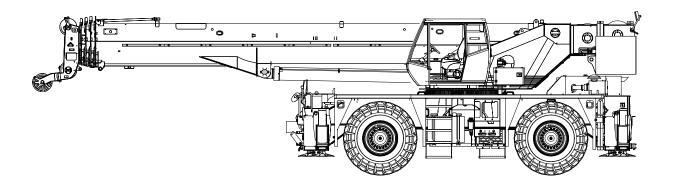


# **Load Charts Manual**

# **SRC900T Rough Terrain Crane**





## **LOAD CHARTS MANUAL**

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Load Charts Manual	SRC900T RT Crane



#### **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 or tires 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) Tires shall be inflated to the recommended pressure before lifting on tires.
- 4) Axle lockouts shall be operating properly before lifting over the side of the crane.
- 5) Unless approved by Sany, do not travel with boom extension erected.

#### Operation

- 1) Rated loads at rated radius shall not be exceeded. Do not attempt to tip the machine to determine allowable loads. For clamshell, grapple, magnet or concrete bucket operation, total weight of component and load must not exceed 80% of rated lifting capacities.
- 2) All rated loads have been tested to and meet the ISO4305 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. Capacities on tires correspond to (Test Load = 1.33P + 0.1F). Capacities on creep correspond to (Test Load = 1.5P + 0.1F).
- 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, traveling with loads, electric wires, obstacles, hazardous conditions, etc. Side pull on boom or jib is extremely dangerous.
- 11) Regardless of outrigger spread configuration, 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) When operating with the Outriggers in the 50% Extended Mode, the outrigger beam pins must be engaged. When operating in the On Outriggers 0% Extended Mode, the outrigger beams must be fully retracted. Failure to comply could result in structural damage or loss of stability of the crane.
- 16) 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) Working Area: Areas measured in a circular arc about the center line of rotation as shown on the working area diagram.
- 4) Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist cable.
- 5) Side Load: Horizontal force applied to the lifted load either on the ground or in the air.
- 6) 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.



Counterweight	
Type	Weight
Standard	9500 kg fixed counterweight

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	Weight (kg)					
90 (Optional)	6	12	800					
75	6	12	780					
8	0	1	160					

Hoist and Wire Rope								
Item	Max.single rope lifting	Rope diameter/length	Max. single line pull					
	speed (empty load)							
Main hoist	150 m/min	20mm/250m	9.1t					
Auxilary hoist	150 m/min	20mm/145m	9.1t					

Wind Speed Restrictions						
If the wind speed is: Rated lifted capacities must be reduced by at least:						
0-32 km/h (0-20mph) Normal lifting operations (see load chart)						
33-47 km/h (21-29mph) 40%						
48 km/h (30mph) or	Crane operation must be shutdown and the boom retracted and					
greater	lowered to horizontal					
Additional reductions are required for loads with large wind sail area.  These restrictions are based on crane on fully extended outriggers.						

