

SANY ROUGH-TERRAIN CRANE SRC 550H



SANY

Quality Changes the World



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TECHNICAL PARAMETERS

Type	Item	Unit	Parameter	Type	Item	Unit	Parameter	
Dimensional parameters	Overall length	mm	14000	Quality parameter	Overall weight	kg	44420	
	Overall width	mm	3300		Load of front axle	kg	24580	
	Overall height	mm	3760		Load of rear axle	kg	19840	
	Axle distance	mm	4000		Model of engine	Cummins QSB6.7		
	Wheel distance	mm	2502		Rated engine power	kw/rpm	189/2500	
Travelling parameters	Max. traveling speed	km/h	40		Rated engine torque	N.m/rpm	987/1500	
	Min. turning radius (2 wheels/4 wheels)	m	12.3/6.7		Reference standard of emission	Tier 3		
	Min. ground clearance	mm	350		Max. rated lifting capacity	t	55	
	Approach angle	°	23		Min. rated amplitude	m	3	
	Departure angle	°	20		Max. lifting moment	Base arm	kNm	1789
	Braking distance (20km/h)	m	6.5			Fully extended boom	kNm	841
	Max. gradeability	%	75		Span of outrigger (transversal X longitudinal)	m	7.2 x 7.2	
	Oil consumption/ 100km	L	60		Base boom	m	13.3	
Operating speed parameters	Max. lifting speed of single rope of main winch (no load)	m/min	150		Lifting height	Fully extended boom	m	43.8
	Max. lifting speed of single rope of auxiliary winch (no load)	m/min	150		Fully extended boom + jib	m	60.1	
	Full extension/retraction time of boom	s	120/100		Basic boom	m	11.5	
	Raising/dropping time of boom	s	75/55		Length of boom	Fully extended boom	m	42.5
	Max. slewing speed	r/min	2.6			Fully extended boom + jib	m	58.5
	Full extension/retraction time of horizontal outrigger	s	35/30		Jib offset	°	0/15/30	
	Full extension/retraction time of supporting cylinder	s	40/35					

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LOAD CHART FOR MAIN BOOM

(Unit : Kg)

Radius (m)	On fully extended outriggers 7.2m , 360°						
	11.5	15.4	19.25	27	34.75	38.62	42.5
3	55000	40000	32000				
3.5	50000	40000	32000				
4	42800	40000	32000				
4.5	40000	36000	31000	21000			
5	36500	33200	29000	21000			
5.5	32000	30000	27500	21000			
6	27700	27500	25700	21000	14000		
6.5	25000	25500	23900	19500	14000		
7	22500	23200	21500	18000	14000	11500	
7.5	21400	21200	18600	16800	13500	11500	
8	19000	19500	16800	15800	12700	11000	9000
9	15300	15000	13500	14000	11700	10500	8500
10		11700	10300	12000	10700	10000	8500
11		9500	8700	9900	8900	9000	7800
12		7700	7200	8300	8300	8000	7000
14			4900	5900	6200	6300	6000
16			3400	4300	4700	4900	5200
18				3100	3600	3800	4200
20				2200	2800	2900	3100
22				1600	1900	2200	2500
24				1100	1500	1700	1800
26					1000	1200	1350
28					910	1000	1085
30					720	810	885
32							720
Min. elevation	/	/	/	/	20°	35°	38°
Number of lines	10	10	8	6	4	4	3

① The values of lifting capacities in the table are the maximum lifting capacities that can be ensured by the crane on a even and solid ground; the values above the thick line in the table are dependent on the strength of crane, and the values below the thick line is dependent on the stability of crane.

② The lifting capacities in the table include the weight of lifting hooks and lifting appliances.

③ The operating range in the table is the actual value including the distortion of lifting arm.

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LOAD CHART FOR JIB

(Unit : Kg)

Angle	42.5m+9.2m Jib offset			42.5m+16m Jib offset		
	0°	15°	30°	0°	15°	30°
78°	3500	2400	2000	2400	1450	1000
77°	3200	2300	1900	2400	1400	1000
75°	3000	2200	1800	2300	1300	950
73°	2700	2000	1700	2000	1200	850
71°	2500	1800	1600	1800	1100	850
68°	2200	1700	1400	1500	1000	800
66°	2000	1500	1300	1300	950	760
63°	1800	1400	1100	1100	850	720
61°	1500	1200	950	950	750	650
58°	1100	950	750	650	600	550
56°	700	650	550	500		
Min. elevation	55°					

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② The lifting capacities in the table include the weight of lifting hooks and lifting appliances.