

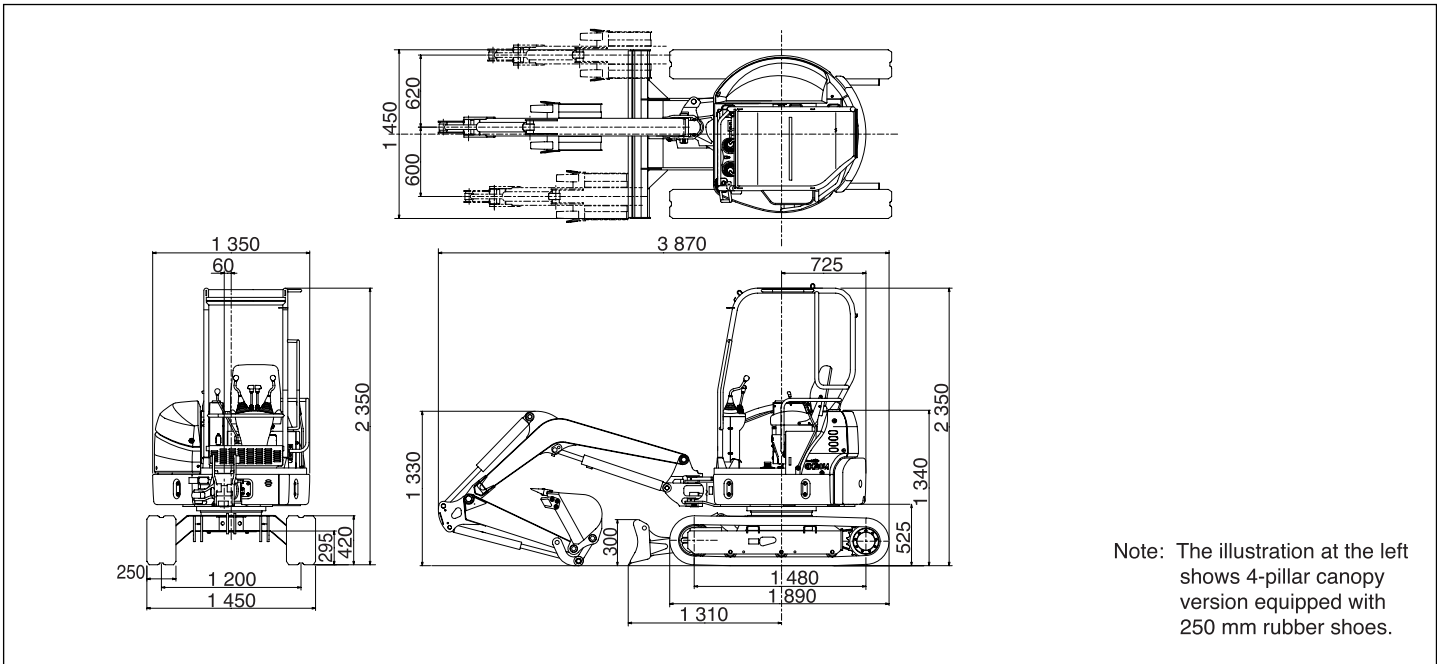
Mini-Excavator
EX20U-3
Specifications

Rated Engine Power	
DIN 6271, net	13.9 kW (18.9 PS)
SAE J1349, net	14.0 kW (18.8 hp)
Operating Weight	
Rubber shoes	2 100 kg (4-pillar canopy)
Grouser shoes	2 190 kg (4-pillar canopy)
Backhoe Buckets	
ISO 7451	0.04 – 0.09 m³

*The 4-pillar canopy conforms to TOPS (ISO 12117) and FOPS (ISO 10262, Level I) requirements.
The 2-pillar canopy is also available.*

