

PRELIMINARY SPECIFICATIONS

ENGINE

Model	Isuzu 4JJ1
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	4
Rated power	
ISO 9249, net	69.4 kW (93.1 HP) at 2 000 min ⁻¹ (rpm)
SAE J1349, net	69.4 kW (93.1 HP) at 2 000 min ⁻¹ (rpm)
Piston displacement ..	2.999 L
Bore and stroke	95 mm x 105 mm
Batteries	2 x 12 V / 55 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 117 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	33.6 L/min

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	1 axial piston motor

Relief Valve Settings

Implement circuit	34.3 MPa (350 kgf/cm ²)
Swing circuit	32.3 MPa (330 kgf/cm ²)
Travel circuit	34.3 MPa (350 kgf/cm ²)
Pilot circuit	4.0 MPa (41 kgf/cm ²)
Power boost	36.3 MPa (370 kgf/cm ²)

Hydraulic Cylinders

	Quantity
Boom	2
Arm	1
Bucket	1

UPPERSTRUCTURE

Revolving Frame

D-section frame skirt for resistance to deformation.

Swing Device

Swash plate piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	13.3 min ⁻¹ (rpm)
Swing torque	34 kNm (3 470 kgfm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* 10262 OPG Top Guard Level 1.

* International Organization for Standardization

UNDERCARRIAGE

Tracks

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper roller	1
Lower rollers	7
Track shoes	44
Track guard	1

Travel Device

Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.

Travel speeds	High : 0 to 5.5 km/h
	Low : 0 to 3.3 km/h

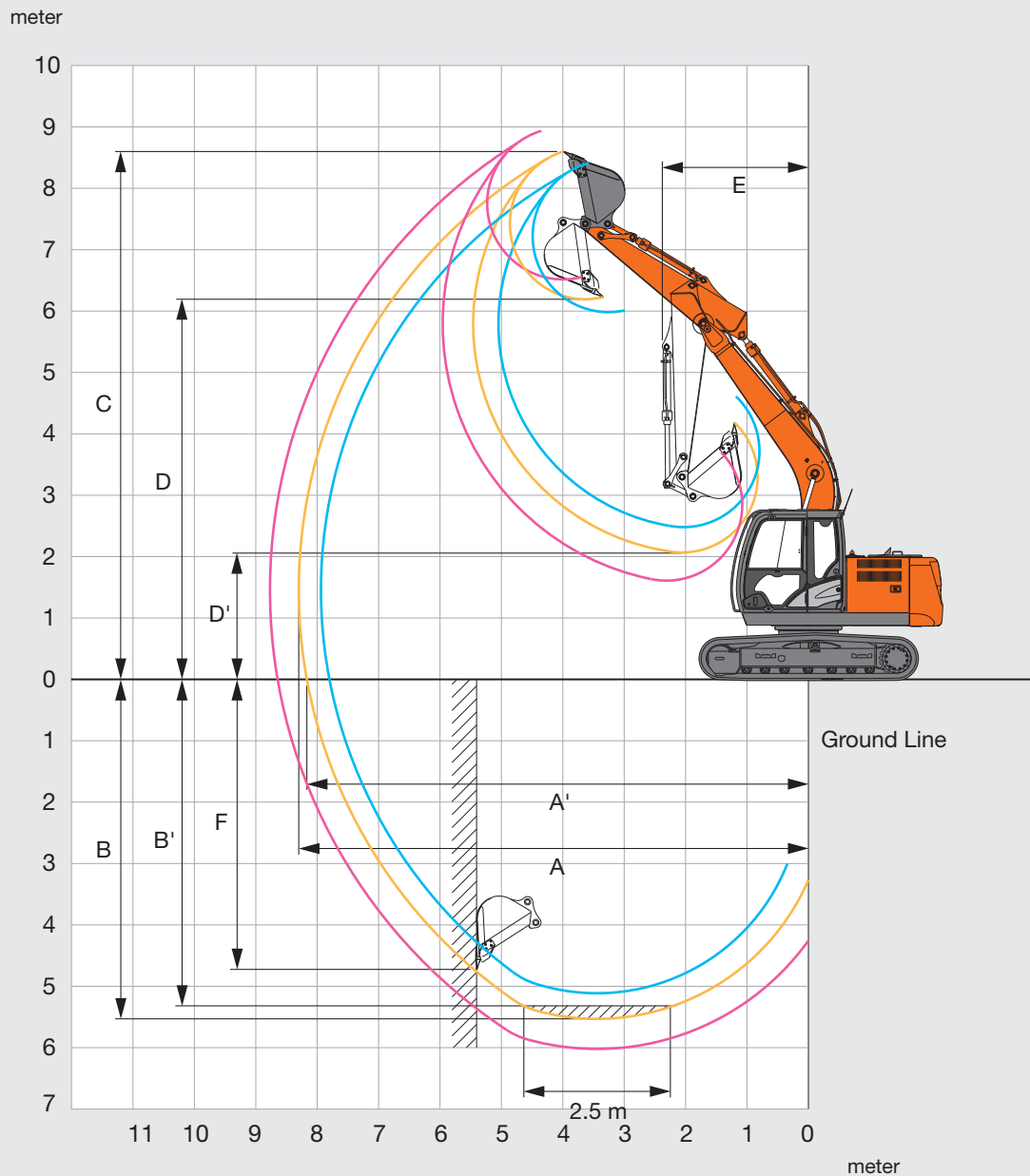
Maximum traction force .. 117 kN (11 900 kgf)

Gradeability .. 70% (35 degree) continuous

SERVICE REFILL CAPACITIES

Fuel tank	280.0 L
Engine coolant	24.0 L
Engine oil	17.0 L
Swing device	3.2 L
Travel device (each side)	4.0 L
Hydraulic system	170.0 L
Hydraulic oil tank	70.0 L

WORKING RANGES



Unit: mm

Arm length	ZX130-5A	
	2.52 m	
A Max. digging reach	8 300	
A' Max. digging reach (on ground)	8 170	
B Max. digging depth	5 540	
B' Max. digging depth for 2.5 m level	5 310	
C Max. cutting height	8 600	
D Max. dumping height	6 190	
D' Min. dumping height	2 070	
E Min. swing radius	2 400	
F Max. vertical wall digging depth	4 750	

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