

SPECIFICATION

Isuzu Power Solutions.
For those who never stop.

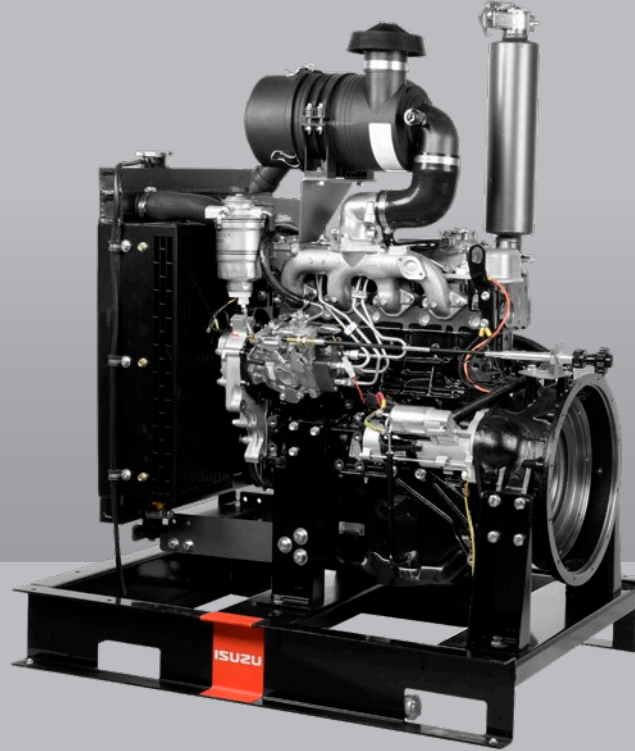
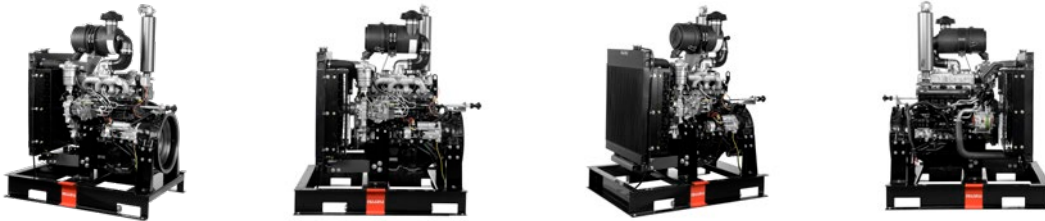


Image included for illustrative purposes only (Not from STR range).



AT A GLANCE

Power Output ■ Max. 46.2 kW / 62.0 hp (rated) @ 2600 RPM
■ Max. 39.3 kW / 52.7 hp (cont.) @ 2600 RPM

Torque Output ■ Max. 195 Nm @ 1800 RPM

Displacement ■ 3.059 L

Bore x Stroke ■ 95.4 x 107 mm

O/A Dimensions (engine only) ■ 797 mm (L)
■ 555 mm (W)
■ 779 mm (H)

Dry Weight (engine only) ■ 260 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
- Tier-2 emission spec. reference
- Genuine Isuzu engine manufactured in Japan

ENGINE PERFORMANCE

Engine Power	RPM	1000	1200	1400	1600	1800	2000	2200	2400	2600
Rated (kW / hp)		18.3 / 24.5	23.1 / 31.0	27.6 / 37.0	32.4 / 43.4	37.1 / 49.8	39.5 / 53.0	42.5 / 57.0	44.7 / 59.9	46.2 / 62.0
Continuous (kW / hp)		15.6 / 20.9	19.6 / 26.3	23.5 / 31.5	27.5 / 36.9	31.5 / 42.3	33.6 / 45.0	36.1 / 48.4	38.0 / 51.0	39.3 / 52.7

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	4JG1-PK (Isuzu)
Emission Spec. Reference:	Tier-2 / Stage-II
Max. Rated Output:	46.2 kW (62.0 hp) @ 2600 RPM
Continuous Output:	39.3 kW (52.7 hp) @ 2600 RPM
Max. Torque	195 Nm @ 1800 RPM
Displacement:	3.059 L
Combustion System:	Direct Injection (Naturally Aspirated)
O/A Dimensions:	797 (L) x 555 (W) x 779 mm (H)
Dry Weight:	260 kg
Fuel Consumption:	13.6* 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, fuel feed 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

- Premium pump pressure transducer range
- Extension skid for mounting of auxiliary items
- Flywheel stub shafts
- Heat Exchanged cooling package
- 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
- Vibration isolation mounts



Transducer option



Heat Exchanger option



Clutch option