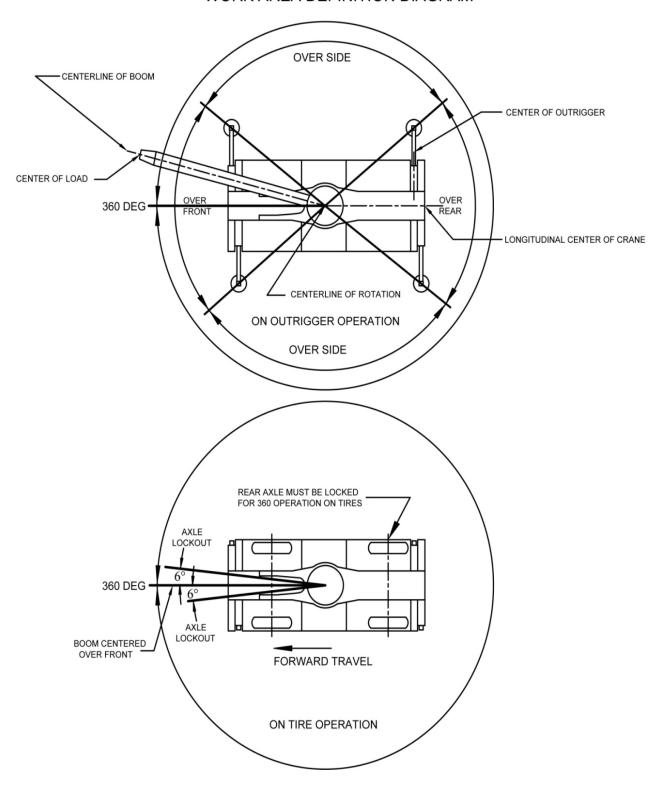
## **A** WARNING

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



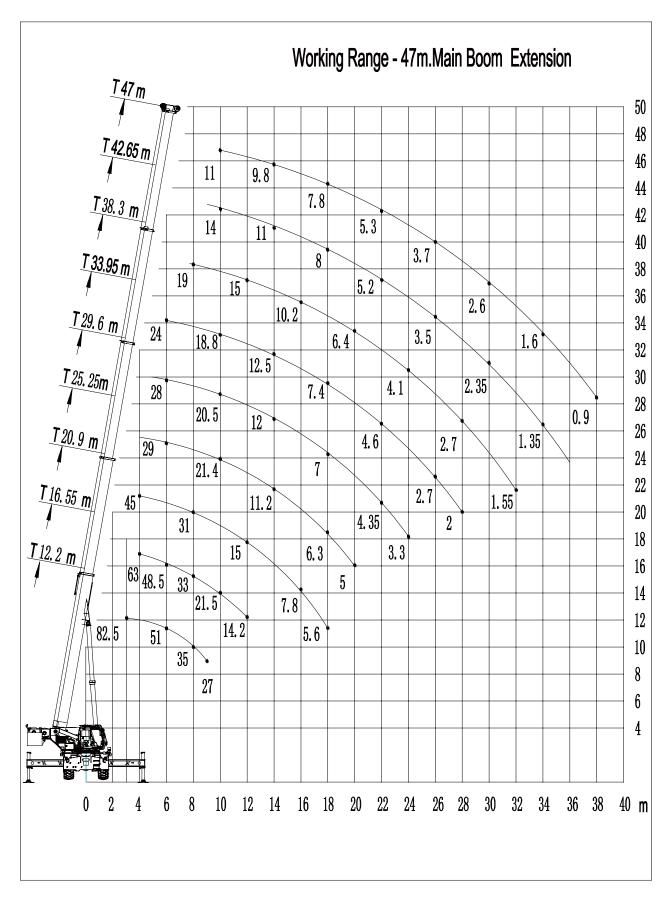
## **Working Area Diagram**

#### WORK AREA DEFINITION DIAGRAM





## **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 working.
- 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 extend the center front stabilizer when operating the boom at 360 degree area.
- 5 When actual boom length and working radius are between 2 values, select lifting capacity according to the longer boom length and radius.
- 6. Capacities are applicable at 6.5 bar cold tire inflation pressure.
- 7.On tire lifting with the swingaway boom extension is not permitted.
- 8.For travel with load operation, boom must be centered over the front of the machine with the swing lock engaged and the load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds. Especially avoid any abrupt steering, accelerating or braking.
- 9. Axle lockouts must be functioning when lifting on tires.
- 10.Parking brake must be applied when lifting on tires.



### **Load Chart**

#### **Main Boom**

### Outriggers 100% Extended, 360°

Boom (m)	Load Chart, Main Boom, Outriggers 100% Extended, 360° Unit: (t)							
Radius (m)	12.2	16.5	20.9	20.9	25.2	25.2	29.6	29.6
2.5	90.0							
3.0	83.0	55.0						
3.5	75.0	55.0		28.0				
4.0	68.0	54.0	45.0	28.0				
4.5	63.0	53.0	45.0	28.0		25.0		
5.0	58.0	52.0	43.0	27.0	28.0	25.0	28.0	
5.5	53.0	50.0	41.0	26.0	28.0	24.0	28.0	24.0
6.0	50.0	47.0	39.0	25.0	28.0	23.0	28.0	24.0
6.5	46.0	43.0	37.0	24.0	27.0	22.0	27.0	23.0
7.0	42.0	39.5	35.0	23.0	25.0	21.0	25.5	22.0
8.0	35.0	33.0	31.0	22.0	23.0	19.0	23.0	21.0
9.0	27.5	27.0	26.0	21.0	20.5	18.0	21.0	19.5
10.0		21.5	22.0	20.0	18.5	17.0	19.5	18.0
11.0		17.7	17.3	19.0	17.5	16.3	17.5	17.0
12.0		14.9	14.5	17.3	15.5	15.5	15.3	15.0
14.0		10.8	10.5	13.1	12.4	13.0	12.0	12.0
16.0			7.7	10.2	9.6	10.6	9.2	9.9
18.0			5.7	8.1	7.5	8.5	7.1	7.8
20.0					5.9	6.9	5.6	6.3
22.0					4.7	5.7	4.4	5.1
24.0							3.4	4.1
26.0							2.6	3.3
Parts of Line	12.0	10.0	8.0	6.0	6.0	6.0	6.0	5.0
Cylinder	I, II	I	I	II	I, II	II	I, II	I, II
Tele 1	0%	50%	100%	0%	50%	0%	100%	50%
Tele 2	0%	0%	0%	33%	33%	50%	33%	50%
Tele 3	0%	0%	0%	33%	33%	50%	33%	50%
Tele 4	0%	0%	0%	33%	33%	50%	33%	50%



