

SPECIFICATION

Isuzu Power Solutions.
For those who never stop.



Image included for illustrative purposes only.



AT A GLANCE

Power Output ■ Max. 18.7 kW / 25.1 hp (rated)
@ 3200 RPM
■ Max. 15.9 kW / 21.3 hp (cont.)
@ 3200 RPM

Torque Output ■ Max. 63.5 Nm @ 2300 RPM

Displacement ■ 1.116 L

Bore x Stroke ■ 76 x 82 mm

O/A Dimensions (engine only) ■ 570 mm (L)
■ 455 mm (W)
■ 586 mm (H)

Dry Weight (engine only) ■ 117 kg

Features

- Naturally aspirated diesel engine
- Mechanical in-direct injection fuel system
- Low noise, low fuel consumption, low maintenance
- Compact and easy to start
- Reliable power
- Water cooled
- Interim Tier-4 emission spec. reference
- Genuine Isuzu engine manufactured in Japan

ENGINE PERFORMANCE

Engine Power	RPM	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200
Rated (kW / hp)		8.3 / 11.1	10.0 / 13.4	11.9 / 16.0	13.3 / 17.8	14.6 / 19.6	15.8 / 21.2	17.0 / 22.8	17.9 / 24.0	18.4 / 24.7	18.7 / 25.1
Continuous (kW / hp)		7.1 / 9.5	8.5 / 11.4	10.1 / 13.6	11.3 / 15.2	12.4 / 16.6	13.4 / 18.0	14.5 / 19.4	15.2 / 20.4	15.6 / 21.0	15.9 / 21.3

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	3CB1-CZP01 (Isuzu)
Emission Spec. Reference:	Interim Tier-4 / Stage-III A
Max. Rated Output:	18.7 kW (25.1 hp) @ 3200 RPM
Continuous Output:	15.9 kW (21.3 hp) @ 3200 RPM
Max. Torque	63.5 Nm @ 2300 RPM
Displacement:	1.116 L
Combustion System:	In-direct Injection (Naturally Aspirated)
O/A Dimensions:	570 (L) x 455 (W) x 586 mm (H)
Dry Weight:	117 kg
Fuel Consumption:	6.5* L/h @ 100% load

*Based on diesel fuel with a specific gravity of 0.835 kg/m³ at 15°C. Actual value may vary.

POWER UNIT CONFIGURATIONS

- 1. Starter (STR)**
 - Light duty air cleaner system
 - Industrial grade exhaust system
 - Engine mounting feet
 - Heavy duty full aluminium cooling system (max. 45°C)
 - 12V complete electrical system (incl. engine harness and stop solenoid)
- 2. Economy (ECY)** **Features include STR plus:**
 - Medium duty air cleaner system
 - Skid rail chassis mounting
 - Mechanical vernier throttle kit
 - IP65 'ECO' engine controller (essential watchdog protection)
 - Engine RPM sender (MPU)
- 3. Premium (PRM)** **Features include ECY plus:**
 - Air cleaner restriction indicator
 - Air cleaner rain/inlet hood
 - Residential grade exhaust system
 - High performance heavy duty cooling system (50°C +)
 - Engine oil pressure and temperature senders
 - IP65 'PRO' engine controller (advanced watchdog protection + application I/O)
 - Remote oil drain kit

KEY BENEFITS

DESIGN

- Australian designed and sourced engine mounts and skid
- Australian designed heavy duty bar and plate all aluminium radiator
- Premium quality air cleaners
- Complete electrical engine harness (includes engine stop solenoid, glow plug assisted start and fuel pump)

CONTROL PANEL

- DeepSea 'ECO' economy engine controller (provides essential engine monitoring protection)
- ComAp 'PRO' professional engine controller (advanced engine monitoring protection, plus customer application inputs/outputs, complete event history log, large easy to read display)



DeepSea 'ECO' Controller



ComAp 'PRO' Controller

OPTIONS

- Heat Exchanged cooling package
- Premium pump pressure transducer range
- Longer application skid for mounting of auxiliary items
- Flywheel stub shafts
- Auxiliary PTO crankshaft pulley
- 4G remote monitoring and control kit
- Low coolant alarm protection kit
- 160W solar battery charging kit
- Extension harnesses
- Coolant surge tank kit
- 24V electrical system
- Energise to stop kit
- Vibration isolation mounts



Transducer option



Heat Exchanger option



Clutch option