



Specification

6WG1 POWER UNIT

OVERVIEW

Unit

Power Output	• Max. 397.0 kW / 532.4 hp (rated) @ 1800 RPM
	• Max. 337.5 kW / 452.5 hp (cont.) @ 1800 RPM
Torque Output	Max. 2250 Nm @ 1500 RPM
Displacement	15.7 L
Bore x Stroke	147 x 154 mm
O/A Dimensions (L x W x H) (engine only)	1775 x 1010 x 1333 mm
Dry Weight (engine only)	1150 kg

Key Features

Turbocharged intercooled diesel engine
Common rail direct injection fuel system
Low noise, low fuel consumption
Easy to start
Reliable power
Water cooled
Stage-IIIa emission spec. reference
Manufactured in Japan

Engine Performance

Engine Power (RPM)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Rated (kW / hp)	138.0/185.1	160.0/214.6	184.0/246.7	216.0/289.7	241.0/323.2	278.0/372.8	315.0/422.4	353.4/473.9	376.0/504.2	390.0/523.0	397.0/532.4
Continuous (kW / hp)	117.3/157.3	136.0/182.4	156.4/209.7	183.6/246.2	204.9/274.7	236.3/316.9	267.8/359.1	300.4/402.8	319.6/428.6	331.5/444.5	337.5/452.5

SPECIFICATIONS

Engine

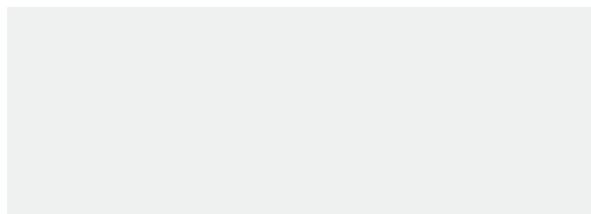
Type	Vertical water-cooled 4-cycle Diesel
Model (Manufacturer)	6WG1-XYBW01 (Isuzu)
Emission Spec. Reference	Stage-IIIA
Max. Rated Output	397.0 kW (532.4 hp) @ 1800 RPM
Continuous Output	337.5 kW (452.5 hp) @ 1800 RPM
Max. Torque	2250 Nm @ 1500 RPM
Displacement	15.7 L
Combustion System	Direct Injection (Turbocharged, Intercooled)
O/A Dimensions (L x W x H)	1775 x 1010 x 1333 mm
Dry Weight	1150 kg
Fuel Consumption	102.0* 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)
2. Premium (PRM) Features include STR plus:	24V complete electrical system (incl. engine harness and stop solenoid)
	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 +)
	Murphy MPC10 controller (advanced engine protection + application I/O)
	Remote oil drain kit

DEALER DETAILS



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
IP65 stainless steel ECM enclosure with LED indicators

Control Panel

Murphy MPC10 Controller TBC



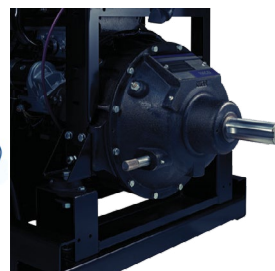
Murphy MPC10 Controller

Options

Premium pump pressure transducer range
Extension harnesses
Coolant surge tank kit



Transducer option



Clutch option

*Note, some options may not be available on all engine models. Some options are already standard fitment on some engine models. Our goods and services come with guarantees that cannot be excluded under the Australian Consumer Law. For major failures with the service, you are entitled: To cancel your service contract with us; and to a refund for the unused portion, or to compensation for its reduced value. You are also entitled to choose a refund or replacement for major failures with goods. If a failure with the goods or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done you are entitled to a refund for the goods and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the goods or service. This warranty is given by Isuzu Australia Limited, ABN 97 006 962 572 ('IAL') whose business address is 66 Foundation Road, Truganina, VIC 3029. IAL's telephone number is 1800 035 640. For further information on Isuzu warranties please visit www.powersolutions.isuzu.com.au. The information in this spec was correct at time of printing, but all measurements, specifications and equipment are subject to change without notice. Some equipment may have been changed and/or is available at extra cost. IAL may make changes at any time without notice, in prices, colours, materials, equipment and models. IAL makes all reasonable attempts to ensure the availability of all engines and equipment. Your Isuzu dealer can confirm all measurements, specifications and engine/equipment availability upon request.