

Rental Range Mod. RFPT100SP/3A

SP Soundproofed Series

Engine
FPT N45TE2F

Alternator
Stamford – UC1274C



Power

	PRP	LTP
Power in KVA	100	110
Power in KW	80	88

General Specifications

Revolutions [RPM]	1500
Voltage(s) [V]	400/230
Frequency [Hz]	50
Cos (Ø) [0-1]	0,8

Legend

- **PRP (Prime Power):** Maximum power supplied by the generating set for continuous periods of time and with variable loads.
- **LTP (Limited Time running Power):** Maximum power supplied by the generator for short and punctual emergency use periods. Generally about 10% more power of the PRP.
- **KVA (Kilovolt-ampere):** The most common unit for measuring the power of a generator. 1 KVA is equivalent to approximately 0.8 kilowatts power.

Emissions certificate

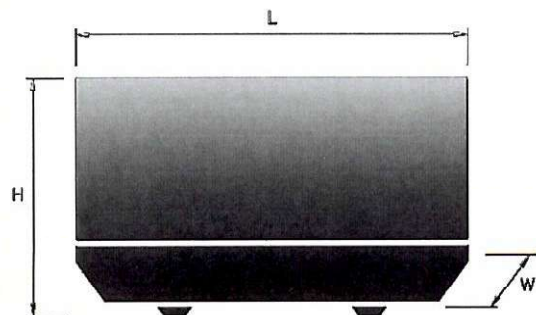
This model complies with the European Regulation 26/86/2011 on IIIA gas emissions.

Consumption

	litres/hour
50%	13,4
75%	18,7
100%	22,8

Measurements and weight

Length (L) [mm]	3140
Width (W) [mm]	1210
Height (H) [mm]	2000
Volume [m ³]	7.6
Weight With Fuel Kg	3190
Fuel tank Ltr	600
Autonomy 75% Hours	32



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Engine features

Brand - Model
 FPT - N45TE2F
Refrigeration
 Water

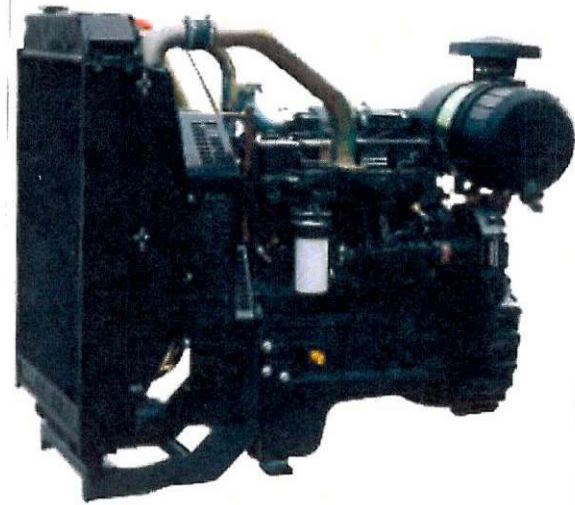
The engine provides the necessary mechanical energy source to turn the alternator and generate electricity. The diesel engines are the most use in the AEM generators due to its reliability and its mechanical, ecological and economic benefits.

Engine data

	PRP	LTP
Power in KW	89	98
Engine type	4-stroke	
Number of cylinders	4	
Displacement [L]	4,5	
Oil capacity [L]	12,8	
Oil consumption (100%) [% Comb.]	0,1	
Fuel consumption (100%)	-	
Bore / Stroke [mm]	104 x 132	
Compression	17.5	
Aspiration	Turbo	
Start-up System	-	
Type of regulation	Electronic	
Starter [KW]	3	
Battery [Ah]	120	

Flow - Installation

Refrigeration airflow [m³/h]	7920
Combustion air volume [m³/h]	525
Exhaust gas flow [m³/h]	-
Exhaust gas temperature [°C]	460



Remarks: The powers of diesel engines for stationary applications make reference to the following environmental conditions according to ISO 3046/1:

- Ambient temperature: 25°C
- Atmospheric pressure: 1000 mbar (750 mm/Hg)
- Relative humidity: 30%

Additional information will be included in the Engine Manual supplied with the AEM generating set. For further information please do not hesitate to contact us without any obligation.