TECHNICAL DATASHEET V 505 GX



V 505 GX





GALAXY "GX"



For	illustr	ative	purp	oses	only

Description VOLVO-PENTA Engine model TAD1641GE Cylinders 6 RPM speed 1500 Cubic capacity 16.12 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 50% (P.R.P.) 75.0 l/h Fuel Cons. at 55% (P.R.P.) 30.0 l/h Fuel Cons. at 55% (P.R.P.) 30.0 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 radiator 30.0 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 Stage	ENGINE		
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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	Heat from exhaust	326.0	kW
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	Heat from radiation	172.0	kW
Combustion air flow 32.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	475	°C
Exhaust gas flow 79.0 m³/min TA Luft N TA Luft/2 N EPA N	Portata Raffreddamento	575.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	32.0	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	79.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage 2	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 I
Optional tank	0 1
Oversized tank*	1800 I

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.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.