

POWER UNITS
2CA1
 SPECIFICATION



Isuzu Power Solutions.
 For those who never stop.



Image included for illustrative purposes only.



AT A GLANCE

Power Output

- Max. 9.8 kW / 13.1 hp (rated) @ 3600 RPM
- Max. 8.3 kW / 11.2 hp (cont.) @ 3600 RPM

Torque Output ■ Max. 30.1 Nm @ 2600 RPM

Displacement ■ 0.57 L

Bore x Stroke ■ 70 x 74 mm

O/A Dimensions (engine only)

- 444 mm (L)
- 457 mm (W)
- 533 mm (H)

Dry Weight (engine only) ■ 84 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 / Stage-V emission spec. reference
- Genuine Isuzu engine manufactured in Japan

ENGINE PERFORMANCE

Engine Power	RPM	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600
Rated (kW / hp)		5.4 / 7.2	6.1 / 8.2	6.8 / 9.1	7.5 / 10.1	8.2 / 11.0	8.7 / 11.7	9.2 / 12.3	9.6 / 12.9	9.8 / 13.1	9.8 / 13.1
Continuous (kW / hp)		4.6 / 6.2	5.2 / 7.0	5.8 / 7.8	6.4 / 8.5	7.0 / 9.3	7.4 / 9.9	7.8 / 10.5	8.2 / 10.9	8.3 / 11.2	8.3 / 11.2

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	ZCA1-AZP01 (Isuzu)
Emission Spec. Reference:	Interim Tier-4 / Stage-V
Max. Rated Output:	9.8 kW (13.1 hp) @ 3600 RPM
Continuous Output:	8.3 kW (11.2 hp) @ 3600 RPM
Max. Torque	30.1 Nm @ 2600 RPM
Displacement:	0.57 L
Combustion System:	In-direct Injection (Naturally Aspirated)
O/A Dimensions:	444 (L) x 457 (W) x 533 mm (H)
Dry Weight:	84 kg
Fuel Consumption:	3.8* 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)
- 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 +)
 - 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 engine monitoring protection, plus customer application inputs/outputs, complete event history log, large easy to read display)

OPTIONS

Metal air cleaner system
 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



DeepSea 'ECO' Controller



ComAp 'PRO' Controller



Transducer option



Heat Exchanger option



Clutch option

*Note, some options may not be available on all engine models. Some options are already standard fitment on some engine models. Our goods and services come with guarantees that cannot be excluded under the Australian Consumer Law. For major failures with the service, you are entitled: To cancel your service contract with us; and to a refund for the unused portion, or to compensation for its reduced value. You are also entitled to choose a refund or replacement for major failures with goods. If a failure with the goods or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done you are entitled to a refund for the goods and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the goods or service. This warranty is given by Isuzu Australia Limited, ABN 97 005 952 572 (IAL) whose business address is 66 Foundation Road, Truganina, VIC 3029. IAL's telephone number is 1800 035 640. For further information on Isuzu warranties, please visit www.powersolutions.isuzu.com.au. The information in this leaflet was correct at time of printing, but all measurements, specifications and equipment are subject to change without notice. Some equipment may have been changed and/or is available at extra cost. IAL may make changes at any time without notice, in prices, colours, materials, equipment and models. IAL makes all reasonable attempts to ensure the availability of all engines and equipment. The information in this leaflet is general in nature. Your Isuzu dealer can confirm all measurements, specifications and engine/equipment availability upon request. ARK009 06/21