



Output Rating

Generating set Model	M12.5SP
240V, 60Hz	12.5kVA
	12.5kW
	Rating at 1.0pf

Rating Definitions

Standby Power – Model M12.5SP

These ratings are applicable for supplying continuous electrical power (at variable load) in event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3).

Technical Data

Engine Model	Mahindra 2185 GMX
Alternator Model	LSC 28S
Number of cylinders	2
Cubic Capacity : cc	1365
Bore / Stroke: mm	88.9 / 110
Compression ratio	19.5:1
Aspiration	Natural
Frequency: Hz	60
Engine Speed: rpm	1800
Gross Engine Power: hp	20
BMEP: kPo	780
Piston Speed m/sec:	5.5
Fuel Tank Capacity: Litres	150
Fuel Consump, M12.5SP: l/hr	3.62
Heat Rejection to Exhaust System: kW	8.9
Heat Rejection to Cooling System: kW	11.1
Total Radiated Heat: kW	0.7
Exhaust Temperature: °C	510
Radiator Cooling Airflow : m ³ /min	58.5
Combustion Airflow: m ³ /min	1.12
Exhaust Gas Flow: m ³ /min	1.18



Note: Standard reference conditions 27°C (80°F) air Inlet Temp. 152.4m (500ft) A.S.L. 60% relative humidity. All engine performance data based on the above Mentioned maximum continuous ratings. Fuel consumption data at full load with Diesel fuel with specific gravity of 0.85 and conforming to BS2869:1998, Class A2

Generating Set comply with Govt. of India, Ministry of Environment & Forests Notification GSR 371 for noise and exhaust pollution.

The equipment meets with the following standards BS5514, BS4999, BS5000 IS4722 & IS10000.

Dimensions and Weights

Length : mm	Width: mm	Height: mm	Dry: kg	Wet: kg
1900	1000	1300	785	795
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Generating set pictured may include optional accessories

M12.5SP



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