



POWERING **YOUR** WORLD

Genset Technical Data Sheet

MODEL SERIES

PM9000EA



72 dB(A) @ 7m
Lo-Tone Exhaust



Manufactured in
United Kingdom



Modified in
South Africa



Technical Data

Standby Power	kVA	8.8
1 pf	kW	8.8
	Amps	33
Prime Power	kVA	8
1 pf	kW	8
	Amps	30
Speed	rpm	3000
Voltage Standard	V	230
Frequency	Hz	50

Maximum Operating Conditions w/o Deration

Ambient Temperature	Celsius	25
Relative Humidity	%	25
Altitude	meters	250

Performance Standards

25 degrees Celsius, < 250 meters altitude, relative humidity 25%, atmospheric pressure 100 kPA, balanced load, non distortional.

Generator Details

Performance Ratings

* Standby Power (ESP)

This rating is applicable for supplying emergency power for the duration of a MAINS utility power interruption. No overload is available for this rating.

* Base Load Power (BLP)

Please contact the manufacturer for ratings applicable to base load applications.

* Prime Power (PRP)

This rating is applicable for continuous operation for an unlimited number of hours in a variable load application. A 10% overload capability is available for a period of 1 hour within a 12 hour period of operation.

Engine

- * Briggs & Stratton, petrol, 4-stroke, air-cooled, naturally aspirated
- * Made in USA
- * Compact 305 Series engine
- * Single barrel carburetor
- * Low fuel consumption
- * Low noise emission level
- * Emission compliant (contact the manufacturer for compliance certificate)



Alternator

- * Briggs & Stratton, brush, AVR regulated, single bearing
- * Made in UK
- * Compact frame design
- * High reliability
- * Smooth output performance
- * Coated windings



Base Frame

- * Heavy duty roll over type with integrated long range fuel tank
- * With maintenance free battery
- * Heavy duty engine/alternator AV isolator mounts

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Generator Details

Engine Make	Briggs & Stratton	
Country Of Origin	USA	
Engine Model	305447	
Standby Power (kW)	12	
Prime Power (kW)	10.8	
Cylinders	2 in V formation	
Displacement (cc)	480	
Speed (rpm)	3000	
Bore & Stroke (mm)	68 x 66	
Aspiration	Natural	
Cooling	Air-cooled	
Oil Capacity (liters)	1.7	
Governor	Mechanical	

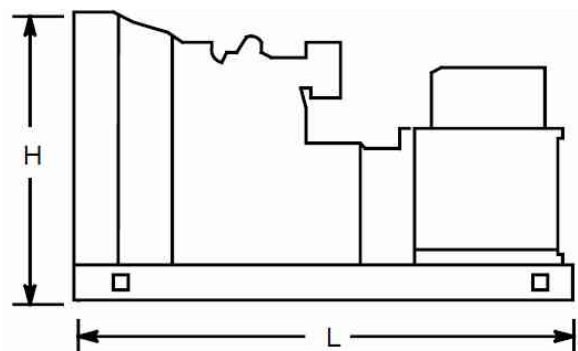
Standby Power (ESP)		
Voltage (V)	Current (A)	Power (kVA/kW)
220	---	8.8 / 8.8
230	33	8.8 / 8.8
240	---	8.8 / 8.8
Ratings @ 3000 RPM, 50Hz, 1 pf.		

Prime Power (PRP)		
Voltage (V)	Current (A)	Power (kVA/kW)
220	---	8 / 8
230	30	8 / 8
240	---	8 / 8
Ratings @ 3000 RPM, 50Hz, 1 pf.		

Alternator Make	Briggs & Stratton	
Country Of Origin	UK	
Alternator Model	BS9	
Alternator Type	Brush	
Standby Power (kVA)	8.8	(163/27 Deg)
Prime Power (kVA)	8	(125/40 Deg)
Phases	1	
Voltage (V)	230	
Voltage Accuracy	+/- 5%	
Frequency (Hz)	50	
Speed (rpm)	3000	
Protection Class	IP23	
Insulation Class	H	
Short Circuit Current	> 300% in	
Total Harmonic Content	---	
Total Harmonic Factor	---	
Transient Voltage Drop	---	
AVR Type	Analogic, BS9	
AVR Power Supply	Auxiliary	
Leads	6	
Electromagnetic Compatibility	---	

Fuel System		
Fuel Type	Petrol (unleaded)	
Fuel Tank Capacity (liters)	16	
Fuel Consumption (l/hour)	2.2 @ 50% load	
Fuel Consumption (l/hour)	3.1 @ 100% load	
These are factory tested fuel consumption figures.		

Dimensions & Weight		
Length (open)	(cm)	86
Width (open)	(cm)	58
Height (open)	(cm)	64
Dry Weight (open)	(kg)	132



Standard Control System



Electric Key Start

- * Frame mounted electric key start / stop system
- * Manual choke system
- * For manual starting and stopping
- * Low oil pressure shutdown protection
- * Circuit breaker protection
- * Heavy duty 2-pin + earth plug point
- * 2 X 2-pin Shuko plug points
- * Voltmeter

Optional Control System

Automated AMF + ATS Panel

- * Tecno Elettra AT3809A digital control module
- * For manual and automated starting and stopping
- * LCD readout screen for genset performance data
- * Alarm warnings and shutdown protection systems
- * CAN electronic engine communication compatibility
- * Full monitoring of engine, alternator and control panel
- * Emergency stop
- * 2-Pole circuit breaker and contactor protection
- * Electrically and mechanically interlocked changeover



Optional Wheel Kit



6145 Mobile Trolley Kit

- * Easy to fit bolt on system
- * Includes wheels, handles, stabilizer stand and lock pins
- * Suits new and old PM Series gensets
- * Comes packed in sealed box

Authorised Distributor

Manufacturers Details

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