

SPECIFICATION

Isuzu Power Solutions.
For those who never stop.



AT A GLANCE

Power Output ■ Max. 29.1 kW / 39.0 hp (rated)
@ 2800 RPM
■ Max. 24.7 kW / 33.2 hp (cont.)
@ 2800 RPM

Torque Output ■ Max. 119 Nm @ 1900 RPM

Displacement ■ 1.496 L

Bore x Stroke ■ 84 x 90 mm

O/A Dimensions (engine only) ■ 613 mm (L)
■ 509 mm (W)
■ 756 mm (H)

Dry Weight (engine only) ■ 157 kg

Features

- Turbocharged diesel engine
- Mechanical 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	1200	1400	1600	1800	2000	2200	2400	2600	2800
Rated (kW / hp)		13.0 / 17.4	15.9 / 21.3	18.8 / 25.2	22.2 / 29.8	24.7 / 33.1	26.4 / 35.4	28.0 / 37.5	29.0 / 38.9	29.1 / 39.0
Continuous (kW / hp)		11.1 / 14.8	13.5 / 18.1	16.0 / 21.4	18.9 / 25.3	21.0 / 28.2	22.4 / 30.1	23.8 / 31.9	24.7 / 33.1	24.7 / 33.2

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	3CD1T-BKZP1 (Isuzu)
Emission Spec. Reference:	Interim Tier-4 / Stage-IIIa
Max. Rated Output:	29.1 kW (39.0 hp) @ 2800 RPM
Continuous Output:	24.7 kW (33.2 hp) @ 2800 RPM
Max. Torque	119 Nm @ 1900 RPM
Displacement:	1.496 L
Combustion System:	Direct Injection (Turbocharged)
O/A Dimensions:	613 (L) x 509 (W) x 756 mm (H)
Dry Weight:	157 kg
Fuel Consumption:	9.2* 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)**
 - Medium 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:**
 - Skid rail chassis mounting
 - Mechanical vernier throttle kit
 - IP65 'ECO' engine controller (essential watchdog protection)
- 3. Premium (PRM)** **Features include ECY plus:**
 - Air cleaner restriction indicator
 - Air cleaner rain/inlet hood
 - 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 cleaner
- Complete electrical engine harness (includes engine stop solenoid, glow plug assisted start and fuel pump).

CONTROL PANEL

- Murphy '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)



Murphy 'ECO' Controller



ComAp 'PRO' Controller

OPTIONS

- Premium pump pressure transducer range
- Longer application skid for mounting of auxiliary items
- Heat Exchanged cooling package
- 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
- Electronic throttle actuator system
- Coolant surge tank kit
- Vibration isolation mounts



Transducer option



Heat Exchanger option



Clutch option