Product Specifications for 4012-46TAG

Gross Mechanical Output	906-1643 kWm
Typical Electrical Output	1000-1880 kVA (800-1504 kWe)
Rated Speed	1500/1800 rpm

Prime	1250-1710 kVA
Standby	1375-1880 kVA
Baseload	1000-1425 kVA

Prime	1095-1368 kWe
Standby	1204-1504 kWe
Baseload	868-1140 kWe

Emissions	Fuel Optimised

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-air charge cooled
Combustion System	Direct injection
Rotation from Flywheel End	Anti-clockwise
Cooling System	Liquid
Aftertreatment	-
Typical Alternator Efficiency	95%
Switchable	Available for some power nodes

Length	3915 mm
Width	2198 mm
Height	2259 mm
Dry Weight	4400 kg

Note 1	*Final dimensions dependent on selected options

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 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.

4012-46TAG Standard Equipment

Air inlet system

Mounted air filter and turbochargers

Cooling system

Powder coated radiator comprising: water radiator; air charge cooled 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 0 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 G2 with isochronous capability

Oil system

Engine jacket water/lubricating oil temperature stabiliser

Full flow spin-on oil filters

Wet sump with filler and dipstick