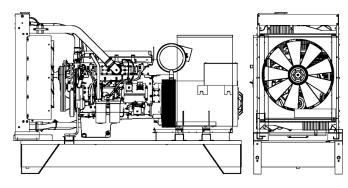
## **TECHNICAL DATASHEET F 83 B**





## **POWERFULL "B"**



F 83 B

MAIN DATA	
Continuous power (PRP)	83.00 kVA
Continuous power (PRP)	66.40 kW
Emergency power (E.P.)	90.80 kVA
Emergency power (E.P.)	72.64 <sup>kW</sup>
VAC - HZ - cos(fi)	400 - 50 - 0.8

## **DIMENSIONS AND WEIGHT**

Width	960	mm
Length	1900	mm
Height	1420	mm
Weight	1050	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	UCI224G	
P.R.P. Power	85.0	kVA
E.P. Power	90.8	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1.0	± %
BASEFRAME		
Model	T1	
Standard tank	160	I
Optional tank	0	I
Oversized tank*	0	l
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 15	

Silencer model	MS 15	
Silencer outlet diameter	70.0	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 IS08528-1. 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. He average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

For illustrative purposes only

## ENGINE

ENGINE		
Description	FPT IVECO	
Engine model	N45TE1F	
Cylinders	4	
RPM speed	1500	
Cubic capacity	4.50	I
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage		Vdc
Sae	3-111/2	
BMEP	1777	kPa
Cooling	Water	
Flywheel P.R.P. Power net	72.7	kW
Flywheel E.P. Power net	80.2	kW
Fuel Cons. at 100% (E.P.)	20.5	l/h
Fuel Cons. at 100% (P.R.P)	18.8	l/h
Fuel Cons. at 75% (P.R.P.)	15.7	l/h
Fuel Cons. at 50% (P.R.P.)	11.5	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Electronic regulator	Standard	
Precision class	G2	
Oil quantity	12.8	I
Engine Antifreeze capacity	8.5	I
Radiator type	TR	
Heat from radiator	48.4	kW
Heat from exhaust	57.4	kW
Heat from radiation	7.7	kW
Exhaust temperature	430	°C
Portata Raffreddamento	132.0	m³/min
Combustion air flow	8.0	m³/min
Exhaust gas flow	17.0	m³/min
TA Luft	Ν	
TA Luft/2	Ν	
EPA	Ν	
Stage	3	

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.

Visa S.p.A. s.u. is subject to management and coordination of IPG S.p.A., via dei Mercanti 12 - Milano Company registration Office n. 12616930967