V 505 GX

GALAXY “GX”

For illustrative purposes only

ENGINE

Description	VOLVO-PENTA	
Engine model	TAD1641GE	
Cylinders	6	
RPM speed	1500	
Cubic capacity	16.12	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	2133	kPa
Cooling	Water	
Flywheel P.R.P. Power net	430.0	kW
Flywheel E.P. Power net	473.0	kW
Fuel Cons. at 100% (E.P.)	112.0	l/h
Fuel Cons. at 100% (P.R.P)	101.0	l/h
Fuel Cons. at 75% (P.R.P.)	75.0	l/h
Fuel Cons. at 50% (P.R.P.)	51.0	l/h
Fuel Cons. at 25% (P.R.P.)	30.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	48.0	l
Engine Antifreeze capacity	28.0	l
Radiator type	TR	
Heat from radiator	30.0	kW
Heat from exhaust	326.0	kW
Heat from radiation	172.0	kW
Exhaust temperature	475	°C
Portata Raffreddamento	575.0	m³/min
Combustion air flow	32.0	m³/min
Exhaust gas flow	79.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	2	

MAIN DATA

Continuous power (PRP)	**500.00**	kVA
Continuous power (PRP)	**400.00**	kW
Emergency power (E.P.)	**546.00**	kVA
Emergency power (E.P.)	**436.80**	kW
VAC - HZ - cos(fi)	**400 - 50 - 0.8**	
Sound pressure 7 m.	**76.0**	dBA

DIMENSIONS AND WEIGHT

Width	1600	mm
Length	4810	mm
Height	2560	mm
Weight	5390	kg

ALTERNATOR

Description	MECC ALTE	
Alternator model	ECO40-3S/4	
P.R.P. Power	500.0	kVA
E.P. Power	546.0	kVA
Connection	Parallel star	
Phases	3FN	
Winding	12_800V	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	DER-1	
Precision	1.0	± %

BASEFRAME

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

CANOPY & SILENCER

Canopy model	GV151/00/1	
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.