



BD 450 GX

TECHNICAL DATASHEET BD 450 GX



GALAXY "GX"



For illustrative purposes only

ENGINE

Description	BAUDOUIN
Engine model	6M21G500/5
Cylinders	6
RPM speed	1500
Cubic capacity	12.54 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	1-14
BMEP	2871 kPa
Cooling	Water
Flywheel P.R.P. Power net	388.0 kW
Flywheel E.P. Power net	429.0 kW
Fuel Cons. at 100% (E.P.)	110.1 l/h
Fuel Cons. at 100% (P.R.P.)	95.9 l/h
Fuel Cons. at 75% (P.R.P.)	69.6 l/h
Fuel Cons. at 50% (P.R.P.)	46.6 l/h
Fuel Cons. at 25% (P.R.P.)	26.4 l/h
Electronic regulator	Standard
Precision class	G3
Oil quantity	32.0 l
Engine Antifreeze capacity	25.0 l
Radiator type	TR
Heat from radiator	649.6 kW
Heat from exhaust	328.0 kW
Heat from radiation	54.6 kW
Exhaust temperature	580 °C
Cooling air flow	550.0 m³/min
Combustion air flow	28.7 m³/min
Exhaust gas flow	99.0 m³/min
TA Luft	N
TA Luft/2	N
EPA	N
Stage	N

MAIN DATA

Continuous power (PRP)	450.00 kVA
Continuous power (PRP)	360.00 kW
Emergency power (E.P.)	500.00 kVA
Emergency power (E.P.)	400.00 kW
VAC - HZ - cos(fi)	400 - 50 - 0.8
Sound pressure 7 m.	75.0 dBA

DIMENSIONS AND WEIGHT

ALTERNATOR

Description	VISA
Alternator model	VISA0450
P.R.P. Power	450.0 kVA
E.P. Power	515.0 kVA
Connection	Series star
Phases	3FN
Winding	12STD
Terminal Number	12 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.

