



V 590 GX

TECHNICAL DATASHEET V 590 GX



GALAXY "GX"



For illustrative purposes only

ENGINE

Description	VOLVO-PENTA
Engine model	TAD1642GE-B
Cylinders	6
RPM speed	1500
Cubic capacity	16.12 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	1-14
BMEP	2800 kPa
Cooling	Water
Flywheel P.R.P. Power net	503.0 kW
Flywheel Stand-by Power net	554.0 kW
Fuel Cons. at 100% (L.T.P.)	134.4 l/h
Fuel Cons. at 100% (P.R.P.)	130.3 l/h
Fuel Cons. at 75% (P.R.P.)	90.1 l/h
Fuel Cons. at 50% (P.R.P.)	60.9 l/h
Fuel Cons. at 25% (P.R.P.)	32.2 l/h
Electronic regulator	Standard
Precision class	G3
Oil quantity	48.0 l
Engine Antifreeze capacity	33.0 l
Radiator type	TR
Heat from radiator	112.0 kW
Heat from exhaust	379.0 kW
Heat from radiation	18.0 kW
Exhaust temperature	456 °C
Portata Raffreddamento	444.0 m³/min
Combustion air flow	0.0 m³/min
Exhaust gas flow	94.4 m³/min
TA Luft	N
TA Luft/2	N
EPA	N
Stage	2

MAIN DATA

Continuous power (PRP)	591.00 kVA
Continuous power (PRP)	472.80 kW
Stand-by power (LTP)	651.00 kVA
Stand-by power (LTP)	520.80 kW
VAC - HZ - cos(fi)	415 - 50 - 0.8
Sound pressure 7 m.	72 dBA

DIMENSIONS AND WEIGHT

ALTERNATOR

Description	MECC ALTE
Alternator model	ECO40 1.5L4 B
P.R.P. Power	625 kVA
L.T.P. Power	675 kVA
Connection	Parallel star
Phases	3FN
Winding	12_800V
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	DER-1
Precision	1 ± %

BASEFRAME

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

CANOPY & SILENCER

Canopy model	GV151/00/1
Silencer model	MSR/a 125
Silencer outlet diameter	140 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.

L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

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.

