

TECHNICAL DATASHEET / GALAXY-P 400 GX



Performance

Continuous power (PRP)	400.0	(KVA)
Continuous power (PRP)	320.0	(KW)
Stand-by power (LTP)	450.0	(KVA)
Stand-by power (LTP)	360.0	(KW)
Power factor	0.8	

VOLTAGE		
Frequency (Hz)	50	Hz
Voltage (V)	400	٧

DIMENSIONS AND NOISE LEVEL		
Width	1300	mm
Length	4000	mm
Height	2564	mm
Weight	4880	kg
Sound pressure 7 m.	73.0	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.



GALAXY-P 400 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 2206C-E13TAG3 Cylinders 6 nr. Speed 1500 r.p.m. Cubic capacity 12.500 cm³ Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 362.9 kW Flywheel P.R.P. Power 362.9 kW Flywheel Stand-by Power 406.3 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P.) 94.0 l/h Fuel Cons. at 50% (P.R.P.) 85.0 l/h Fuel Cons. at 50% (P.R.P.) - 1/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 <td colspa<="" th=""><th>Engine brand</th><th>PERKINS</th><th colspan="2">PERKINS</th></td>	<th>Engine brand</th> <th>PERKINS</th> <th colspan="2">PERKINS</th>	Engine brand	PERKINS	PERKINS	
Speed	Engine model	2206C-E13TA	G3		
Cubic capacity 12.500 cm³ Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2345 kPa Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 362.9 kW Flywheel Stand-by Power 406.3 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P.) 94.0 I/h Fuel Cons. at 100% (P.R.P.) 85.0 I/h Fuel Cons. at 25% (P.R.P.) 65.0 I/h Fuel Cons. at 25% (P.R.P.) -1/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Standard Precision class 62 ENGINE DIMENSIONS AND LIQUIDS G2 ENGINE DIMENSIONS AND LIQUIDS HM50 HEAT FROM ENGINE HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from radiator 127.5 kW Heat from radiation 36.8 kW EXHAUST DATA EXHAUST DATA EXHAUST DATA EXHAUST DATA EXHAUST DATA 661.00 m³/min Cooling air flow 661.00 m³/min 26.70 m³/min 26.70 m³/min	Cylinders	6	nr.		
Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2345 kPa Cooling Water Water EMBEP 2345 kPa Cooling Water Water EMBEP 2345 kPa Cooling Water W	Speed	1500	r.p.m.		
Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2345 kPa Cooling Water Water ENGINE POWER ENGINE POWER EVEL CONSUMPTION EVEL CONSUMPTION FUEL CONS. at 100% (L.T.P.) 94.0 I/h FUEL CONS. at 100% (P.R.P.) 94.0 I/h FUEL CONS. at 100% (P.R.P.) 94.0 I/h FUEL CONS. at 75% (P.R.P.) 65.0 I/h FUEL CONS. at 25% (P.R.P.) 46.0 I/h FUEL CONS. at 25% (P.R.P.) - I/h SPEED REGULATION ENGINE AND LIQUIDS Oil quantity At 1 At 2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 I Antifreeze quantity 51.4 I RATION EVAIL TROWSpan="2">ENGINE DIMENSIONS AND LIQUIDS UI quantity 40.0 I Antifreeze quantity 51.4 I RATION EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TROWSpan="2">EVAIL TRO	Cubic capacity	12.500	cm ³		
Optional voltage Vdc Vdc Sae 1-14 BMEP 2345 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 362.9 kW Flywheel Stand-by Power 406.3 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 94.0 l/h Fuel Cons. at 75% (P.R.P.) 85.0 l/h Fuel Cons. at 75% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/	Air intake	Turbocharged	1		
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ENGINE POWER Flywheel P.R.P. Power 362.9 kW Flywheel Stand-by Power 406.3 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 94.0 l/h Fuel Cons. at 100% (P.R.P) 85.0 l/h Fuel Cons. at 50% (P.R.P.) 65.0 l/h Fuel Cons. at 50% (P.R.P.) 46.0 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 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Sae	1-14			
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Flywheel Stand-by Power 406.3 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 94.0 l/h Fuel Cons. at 100% (P.R.P) 85.0 l/h Fuel Cons. at 50% (P.R.P.) 65.0 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class 62 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	ENGINE POWER				
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Fuel Cons. at 100% (L.T.P.) 94.0 l/h Fuel Cons. at 100% (P.R.P) 85.0 l/h Fuel Cons. at 75% (P.R.P.) 65.0 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS 40.0 l Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE 127.5 kW Heat from radiator 127.5 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Flywheel Stand-by Power	406.3	kW		
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Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Flat from radiator HEAT FROM ENGINE Heat from radiator Heat from radiator Heat from radiation EXHAUST DATA Exhaust temperature Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Fuel Cons. at 100% (P.R.P)	85.0			
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Fi.4 l Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature Cooling air flow Combustion air flow - I/h Standard A0.0 l 40.0 l 10.0 l 127.5 kW 127.5 kW 40.0 l Antifreeze quantity 51.4 l Antifreeze quantity 62.7 l Antifreeze quantity 51.4 l Antifreeze quantity 62.7 l Antifreeze quantity 62	Fuel Cons. at 75% (P.R.P.)	65.0	l/h		
SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Fuel Cons. at 50% (P.R.P.)	46.0 l/h			
Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow	Fuel Cons. at 25% (P.R.P.)	- I/h	- I/h		
Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 40.0 l Antifreeze quantity 51.4 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	SPEED REGULATION				
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Antifreeze quantity Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature Cooling air flow Combustion air flow 51.4 l 1M50 127.5 kW 285.1 kW 285.1 kW 661.00 m³/min	ENGINE DIMENSIONS AND LIQUIDS				
Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Oil quantity	40.0	l		
HEAT FROM ENGINE Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Antifreeze quantity	51.4	51.4 l		
Heat from radiator 127.5 kW Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Radiator standard	IM50	IM50		
Heat from exhaust 285.1 kW Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	HEAT FROM ENGINE				
Heat from radiation 36.8 kW EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Heat from radiator	127.	5 kW		
EXHAUST DATA Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Heat from exhaust	285.	285.1 kW		
Exhaust temperature 630 °C Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	Heat from radiation	36.8	36.8 kW		
Cooling air flow 661.00 m³/min Combustion air flow 26.70 m³/min	EXHAUST DATA				
Combustion air flow 26.70 m³/min	Exhaust temperature	630 °	°C		
	Cooling air flow	661.	661.00 m³/min		
Exhaust gas flow 72.00 m³/min	Combustion air flow	26.7	26.70 m³/min		
	Exhaust gas flow	72.0	0 m³/min		

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

Alternator

Alternator brand	STAMFORD
Alternator model	HCI4F
PRP Power	400.0 kVA
LTP Power	450.0 kVA

ALTERNATOR WIRINGS	
Connection	Series star
Phases	Three phases with neutral
Winding	12 terminals 50-60Hz Winding 311
Terminal Number	12 nr

ALTERNATOR PROTECTION		
IP Protection	23	

VOLTAGE REGULATOR	
Electronic regulator	SX440
Precision	1.0 ±%

Baseframe

Model	GV150
Capacity	400 l

Canopy & Silencer

Canopy model	GV150
Silencer model	MSR/a 125
Silencer outlet diameter	140.0 mm

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