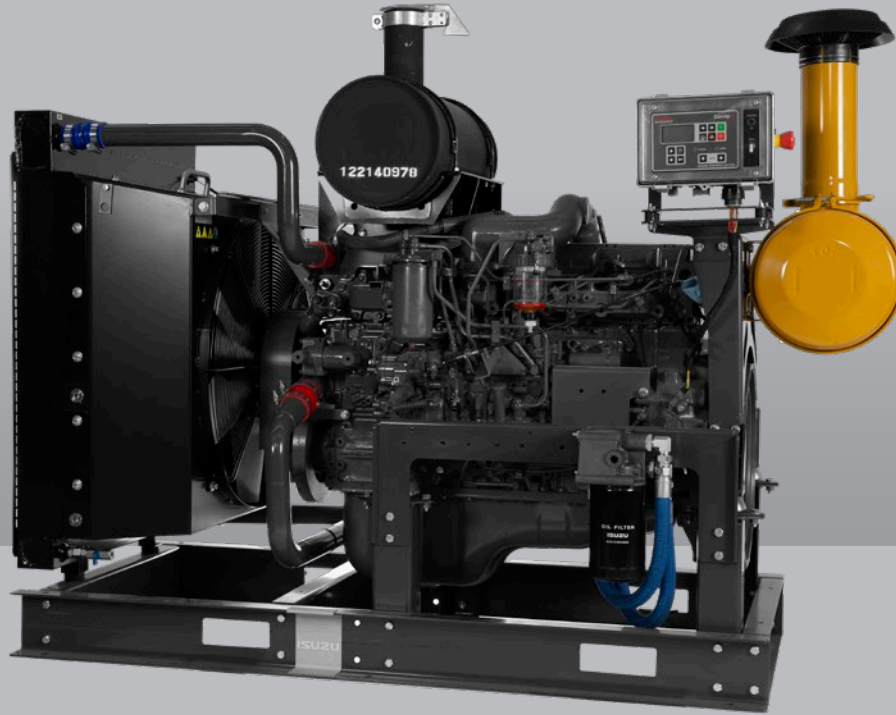


SPECIFICATION

Isuzu Power Solutions.
For those who never stop.



AT A GLANCE

Power Output

- Max. 143.4 kW / 192.3 hp (rated) @ 2200 RPM
- Max. 121.9 kW / 163.5 hp (cont.) @ 2200 RPM

Torque Output ■ Max. 735 Nm @ 1600 RPM

Displacement ■ 7.8 L

Bore x Stroke ■ 115 x 125 mm

O/A Dimensions (engine only)

- 1331 mm (L)
- 847 mm (W)
- 1403 mm (H)

Dry Weight (engine only) ■ 650 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)		60.0 / 80.5	79.0 / 105.9	102.0 / 136.8	123.0 / 164.9	138.0 / 185.1	141.0 / 189.1	143.4 / 192.3
Continuous (kW / hp)		51.0 / 68.4	67.2 / 90.0	86.7 / 116.3	104.6 / 140.2	117.3 / 157.3	119.9 / 160.7	121.9 / 163.5

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	6HK1-TQC01 (Isuzu)
Emission Spec. Reference:	Tier-2 / Stage-II
Max. Rated Output:	143.4 kW (192.3 hp) @ 2200 RPM
Continuous Output:	121.9 kW (163.5 hp) @ 2200 RPM
Max. Torque	735 Nm @ 1600 RPM
Displacement:	7.8 L
Combustion System:	Direct Injection (Turbocharged)
O/A Dimensions:	1331 (L) x 847 (W) x 1403 mm (H)
Dry Weight:	650 kg
Fuel Consumption:	41.7* 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
 - High performance heavy duty cooling system (50°C +)
 - Engine oil pressure and temperature senders
 - IP65 'PRO' engine controller (advanced watchdog protection + application I/O)

KEY BENEFITS

DESIGN

- Australian designed and sourced engine mounts and skid
- Australian designed heavy duty bar and plate all aluminium radiator
- Premium quality Donaldson 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

- Electronic throttle actuator kit
- Premium pump pressure transducer range
- 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