Boom (m)	Loa	d Chart, Mair	n Boom, Out	riggers 100%	Extended, 3	60° Unit:	(t)
Radius (m)	29.6	33.9	33.9	38.3	38.3	42.6	47.0
5.5	19.0						
6.0	19.0	24.0					
6.5	19.0	23.0	18.0				
7.0	18.0	22.0	18.0	18.0	15.0		
8.0	17.0	21.0	18.0	18.0	15.0		
9.0	17.0	20.0	17.0	17.0	14.0	14.0	
10.0	16.0	18.5	17.0	17.0	13.0	13.5	11.5
11.0	15.5	17.0	16.0	15.5	12.0	12.5	11.5
12.0	14.5	15.0	15.0	14.5	11.0	11.5	11.5
14.0	12.7	11.7	11.5	11.5	9.5	10.3	10.3
16.0	10.8	9.5	9.7	9.5	8.5	9.3	9.1
18.0	8.8	7.5	8.2	7.8	7.7	8.2	7.9
20.0	7.2	5.9	6.6	6.3	7.0	7.1	6.7
22.0	6.0	4.7	5.4	5.1	6.3	5.9	5.5
24.0	5.0	3.7	4.4	4.1	5.3	4.9	4.5
26.0	4.2	2.9	3.6	3.3	4.5	4.1	3.7
28.0		2.2	2.9	2.7	3.8	3.4	3.1
30.0		1.7	2.3	2.1	3.2	2.8	2.5
32.0				1.6	2.7	2.3	2.0
34.0				1.2	2.3	1.9	1.6
36.0						1.5	1.2
38.0						1.2	0.9
Parts of Line	5.0	5.0	4.0	4.0	3.0	3.0	3.0
Cylinder	II	I, II	I, II	I, II	II	I, II	I, II
Tele 1	0%	100%	50%	100%	0%	50%	100%
Tele 2	67%	50%	67%	67%	100%	100%	100%
Tele 3	67%	50%	67%	67%	100%	100%	100%
Tele 4	67%	50%	67%	67%	100%	100%	100%



## Outriggers 50% Extended, 360°

Boom (m)	Load Chart, Main Boom, Outriggers 50% Extended, 360° Unit: (t)							
(m)	12.2	16.5	20.9	20.9	25.2	25.2	29.6	29.6
2.5	90.0							
3.0	83.0	55.0						
3.5	75.0	55.0		28.0				
4.0	68.0	54.0	45.0	28.0				
4.5	58.6	53.0	45.0	28.0		25.0		
5.0	45.2	44.0	43.0	27.0	28.0	25.0	28.0	
5.5	36.5	35.5	35.2	26.0	28.0	24.0	28.0	24.0
6.0	30.3	29.5	29.1	25.0	28.0	23.0	28.0	24.0
6.5	25.7	25.0	24.6	24.0	27.0	22.0	26.3	23.0
7.0	22.2	21.5	21.1	23.0	23.2	21.0	22.8	22.0
8.0	17.1	16.5	16.1	18.7	18.0	19.0	17.7	18.5
9.0	13.6	13.0	12.7	15.1	14.5	15.5	14.1	15.0
10.0		10.5	10.2	12.5	12.0	12.9	11.6	12.4
11.0		8.6	8.3	10.5	10.0	10.9	9.6	10.4
12.0		7.1	6.8	9.0	8.5	9.3	8.1	8.8
14.0		4.9	4.6	6.7	6.2	7.0	5.9	6.5
16.0			3.1	5.1	4.6	5.4	4.3	4.9
18.0			1.9	3.9	3.4	4.2	3.1	3.7
20.0					2.5	3.3	2.2	2.8
22.0					1.8	2.6	1.5	2.1
24.0								1.6
Parts of Line	12.0	10.0	8.0	6.0	6.0	6.0	6.0	5.0
Cylinder	I, II	I	I	II	I, II	II	I, II	I, II
Tele 1	0%	50%	100%	0%	50%	0%	100%	50%
Tele 2	0%	0%	0%	33%	33%	50%	33%	50%
Tele 3	0%	0%	0%	33%	33%	50%	33%	50%
Tele 4	0%	0%	0%	33%	33%	50%	33%	50%



