

General Data

Prime power (PRP)	320.0 kVA
Prime power (PRP)	256.0 kW
Standby power (LTP)	350.0 kVA
Standby power (LTP)	280.0 kW
Frequency	50Hz
Voltage	230/400 V
Power factor	0.8



Engine characteristics

Engine brand	CUMMINS
Engine model	6LTAA9.5 G1
Cylinders	6
Speed	1500 rpm
Cubic Capacity	9.5 L
Air intake	Turbocharged, after-cooled
Oil Capacity	28.1 L
Stage	Stage 2

Alternator

Alternator brand	Stamford
Alternator model	HCI444E
PRP Power	320.0 kVA
LTP Power	350.0 kVA
Phases	3PH/1PH + N
Terminal number	12 nr.
IP Protection	23
Electronic regulator	AS440
Precision	1.5 +/- %

Control system

Control system brand	Deep Sea
Control system model	6110MKIII
Standard voltage	24 Vdc

Fuel consumption

Fuel cons. @ 100% (PRP)	70.0 L/h
Fuel cons. @ 75% (PRP)	52.0 L/h
Fuel cons. @ 50% (PRP)	35.0 L/h
Fuel cons. @ 25% (PRP)	18.0 L/h

Cooling system

Cooling	Water
Heat from radiator	-- kW
Heat from radiation	-- kW
Cooling air flow	28440 m3/h

Exhaust system

Max intake combustion	6200 Pa
Combustion air volume	1011.6 m3/h
Max exhaust gas temperature	580°C
Exhaust gas flow	2664 m3/h
Max back pressure	8000 Pa

Dimensions & weight (Open frame)

Length	2800 mm
Width	1100 mm
Height	1871 mm
Mass (dry)	2579 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.