight	2.5
	Moveable counterweight	4.5
	Moveable counterweight	5

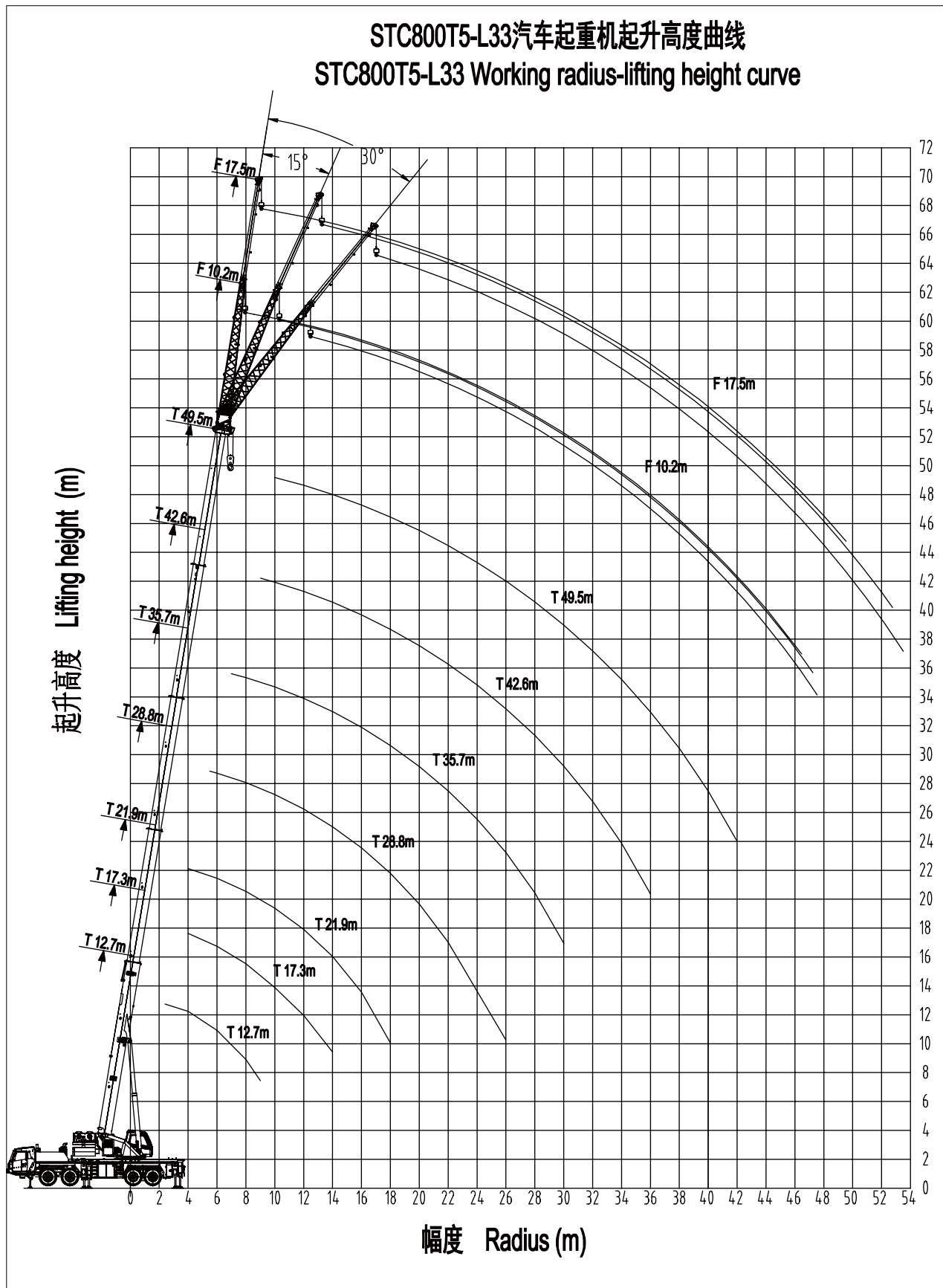
NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances **MUST BE MADE** for their combined weights. Weights listed are for Sany furnished equipment.