Boom (m)	Load Chart, Main Boom, Outriggers 50% Extended, 360° Unit: (t)						
(m)	29.6	33.9	33.9	38.3	38.3	42.6	47.0
5.0							
5.5	19.0						
6.0	19.0	24.0					
6.5	19.0	23.0	18.0				
7.0	18.0	22.0	18.0	18.0	15.0		
8.0	17.0	18.2	18.0	18.0	15.0		
9.0	15.8	14.6	15.3	15.0	14.0	14.0	
10.0	13.2	12.0	12.7	12.4	13.0	13.2	11.5
11.0	11.2	10.0	10.7	10.4	11.6	11.2	10.8
12.0	9.6	8.4	9.1	8.8	10.0	9.5	9.2
14.0	7.3	6.2	6.8	6.5	7.7	7.2	6.9
16.0	5.6	4.6	5.2	4.9	6.0	5.6	5.3
18.0	4.4	3.4	4.0	3.7	4.7	4.4	4.1
20.0	3.5	2.5	3.1	2.8	3.8	3.5	3.2
22.0	2.8	1.8	2.4	2.1	3.1	2.8	2.5
24.0	2.2	1.3	1.8	1.5	2.5	2.2	1.9
26.0	1.7		1.3		2.0	1.7	1.4
28.0					1.6	1.3	
Parts of Line	5.0	5.0	4.0	4.0	3.0	3.0	3.0
Cylinder	II	I, II	I, II	I, II	II	I, II	I, II
Tele 1	0%	100%	50%	100%	0%	50%	100%
Tele 2	67%	50%	67%	67%	100%	100%	100%
Tele 3	67%	50%	67%	67%	100%	100%	100%
Tele 4	67%	50%	67%	67%	100%	100%	100%



## Outriggers 0% Extended, 360°

Boom (m)	Load Chart, Main Boom, Outriggers 0% Extended, 360° Unit: (t)							
Radius (m)	12.2	16.5	20.9	20.9	25.2	25.2	29.6	29.6
2.5	81.0							
3.0	51.0	50.5						
3.5	37.0	36.2		28.0				
4.0	28.7	28.0	27.7	28.0				
4.5	23.0	22.4	22.1	24.6		25.0		
5.0	19.0	18.4	18.1	20.5	19.8	21.0	19.7	
5.5	16.0	15.4	15.1	17.4	16.8	18.0	16.6	17.5
6.0	13.7	13.1	12.8	15.0	14.5	15.5	14.2	15.0
6.5	11.8	11.3	11.0	13.1	12.6	13.6	12.3	13.0
7.0	10.3	9.8	9.5	11.5	11.1	12.0	10.7	11.5
8.0	8.0	7.5	7.2	9.2	8.7	9.6	8.4	9.1
9.0	6.3	5.8	5.5	7.4	7.0	7.8	6.6	7.4
10.0		4.5	4.2	6.1	5.7	6.4	5.3	6.0
11.0		3.5	3.2	5.1	4.6	5.4	4.3	5.0
12.0		2.7	2.4	4.2	3.8	4.5	3.5	4.1
14.0		1.4	1.2	2.9	2.5	3.2	2.2	2.8
16.0				2.0	1.6	2.3	1.3	1.9
18.0				1.3		1.6		1.2
20.0								
Parts of Line	12.0	10.0	8.0	6.0	6.0	6.0	6.0	5.0
Cylinder	I, II	I	I	II	I, II	II	I, II	I, II
Tele 1	0%	50%	100%	0%	50%	0%	100%	50%
Tele 2	0%	0%	0%	33%	33%	50%	33%	50%
Tele 3	0%	0%	0%	33%	33%	50%	33%	50%
Tele 4	0%	0%	0%	33%	33%	50%	33%	50%



