

GALAXY - F83 GX "VM"

ENCLOSURE TYPE: GALAXY VM



ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY AND MAY SHOW OPTIONAL EQUIPMENT. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT.

MAIN DATA

Continuous Power (PRP)	83.0 kVA
Continuous Power (PRP)	66.4 kW
Stand-by Power (LTP)	91.3 kVA
Stand-by Power (LTP)	73.0 kW
Voltage · Frequency · Power Factor	400V·50Hz·0.8cosφ
LwA Measured sound power level	92.7 dBA
LwA Guaranteed sound power level	96.0 dBA
Sound pressure 7 metres	64.0 dBA

DIMENSIONS AND WEIGHT

Width	1130 mm*
Length	2970 mm*,***
Height	1870 mm
Weight	1990 kg

GENERAL DATA

ENGINE

Engine brand	FPT-IVECO	
Engine model	N45 TE1F	
Cylinders	4	nr
Speed	1500	r.p.m.
Cubic capacity	4.50	l
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage	-	Vdc
Sae	3-11 ^{1/2}	
BMEP	1777	kPa
Cooling	Water	
Flywheel P.R.P. Power	72.5	kW
Flywheel Stand-by Power	80.0	kW
Fuel Cons. at 100% (L.T.P.)	20.5	l/h
Fuel Cons. at 100% (P.R.P.)	18.8	l/h
Fuel Cons. at 75% (P.R.P.)	14.7	l/h
Fuel Cons. at 50% (P.R.P.)	11.5	l/h
Fuel Cons. at 25% (P.R.P.)	-	l/h
Engine speed regulator	Electronic	
Precision class	-	
Oil quantity	8.5	l
Engine Antifreeze capacity	18.5	l
Heat from radiator	38.0	kW
Heat from exhaust	57.4	kW
Heat from radiation	7.7	kW
Exhaust temperature	430.0	°C
Cooling air flow	132.0	m ³ /min
Combustion air flow	500.0	kg/h
Exhaust gas flow	517.0	kg/h
Emissions	STAGE IIIA	EU

ALTERNATOR

Alternator brand	STAMFORD	
Alternator model	UCI224G	
P.R.P. Power	85.0	kVA
L.T.P. Power	90.8	kVA
Connection	Series Star	
Phases	3F+N	
Winding	12 term. W 311	
Terminal Number	12	nr
IP Protection	23	
Electronic regulator	SX460	
Precision	1.5	+/-%

BASEFRAME

Model	GV085	
Long range fuel tank	480	l
Hours of operation at 75% of load	30	h
	-	

CANOPY & SILENCER

Canopy model	GV085	
Silencer model	-	
Silencer outlet diameter	-	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.

