

Technical specifications

Specification		Main performance	
Operating weight	16200 kg	Gyration speed	12 rpm
Engine	ISUZU	Max. travel speed	High 5.3 km/h, slow 3.1 km/h
Model	4JJ1X	Max. travel force	114 kN
Type	Water-cooled, 4 cylinder, with commonrail and Adblue	Bucket capacity	0.6 m³
Engine power	78.5 kw/2000 rpm	Ground pressure	35.3 kpa
Maximum torque	375 Nm/1800 rpm	Grade ability	70%/35°
Displacement	2.999 L	Digging force of bucket	103 kN
Startig motor	24 V/4 kW	Digging force of arm	67 kN
Electric generator	50 A	Engine max. torque	375 Nm/1800 rpm
Traveling traction	114 kN		
Boom cylinder diameter×distance	105×920 mm		
Arm cylinder diameter×distance	115×1165 mm		
Bucket cylinder diameter×distance	100×885 mm		
Shovel bucket cylinder diameter×distance	130×145 mm		

Service Refill Capacities / Traveling part / Structural Parts / Optioanal

Fuel tank	220 L	Each carrier roller side	/
Engine coolant	23.6 L	Each side of supporting wheel	3
Engine oil	15 L	Standard track	600 mm
Drive (per side)	1.8 L	Final drive	2×2.2 L
Adblue	20 L	Number of track shoe (per side)	44
Hydraulic oil tank	110 L	Number of upper rollers (per side)	1
Water radiator	27 L	Number of lower rollers (per side)	7
Boom	2.35m (Lower Boom) +2.55m (Upper Boom)	Optioanl track width	500/600/700 mm
Arm	2.5 m	Optional arm	2500/3000 mm

Lifting capacities of lower dozer blade

SY155U PB BLADE (ABOVE GROUND)

Conditions: Upper Boom Assembly 2.55m(8.37 ft); Lower Boom Assembly 2.35m (7.71 ft); Arm 2.50 m (8.2 ft); Counterweight 3720 kg (8201 lb); Triple Track Shoes 600 mm
Unit : kg

A						
B	1.5m 4.9ft	3m 9.8ft	4.5m 14.8ft	6m 19.7ft	7.5m 24.6ft	At Max. Reach
7m	*4368 *4368					*2856 *2856 4.0m
23ft	*9630 *9630					*6296 *6296 13.0ft
6m	*4039 3094					*2233 *2233 5.7m
19.7ft	*8904 6821					*4923 *4923 18.6ft
4.5m	*4024 *4024	*4273 3007	2853 2063			*2048 1658 6.7m
14.8ft	*8871 *8871	*9420 6629	6290 4548			*4515 3655 21.84ft
3m	6031 4451	3834 2781	2689 1899			*2093 1432 7.2m
9.8ft	13296 9813	8453 6131	5928 4187			*4614 3157 23.55ft
1.5m		3568 2515	2570 1780			*2079 1339 7.4m
4.9ft		7866 5545	5666 3924			*4583 2952 24.13ft
0m	*4895 3546	3387 2333	2475 1685			*2272 1346 7.2m
0ft	*10792 7818	7467 5143	5456 3715			*5009 2967 23.67ft
-1.5m	*5739 3544	3342 2288	2440 1649			*4151 2640 3.7m
-4.9ft	*12652 7813	7368 5044	5379 3635			*9151 5820 12.26ft

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

2. Item with * is limited by hydraulic pressure and item without "*" is limited by stability;

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

Lifting capacities of lower dozer blade

SY155UPB BLADE (ON GROUND)

Conditions: Upper Boom Assembly 2.55m(8.37 ft); Lower Boom Assembly 2.35m (7.71 ft); Arm 2.50 m (8.2 ft); Counterweight 3720 kg (8201 lb); Triple Track Shoes 600 mm Unit : kg

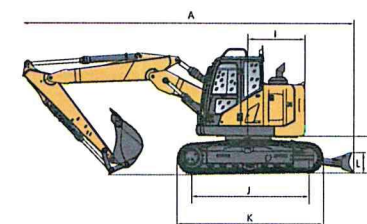
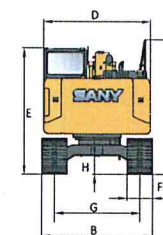
B	A						D
	1.5m 4.9ft	3m 9.8ft	4.5m 14.8ft	6m 19.7ft	7.5m 24.6ft	At Max. Reach	
7m		*4368 *4368				*2856 *2856	4.0m
23ft		*9630 *9630				*6296 *6296	13.0ft
6m			*4039 3094			*2233 *2233	5.7m
19.7ft			*8904 6821			*4923 *4923	18.6ft
4.5m		*4024 *4024	*4273 3007	*3347 2063		*2048 1658	6.7m
14.8ft		*8871 *8871	*9420 6629	*7379 4548		*4515 3655	21.84ft
3m		*7583 4451	*4714 2781	*3464 1899		*2584 1432	7.2m
9.8ft		*16718 9813	*10393 6131	*7637 4187		*5697 3157	23.55ft
1.5m			*5520 2515	*3705 1780		*2079 1339	7.4m
4.9ft			*12170 5545	*8168 3924		*4583 2952	24.13ft
0m		*4895 3546	*5450 2333	*3910 1685		*2272 1346	7.2m
0ft		*10792 7818	*12015 5143	*8620 3715		*5009 2967	23.67ft
-1.5m		*5739 3544	*4495 2288	*3123 1649		*4151 2640	3.7m
-4.9ft		*12652 7813	*9910 5044	*6885 3635		*9151 5820	12.26ft

- The lifting capacity is calculated in accordance with ISO10560 and SAEJ1097, where the limit coefficient of hydraulic system is 0.87 and tilting limit coefficient is 0.75;
- Item with * is limited by hydraulic pressure and item without "*" is limited by stability;
- Lifting point is front support hole of arm (excluding the weight of bucket).
It is necessary to deduct from the above lifting capacity if additional accessory is installed, such as a bucket;

Machine dimensions

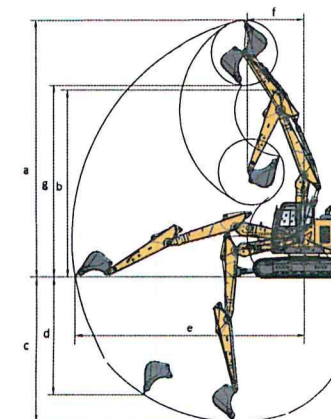
DIMENSIONS (TRANSPORT) (mm) SY155U PB

A. Transport length	8345
B. Transport width	2590
C. Overall height (for transportation)	3063
D. Upperstructure carriage	2490
E. Height over cabin/ROPS	3022
F. Standard track shoe width	600
G. Track gauge	1990
H. Min. ground clearance	425
I. Tail length	1500
J. Distance between tumblers	2930
K. Track length	3665
L. Bulldozer height	510
M. Ground clearance of counterweight	880



Working Area (mm) SY155U PB

a. Max. digging height	9528
b. Overall height over arm by min. swing radius	6902
c. Max. digging depth	5274
d. Max. vertical digging depth	4176
e. Max. digging reach	8591
f. Min. front swing radius	2535
g. Min. dumping height	7060



*arm 2.5m