Hook Block			
Load (t)	Number of sheaves	Parts of line	Hook weight (kg)
80	6	12	800
6.5	1	1	140
65(optional)	5	10	690
75 latch hook (optional)	5	10	735

⚠ WARNING

Read and understand all safety precautions and instructions in SOM manual before reading this load charts manual. Failure to do this could result in death or serious injury.

WORKING RANGE DIAGRAM



NOTE:

1. Load capacity in the chart is the maximum weight which this crane could hoist include the hook blocks' weight.
2. Radius shown in the chart is the actual radius when loading.
3. The load capacity in this chart is the maximum weight when this crane is supported with the firm ground and stays in level.
4. Always support the center front stabilizer when operating the boom at 360 degree area.
In order to avoid damage of the driver's cab by accidents, do not lift the weights on the top of the driver's cab.
It is prohibited to operate the boom in front of the crane when the center front stabilizer is not extended.
5. Choose rated load capacity of the longer boom and radius when the actual boom length and radius are between two values in the charts.
6. The machine can be used only when the wind power is less than grade 6.

LOAD CHARTS, MAIN BOOM

Outriggers 100% Extended, Counterweight:3T

Boom Radius (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight:3T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	80000	65000					
3.5	73000	64000					
4	69500	63500	47000				
4.5	62500	59500	47000				
5	56500	55000	45000				
5.5	52000	50000	43000	34000			
6	46500	45000	41000	34000			
6.5	42000	41000	39500	33000			
7	35500	34500	34000	32000	27000		
7.5	30500	30000	29000	30000	25500		
8	26800	26000	25500	27000	24500		
9	21000	20300	20000	21300	22000	18000	
10		16300	16000	17500	18200	17000	12000
11		13500	13100	14500	15200	15800	11700
12		10900	10600	12000	12800	13500	11400
14		7500	7100	8500	9300	9900	10300
16			4800	6100	6900	7500	7800
18			3100	4400	5100	5700	6000
20				3100	3800	4400	4700
22				2100	2800	3300	3700
24				1300	2000	2500	2800
26					1300	1800	2100
28						1300	1600
30							1100
32							
34							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight: 3T (Unit): kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
2.7	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		34000	29000		
6.5	32000	27500	21000		33500	28000		
7	31500	26000	20000		33000	27500		
7.5	31000	25000	19500		31500	26500	19000	
8	28500	24500	19000	16000	28000	26000	19000	
9	22800	23000	17500	15000	22000	22500	18500	14500
10	18500	19000	15900	14000	18000	18500	17500	14000
11	15500	16200	14600	13000	15000	15600	16000	13000
12	13200	14000	13600	12000	12500	13300	14000	12500
14	9700	10500	10900	10500	9000	9800	10400	10500
16	7200	8000	8400	8500	6500	7300	7900	8300
18		6200	6600	6900	4800	5600	6100	6500
20		4800	5300	5600	3500	4300	4800	5100
22		3800	4200	4500		3200	3700	4000
24			3400	3700		2400	2900	3200
26			2700	3000		1800	2200	2500
28			2100	2400			1700	1900
30			1700	1900			1200	1500
32				1500				1100
34				1200				
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 100% Extended, Counterweight:5.5T

