TECHNICAL DATASHEET F 301 GX

F 301 GX

GALAXY “GX”

For illustrative purposes only

ENGINE

Description	FPT IVECO	
Engine model	C87TE4	
Cylinders	6	
RPM speed	1500	
Cubic capacity	8.70	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	1-14	
BMEP	0	kPa
Cooling	Water	
Flywheel P.R.P. Power net	275.0	kW
Flywheel E.P. Power net	299.0	kW
Fuel Cons. at 100% (E.P.)	72.4	l/h
Fuel Cons. at 100% (P.R.P)	66.6	l/h
Fuel Cons. at 75% (P.R.P.)	49.3	l/h
Fuel Cons. at 50% (P.R.P.)	37.3	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	28.0	l
Engine Antifreeze capacity	15.0	l
Radiator type	TR	
Heat from radiator	202.0	kW
Heat from exhaust	238.0	kW
Heat from radiation	25.0	kW
Exhaust temperature	488	°C
Portata Raffreddamento	340.0	m³/min
Combustion air flow	18.1	m³/min
Exhaust gas flow	49.4	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

MAIN DATA

Continuous power (PRP)	**300.00**	kVA
Continuous power (PRP)	**240.00**	kW
Emergency power (E.P.)	**330.00**	kVA
Emergency power (E.P.)	**264.00**	kW
VAC - HZ - cos(fi)	**400 - 50 - 0.8**	
Sound pressure 7 m.	**72.0**	dBA

DIMENSIONS AND WEIGHT

Width	1350	mm
Length	4270	mm
Height	2370	mm
Weight	3350	kg

ALTERNATOR

Description	MECC ALTE	
Alternator model	ECO38-2LN/4	
P.R.P. Power	300.0	kVA
E.P. Power	330.0	kVA
Connection	Series star	
Phases	3FN	
Winding	12STD	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	DSR	
Precision	1.0	± %

BASEFRAME

Model	GV121	
Standard tank	500	l
Optional tank	0	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	GV121/00/1	
Silencer model	MSR/a 100	
Silencer outlet diameter	114.0	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.