Boom (m)	Lo	oad Chart, Ma	ain Boom, Ou	itriggers 0% I	Extended, 36	0° Unit: (	t)
Radius (m)	29.6	33.9	33.9	38.3	38.3	42.6	47.0
5.0							
5.5	18.3						
6.0	15.8	14.7					
6.5	13.9	12.8	13.5				
7.0	12.3	11.2	11.9	11.5	12.7		
8.0	9.9	8.8	9.5	9.1	10.3		
9.0	8.1	7.1	7.7	7.4	8.5	8.1	
10.0	6.7	5.7	6.3	6.0	7.1	6.7	6.4
11.0	5.7	4.7	5.3	5.0	6.0	5.7	5.4
12.0	4.8	3.8	4.4	4.1	5.1	4.8	4.5
14.0	3.5	2.5	3.1	2.8	3.8	3.5	3.2
16.0	2.5	1.6	2.2	1.9	2.8	2.5	2.2
18.0	1.8		1.5	1.2	2.1	1.8	1.5
20.0	1.2				1.5	1.2	
Parts of Line	5.0	5.0	4.0	4.0	3.0	3.0	3.0
Cylinder	II	I, II	I, II	I, II	II	I, II	I, II
Tele 1	0%	100%	50%	100%	0%	50%	100%
Tele 2	67%	50%	67%	67%	100%	100%	100%
Tele 3	67%	50%	67%	67%	100%	100%	100%
Tele 4	67%	50%	67%	67%	100%	100%	100%



#### Travel with Load (≤4 km/h), Center Front

Boom (m) Radius	Load Char	t, Main Boom, Tra	avel with Load(4 k	m/h), Center Front	t Unit:(t)
(m)	12.2	16.5	20.9	25.2	29.6
4.0	20.1				
4.5	18				
5.0	16.1	16.1			
5.5	14.5	14.6			
6.0	13.1	13.3	14		
6.5	11.9	12.2	12.8		
7.0	10.8	11.2	11.7	11	10
8.0	9	9.4	10	9.9	10
9.0	7.5	8	8.5	8.6	8.7
10.0		6.7	7.1	7.5	7.7
11.0		5.6	6	6.5	6.8
12.0		4.7	5.1	5.8	6.2
14.0			3.7	4.5	4.8
16.0			2.8	3.7	3.8
18.0			2.1	2.7	2.8
20.0				1.9	2.1
22.0				1.2	1.4
Cylinder	I, II	II	II	II	II
Tele 1	0%	0%	0%	0%	0%
Tele 2	0%	17%	33%	50%	67%
Tele 3	0%	17%	33%	50%	67%
Tele 4	0%	17%	33%	50%	67%
Min. boom angle	0°	0°	30°	36°	43°
Parts of Line	4	4	4	3	3

**WARNING:** Full outriggers and counterweight 9500kg must be installed. Failure to do this may cause the crane tip over.



### Stationary and on Tires ,360°

Boom (m) Radius	Load Chart, Main Boom, Stationary and on Tires ,360° Unit:(t)					
(m)	12.2	16.5	20.9	25.2	29.6	
4.0	15.5					
4.5	12.9					
5.0	10.4	10.7				
5.5	8.9	9.1				
6.0	7.6	7.9	8.2			
6.5	6.3	6.9	7.1	7.3		
7.0	5.5	6	6.3	6.4	6.5	
8.0	4.1	4.6	4.9	5.1	5.2	
9.0	3	3.6	3.9	4.1	4.2	
10.0		2.8	3.1	3.3	3.4	
11.0		2.1	2.4	2.6	2.7	
12.0		1.5	1.8	2	2.1	
14.0				1.2	1.3	
Cylinder	I, II	II	II	II	II	
Tele 1	0%	0%	0%	0%	0%	
Tele 2	0%	17%	33%	50%	67%	
Tele 3	0%	17%	33%	50%	67%	
Tele 4	0%	17%	33%	50%	67%	
Min. boom angle	0°	30°	46°	48°	51°	
Parts of Line	6	4	4	4	4	

**WARNING:** Full outriggers and counterweight 9500kg must be installed. Failure to do this may cause the crane tip over.



