Output Ratings

Generating Set Model	MP135	MP150E
380 – 415V, 50 Hz	135.0 KVA	150.0 KVA
	108.0 kW	120.0 kW
480V, 60 Hz	156.3 KVA	172.5 KVA
	125.0 kW	138.0 kW

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model MP135

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model MP150E

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator model is peak continuous rated (as defined in ISO 8528-3).

Technical Data

Engine Make/Model:	Perkins 1006TAG	
Alternator Make/Model:	Leroy Somer LSA44.3 M8	
No. of Cylinders/Alignment:	6 in-line	
Displacement: Litres (cu.in)	5.99 (365.5)	
Bore and Stroke: mm (in)	100 (3.9) x 127 (5.0)	
Compression ratio:	17.0:1	
Induction:	Turbocharged, air-to-air aftercooled	
Frequency:	**50 Hz**	**60 Hz**
Engine Speed: (rpm)	1500	1800
Gross Engine Standby Power: kW (hp)	141.0 (189.1)	158.5 (212.1)
Gross Engine Prime Power: kW (hp)	128.4 (172.2)	144.2 (193.4)
Coolant Capacity: Litres	37.2	37.2
Lube Oil Capacity: Litres	19.0	19.0
Fuel Tank Capacity: Litres (US Gal)	400 (105.7)	400 (105.7)
Fuel Consump, Prime : L/hr (USg/hr)	31.5 (8.3)	37.6 (9.9)
Fuel Consump, Standby: L/hr (USg/hr)	34.6 (9.1)	41.3 (10.9)
Exhaust Gas Flow m3/min (Ft3/min)	25.7 (908)	31.4 (1109)
Radiator Cooling Air Flow m3/min (Ft3/min)	154.0 (5439)	182.0 (6427)
Exhaust Temperature: °C (°F)	585 (1085)	551 (1024)
Combustion Air Flow: m3/min (Ft3/min)	8.78 (310)	11.17 (394)

Overview

Standard reference conditions: 25deg C (77deg F) air inlet temperature, 152.4m (500feet) above sea level, 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load for diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, class A2.

Generating set pictured may include optional accessories.
Contact your local Marapco dealer for power ratings at specific site conditions.

Marapco Ltd
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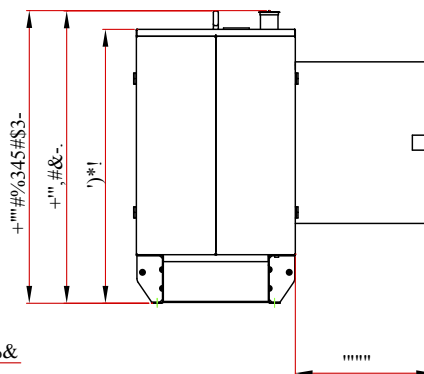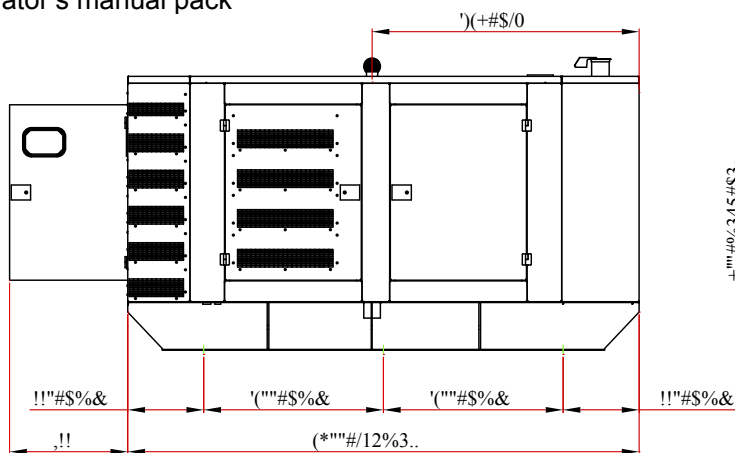**Your Partner In Power**

MP135/MP150E

Sound Attenuated Enclosure: Features

Sound attenuated enclosures are manufactured from heavy gauge galvanised sheet steel (polyester powder painted for rust-proofed protection).

The enclosures are fitted with extra-thick, high-density acoustic grade foam for superior performance. Access is provided by wide aperture lockable doors with corrosion resistant fasteners used throughout.

The residential silencer is mounted internally for enhanced performance and heavy-duty lifting eyes are provided on the baseframe.

- ▶ Polyester powder coated baseframe with earth stud
- ▶ Vibration isolators between genset and base
- ▶ Fuel tank with filler cap
- ▶ Flexible fuel lines
- ▶ Fuel tank level gauge
- ▶ Fuel /water separator
- ▶ Exhaust Silencer with Exhaust manifold stub pipe
- ▶ Wiring loom /harness, 3-pole circuit breaker
- ▶ Battery rack and cables on base frame & Earth Strap
- ▶ Heavy duty starting battery /batteries (dry charged)
- ▶ Emergency stop lock-down pushbutton
- ▶ Operator's manual pack

Dimensions	(mm)	(in)
Length	3,700	145.7
Height	1,975	77.8
Width	1,150	45.3
Total Height to Exhaust Rain Cap	2,110	83.1
Max. Horizontal Projection of Rear Door	855	33.7
Max. Horizontal Projection of Side Doors	1,000	39.4

Sound Pressue Levels	50Hz	60Hz
15m, 75% Load: dB (A)	63.4	65.5
15m, 100% Load: dB (A)	64.0	66.1
7m, 75% Load: dB (A)	69.4	71.7
7m, 100% Load: dB (A)	70.0	72.3
1m, 75% Load: dB (A)	78.8	81.4
1m, 100% Load: dB (A)	79.9	82.5

Weights	(kg)	(lbs)		(kg)	(lbs)
Dry (with Lube Oil)	2,812	6,199	Wet (with Lube Oil and Coolant)	3,152	6,949

MP135/MP150E

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