

ENGINE

Model	ISUZU 4JJ1X
Type	Water-cooled, 4 cylinder, with commonrail and Adblue
Exhaust emissions	Stage V
Rated power	78.5 kW / 2000 rpm
Max. torque	375 Nm / 1600 rpm
Displacement	2999 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 m ³
Groundpressure	0.39 kg/cm ²
Bucket digging force ISO	103 kN
Arm digging force ISO	67 kN

OPERATING WEIGHT

SY135C*	14666 kg
* Includes 75 kg (165 lb) operator and full fuel tank and excludes bucket.	

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
Max. oilflow (AUX2)	40 l/min

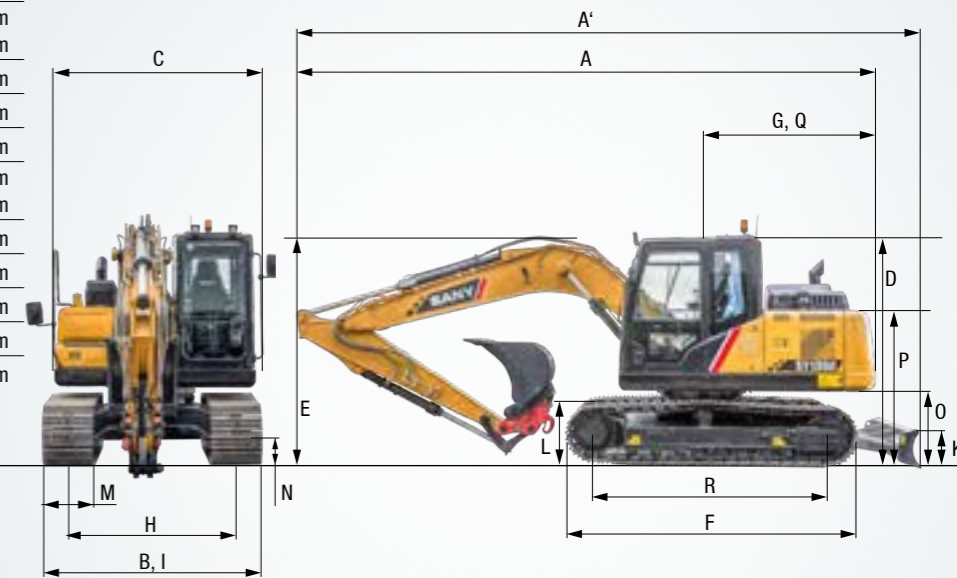
UNDER AND UPPER STRUCTURE

Boom length	4600 mm
Arm length	3000 mm
Bottomrollers	7
Toprollers	1
Rotation device	Planetary gear reducer driven by an axial piston motor, automatic hydraulic released slewing brake

DIMENSIONS (TRANSPORT)

A Transport length	7500 mm
A' Transport length (blade)	8850 mm
B Transport width*	2690 mm
Transport width**	2590 mm
C Upperstructure carriage	2490 mm
D Height over cabin/ROPS	2820 mm
E Height of Boom – transport	3180 mm
F Overall length of crawler	3665 mm
G Tail length	2205 mm
H Track gauge	1990 mm
I Undercarriage width (blade)*	2690 mm
Undercarriage width (blade)**	2590 mm
J Horizontal distance to blade	2650 mm
K Blade height	480 mm
L Track height	815 mm
M Track pads width	700 mm
	600 mm
N Min. ground clearance	425 mm
O Counterweigh clearance	910 mm
P Engine cover height	2130 mm
Q Tail swing radius	2205 mm
R Center distance of tumblers	2930 mm

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



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	6.0 m / 19.7 ft	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	2100	2100				
16.4 ft lb				7715	7715	5290	5290	5290	4630	4630				
4.0 m kg			3950	3950	3700	3500	3550	2650	2050	2050				
13.1 ft lb			8710	8710	8150	7715	7825	5840	4520	4520				
3.0 m kg	5800	5800	4650	4650	4050	3400	3700	2600	2050	2050				
9.8 ft lb	12785	12785	10250	10250	8930	7495	8160	5730	4520	4520				
2.0 m kg	7500	6800	5450	4500	4500	3300	3950	2550	3900	2550	2300	2050	2100	2100
6.6 ft lb	16535	14990	12015	9920	9920	7275	8710	5620	8600	5620	5070	4520	4630	4630
1.0 m kg	6800	6450	6150	4300	4900	3200	4150	2500	3800	2500	2450	2000	2200	2200
3.3 ft lb	14990	14220	13560	9480	10800	7055	9150	5510	8380	5510	5400	4410	4850	4850
Ground line	kg	6750	6300	6500	4200	4900	3100	4300	2450	3750	2450		2350	2350
	lb	14880	13890	14330	9260	10800	6835	9480	5400	8270	5400		5180	5180
-1.0 m kg	4550	4550	8450	6250	6550	4100	5200	3050	4250	2400	3750	2400	2600	2600
-3.3 ft lb	10030	10030	18630	13780	14440	9040	11465	6725	9370	5290	8270	5290	5730	5730
-2.0 m kg	6900	6900	8150	6300	6300	4100	5000	3050	3950	2400	3750	2400	3050	3050
-6.6 ft lb	15210	15210	17965	13890	13890	9040	11025	6725	8710	5290	8270	5290	6725	6725
-3.0 m kg	9600	9600	7200	6350	5600	4150	4350	3100					3750	3750
-9.8 ft lb	21165	21165	15870	14000	12345	9050	9590	6835					8270	8270
-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

WORKING AREA

A Max. digging reach	8680 mm
B Max. digging depth	5970 mm
C Max. digging height	9040 mm
D Max. dumping height	6630 mm
E Min. dumping height	2400 mm
F Max. vertical digging depth	5350 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	2610 mm
J Max. clearance when blade up	490 mm
K Max. depth of blade down	320 mm

