

General Data

Prime power (PRP)	640.0 kVA
Prime power (PRP)	512.0 kW
Standby power (LTP)	706.0 kVA
Standby power (LTP)	565.0 kW
Frequency	50Hz
Voltage	230/400 V
Power factor	0.8



Engine characteristics

Engine brand	CUMMINS
Engine model	VTA28 G5
Cylinders	12
Speed	1500 rpm
Cubic Capacity	28.0 L
Air intake	Turbocharged
Oil Capacity	83.0 L
Stage	Stage 2

Alternator

Alternator brand	Stamford
Alternator model	HC15-F
PRP Power	640.0 kVA
LTP Power	706.0 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)	140.0 L/h
Fuel cons. @ 75% (PRP)	104.0 L/h
Fuel cons. @ 50% (PRP)	73.0 L/h
Fuel cons. @ 25% (PRP)	43.0 L/h

Cooling system

Cooling	Water
Heat from radiator	-- kW
Heat from radiation	-- kW
Cooling air flow	44820 m3/h

Exhaust system

Max intake combustion	6200 Pa
Combustion air volume	2970 m3/h
Max exhaust gas temperature	493°C
Exhaust gas flow	7146 m3/h
Max back pressure	10200 Pa

Dimensions & weight (Open frame)

Length	4047 mm
Width	1608 mm
Height	1942 mm
Mass (dry)	5491 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.