

General Data

Prime power (PRP)	100.0 kVA
Prime power (PRP)	80.0 kW
Standby power (LTP)	110.0 kVA
Standby power (LTP)	88.0 kW
Frequency	50Hz
Voltage	230/400 V
Power factor	0.8



Engine characteristics

Engine brand	CUMMINS
Engine model	6BTA5.9-G5
Cylinders	6
Speed	1500 rpm
Cubic Capacity	5.9 L
Air intake	Turbocharged, after-cooled
Oil Capacity	16.4 L
Stage	Stage 2

Alternator

Alternator brand	Stamford
Alternator model	UCI274C
PRP Power	100.0 kVA
LTP Power	110.0 kVA
Phases	3PH/1PH + N
Terminal number	12 nr.
IP Protection	23
Electronic regulator	AS440
Precision	1 +/- %

Control system

Control system brand	Deep Sea
Control system model	6110MKIII
Standard voltage	12 Vdc

Fuel consumption

Fuel cons. @ 100% (PRP)	24.7 L/h
Fuel cons. @ 75% (PRP)	18.0 L/h
Fuel cons. @ 50% (PRP)	12.0 L/h
Fuel cons. @ 25% (PRP)	6.8 L/h

Cooling system

Cooling	Water
Heat from radiator	-- kW
Heat from radiation	-- kW
Cooling air flow	12384 m3/h

Exhaust system

Max intake combustion	6000 Pa
Combustion air volume	7200 m3/h
Max exhaust gas temperature	533°C
Exhaust gas flow	1170 m3/h
Max back pressure	10500 Pa

Dimensions & weight (Open frame)

Length	2268 mm
Width	1142 mm
Height	1714 mm
Mass (dry)	1263 kg

References

Fuel consumption is nominal and refers to specific weight 0.850kg/l.

Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment. Any optional and additional equipment / accessories can modify weight, dimensions and performance.

PRP Prime Power-Continuous power at variable load

The power that a generator can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the manufacturer according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the manufacturer.

LTP Limited-time running power-Limited power

The maximum power that a generator can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the manufacturer according to ISO8528-1. The number of hours per year is stated by the manufacturer. Overload is not permitted.