#### Stationary and on Tires, Center Front

Boom (m) Radius	Load Chart, Main Boom, Stationary and on Tires, Center Front Unit:(t)					
(m)	12.2	16.5	20.9	25.2	29.6	
4.0	22.11					
4.5	19.8					
5.0	17.71	16.9				
5.5	15.95	15.4				
6.0	14.41	14.1	14.9			
6.5	13.09	12.9	13.5			
7.0	11.88	11.9	12.4	12.0	10	
8.0	9.9	9.7	10.6	10.5	10	
9.0	8.3	8.3	9.0	9.0	9.1	
10.0		7	7.6	7.8	8.1	
11.0		5.9	6.5	6.7	7.1	
12.0		5	5.5	6.0	6.5	
14.0			4.0	4.7	5	
16.0			3.0	3.8	4	
18.0			2.2	2.8	3	
20.0				2.0	2.3	
22.0				1.3	1.6	
24.0					1.1	
Cylinder	I, II	II	II	II	II	
Tele 1	0%	0%	0%	0%	0%	
Tele 2	0%	17%	33%	50%	67%	
Tele 3	0%	17%	33%	50%	67%	
Tele 4	0%	17%	33%	50%	67%	
Min. boom angle	0°	0°	30°	36°	41°	
Parts of Line	6	4	4	4	4	

**WARNING:** Full outriggers and counterweight 9500kg must be installed. Failure to do this may cause the crane tip over.



## **Swingaway Boom Extension**

Load Chart, Main Boom Fully Extended + Swingsway Boom Extension, Outriggers 100% Extended, 360°

Load Chart, Main Boom Fully Extended + Swingsway Boom Extension, Outriggers 100% Extended, 360°							
31.5 + 10.5(m)							
Radius	0	٥	20	)°	40	0	
(m)	Boom Angle (°)	Load (t)	Boom Angle (°)	Load (t)	Boom Angle (°)	Load (t)	
12	76.6	6	80.1	5			
14	74.5	6	78.0	4.8	80.9	4.4	
16	72.4	5.8	75.9	4.6	78.8	4.3	
18	70.3	5.5	73.8	4.3	76.6	4.2	
20	68.2	5	71.6	4.1	74.3	4.1	
22	66.0	4.5	69.4	3.8	72.1	3.9	
24	63.8	3.7	67.2	3.6	69.8	3.7	
26	61.5	3.1	64.9	3.2	67.4	3.3	
28	59.2	2.5	62.5	2.8	65.0	2.9	
30	56.8	2	60.1	2.3	62.5	2.5	
32	54.4	1.6	57.6	1.8	59.9	2.05	
34	51.9	1.2	55.1	1.4	57.2	1.6	
36	49.2	1	52.4	1.1	54.5	1.2	
Parts of Line	1						



Load Chart, Main Boom Fully Extended + Swingsway Boom Extension, Outriggers 100% Extended, 360°									
	31.5 + 10.5(m)								
Radius	0		20		-	0°			
(m)	Boom Angle (°)	Load (t)	Boom Angle (°)	Load (t)	Boom Angle (°)	Load (t)			
12	78.2	3.8							
14	76.3	3.5							
16	74.5	3.2	79.8	2.6					
18	72.7	3	78.0	2.6					
20	70.8	2.9	76.1	2.5	80.6	2.1			
22	68.9	2.8	74.2	2.4	78.6	2.1			
24	67.0	2.7	72.2	2.3	76.6	2.1			
26	65.1	2.6	70.3	2.2	74.5	2			
28	63.1	2.4	68.3	2.1	72.4	1.9			
30	61.1	2.2	66.2	2	70.3	1.8			
32	59.0	1.9	64.1	1.9	68.1	1.7			
34	56.9	1.6	62.0	1.7	65.9	1.6			
36	54.8	1.3	59.8	1.6	63.6	1.5			
38	52.6	1	57.6	1.4	61.2	1.4			
40			55.3	1.1	58.7	1.3			
42					56.1	1.1			
Parts of Line			1						

**WARNING**: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.

#### **NOTES:**

- 1. The capacities listed are with the outriggers fully extended and vertical jacks properly set only.
- 2. The swingaway boom extension may only be used for single line lifting service.
- 3.Use only the load which corresponds to the boom extension length and offset angle as the machine is configured.
- 4. For boom angles not shown, use the rating of the next lower boom angle.
- 5. The boom angle is defined as the angle above or below the horizontal line of the longitudinal axis of the boom base section after lifting the rated load.
- 6. When lifting over the main boom nose with the boom extension erected, the outriggers must be fully extended and the proper load reduction must be used.
- 7.Do not lower the boom below the minimum boom angle with the extension erected. Fully retract the boom to lower the boom below the minimum boom angle.



Load Charts Manual	SRC900T RT Crane





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