

TECHNICAL DATASHEET / GALAXY-P 500 GX

24 HOUR SERVICE 7000 4994

Performance

Continuous power (PRP)	500.0	(KVA)
Continuous power (PRP)	400.0	(KW)
Stand-by power (LTP)	563.0	(KVA)
Stand-by power (LTP)	450.4	(KW)
Power factor	0.8	

VOLTAGE		
Frequency (Hz)	60	Hz
Voltage (V)	440	٧

DIMENSIONS AND NOISE LEVEL		
Width	1840	mm
Length	4500	mm
Height	2540	mm
Weight	5750	kg
Sound pressure 7 m.	-	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.



GALAXY-P 500 GX

STRONG POINTS

- 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

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Engine

Engine model 2506C-E15TAG2 Cylinders 6 nr. Speed 1800 r.p.m. Cubic capacity 15.00 l Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-1-14 BMEP 2284 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 458.0 kW Flywheel Stand-by Power 514.0 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 114.0 l/h Fuel Cons. at 50% (P.R.P.) 77.0 l/h Fuel Cons. at 50% (P.R.P.) 55.0 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 62.0 l Antifreeze quantity 58.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 150.0 kW Heat from radiator 299.0 kW Heat from radiator 299.0 kW EXHAUST DATA Exhaust temperature 550 °C Cooling air flow 866.00 m³/min Exhaust gas flow 105.30 m³/min	Engine brand	PERKINS		
Speed	Engine model	2506C-E15T	2506C-E15TAG2	
Cubic capacity 15.00 I Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2284 kPa Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 458.0 kW Flywheel Stand-by Power 514.0 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P.) 114.0 l/h Fuel Cons. at 100% (P.R.P.) 100.0 l/h Fuel Cons. at 25% (P.R.P.) 77.0 l/h Fuel Cons. at 25% (P.R.P.) 55.0 l/h Fuel Cons. at 25% (P.R.P.) 55.0 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS G2 ENGINE DIMENSIONS AND LIQUIDS G2 ENGINE DIMENSIONS AND LIQUIDS HEAT FROM ENGINE Heat from radiator 150.0 kW Heat from radiator 150.0 kW Heat from radiator 29.5 kW EXHAUST DATA EXhaust temperature 550 °C Cooling air flow 866.00 m³/min Conting air flow 38.00 m³/min 38.00 m³/min	Cylinders	6	nr.	
Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2284 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 458.0 kW Flywheel Stand-by Power 514.0 kW FUSCONSUMPTION Fuel Cons. at 100% (P.R.P) 100.0 l/h Fuel Cons. at 100% (P.R.P) 100.0 l/h Fuel Cons. at 25% (P.R.P.) 77.0 l/h Fuel Cons. at 25% (P.R.P.)	Speed	1800	r.p.m.	
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EXHAUST DATA Exhaust temperature 550 °C Cooling air flow 866.00 m³/min Combustion air flow 38.00 m³/min	Heat from exhaust	299	299.0 kW	
Exhaust temperature 550 °C Cooling air flow 866.00 m³/min Combustion air flow 38.00 m³/min	Heat from radiation	29.5 kW		
Cooling air flow866.00 m³/minCombustion air flow38.00 m³/min	EXHAUST DATA			
Combustion air flow 38.00 m³/min	Exhaust temperature	550	°C	
	Cooling air flow	866.00 m ³ /min		
Exhaust gas flow 105.30 m³/min	Combustion air flow	38.00 m ³ /min		
	Exhaust gas flow	105.30 m³/min		

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

Alternator

Alternator brand	STAMFORD
Alternator model	HCI5C
PRP Power	550.0 kVA
LTP Power	600.0 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

VOLTAGE REGULATOR	
Electronic regulator	AS440
Precision	1.0 ±%

Baseframe

Model	GV200
Capacity	950 l

Canopy & Silencer

Canopy model	GV200
Silencer model	MSR/a 150
Silencer outlet diameter	168.0 mm

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