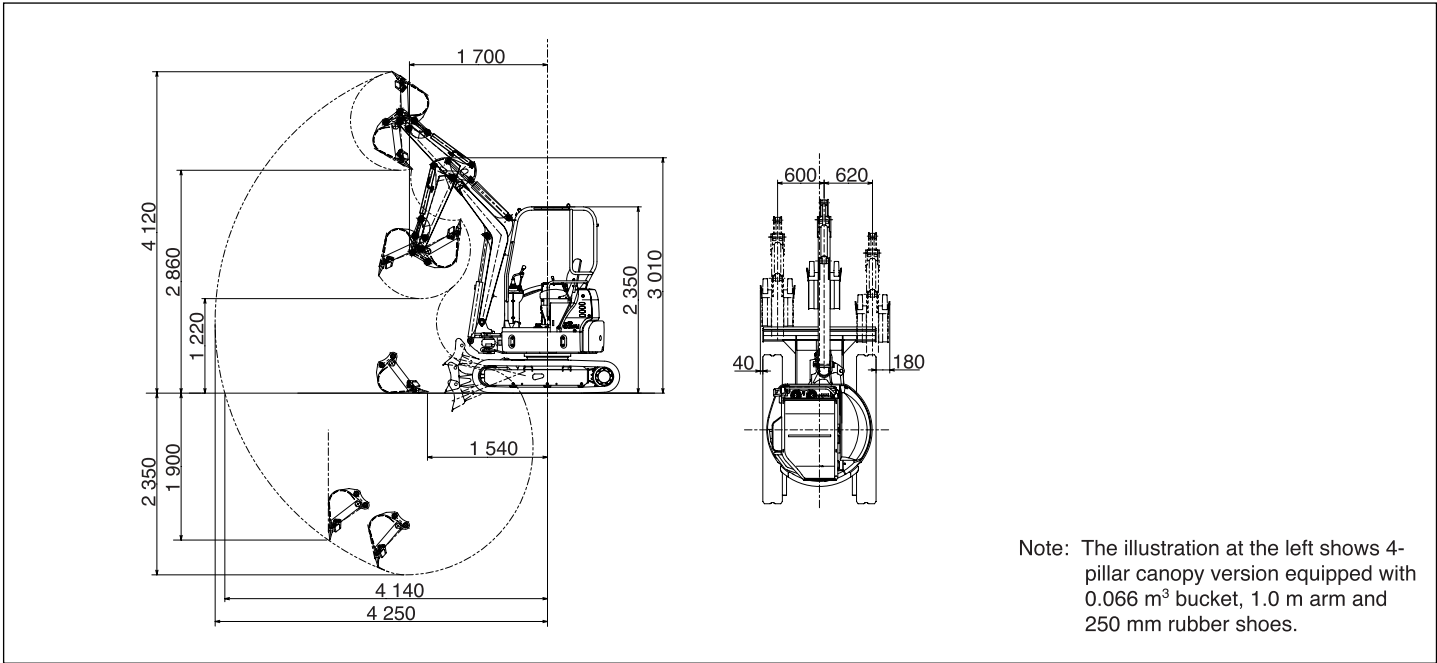
■ DIMENSIONS


Unit : mm



■ WORKING RANGES

Unit : mm



 ENGINE	
Model.....	Isuzu 3YE1
Type.....	Water-cooled, 4-cycle, 3-cylinder swirl chamber type diesel engine
Rated power.....	13.9 kW (18.9 PS)
DIN 6271, net	at 2 200 min ⁻¹ (rpm)
Rated power.....	14.0 kW (18.8 hp)
SAE J1349, net	at 2 200 min ⁻¹ (rpm)
Maximum torque.....	64.9 N·m (6.6 kgf·m)
	at 1 700 min ⁻¹ (rpm)
Piston displacement.....	1.131 L
Bore and stroke.....	77 mm x 81 mm
Battery.....	1 x 12 V, 55 Ah

Main pumps.....	Two variable displacement axial piston pumps
Maximum oil flow.....	2 x 27.6 L/min
Third pump.....	One gear pump
Maximum oil flow.....	15.0 L/min
Pilot pump.....	One gear pump
Maximum oil flow.....	11.9 L/min

Implement circuit.....	20.6 MPa (210 kgf/cm ²)
Swing circuit.....	20.6 MPa (210 kgf/cm ²)
Travel circuit.....	20.6 MPa (210 kgf/cm ²)
Pilot circuit.....	3.9 MPa (40 kgf/cm ²)









Dimensions				
	No.	Bore	Rod dia.	Stroke
Boom.....	1	70 mm	40 mm	527 mm
Arm.....	1	70 mm	40 mm	374 mm
Bucket.....	1	55 mm	35 mm	440 mm
Boom swing...	1	65 mm	35 mm	370 mm
Blade.....	1	65 mm	35 mm	129 mm









Swing speed..... 9.2 min⁻¹ (9.2 rpm)

	Operating weight	Ground pressure
4-pillar canopy:		
250 mm rubber shoes.....	2 100 kg	26 kPa (0.27 kgf/cm ²)
250 mm grouser shoes.....	2 190 kg	28 kPa (0.29 kgf/cm ²)
2-pillar canopy:		
250 mm rubber shoes.....	2 070 kg	26 kPa (0.27 kgf/cm ²)
250 mm grouser shoes.....	2 160 kg	28 kPa (0.29 kgf/cm ²)

ISO 7451 capacity	Width		No. of teeth	Weight	Use	
	Without side cutters	With side cutters			1.0 m Std. arm	1.3 m Long arm
0.04 m ³	250 mm	300 mm	2	46 kg	A	A
0.045 m ³	300 mm	350 mm	3	50 kg	A	A
0.055 m ³	350 mm	400 mm	3	52 kg	A	A
0.066 m ³	400 mm	450 mm	3	55 kg	A	B
0.08 m ³	450 mm	500 mm	3	57 kg	B	B
0.09 m ³	500 mm	550 mm	4	63 kg	B	C
Arm crowd force					11.8 kN (1 200 kgf)	9.8 kN (1 000 kgf)
Bucket digging force					19.6 kN (1 950 kgf)	

Boom swing angle.....Left 60°, Right 50°

Conditions	Load Point Height	Load Radius						Maximum Reach		
		1 m		2 m		3 m				
										meter
Arm: 1.0 m	2 m					0.30	0.36	0.18	0.21	3.95
Bucket: 0.066 m³ ISO 7451	1 m					0.28	0.33	0.16	0.19	4.07
Rubber shoes: 250 mm 4-pillar canopy	Ground					0.26	0.32	0.18	0.21	3.83
	– 1 m	*1.34	*1.34	0.51	0.63	0.26	0.32	0.26	0.31	3.06

Conditions	Load Point Height	Load Radius						Maximum Reach		
		1 m		2 m		3 m				meter
										
Arm: 1.0 m	2 m					0.30	*0.46	0.18	*0.40	3.95
Bucket: 0.066 m³	1 m					0.28	*0.63	0.16	*0.43	4.07
ISO 7451	Ground					0.26	*0.77	0.18	*0.51	3.83
Rubber shoes: 250 mm	- 1 m	*1.34	*1.34	0.52	*1.16	0.26	*0.68	0.26	*0.49	3.06
4-pillar canopy										

4. An asterisk mark (*) indicates load limited by hydraulic capacity.



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This catalog is not applicable to European and North America areas.
Specifications are subject to change without notice.

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