Boom Radius (m)	Main Boom, Outriggers 100% Extended,360° Operation Counterweight:5.5T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	80000	65000					
3.5	73000	64000					
4	69500	63500	47000				
4.5	62500	59500	47000				
5	56500	55000	45000				
5.5	52500	50000	43000	34000			
6	47000	45000	41000	34000			
6.5	43000	41000	39500	33000			
7	39000	37000	36000	32000	27000		
7.5	33600	32500	32000	30000	25500		
8	29300	28500	28000	28500	24500		
9	23200	22500	22000	23500	23000	18000	
10		18000	17700	19200	20000	17000	12000
11		15000	14700	16000	16800	16500	11700
12		12500	12100	13500	14300	14500	11400
14		8800	8400	9800	10600	11200	11000
16			5900	7200	8000	8600	8900
18			4100	5300	6100	6600	7000
20				3900	4600	5200	5500
22				2800	3500	4100	4400
24				2000	2600	3200	3500
26					1900	2400	2700
28					1300	1800	2100
30					900	1300	1600
32						900	1200
34							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight: 5.5T (Unit): kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		34000	29000		
6.5	32000	27500	21000		33500	28000		
7	31500	26000	20000		33000	27500		
7.5	31000	25000	19500		32500	26500	19000	
8	29500	24500	19000	16000	29500	26000	19000	
9	24600	23000	17500	15000	24000	24000	18500	14500
10	20200	20500	15900	14000	19600	20500	17500	14000
11	17000	17800	14600	13000	16500	17300	16500	13000
12	14600	15400	13600	12000	14000	14800	15000	12500
14	11000	11700	11700	10500	10300	11000	11700	11500
16	8300	9100	9200	9300	7600	8400	9000	9300
18		7100	7600	7800	5800	6500	7100	7400
20		5700	6100	6400	4300	5100	5600	5900
22		4600	5000	5200	3300	4000	4500	4800
24			4100	4300		3100	3600	3900
26			3300	3600		2400	2800	3100
28			2700	3000		1800	2200	2500
30			2200	2400			1700	2000
32				2000			1300	1500
34				1600			900	1200
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 100% Extended, Counterweight:10T

Boom Radius (m)	Main Boom, Outriggers 100% Extended,360° Operation Counterweight:10T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	80000	65000					
3.5	73000	64000					
4	70000	63500	47000				
4.5	63500	59500	47000				
5	58000	55000	45000				
5.5	53000	50000	43000	34000			
6	49000	45000	41000	34000			
6.5	45000	41500	39500	33000			
7	40500	38500	38000	32000	27000		
7.5	37000	35500	34900	30000	25500		
8	33000	32000	32000	29500	24500		
9	26500	26000	25500	26500	23000	18000	
10		21000	20800	22000	21500	17000	12000
11		17500	17200	18500	19300	16500	11700
12		14800	14500	15800	16500	15500	11400
14		10800	10500	11800	12500	13000	11200
16			7800	9100	9800	10300	10500
18			5700	7000	7800	8300	8700
20				5400	6100	6700	7000
22				4100	4800	5400	5700
24				3200	3800	4400	4700
26					3000	3500	3800
28					2300	2800	3100
30					1800	2200	2500
32						1700	2000
34						1300	1600
36						900	1200
38							900
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight: 10T (Unit): kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		34000	29000		
6.5	32000	27500	21000		33500	28000		
7	31500	26000	20000		33000	27500		
7.5	31000	25000	19500		32500	26500	19000	
8	30500	24500	19000	16000	32000	26000	19000	
9	27500	23000	17500	15000	27000	25500	18500	14500
10	23500	21500	15900	14000	22500	23000	17500	14000
11	20000	19700	14600	13000	19000	20000	16500	13000
12	17000	17500	13600	12000	16300	17200	15500	12500
14	13000	13700	11700	10500	12400	13000	13000	11500
16	10200	10800	10300	9300	9600	10300	10800	10500
18		8800	9000	8300	7400	8200	8800	9000
20		7200	7600	7300	5800	6600	7100	7400
22		5900	6300	6500		5300	5800	6100
24			5200	5500		4300	4800	5100
26			4400	4600		3500	3900	4200
28			3700	3900			3200	3500
30				3300			2600	2900
32				2800			2100	2400
34				2400				1900
36								1500
38								1200
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 100% Extended, Counterweight:15T

