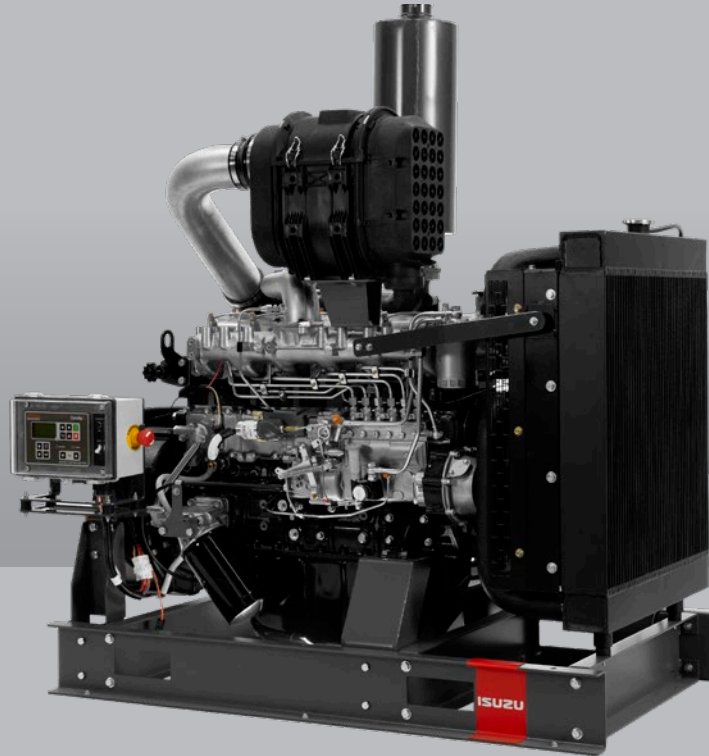


# 6BG1T



## SPECIFICATION

Isuzu Power Solutions.  
For those who never stop.



## AT A GLANCE

**Power Output**

- Max. 121.6 kW / 163.1 hp (rated) @ 2200 RPM
- Max. 103.4 kW / 138.6 hp (cont.) @ 2200 RPM

**Torque Output** ■ Max. 554 Nm @ 1800 RPM

**Displacement** ■ 6.5 L

**Bore x Stroke** ■ 105 x 125 mm

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

- 1201 mm (L)
- 572 mm (W)
- 957 mm (H)

**Dry Weight (engine only)** ■ 490 kg

### Features

- Turbocharged diesel engine
- Mechanical direct injection fuel system
- Low noise, low fuel consumption, low maintenance
- 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
Rated (kW / hp)		45.0 / 60.3	56.0 / 75.1	70.0 / 93.9	88.0 / 118.0	104.4 / 140.0	115.0 / 154.2	121.6 / 163.1
Continuous (kW / hp)		38.3 / 51.3	47.6 / 63.8	59.5 / 79.8	74.8 / 100.3	88.7 / 119.0	97.8 / 131.1	103.4 / 138.6

## SPECIFICATIONS

### ENGINE

<b>Type:</b>	Vertical water-cooled 4-cycle Diesel
<b>Model (Manufacturer):</b>	6BG1-TRW02 (Isuzu)
<b>Emission Spec. Reference:</b>	Tier-2 / Stage-II
<b>Max. Rated Output:</b>	121.6 kW (163.1 hp) @ 2200 RPM
<b>Continuous Output:</b>	103.4 kW (138.6 hp) @ 2200 RPM
<b>Max. Torque</b>	554 Nm @ 1800 RPM
<b>Displacement:</b>	6.5 L
<b>Combustion System:</b>	Direct Injection (Turbocharged)
<b>O/A Dimensions:</b>	1201 (L) x 572 (W) x 957 mm (H)
<b>Dry Weight:</b>	490 kg
<b>Fuel Consumption:</b>	36.0* 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
  - 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
- Flywheel stub shafts
- Auxiliary PTO crankshaft pulley
- 4G remote monitoring and control kit
- Heat Exchanged cooling package
- Low coolant alarm protection kit
- 160W solar battery charging kit
- Extension harnesses
- Coolant surge tank kit



Transducer option



Heat Exchanger option



Clutch option