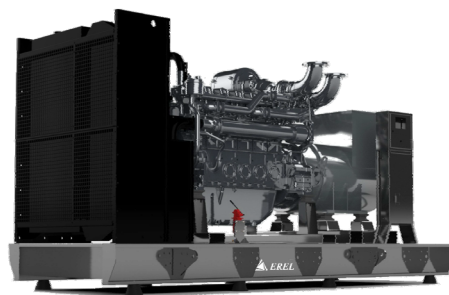


MP1100EM



Output Rating

Voltage	Frequency		Standby	Prime
400 V	50 Hz	KVA	1254	1135
		KW	1003	908

Rating Definitions

Ratings are in accordance with ISO 8528, ISO 3046, BS 5514.

Prime Rating

Applicable for supplying continuous electrical power (no limitation to annual hours of operation), at variable load, in lieu of utility power network; 10% overload is permitted for 1 hour in every 12 hours.

Standby Rating

Applicable for supplying continuous electrical power, at variable load, in the event of a utility power failure; no overload is permitted on standby ratings.

Standard Reference Conditions

Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

General Data

Engine Make	MTU
Engine Model	16V2000G36F
Alternator Make	Mecc-Alte
Alternator Model	ECO43-2M4A
Control Unit	DSE 7320
Engine Speed: RPM	1500
Fuel Tank Capacity (l)	1000
Fuel Consumption Standby (l/hr)	246.9
Fuel Consumption Prime (l/hr)	223.3
Fuel Consumption 75% (l/hr)	167.4
Fuel Consumption 50% (l/hr)	115.7

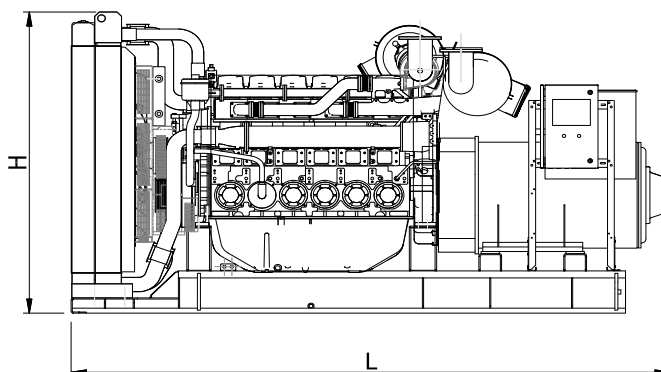
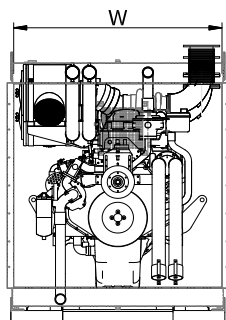
Optional Features and Customization

Optional Features and Customization include:

- Weather and sound proof enclosure
- Stand-alone control panel
- Synchronizing panel
- Load sharing
- Residential silencer
- CE certification
- LV Circuit Breaker

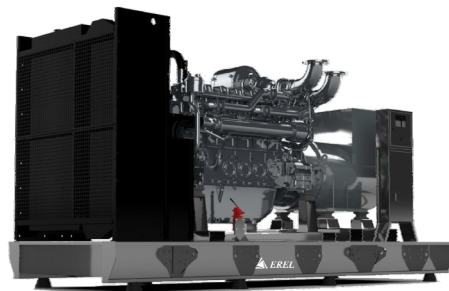
Dimensions and Weights

	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)	
				Dry	Wet
Open Set	4625	1810	2410	7975	8150
Canopied Set	TBA	TBA	TBA	TBA	TBA



• Dimensions and weights are for guidance only. Certified drawings are available upon request. Specifications may change without notice.

MP1100EM



Engine Data

Engine Model		16V2000G36F
No. of Cylinders		16
Alignment		90°V
Cycle		4-cycle
Bore	mm (in)	135 (5.3)
Stroke	mm (in)	156 (6.15)
Induction		TC-AC
Cooling Method		Water
Governing Type		Electronic
Governing Class		ECU 9
Compression Ratio		17.5
Displacement	L (cu.in)	2.23 (136)
Moment of Inertia	kg m ²	N.A.
Voltage	VDC	24
Ground		Negative
Capacity	Ah	200
Engine Weight Dry	Kg (lb)	3100 (6834)
Engine Weight Wet	Kg (lb)	3270 (7209)

Engine Performance Data

Engine Speed	rpm	1500
Gross Engine Power Prime	kW (hp)	1000 (1341)
Gross Engine Power Standby	kW (hp)	1100 (1475)
BMEP Prime	kPa (psi)	N.A.
BMEP Standby	kPa (psi)	2460 (357)

Air System

Combustion Air Flow Prime	m ³ /min	76.2
Combustion Air Flow Standby	m ³ /min	76.8
Max. Combustion Air Intake Restriction	kPa	4

Alternator Physical Data

No. of Bearings		1
Insulation Class		H
Winding Pitch		2/3
Winding Code		N.A.
Wires		N.A.
Ingress Protection Rating		IP23
Excitation System		S-E, brushless
AVR Model		Electronic

Fuel System

Recommended Fuel		Class A2 Diesel
Fuel Consumption Prime (110%)	l/hr	246.9
Fuel Consumption Prime (100%)	l/hr	223.3
Fuel Consumption Prime (75%)	l/hr	167.4
Fuel Consumption Prime (50%)	l/hr	115.7
Fuel Consumption Standby (110%)	l/hr	N.A.
Fuel Consumption Standby (100%)	l/hr	246.9
Fuel Consumption Standby (75%)	l/hr	N.A.
Fuel Consumption Standby (50%)	l/hr	N.A.
Fuel Consumption Continuous	l/hr	N.A.

(Based on diesel fuel with a specific gravity of 0.86 and conforming to BS2869 class A2, EN590)

Cooling System

Cooling System Capacity	(l)	150
Heat rejection to coolant*: Prime	kW	425
Heat rejection to coolant*: Standby	kW	425
Fan power for mech. Rad. (40°C)	kWm	44
Cooling air flow	m ³ /min	1462

Lubrication System

Oil Filter Type		Replaceable elt.
Total Oil Capacity	(l)	114
Oil Pan Capacity:	(l)	N.A.
Oil Type		SAE 15W40
Oil Cooling Method		Water

Exhaust System

Maximum Allowable Back Pressure	kPa	5
Exhaust Gas Flow: Prime	m ³ /min	207
Exhaust Gas Flow: Standby	m ³ /min	207
Exhaust Gas T°: Prime	°C	545
Exhaust Gas T°: Standby	°C	545

Alternator Operating Data

Overspeed	rpm	2250
Voltage Regulation: (Steady state)	%	±0.25
Wave Form NEMA = TIF		50
Wave Form IEC = THF	%	2
Total Harmonic content LL/LN	%	N.A.
Radio Interference		EN61000-6
Radiant Heat: 50 Hz	kW	N.A.

• Dimensions and weights are for guidance only. Certified drawings are available upon request. Specifications may change without notice.