

- ISUZU 4JJ1X Engine

- 15100kg Operating Weight
- Bucket Digging Force 24.3kN - 5,418lb



The SANY SY135C resoundingly proves that the performance of an excavator is not necessarily determined by bulky size. Weighing in at just over 15t, it offer the optimum ratio of power and manoeuvrability. In addition, the robust, wide heavy duty undercarriage and robust dozer blade provide a high level of stability. This allows it to optimally apply its power to a comprehensive range of applications anywhere a larger machine is unable to access. The joystick control enables all functions of the excavator to be operated intuitively. The hydraulic valve control responds to commands immediately. Together with the automatic speed setting, this enables work to be carried out precisely and safely with higher efficiency and lower fuel consumption for the same operation

# SPECIFICATIONS

## SANY SY135C

### ENGINE

Model	ISUZU 4JJ1X
Typ	Water-cooled, 4 cylinder, with commonrail and Adblue
Exhaust emissions	Stage IV
Rated power	78.5 kW / 2 000 rpm
Max. torque	375 Nm / 1 600 rpm
Displacement	2 999 ccm
Batteries	2 x 12V / 120 Ah

### SERVICE REFILL CAPACITIES

Fuel tank	245 l
Engine coolant	23.6 l
Engine oil	15 l
Drive (per side)	1.8 l
Adblue	20 l
Hydraulic oil tank	140 l

### PERFORMANCE

Swingspeed	12 rpm
Max. travel speed	High 5.3 km/h, slow 3.1 km/h
Max. travel force	114 kN
Gradeability	35°
Bucket capacity	0.6 m³
Groundpressure	0.39 kg/cm²
Bucket digging force ISO	103 kN
Arm digging force ISO	67 kN

### OPERATING MASS

SY135C	15100kg
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### RELIEF VALVE SETTINGS

Implement circuit	343 bar
Swing circuit	250 bar
Travel circuit	343 bar
Pilot pressure	39 bar

### HYDRAULIC SYSTEM

Mainpump	2 x variable-piston-pump with electronic positive control
Max. oilflow	2 x 110 l/min
Travelmotor	2 speed axial piston motor with planetary reducer and automatic multi-disc brake
Swingmotor	Axial piston motor with planetary reducer and automatic holding brake
Max. oilflow (AUX1)	110 l/min

### UNDER AND UPPER STRUCTURE

Boom length	4 600 mm
Arm length	2 500 mm
Bottomrollers	7
Toprollers	1
Rotation device	Planetary gear reducer driven by an axial piston motor, automatic hydraulic released slewing brake

### LIFTING CAPACITIES OF LOWER AND UPPER DOZER BLADE \*

Load point height	Radius								Digging reach Maximal	
	2.0 m / 6.6 ft	3.0 m / 9.8 ft	4.0 m / 13.1 ft	5.0 m / 16.4 ft	6.0 m / 19.7 ft only below	6.0 m / 19.7 ft only above	7.0 m / 23.0 ft			
7.0 m kg			3200	3200					2550	2550
23.0 ft lb			7055	7055					5620	5620
6.0 m kg					3150	3150			2250	2250
19.7 ft lb					6945	6945			4960	4960
5.0 m kg					3500	3500	2400	2400	2400	2400
16.4 ft lb					7715	7715	5290	5290	5290	5290
4.0 m kg			3950	3950	3700	3500	3550	2650	3550	2650
13.1 ft lb			8710	8710	8150	7715	7825	5840	7825	5840
3.0 m kg	5800		5800	4650	4650	4050	3400	3700	2600	3700
9.8 ft lb	12785		12785	10250	10250	8930	7495	8160	5730	8160
2.0 m kg	7500		6800	5450	4500	4500	3300	3950	2550	3900
6.6 ft lb	16535		14990	12015	9920	9920	7275	8710	5620	8600
1.0 m kg	6800		6450	6150	4300	4900	3200	4150	2500	3800
3.3 ft lb	14990		14220	13560	9480	10800	7055	9150	5510	8380
Ground line	kg		6750	6300	6500	4200	4900	3100	4300	2450
	lb		14880	13890	14330	9260	10800	6835	9480	5400
-1.0 m kg	4550	4550	8450	6250	6550	4100	5200	3050	4250	2400
-3.3 ft lb	10030	10030	18630	13780	14440	9040	11465	6725	9370	5290
-2.0 m kg	6900	6900	8150	6300	6300	4100	5000	3050	3950	2400
-6.6 ft lb	15210	15210	17965	13890	13890	9040	11025	6725	8710	5290
-3.0 m kg	9600	9600	7200	6350	5600	4150	4350	3100		
-9.8 ft lb	21165	21165	15870	14000	12345	9050	9590	6835		
-4.0 m kg			5500	5500	4150	4150			3550	3550
-13.1 ft lb			12125	12125	9150	9150			7825	7825

