



## Performance

Continuous power (PRP)	1000.0 (KVA)
Continuous power (PRP)	800.0 (KW)
Stand-by power (LTP)	1100.0 (KVA)
Stand-by power (LTP)	880.0 (KW)
Power factor	0.8

### VOLTAGE

Frequency (Hz)	50	Hz
Voltage (V)	400	V

### DIMENSIONS AND NOISE LEVEL

Width	2200	mm
Length	8600	mm
Height	3400	mm
Weight	12540	kg
Sound pressure 7 m.	72.0	dBA

## DATA REFERENCES

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. 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, performance.

**P.R.P. Prime Power-Continuous power at variable load:** The power that a genset 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 ISO 8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.

**L.T.P. Limited-time running power-Limited power:** The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

*The data contained in this document is nominal and refers to the standard equipped model and is not binding. Psilos Services reserves the right to revise the information without notice per our policy of continuous product development and improvement.*

## STRONG POINTS

1. Industrial diesel engine in genset version with certificate of origin.
2. Industrial brushless alternator with AVR.
3. Steel baseframe with retention basin and modular steel fuel tank with level sensor.
4. Soundproof canopy in galvanized, power coated sheet steel.
5. Soundproofing material made of high attenuation polyester fibre.
6. Internal exhaust silencer with insulated manifold.
7. Electrical panel mounted on board the unit with digital control device installed in metal box.
8. Compact for easy handling and use.
9. Test report, manuals and electrical drawings supplied.
10. World wide after sales service and technical support.

*Further details on the technical data sheet*



**POWERFULL-C 1000 S**



## Engine

Engine brand	CUMMINS	
Engine model	KTA38-G5	
Cylinders	12	nr.
Speed	1500	r.p.m.
Cubic capacity	37.80	l
Air intake	Turbocharged	
Standard voltage	24 Vdc	Vdc
Optional voltage	Vdc	Vdc
Sae	0-18	
BMEP	1868	kPa
Cooling	Water	

### ENGINE POWER

Flywheel P.R.P. Power	880.0	kW
Flywheel Stand-by Power	970.0	kW

### FUEL CONSUMPTION

Fuel Cons. at 100% (L.T.P.)	228.0 l/h
Fuel Cons. at 100% (P.R.P.)	209.0 l/h
Fuel Cons. at 75% (P.R.P.)	161.0 l/h
Fuel Cons. at 50% (P.R.P.)	113.0 l/h
Fuel Cons. at 25% (P.R.P.)	65.0 l/h

### SPEED REGULATION

Electronic regulator	Standard
Precision class	G2

### ENGINE DIMENSIONS AND LIQUIDS

Oil quantity	135.0 l
Antifreeze quantity	124.0 l
Radiator standard	IM50

### HEAT FROM ENGINE

Heat from radiator	594.0 kW
Heat from exhaust	590.0 kW
Heat from radiation	137.0 kW

### EXHAUST DATA

Exhaust temperature	513 °C
Cooling air flow	1134.00 m³/min
Combustion air flow	72.80 m³/min
Exhaust gas flow	198.40 m³/min

### EMISSIONS

TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Not available

## Alternator

Alternator brand	STAMFORD
Alternator model	HCI6J
PRP Power	1030.0 kVA
LTP Power	1110.0 kVA

### ALTERNATOR WIRINGS

Connection	Series star
Phases	Three phases with neutral
Winding	12 terminals Winding 311
Terminal Number	12 nr.

### ALTERNATOR PROTECTION

IP Protection	23
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### VOLTAGE REGULATOR

Electronic regulator	MX321
Precision	0.5 ±%

## Baseframe

Model	ST60
Capacity	- l

## Canopy & Silencer

Canopy model	C60
Silencer model	MSR/a 150
Silencer outlet diameter	168.0 mm

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