TECHNICAL DATASHEET P 80 GX

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GALAXY “GX”

For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**85.00**	kVA
Continuous power (PRP)	**68.00**	kW
Emergency power (E.P.)	**90.80**	kVA
Emergency power (E.P.)	**72.64**	kW
VAC - HZ - cos(fi)	**380 - 60 - 0.8**	
Sound pressure 7 m.	**69.0**	dBA

ENGINE

Description	PERKINS	
Engine model	1104A-44TG2	
Cylinders	4	
RPM speed	1800	
Cubic capacity	4.40	l
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage	24	Vdc
Sae	3-11½	
BMEP	1280	kPa
Cooling	Water	
Flywheel P.R.P. Power net	82.0	kW
Flywheel E.P. Power net	90.2	kW
Fuel Cons. at 100% (E.P.)	24.4	l/h
Fuel Cons. at 100% (P.R.P)	22.3	l/h
Fuel Cons. at 75% (P.R.P.)	16.9	l/h
Fuel Cons. at 50% (P.R.P.)	11.9	l/h
Fuel Cons. at 25% (P.R.P.)	6.5	l/h
Electronic regulator	On request	
Precision class	G2	
Oil quantity	8.0	l
Engine Antifreeze capacity	7.0	l
Radiator type	TR	
Heat from radiator	53.0	kW
Heat from exhaust	68.0	kW
Heat from radiation	14.0	kW
Exhaust temperature	535	°C
Portata Raffreddamento	111.0	m³/min
Combustion air flow	6.2	m³/min
Exhaust gas flow	15.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

DIMENSIONS AND WEIGHT

Width	1040	mm
Length	2260	mm
Height	1820	mm
Weight	1420	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	UCI224G	
P.R.P. Power	85.0	kVA
E.P. Power	90.8	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME

Model	GV030HD	
Standard tank	160	l
Optional tank	70	l
Oversized tank*	0	l

CANOPY & SILENCER

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

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 ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer. **E.P. - Emergency power:** This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.