

POWER UNITS

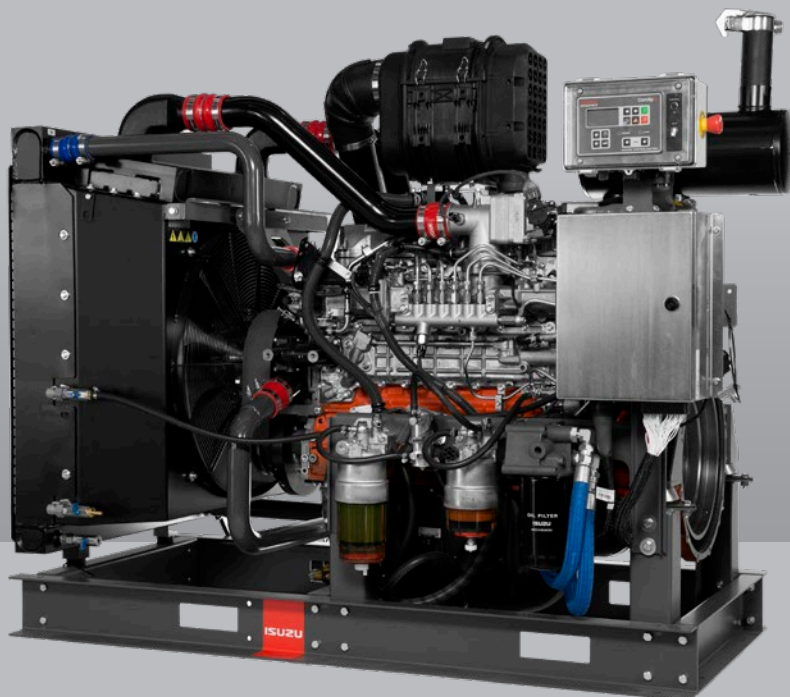
6HK1XY

SPECIFICATION



ISUZU
POWER
SOLUTIONS

Isuzu Power Solutions.
For those who never stop.



AT A GLANCE

Power Output

- Max. 212.0 kW / 284.3 hp (rated) @ 2000 RPM
- Max. 180.2 kW / 241.6 hp (cont.) @ 2000 RPM

Torque Output ■ Max. 1125 Nm @ 1500 RPM

Displacement ■ 7.8 L

Bore x Stroke ■ 115 x 125 mm

O/A Dimensions (engine only)

- 1362 mm (L)
- 865 mm (W)
- 1074 mm (H)

Dry Weight (engine only) ■ 640 kg

Features

- Turbocharged intercooled 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	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
Rated (kW / hp)		82.0/110.0	98.0/131.4	112.0/150.2	140.0/187.7	155.0/207.9	176.7/237.0	189.0/253.4	198.0/265.5	205.0/274.9	209.0/280.3	212.0/284.3
Continuous (kW / hp)		69.7/93.5	83.3/111.7	95.2/127.7	119.0/159.6	131.8/176.7	150.2/201.4	160.7/215.4	168.3/225.7	174.3/233.7	177.7/238.2	180.2/241.6

SPECIFICATIONS

ENGINE

Type:	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer):	6HK1-XYBW02 (Isuzu)
Emission Spec. Reference:	Tier-3 / Stage-IIIa
Max. Rated Output:	212.0 kW (284.3 hp) @ 2000 RPM
Continuous Output:	180.2 kW (241.6 hp) @ 2000 RPM
Max. Torque	1125 Nm @ 1500 RPM
Displacement:	7.8 L
Combustion System:	Direct Injection (Turbocharged, Intercooled)
O/A Dimensions:	1362 (L) x 865 (W) x 1074 mm (H)
Dry Weight:	640 kg
Fuel Consumption:	54.3* 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)
 - 24V 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)



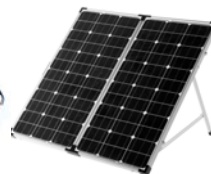
ComAp 'PRO' Controller

OPTIONS

- Flywheel stub shafts
- 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
- 12V electrical system
- Vibration isolation mounts



Transducer option



Solar panel option



Clutch option