

SY135C

Sany 15T Excavator



Technical specifications

Specifications	
Total weight	13500kg
Bucket capacity	0.6m³

Engine	
Model	4J11X
Type	Four-stroke, water-cooled, dual-overhead camshaft, electronically-controlled high-pressure common-rail injection system, supercharged, intercooled
Rated power	73kW/2000rpm
Maximum torque	365Nm/1600rpm
Displacement	2.999L

Capacity of oil and coolant	
Fuel tank	240L
Hydraulic oil tank	150L
Engine oil	15L
Radiator	10L
Final drive	2×2.6L
Slewing drive	3L

Main performance	
Traveling speed (high/low)	5.5/3.3(km/h)
Slewing speed	12 rpm
Gradeability	70% (35°)
Ground pressure	37.7kPa
Digging force of bucket	92.7kN
Digging force of bucket rod	66.13kN

Traveling section	
Number of crawler plates	44
Carrier wheel on each side	1
Thrust wheel on each side	7
Standard crawler	500mm

Lifting capacity

Boom--- 4600mm		Bucket rod-- 2500mm				Crawler--- 500mm				Counter weight- 2500Kg										
Height of loading point (B) m		Radius of loading point (A)												Maximum distance						
		2.0m		3.0m		4.0m		5.0m		6.0m		7.0m		Loading capacity Distance						
		Longitudinal	Transverse	Longitudinal	Transverse	Longitudinal	Transverse	Longitudinal	Transverse	Longitudinal	Transverse	Longitudinal	Transverse	Longitudinal	Transverse					
																		m		
7m	Kg					*3200	*3200											*2550	*2550	4.25
6m	Kg							*3150	*3150									*2250	*2250	5.34
5m	Kg							*3500	*3500	*2400	*2400							*2100	*2100	6.07
4m	Kg					*3950	*3950	*3700	3550	*3550	2700							*2050	*2050	6.56
3m	Kg			*5800	*5800	*4650	*4650	*4050	3450	*3700	2650							*2050	*2050	6.88
2m	Kg			*7500	6900	*5450	4550	*4500	3350	3900	2600	*2300	2100					*2100	2100	7.03
1m	Kg			*6800	6600	*6150	4400	*4900	3250	3850	2550	*2450	2050					*2200	2050	7.04
地面	Kg	*4550	*4550	*6750	6450	*6500	4250	4900	3150	3800	2500							*2350	2100	6.90
-1m	Kg	*6900	*6900	*8450	6400	*6550	4200	4850	3100	3750	2450							*2600	2200	6.61
-2m	Kg	*9600	*9600	*8150	6400	*6300	4200	4850	3100	3750	2500							*3050	2400	6.14
-3m	Kg			*7200	6450	*5600	4250	*4350	3150									*3750	2850	5.44
-4m	Kg			*5500	*5500	*4150	*4150											*3550	*3550	4.40

1. The lifting capacity is calculated in accordance with ISO10560 and SAEJ1097, where limit coefficient of hydraulic system is 0.87 and tilting limit coefficient is 0.75;

2. The item with the mark * is limited by hydraulic pressure and the item without the mark "*" is limited by stability;

3. Lifting point is front support hole of bucket rod (excluding the weight of bucket). It is necessary to deduct from the above lifting capacity if additional accessory is installed such as bucket etc.:

Operating range	(Unit: mm)
a. Maximum digging height	6685
b. Maximum unloading height	6180
c. Maximum digging depth	5510
d. Maximum digging depth with vertical boom	4890
e. Maximum digging distance	8290
f. Minimum slewing radius	2500
g. Maximum height at minimum slewing radius	6500

Overall dimensions	(Unit: mm)
A. Overall length (in transportation state)	7700
Overall width (in transportation state /in operation state)	2550
C. Overall height (in transportation state)	2815
D. Upper width	2490
E. Total height to the cab top	2740
F. Width of standard crawler plate	500
Track gauge (in transportation state / in operation state)	1990
H. Minimum ground clearance	425
I. Slewing radius of tail	2240
J. Ground contact length of crawler	2930
K. Crawler length	3665

Performance parameters	
Performance parameters	13500
Bucket capacity m3	0.55
Rated power, kW/rpm	73/2000
Traveling speed (high/low), km/h	5.5/3.5
Slewing speed rpm	12
Gradeability	70%/35°
Ground pressure, kPa	41.7
Digging force of bucket, kN	92.7
Digging force of bucket rod, kN	66.13

