

SPECIFICATION

Isuzu Power Solutions.
For those who never stop.



AT A GLANCE

Power Output ■ Max. 26.9 kW / 36.1 hp (rated)
@ 3000 RPM
■ Max. 22.9 kW / 30.7 hp (cont.)
@ 3000 RPM

Torque Output ■ Max. 103 Nm @ 1800 RPM

Displacement ■ 1.642 L

Bore x Stroke ■ 88 x 90 mm

O/A Dimensions (engine only) ■ 611 mm (L)
■ 509 mm (W)
■ 682 mm (H)

Dry Weight (engine only) ■ 165 kg

Features

- Naturally aspirated 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	3000
Rated (kW / hp)		13.2 / 17.7	15.3 / 20.5	17.4 / 23.3	19.4 / 26.0	21.0 / 28.2	22.6 / 30.3	23.9 / 32.0	25.0 / 33.5	26.2 / 35.1	26.9 / 36.1
Continuous (kW / hp)		11.2 / 15.0	13.0 / 17.4	14.8 / 19.8	16.5 / 22.1	17.9 / 23.9	19.2 / 25.8	20.3 / 27.2	21.3 / 28.5	22.3 / 29.9	22.9 / 30.7

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	3CE1-BDZP2 (Isuzu)
Emission Spec. Reference:	Interim Tier-4 / Stage-III A
Max. Rated Output:	26.9 kW (36.1 hp) @ 3000 RPM
Continuous Output:	22.9 kW (30.7 hp) @ 3000 RPM
Max. Torque	103 Nm @ 1800 RPM
Displacement:	1.642 L
Combustion System:	Direct Injection (Naturally Aspirated)
O/A Dimensions:	611 (L) x 509 (W) x 682 mm (H)
Dry Weight:	165 kg
Fuel Consumption:	8.5* 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 (dual element)
 - 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

- 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

- 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
- Engine RPM regulation
- Pump pressure regulation
- Extension harnesses
- Electronic throttle actuator system
- Coolant surge tank kit
- 24V electrical system
- Energise to stop kit
- Vibration isolation mounts



Transducer option



Heat Exchanger option



Clutch option