PRODUCT SPECIFICATIONS FOR 4012-46TWG

TOTAL POWER RANGE	
Gross Mechanical Output	884-1396 kWm
Typical Electrical Output	989-1600 kVA (791-1280 kWe)
Rated Speed	1500/1800 rpm

50 HZ TYPICAL ELECTRICAL OUTPUT	
Prime	1253-1500 kVA
Standby	1385-1600 kVA
Baseload	989-1079 kVA

60 HZ TYPICAL ELECTRICAL OUTPUT	
Prime	1002-1200 kWe
Standby	1108-1280 kWe
Baseload	791-864 kWe

EMISSION STANDARDS	
Emissions	Fuel Optimised

GENERAL	
Number of Cylinders	12 Vee
Bore	160 mm

Stroke	190 mm
Displacement	45.8 l
Compression Ratio	13:1/13.6:1
Aspiration	Turbocharged and air-to-water charge cooled
Combustion System	Direct injection
Rotation from Flywheel End	Anti-clockwise
Cooling System	Liquid
Aftertreatment	-
Typical Alternator Efficiency	96%
Switchable	No

ELECTROPAK DIMENSIONS

Length	2255 mm
Width	3714 mm
Height	1780 mm
Dry Weight	4400 kg

DISCLAIMER

Note 1	*Final dimensions dependent on selected options

DEFINITIONS

Prime Power	Unlimited hours usage with an average load factor of 80% of the published prime power over each 24 hours period. A 10% overload is available for 1 hour in every 12 hours operation.
Standby Power	Limited to 500 hours annual usage with an average load factor of 80% of the published standby power

	load factor of 80% of the published standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on standby power.
Baseload	Unlimited hours usage with an average load factor of 100% of the published baseload power. No overload is permitted on baseload power.

4012-46TWG STANDARD EQUIPMENT

AIR INLET SYSTEM

Mounted air filter and turbochargers

COOLING SYSTEM

Powder coated radiator comprising: water radiator; fuel oil cooling (optional); all pipes, hoses and clips; fan; pulleys; fan belts and safety guards

System designed for ambients up to 50ºC (122ºF)

Two twin thermostats

ELECTRICAL EQUIPMENT

24 volt starter motor and 24 volt alternator with integral regulator and DC output

Overspeed switch and magnetic pickup

Turbine inlet temperature shutdown switch

Twin high coolant temperate shutdown switches

Twin low oil pressure shutdown switches

FLYWHEELS AND FLYWHEEL HOUSING

SAE 00 flywheel housing

SAE J620 size 18 flywheel

FUEL SYSTEM

Direct fuel injection system, fuel lift pump

Full flow spin-on fuel oil filters

GOVERNING

Governing to ISO 8528-5 class G3 with isochronous capability

OIL SYSTEM

Engine jacket water/lubricating oil temperature stabiliser

Full flow spin-on oil filters

Wet sump with filler and dipstick