

TECHNICAL DATASHEET / GALAXY-F 400 GX

Performance

Continuous power (PRP)	400.0	(KVA)
Continuous power (PRP)	320.0	(KW)
Stand-by power (LTP)	440.0	(KVA)
Stand-by power (LTP)	352.0	(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	2400	mm
Weight	4350	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 - F 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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TECHNICAL DATASHEET / GALAXY-F 400 GX

Engine

Engine model C19TE3A Cylinders 6 nr. Speed 1500 r.p.m. Cubic capacity 12.90 I 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 352.0 kW Flywheel Stand-by Power 387.0 kW FUEL CONS. MPTION Water Water FUEL CONS. at 100% (L.T.P.) 98.5 l/h Fuel Cons. at 100% (P.R.P) 87.5 l/h A8.6 l/h Fuel Cons. at 25% (P.R.P.) 48.6 l/h A6.6 l/h A6.6 l/h Fuel Cons. at 25% (P.R.P.) 54.6 l/h A6.6 l/h	Engine brand	FPT IVECO	FPT IVECO	
Speed 1500 r.p.m. Cubic capacity 12.90 I Air intake Turbocharged Vdc Vdc Standard voltage 24 Vdc Vdc Vdc Vdc Sae Vdc Vdc Vdc Vdc Sae I-14 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Engine model	C13TE3A		
Cubic capacity 12.90 1 Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2259 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 352.0 kW Flywheel Stand-by Power 387.0 kW Fuel Cons. at 100% (L.T.P.) 98.5 l/h Fuel Cons. at 100% (P.R.P) 87.5 l/h Fuel Cons. at 50% (P.R.P.) 48.6 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS 35.0 l Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from exhaust 299.6 kW Heat from radiator 157.6 kW Heat from radiation 13.6 kW EXHAUST DATA EXHAUST DATA EXHAUST DAT	Cylinders	6	nr.	
Air intake Turbocharged Standard voltage 24 Vdc Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2259 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 352.0 kW Flywheel Stand-by Power 387.0 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 98.5 l/h Fuel Cons. at 100% (P.R.P) 87.5 l/h Fuel Cons. at 75% (P.R.P.) 68.0 l/h Fuel Cons. at 50% (P.R.P.) 48.6 l/h Fuel Cons. at 50% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from radiator 157.6 kW Heat from radiator 13.6 kW EXHAUST DATA Exhaust temperature 445 ℃ Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Speed	1500	r.p.m.	
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Optional voltage Vdc Vdc Sae 1-14 BMEP 2259 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 352.0 kW Flywheel Stand-by Power 387.0 kW FUEL CONSUMPTION FUEL CONS. at 100% (L.T.P.) 98.5 l/h Fuel Cons. at 100% (P.R.P) 87.5 l/h Fuel Cons. at 55% (P.R.P.) 48.6 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from radiator 157.6 kW Heat from radiation 13.6 kW EXHAUST DATA EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Conbustion air flow 29.50 m³/min	Air intake	Turbocharge	d	
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Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from exhaust 299.6 kW Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Fuel Cons. at 100% (P.R.P)	87.5	87.5 l/h	
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from exhaust 299.6 kW Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Fuel Cons. at 75% (P.R.P.)	68.0	68.0 l/h	
SPEED REGULATION Electronic regulator Standard Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from exhaust 299.6 kW Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Fuel Cons. at 50% (P.R.P.)	48.6	l/h	
Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 35.0 l Antifreeze quantity 19.5 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 157.6 kW Heat from exhaust 299.6 kW Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Fuel Cons. at 25% (P.R.P.)	- I/h	- I/h	
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Heat from exhaust 299.6 kW Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	HEAT FROM ENGINE			
Heat from radiation 13.6 kW EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Heat from radiator	157.6	157.6 kW	
EXHAUST DATA Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Heat from exhaust	299.6	299.6 kW	
Exhaust temperature 445 °C Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	Heat from radiation	13.6 kW		
Cooling air flow 408.00 m³/min Combustion air flow 29.50 m³/min	EXHAUST DATA			
Combustion air flow 29.50 m³/min	Exhaust temperature	445°	С	
2700 11711111	Cooling air flow	408.0	408.00 m³/min	
Exhaust gas flow 76.70 m³/min	Combustion air flow	29.50	29.50 m³/min	
	Exhaust gas flow	76.70 m³/min		

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

Alternator

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

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

Terminal Number	12 nr.	
ALTERNATOR PROTECTION		
IP Protection	23	

VOLTAGE REGULATOR	
Electronic regulator	AS440
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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