

TECHNICAL DATASHEET / GALAXY-P 100 SS

24 HOUR SERVICE 7000 4994

Performance

Continuous power (PRP)	100.0	(KVA)
Continuous power (PRP)	80.0	(KW)
Stand-by power (LTP)	110.0	(KVA)
Stand-by power (LTP)	88.0	(KW)
Power factor	0.8	

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

DIMENSIONS AND NOISE LEVEL		
Width	1040	mm
Length	2560	mm
Height	1805	mm
Weight	1605	kg
Sound pressure 7 m.	65.0	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

- 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	Engine brand	PERKINS	PERKINS	
Speed	Engine model	1104C-44TAG	2	
Cubic capacity 4.400 cm² Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1702 kPa Cooling Water Water ENGINE POWER FUywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 93.6 kW W FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P.) 22.6 l/h Fuel Cons. at 100% (P.R.P.) 17.1 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Standard Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Standard B.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min Combustion air flow <td< td=""><td>Cylinders</td><td>4</td><td>nr.</td></td<>	Cylinders	4	nr.	
Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP BMEP 1702 kPa Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 93.6 kW Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 25% (P.R.P.) 11.1 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Electronic regulator Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation	Speed	1500	r.p.m.	
Standard voltage	Cubic capacity	4.400	cm ³	
Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1702 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 93.6 kW FW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 75% (P.R.P.) 17.1 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min Combustion air flow 6.01 m³/min <td>Air intake</td> <td>Turbocharge</td> <td>d</td>	Air intake	Turbocharge	d	
Sae 3-11 1/2 BMEP 1702 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min Combustion air flow 6.01 m³/min	Standard voltage	12 Vdc	Vdc	
BMEP 1702 kPa Cooling Water ENGINE POWER Value Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h 1.1 l/h Fuel Cons. at 100% (P.R.P.) 17.1 l/h 1.2 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h 1.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS 0il quantity 8.0 l 4.1 kW Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE 46.1 kW Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min 6.01 m³/min Combustion air flow 6.01 m³/min	Optional voltage	Vdc	Vdc	
ENGINE POWER Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 50% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Sae	3-11 1/2		
ENGINE POWER Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 50% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min Combustion air flow 6.01 m³/min	ВМЕР	1702	kPa	
Flywheel P.R.P. Power 93.6 kW Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 75% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiator 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min	Cooling	Water		
Flywheel Stand-by Power 102.5 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 75% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.0 l m³/min Combustion air flow 6.0 l m³/min	ENGINE POWER			
FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 I/h Fuel Cons. at 100% (P.R.P) 22.6 I/h Fuel Cons. at 75% (P.R.P.) 17.1 I/h Fuel Cons. at 50% (P.R.P.) 11.2 I/h Fuel Cons. at 25% (P.R.P.) - I/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 I Antifreeze quantity 7.0 I Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 6.01 m³/min Combustion air flow 6.01 m³/min	Flywheel P.R.P. Power	93.6	kW	
Fuel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 75% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Flywheel Stand-by Power	102.5	kW	
Fuel Cons. at 100% (P.R.P) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	FUEL CONSUMPTION			
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Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Fuel Cons. at 100% (P.R.P)	22.6	l/h	
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Fuel Cons. at 75% (P.R.P.)	17.1	17.1 l/h	
SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Fuel Cons. at 50% (P.R.P.)	11.2 l/h		
Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Fuel Cons. at 25% (P.R.P.)	- I/h		
Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	SPEED REGULATION			
ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Electronic regulator	Stan	dard	
Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Precision class	G3	G3	
Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	ENGINE DIMENSIONS AND LIQUIDS			
Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Oil quantity	8.0 l		
HEAT FROM ENGINE Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Antifreeze quantity	7.0 l		
Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Radiator standard	IM50		
Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	HEAT FROM ENGINE			
Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Heat from radiator	46.1	kW	
EXHAUST DATA Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Heat from exhaust	71.7	71.7 kW	
Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	Heat from radiation	6.8 kW		
Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min	EXHAUST DATA			
Combustion air flow 6.01 m³/min	Exhaust temperature	514	°C	
	Cooling air flow	165.	165.60 m ³ /min	
Exhaust gas flow 15.20 m³/min	Combustion air flow	6.01 m³/min		
	Exhaust gas flow	15.20 m³/min		

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

Alternator

Alternator brand	STAMFORD	
Alternator model	UCI274C	
PRP Power	100.0 kVA	
LTP Power	110.0 kVA	

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

Terrimat Number	12111.	
ALTERNATOR PROTECTION		
IP Protection	23	

VOLTAGE REGULATOR	
Electronic regulator	SX460
Precision	1.5 ±%

Baseframe

Model	GV060HD
Capacity	160 l

Canopy & Silencer

Canopy model	GV060
Silencer model	MSR/a 65
Silencer outlet diameter	76.0 mm

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