Boom (m) Radius (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight:15T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	80000	65000					
3.5	73000	64000					
4	70000	63500	47000				
4.5	65000	59500	47000				
5	60500	55000	45000				
5.5	54500	50000	43000	34000			
6	49500	46000	41000	34000			
6.5	45500	43000	39500	33000			
7	41500	40000	38000	32000	27000		
7.5	38000	36500	35000	30000	25500		
8	34500	34000	32500	29500	24500		
9	30000	29000	28000	26800	23000	18000	
10		24500	24000	24300	21500	17000	12000
11		21000	20500	21000	19600	16500	11700
12		17800	17300	18500	18200	15500	11400
14		13300	12800	14000	14600	14500	11200
16			9700	10800	11500	12000	10600
18			7500	8600	9200	9700	9500
20				6900	7500	7900	8200
22				5600	6200	6600	6800
24				4500	5100	5500	5700
26					4200	4600	4800
28					3400	3800	4000
30					2800	3100	3400
32						2600	2800
34						2100	2400
36						1700	2000
38							1600
40							1300
42							1000
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Boom (m) Radius (m)	Main Boom, Outriggers 100% Extended, 360° Operation Counterweight: 15T (Unit):kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		34000	29000		
6.5	32000	27500	21000		33500	28000		
7	31500	26000	20000		33000	27500		
7.5	31000	25000	19500		32500	26500	19000	
8	30500	24500	19000	16000	32000	26000	19000	
9	28800	23000	17500	15000	30200	25500	18500	14500
10	25600	21500	15900	14000	26000	24000	17500	14000
11	23000	19700	14600	13000	22300	22000	16500	13000
12	19800	18200	13600	12000	19100	19500	15500	12500
14	15300	15000	11700	10500	14600	15200	14000	11500
16	12100	12700	10300	9300	11400	12000	12000	10500
18		10400	9100	8300	9100	9800	10200	9500
20		8700	8100	7500	7400	8100	8500	8400
22		7300	7200	6900		6700	7100	7400
24			6500	6200		5600	6000	6300
26			5600	5600		4700	5100	5400
28			4800	4900			4300	4600
30				4400			3600	3900
32				3800			3000	3300
34				3300				2800
36								2400
38								2000
40								
42								
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 50% Extended, Counterweight:3T

Boom Radius (m)	Main Boom, Outriggers 50% Extended,360° Operation Counterweight:3T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	65000	56000					
3.5	55000	52000					
4	48000	47000	44000				
4.5	44000	41000	41000				
5	36000	35000	34500				
5.5	29000	28000	27500	29500			
6	23800	23000	22500	24500			
6.5	20000	19400	18800	20500			
7	17200	16500	16000	17600	18500		
7.5	14800	14200	13800	15200	16000		
8	13000	12300	11900	13400	14200		
9	10000	9400	9000	10400	11300	11500	
10		7200	6800	8200	9100	9700	10000
11		5500	5200	6500	7300	7900	8300
12		4200	3900	5200	6000	6600	6900
14		2300	2000	3200	4000	4500	4900
16				1800	2600	3100	3400
18					1500	2100	2400
20						1200	1600
22							1000
24							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 50% Extended, 360° Operation Counterweight:3T (Unit):kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	31000	30000			30000			
6	25800	26600	22000		24800	26000		
6.5	22000	22800	21000		21000	22000		
7	19000	19700	20000		18000	19000		
7.5	16500	17300	17800		15700	16500	17000	
8	14500	15200	15800	16000	13800	14500	15000	
9	11600	12200	12800	13000	10900	11600	12300	12500
10	9400	10100	10600	10800	8700	9500	10100	10400
11	7700	8400	8900	9200	7000	7800	8400	8700
12	6300	7000	7500	7800	5600	6500	7000	7300
14	4300	5000	5400	5700	3600	4400	4900	5300
16	2900	3600	4000	4300	2300	3000	3500	3800
18		2500	2900	3200	1200	2000	2500	2700
20		1700	2100	2400		1200	1600	1900
22		1100	1500	1700			1000	1300
24				1200				
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II(%)	25	50	75	100	25	50	75	100

