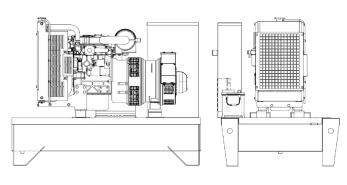


TECHNICAL DATASHEET F 120 B





POWERFULL "B"



For illustrative purposes only

ENGINE

ENGINE		
Description	FPT IVECO	
Engine model	N45TM3	
Cylinders	4	
RPM speed	1500	
Cubic capacity	4.50	I
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage	24	Vdc
Sae	3-11½	
BMEP	1937	kPa
Cooling	Water	
Flywheel P.R.P. Power net	107.2	kW
Flywheel E.P. Power net	118.2	kW
Fuel Cons. at 100% (E.P.)	30.4	l/h
Fuel Cons. at 100% (P.R.P)	27.6	l/h
Fuel Cons. at 75% (P.R.P.)	20.4	l/h
Fuel Cons. at 50% (P.R.P.)	14.4	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Electronic regulator	On request	
Precision class	G2	
Oil quantity	12.8	I
Engine Antifreeze capacity	8.5	I
Radiator type	TR	
Heat from radiator	46.6	kW
Heat from exhaust	82.0	kW
Heat from radiation	0.0	kW
Exhaust temperature	540	°C
Portata Raffreddamento	132.0	m³/min
Combustion air flow	0.0	m³/min
Exhaust gas flow	20.3	m³/min
TA Luft	Ν	
TA Luft/2	Ν	
EPA	Ν	
Stage	Ν	

MAIN DATA	
Continuous power (PRP)	124.00 KVA
Continuous power (PRP)	99.20 kW
Emergency power (E.P.)	135.00 kVA
Emergency power (E.P.)	108.00 kW
VAC - HZ - cos(fi)	415 - 50 - 0.8

DIMENSIONS AND WEIGHT

Width	960	mm
Length	2040	mm
Height	1520	mm
Weight	1110	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	UCI274E	
P.R.P. Power	140.0	kVA
E.P. Power	150.0	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	Ι
CANOPY & SILENCER		
Canopy model	SENZA COFANO	
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 ISO8528-1. The average stated by the Manufacturer. **E.P. - Emergency power:** This is the maximum power that a generating set can eliver 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 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 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.

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