



BD 500 GX

TECHNICAL DATASHEET BD 500 GX



GALAXY "GX"



For illustrative purposes only

ENGINE

Description	BAUDOUIN
Engine model	6M21G550/5
Cylinders	6
RPM speed	1500
Cubic capacity	12.54 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	1-14
BMEP	3126 kPa
Cooling	Water
Flywheel P.R.P. Power net	438.0 kW
Flywheel E.P. Power net	478.0 kW
Fuel Cons. at 100% (E.P.)	123.1 l/h
Fuel Cons. at 100% (P.R.P.)	109.5 l/h
Fuel Cons. at 75% (P.R.P.)	75.3 l/h
Fuel Cons. at 50% (P.R.P.)	51.0 l/h
Fuel Cons. at 25% (P.R.P.)	27.8 l/h
Electronic regulator	Standard
Precision class	G3
Oil quantity	38.0 l
Engine Antifreeze capacity	25.0 l
Radiator type	TR
Heat from radiator	321.9 kW
Heat from exhaust	386.4 kW
Heat from radiation	62.1 kW
Exhaust temperature	580 °C
Portata Raffreddamento	474.0 m³/min
Combustion air flow	34.8 m³/min
Exhaust gas flow	114.8 m³/min
TA Luft	N
TA Luft/2	N
EPA	N
Stage	N

MAIN DATA

Continuous power (PRP)	500.00 kVA
Continuous power (PRP)	400.00 kW
Emergency power (E.P.)	550.00 kVA
Emergency power (E.P.)	440.00 kW
VAC - HZ - cos(fi)	400 - 50 - 0.8
Sound pressure 7 m.	75.0 dBA

DIMENSIONS AND WEIGHT

ALTERNATOR

Description	VISA
Alternator model	VISA0540
P.R.P. Power	538.0 kVA
E.P. Power	615.0 kVA
Connection	Star
Phases	3FN
Winding	6STD
Terminal Number	6 nr.
IP Protection	23
Electronic regulator	VVR10
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.

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.