Outriggers 50% Extended, Counterweight:5.5T

Boom (m) Radius (m)	Main Boom, Outriggers 50% Extended,360° Operation Counterweight:5.5T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	65000	56000					
3.5	55000	52000					
4	48000	47000	44000				
4.5	44000	41000	41000				
5	40000	39000	37000				
5.5	32000	31500	31000	33000			
6	26500	26000	25500	27500			
6.5	22500	22000	21500	23000			
7	19500	18600	18500	20000	21000		
7.5	16500	16000	16000	17300	18000		
8	14800	14000	13800	15200	16000		
9	11500	11000	10600	12000	12800	13500	
10		8700	8300	9700	10500	11000	11400
11		6800	6500	7800	8500	9200	9600
12		5400	5000	6300	7100	7700	8100
14		3300	2900	4200	4900	5500	5800
16			1500	2600	3400	3900	4200
18				1500	2200	2800	3100
20					1400	1900	2200
22						1200	1500
24							
26							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 50% Extended, 360° Operation Counterweight: 5.5T (Unit): kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			33500			
6	28800	29000	22000		28000	29000		
6.5	24500	25500	21000		23700	24800		
7	21000	22000	20000		20500	21500		
7.5	18500	19500	19500		17800	18800	19000	
8	16500	17000	17500	16000	15800	16600	17000	
9	13100	14000	14500	14500	12500	13300	13800	14000
10	10800	11500	12000	12000	10000	10900	11500	11800
11	8900	9700	10000	10500	8300	9100	9600	9900
12	7500	8200	8600	9000	6800	7600	8100	8500
14	5300	5900	6400	6700	4600	5300	5900	6200
16	3700	4400	4800	5100	3100	3800	4300	4600
18		3200	3600	3900	2000	2700	3200	3500
20		2300	2700	3000	1100	1800	2300	2500
22		1600	2000	2300		1100	1600	1800
24			1400	1700			1000	1200
26			1000	1200				
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 50% Extended, Counterweight:10T

Boom Radius (m)	Main Boom, Outriggers 50% Extended, 360° Operation Counterweight:10T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	65000	56000					
3.5	55000	52000					
4	48000	47000	44000				
4.5	44000	41000	41000				
5	41000	39000	37000				
5.5	38500	37000	34000	34000			
6	32000	31000	30500	32500			
6.5	27500	26500	26000	28000			
7	23500	23000	22500	24000	25000		
7.5	20500	20000	19600	21000	22000		
8	18200	17500	17300	18500	19500		
9	14500	14000	13600	15000	15600	16000	
10		11200	10900	12200	13000	13500	12000
11		9100	8800	10100	10800	11400	11700
12		7400	7100	8400	9200	9700	10000
14		5000	4600	5800	6600	7200	7500
16			2900	4100	4800	5300	5700
18			1600	2800	3500	4000	4300
20				1800	2400	3000	3300
22				1000	1600	2100	2400
24					1000	1500	1800
26							1200
28							
30							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II(%)	0	0	0	25	50	75	100

