

## SPECIFICATION

Isuzu Power Solutions.  
For those who never stop.



## AT A GLANCE

**Power Output** ■ Max. 61.0 kW / 81.8 hp (rated)  
@ 2500 RPM  
■ Max. 51.9 kW / 69.5 hp (cont.)  
@ 2500 RPM

**Torque Output** ■ Max. 280 Nm @ 1800 RPM

**Displacement** ■ 3.0 L

**Bore x Stroke** ■ 95.4 x 104.9 mm

**O/A Dimensions (engine only)**  
■ 977 mm (L)  
■ 748 mm (W)  
■ 847 mm (H)

**Dry Weight (engine only)** ■ 320 kg

**Features**

- Turbocharged diesel engine
- Common rail direct injection fuel system
- Low noise, low fuel consumption, low maintenance
- Easy to start
- Reliable power
- Water cooled
- Tier-3 emission spec. reference
- Genuine Isuzu engine manufactured in Japan

## ENGINE PERFORMANCE

Engine Power	RPM	1000	1200	1400	1600	1800	2000	2200	2400	2500
<b>Rated (kW / hp)</b>		26.2 / 35.1	33.6 / 45.1	40.0 / 53.6	46.5 / 62.4	52.8 / 70.8	57.0 / 76.4	60.0 / 80.5	60.5 / 81.1	61.0 / 81.8
<b>Continuous (kW / hp)</b>		22.3 / 29.9	28.6 / 38.3	34.0 / 45.6	39.5 / 53.0	44.9 / 60.2	48.5 / 65.0	51.0 / 68.4	51.4 / 69.0	51.9 / 69.5

## SPECIFICATIONS

### ENGINE

<b>Type:</b>	Vertical water-cooled 4-cycle Diesel
<b>Model (Manufacturer):</b>	4JJ1-TYBW01 (Isuzu)
<b>Emission Spec. Reference:</b>	Tier-3 / Stage-IIA
<b>Max. Rated Output:</b>	61.0 kW (81.8 hp) @ 2500 RPM
<b>Continuous Output:</b>	51.9 kW (69.5 hp) @ 2500 RPM
<b>Max. Torque</b>	280 Nm @ 2000 RPM
<b>Displacement:</b>	3.0 L
<b>Combustion System:</b>	Direct Injection (Turbocharged)
<b>O/A Dimensions:</b>	977 (L) x 748 (W) x 847 mm (H)
<b>Dry Weight:</b>	320 kg
<b>Fuel Consumption:</b>	16.4* 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. Premium (PRM) Features include STR plus:**
  - Heavy duty air cleaner system (dual element)
  - Air cleaner restriction indicator
  - Residential grade exhaust system
  - Skid rail chassis mounting
  - 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, fuel feed pump)  
 IP65 stainless steel ECM enclosure with LED indicators

### CONTROL PANEL

ComAp 'PRO' professional engine controller  
 (advanced engine monitoring protection, plus customer application inputs/outputs, complete event history log, large easy to read display)



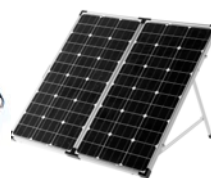
ComAp 'PRO' Controller

### OPTIONS

Flywheel stub shafts  
 Auxiliary PTO clutch  
 Extension skid for mounting of auxiliary items  
 Premium pump pressure transducer range  
 4G remote monitoring and control kit  
 Low coolant alarm protection kit  
 160W solar battery charging kit  
 Extension harnesses  
 Coolant surge tank kit  
 Vibration isolation mounts



Transducer option



Solar panel option



Clutch option