

# 4JG1T

## 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. 62.5 kW / 83.8 hp (rated) @ 2500 RPM
- Max. 53.1 kW / 71.2 hp (cont.) @ 2500 RPM

**Torque Output** ■ Max. 263 Nm @ 1800 RPM

**Displacement** ■ 3.059 L

**Bore x Stroke** ■ 95.4 x 107 mm

**O/A Dimensions (engine only)**

- 812 mm (L)
- 596 mm (W)
- 779 mm (H)

**Dry Weight (engine only)** ■ 271 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
- Tier-2 emission spec. reference
- Genuine Isuzu engine manufactured in Japan

## ENGINE PERFORMANCE

Engine Power	RPM	1000	1200	1400	1600	1800	2000	2200	2400	2500
Rated (kW / hp)		17.5 / 23.5	27.5 / 36.9	35.0 / 46.9	42.0 / 56.3	49.6 / 66.5	54.0 / 72.4	59.0 / 79.1	62.0 / 83.1	62.5 / 83.8
Continuous (kW / hp)		14.9 / 19.9	23.4 / 31.3	29.8 / 39.9	35.7 / 47.9	42.2 / 56.5	45.9 / 61.6	50.2 / 67.3	52.7 / 70.7	53.1 / 71.2

## SPECIFICATIONS

### ENGINE

<b>Type:</b>	Vertical water-cooled 4-cycle Diesel
<b>Model (Manufacturer):</b>	4JG1-TPW01 (Isuzu)
<b>Emission Spec. Reference:</b>	Tier-2 / Stage-II
<b>Max. Rated Output:</b>	62.5 kW (83.8 hp) @ 2500 RPM
<b>Continuous Output:</b>	53.1 kW (71.2 hp) @ 2500 RPM
<b>Max. Torque</b>	263 Nm @ 1800 RPM
<b>Displacement:</b>	3.059 L
<b>Combustion System:</b>	Direct Injection (Turbocharged)
<b>O/A Dimensions:</b>	812 (L) x 596 (W) x 779 mm (H)
<b>Dry Weight:</b>	271 kg
<b>Fuel Consumption:</b>	18.3* L/h @ 100% load

\*Based on diesel fuel with a specific gravity of 0.835 kg/m<sup>3</sup> 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
- 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