Radius (m) \ Boom (m)	Main Boom, Outriggers 50% Extended, 360° Operation Counterweight: 10T (Unit): kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		33000	29000		
6.5	29000	27500	21000		28000	28000		
7	25500	26000	20000		24500	25500		
7.5	22300	23000	19500		21500	22500	19000	
8	19800	20500	19000	16000	19000	20000	19000	
9	16000	16600	17000	15000	15300	16300	16500	14500
10	13200	14000	14500	14000	12600	13500	14000	14000
11	11200	11800	12300	12500	10500	11300	11800	12000
12	9500	10100	10600	10900	8800	9600	10100	10400
14	6900	7600	8100	8400	6300	7000	7600	7900
16	5100	5800	6200	6500	4500	5200	5700	6000
18		4500	4900	5100	3200	3900	4400	4700
20		3400	3800	4100	2200	2900	3400	3600
22		2600	3000	3200		2100	2500	2800
24			2300	2600		1400	1900	2100
26			1800	2000			1300	1600
28			1300	1600				1100
30				1200				
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II (%)	25	50	75	100	25	50	75	100

Outriggers 50% Extended, Counterweight:15T

Radius (m) \ Boom (m)	Main Boom, Outriggers 50% Extended, 360° Operation Counterweight:15T (Unit):kg						
	12.7	17.3	21.9	28.8	35.7	42.6	49.5
3	65000	56000					
3.5	55000	52000					
4	48000	47000	44000				
4.5	44000	41000	41000				
5	41000	39000	37000				
5.5	39000	37000	34000	34000			
6	35000	31000	31000	34000			
6.5	32500	28000	28000	33000			
7	28000	26000	26000	28500	26500		
7.5	24800	24000	23000	25000	25000		
8	22000	21500	21000	22500	23000		
9	17800	17200	16800	18000	19000	18000	
10		14000	13800	15000	15600	16300	12000
11		11600	11300	12500	13300	13800	11700
12		9700	9400	10600	11400	12000	11500
14		6800	6500	7700	8500	9000	9400
16			4500	5700	6400	6900	7300
18			3000	4200	4900	5400	5700
20				3000	3700	4200	4500
22				2100	2700	3200	3500
24				1400	2000	2500	2800
26					1400	1800	2100
28						1300	1600
30							1100
32							
34							
Parts of line	12	11	8	6	5	3	3
Cylinder I (%)	0	50	100	100	100	100	100
Cylinder II (%)	0	0	0	25	50	75	100

Boom adius (m)	Main Boom, Outriggers 50% Extended,360° Operation Counterweight:15T (Unit):kg							
	19.6	26.5	33.4	40.3	24.2	31.1	38	44.9
3								
3.5	34000							
4	34000							
4.5	33500				34000			
5	33500	30500			34000			
5.5	33000	30000			34000			
6	32500	29000	22000		34000	29000		
6.5	31500	27500	21000		33500	28000		
7	30000	26000	20000		29000	27000		
7.5	26500	25000	19500		25500	26000	19000	
8	23500	24500	19000	16000	23000	23500	19000	
9	19000	20000	17500	15000	18500	19000	18500	14500
10	16000	16800	15900	14000	15300	16000	16600	14000
11	13600	14300	14600	13000	13000	13800	14200	13000
12	11700	12400	12800	12000	11100	11800	12300	12500
14	8800	9500	9900	10000	8200	8900	9400	9700
16	6700	7400	7800	8100	6100	6800	7300	7600
18		5800	6200	6500	4600	5300	5800	6100
20		4700	5000	5300	3400	4100	4600	4900
22		3700	4100	4400		3200	3600	3900
24			3300	3600		2400	2900	3100
26			2700	2900		1800	2200	2500
28			2200	2400			1700	2000
30				1900			1200	1500
32				1500				1100
34				1200				
Parts of line	6	5	4	3	6	5	3	3
Cylinder I (%)	0	0	0	0	50	50	50	50
Cylinder II(%)	25	50	75	100	25	50	75	100

