

TECHNICAL DATASHEET / GALAXY-P 80 GX

24 HOUR SERVICE 7000 4994

Performance

Continuous power (PRP)	80.0	(KVA)
Continuous power (PRP)	64.0	(KW)
Stand-by power (LTP)	88.0	(KVA)
Stand-by power (LTP)	70.4	(KW)
Power factor	0.8	

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

DIMENSIONS AND NOISE LEVEL		
Width	1040	mm
Length	2260	mm
Height	1820	mm
Weight	1500	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.

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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 1104A-44T62 Cylinders 4 nr. Speed 1500 r.p.m. Cubic capacity 4,400 cm³ Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1325 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 50% (P.R.P.) 14.0 l/h Fuel Cons. at 55% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oit quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiator 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Exhaust gas flow 12.50 m³/min	Engine brand	PERKINS		
Speed	Engine model	1104A-44TG2		
Cubic capacity 4.400 cm² Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1325 kPa Cooling Water Water ENGINE POWER FUNDED CONSUMPTION FUNDED CONSUMPTION FUNDED CONSUMPTION FUNDED CONSUMPTION FUNDED CONSUMPTION FUNDED CONSUMPTION 18.7 1/h FUNDED CONSUMPTION 5.2 1/h FUNDED CONSUMPTION FUNDED	Cylinders	4	nr.	
Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP BMEP 1325 kPa Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 73.4 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 25% (P.R.P.) 14.0 l/h Fuel Cons. at 25% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS 01 quantity 0il quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA 2555 °C Cooling air flow	Speed	1500	r.p.m.	
Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1325 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW Fuel Cons. at 100% (L.T.P.) 20.5 1/h Fuel Cons. at 100% (P.R.P) 18.7 1/h Fuel Cons. at 100% (P.R.P.) 9.7 1/h Fuel Cons. at 50% (P.R.P.) 9.7 1/h Fuel Cons. at 25% (P.R.P.) 5.2 1/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIOUIDS 01 quantity Antifreeze quantity 7.0 1 Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 4.8 m³/min	Cubic capacity	4.400	cm ³	
Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1325 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW Fuel Cons. at 100% (LT.P.) Fuel Cons. at 100% (LT.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 75% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 9.7 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 3.0 it quantity 8.0 t Antifreeze quantity 7.0 t Radiator standard IM50 Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 4.8 m³/min	Air intake	Turbocharged	I	
Sae 3-11 1/2 BMEP 1325 kPa Cooling Water ENGINE POWER Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P.) 14.0 l/h Fuel Cons. at 75% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow <td rowspan<="" td=""><td>Standard voltage</td><td>12 Vdc</td><td>Vdc</td></td>	<td>Standard voltage</td> <td>12 Vdc</td> <td>Vdc</td>	Standard voltage	12 Vdc	Vdc
BMEP 1325 kPa Cooling Water ENGINE POWER Value Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 75% (P.R.P.) 18.7 l/h Fuel Cons. at 50% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS 01 Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Optional voltage	Vdc	Vdc	
ENGINE POWER Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 50% (P.R.P.) 14.0 l/h Fuel Cons. at 50% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Sae	3-11 1/2		
### ENGINE POWER Flywheel P.R.P. Power Flywheel Stand-by Power ### 80.6 kW ### FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) ### Fuel Cons. at 100% (P.R.P) ### Fuel Cons. at 100% (P.R.P.) ### Fuel Cons. at 50% (P.R.P.) ### Fuel Cons. at 50% (P.R.P.) ### Fuel Cons. at 25% (P.R.P.) ### Fuel Cons. at 25% (P.R.P.) ### SPEED REGULATION ### Electronic regulator ### On request ### Precision class ### G2 ### ENGINE DIMENSIONS AND LIQUIDS ### Oil quantity ### A.0 I ### Antifreeze quantity ### 7.0 I ### Radiator standard ### IM50 ### Heat from radiator ### 46.0 kW ### Heat from radiator ### 46.0 kW ### Heat from radiation ### 13.0 kW ### EXHAUST DATA ### Exhaust temperature ### 555 °C ### Cooling air flow ### Cooling air flow ### 69.00 m³/min ### Combustion air flow ### 48 m³/min	ВМЕР	1325	kPa	
Flywheel P.R.P. Power 73.4 kW Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 100% (P.R.P.) 18.7 l/h Fuel Cons. at 75% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 9.7 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS 0il quantity 0il quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE 46.0 kW Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Cooling	Water		
Flywheel Stand-by Power 80.6 kW FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 75% (P.R.P.) 14.0 l/h Fuel Cons. at 50% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator 0n request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	ENGINE POWER			
FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) Fuel Cons. at 100% (P.R.P) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 50% (P.R.P.) 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 7.0 I Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 60.5 I/h 18.7 I/h 14.0 I/h 9.7 I/h	Flywheel P.R.P. Power	73.4	kW	
Fuel Cons. at 100% (L.T.P.) 20.5 l/h Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 75% (P.R.P.) 14.0 l/h Fuel Cons. at 50% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Flywheel Stand-by Power	80.6	kW	
Fuel Cons. at 100% (P.R.P) 18.7 l/h Fuel Cons. at 75% (P.R.P.) 14.0 l/h Fuel Cons. at 50% (P.R.P.) 9.7 l/h Fuel Cons. at 25% (P.R.P.) 5.2 l/h SPEED REGULATION Electronic regulator On request Precision class 62 ENGINE DIMENSIONS AND LIQUIDS 01 Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 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 G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Fuel Cons. at 100% (P.R.P)	18.7	l/h	
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Fuel Cons. at 75% (P.R.P.)	14.0 l/h		
Electronic regulator On request Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Fuel Cons. at 50% (P.R.P.)	9.7 1/	/h	
Electronic regulator Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Fuel Cons. at 25% (P.R.P.)	5.2 l/h		
Precision class G2 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 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 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Electronic regulator	On re	equest	
Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Precision class			
Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	ENGINE DIMENSIONS AND LIQUIDS			
Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Oil quantity	8.01		
HEAT FROM ENGINE Heat from radiator Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Antifreeze quantity	7.0 l		
Heat from radiator 46.0 kW Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Radiator standard	IM50		
Heat from exhaust 53.0 kW Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	HEAT FROM ENGINE			
Heat from radiation 13.0 kW EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Heat from radiator	46.0	kW	
EXHAUST DATA Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Heat from exhaust	53.0 kW		
Exhaust temperature 555 °C Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	Heat from radiation	13.0	kW	
Cooling air flow 89.00 m³/min Combustion air flow 4.8 m³/min	EXHAUST DATA			
Combustion air flow 4.8 m³/min	Exhaust temperature	555 °	PC .	
	Cooling air flow	89.00	0 m³/min	
Exhaust gas flow 12.50 m³/min	Combustion air flow	4.8 m³/min		
	Exhaust gas flow	12.50	O m³/min	

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

Alternator

Alternator brand	STAMFORD
Alternator model	UCI224G
PRP Power	85.0 kVA
LTP Power	90.8 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	SX460
Precision	01.5 ±%

Baseframe

Model	GV030HD
Capacity	160 l

Canopy & Silencer

Canopy model	GV030
Silencer model	MSR/a 50
Silencer outlet diameter	60.0 mm

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