\*at 600 mm track pads width



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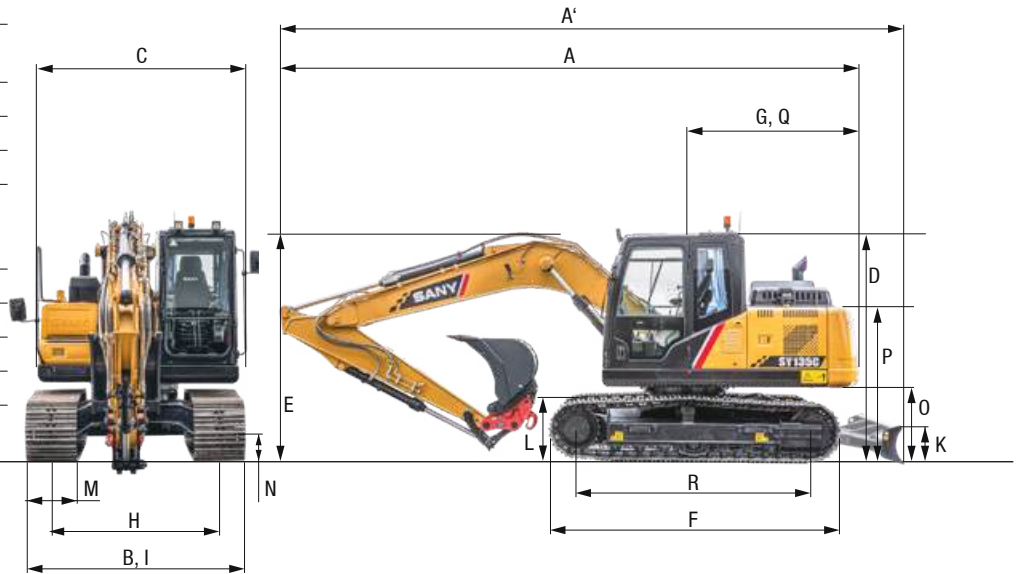
# SPECIFICATIONS

## SANY SY135C

### DIMENSIONS (TRANSPORT)

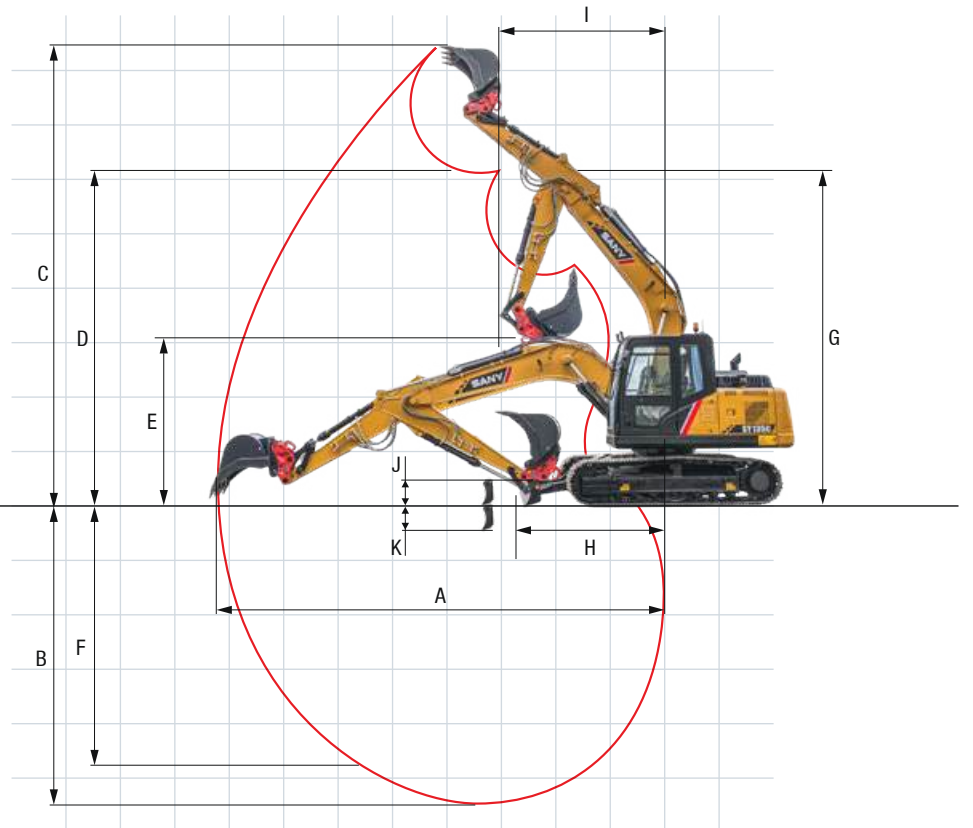
A	Transport length	7700 mm
A'	Transport length (blade)	8850 mm
B	Transport width*	2590 mm
	Transport width**	2490 mm
	Transport width***	2690 mm
C	Upperstructure carriage	2490 mm
D	Height over cabin/ROPS	2820 mm
E	Height of Boom – transport	2815 mm
F	Overall length of crawler	3665 mm
G	Tail length	2205 mm
H	Track gauge	1990 mm
I	Undercarriage width (blade)*	2590 mm
	Undercarriage width (blade)**	2490 mm
J	Horizontal distance to blade	2650 mm
K	Blade height	480 mm
L	Track height	815 mm
M	Track pads width	500 mm 600 mm 700 mm
N	Min. ground clearance	425 mm
O	Counterweight clearance	910 mm
P	Engine cover height	2130 mm
Q	Tail swing radius	2205 mm
R	Center distance of tumbler	2930 mm

\* at 600 mm track pads width  
 \*\* at 500 mm track pads width  
 \*\*\* at 700 mm track pads width



### WORKING AREA

A	Max. digging reach	8290 mm
B	Max. digging depth	5500 mm
C	Max. digging height	8645 mm
D	Max. dumping height	6175 mm
E	Min. dumping height	2920 mm
F	Max. vertical digging depth	4850 mm
G	Overall height over arm by min. swing radius	6500 mm
H	Arm head distance with work equipment retracted as far as possible	2650 mm
I	Min. swing radius	2500 mm
J	Max. clearance when blade up	490 mm
K	Max. depth of blade down	320 mm





# SPECIALISED EQUIPMENT HIRE SOLUTIONS

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