LOAD CHARTS, SWINGAWAY BOOM EXTENSION

Counterweight:3T

Boom Angle (°)	Main Boom Fully Extended + Swingaway Boom Extension, Outriggers 100% Extended, Over Side and Rear, Counterweight:3T (Unit):kg					
	49.5m+10.2m			49.5m+17.5m		
	0°	15°	30°	0°	15°	30°
80	5500	3800	3300	3300	2200	1500
78	5200	3700	3100	3200	2100	1400
76	5000	3600	2900	3100	2000	1400
74	4800	3500	2700	2900	2000	1400
72	4000	3300	2700	2700	1900	1300
70	3100	3000	2600	2000	1700	1300
68	2500	2400	2200	1750	1500	1300
66	1900	1800	1700	1300	1100	1000
64	1450	1300	1250	950	800	750
62	1150	950	900	600	500	500
60	750	650	600			

Counterweight:5.5T

Boom Angle (°)	Main Boom Fully Extended + Swingaway Boom Extension, Outriggers 100% Extended, Over Side and Rear,Counterweight:5.5T (Unit):kg					
	49.5m+10.2m			49.5m+17.5m		
	0°	15°	30°	0°	15°	30°
80	5500	3800	3300	3300	2200	1500
78	5200	3700	3100	3200	2100	1400
76	5000	3600	2900	3100	2000	1400
74	4800	3500	2700	2900	2000	1400
72	4300	3300	2700	2800	1900	1300
70	3700	3100	2600	2650	1700	1300
68	3000	2600	2500	2150	1600	1300
66	2400	2100	2050	1650	1400	1200
64	1950	1700	1650	1250	1100	1050
62	1400	1300	1300	950	800	800
60	1050	1000	1000	650	550	550
58	750	700	700			

Counterweight:10T

Boom Angle (°)	Main Boom Fully Extended + Swingaway Boom Extension, Outriggers 100% Extended, Over Side and Rear, Counterweight:10T (Unit):kg					
	49.5m+10.2m			49.5m+17.5m		
	0°	15°	30°	0°	15°	30°
80	5500	3800	3300	3300	2200	1500
78	5200	3700	3100	3200	2100	1400
76	5000	3600	2900	3100	2000	1400
74	4800	3500	2700	2900	2000	1400
72	4300	3300	2700	2800	1900	1300
70	4000	3100	2600	2700	1700	1300
68	3800	3000	2500	2500	1600	1300
66	3350	2900	2400	2300	1500	1200
64	2750	2500	2300	2050	1500	1200
62	2300	2100	2000	1650	1450	1100
60	1900	1750	1650	1350	1200	1000
58	1500	1400	1350	1050	950	950
56	1200	1100	1050	800	750	750
54	900	800	800	500		
52	650	600	600			

Counterweight:15T

Boom Angle (°)	Main Boom Fully Extended + Swingaway Boom Extension, Outriggers 100% Extended, Over Side and Rear, Counterweight:15T (Unit):kg					
	49.5m+10.2m			49.5m+17.5m		
	0°	15°	30°	0°	15°	30°
80	5500	3800	3300	3300	2200	1500
78	5200	3700	3100	3200	2100	1400
76	5000	3600	2900	3100	2000	1400
74	4800	3500	2700	2900	2000	1400
72	4300	3300	2700	2800	1900	1300
70	4000	3100	2600	2700	1700	1300
68	3800	3000	2500	2500	1600	1300
66	3600	2900	2400	2300	1500	1200
64	3300	2700	2300	2100	1500	1200
62	2900	2500	2200	1900	1500	1100
60	2500	2300	2000	1750	1400	1000
58	2300	2150	1850	1700	1400	1000
56	2100	2000	1700	1600	1300	1000
54	1800	1700	1600	1450	1200	950
52	1550	1450	1400	1300	1150	900
50	1300	1250	1200	1050	950	850
48	1100	1050	1000	850	800	800
46	900	850	800	700	650	650
44	750	700	700			

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www.sanyglobal.com

 **SANY Automobile Hoisting Machinery Co., Ltd.**

No.168, Jinzhou Avenue, Jinzhou Development Zone, Changsha, Hunan, China

Tel: 0086-4006098318

Email: crd@sany.com.cn

Website: www.sanyglobal.com

