V 450 GX

GALAXY “GX”

For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**430.00**	kVA
Continuous power (PRP)	**344.00**	kW
Emergency power (E.P.)	**475.00**	kVA
Emergency power (E.P.)	**380.00**	kW
VAC - HZ - cos(fi)	**380 - 50 - 0.8**	
Sound pressure 7 m.	**70.0**	dBA

ENGINE

Description	VOLVO-PENTA	
Engine model	TAD1345GE-B	
Cylinders	6	
RPM speed	1500	
Cubic capacity	12.78	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2500	kPa
Cooling	Water	
Flywheel P.R.P. Power net	388.0	kW
Flywheel E.P. Power net	431.0	kW
Fuel Cons. at 100% (E.P.)	100.6	l/h
Fuel Cons. at 100% (P.R.P)	90.5	l/h
Fuel Cons. at 75% (P.R.P.)	68.2	l/h
Fuel Cons. at 50% (P.R.P.)	46.0	l/h
Fuel Cons. at 25% (P.R.P.)	25.1	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	36.0	l
Engine Antifreeze capacity	0.0	l
Radiator type	TR	
Heat from radiator	145.0	kW
Heat from exhaust	268.0	kW
Heat from radiation	15.0	kW
Exhaust temperature	475	°C
Portata Raffreddamento	0.0	m³/min
Combustion air flow	26.8	m³/min
Exhaust gas flow	0.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	2	

DIMENSIONS AND WEIGHT

Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4770	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	S4L1D-G	
P.R.P. Power	430.0	kVA
E.P. Power	475.0	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %

BASEFRAME

Model	GV151/00/00	
Standard tank	800	l
Optional tank	0	l
Oversized tank*	1800	l

CANOPY & SILENCER

Canopy model	GV151	
Silencer model	MSR/a 125	
Silencer outlet diameter	140.0	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.