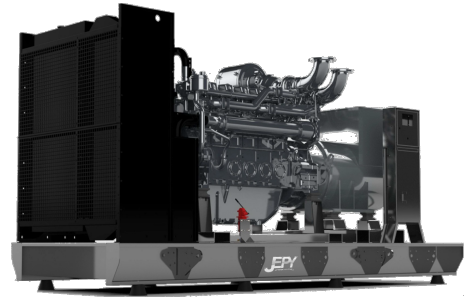




MP1250EP



Output Rating				
Voltage	Frequency		Standby	Prime
400 V	50 Hz	KVA	1375	1250
		KW	1100	1000

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	Perkins
Engine Model	4012-46TWG2A
Alternator Make	Stamford
Alternator Model	PI734A
Control Unit	DSE7320
Engine Speed: RPM	1500
Fuel Tank Capacity (l)	N.A.
Fuel Consumption Standby (l/hr)	288.0
Fuel Consumption Prime (l/hr)	259.0
Fuel Consumption 75% (l/hr)	196.0
Fuel Consumption 50% (l/hr)	143.0

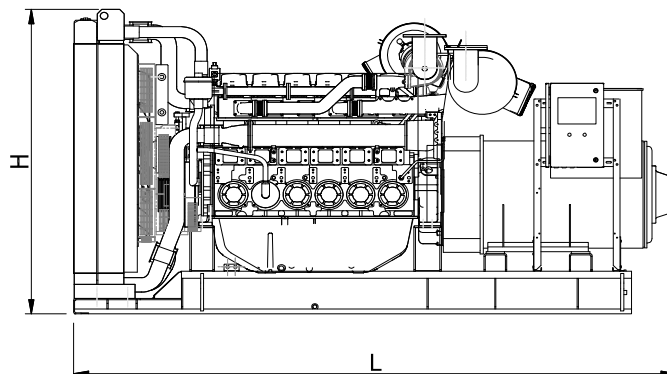
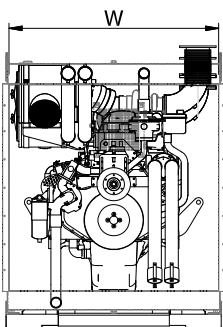
Optional Features and Customization

Optional Features and Customization include:

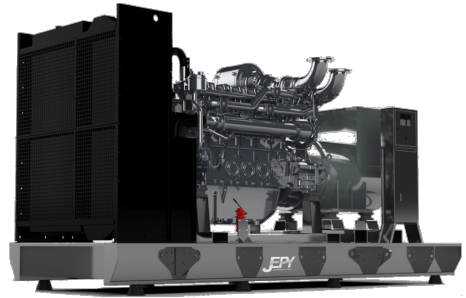
- Weather and sound proof enclosure
- Stand-alone control panel
- Synchronizing panel
- Load sharing
- Residential silencer
- CE certification
- LV Circuit Breaker

Dimensions and Weights

	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)	
				Dry	Wet
Open Set	5100	2050	2510	9360	9400
Canopied Set	12192	2438	2896	N.A.	N.A.



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



MP1250EP

Engine Data		
Engine Model	4012-46TWG2A	
No. of Cylinders	12	
Alignment	60° Vee form	
Cycle	4 stroke	
Bore	mm (in)	160 (6.3)
Stroke	mm (in)	190 (7.5)
Induction	TURBOCHARGED	
Cooling Method	Water	
Governing Type	ELECTRONIC	
Governing Class	ISO 8528	
Compression Ratio	13.0 : 1	
Displacement	L (cu.in)	45.842 (2797)
Moment of Inertia	kg m ²	19.3
Voltage	VDC	24
Ground	Negative	
Battery Charger Amps	40	
Engine Weight Dry	Kg (lb)	5220 (11508)
Engine Weight Wet	Kg (lb)	5283 (11647)

Engine Performance Data		
Engine Speed	rpm	1500
Gross Engine Power Prime	kW (hp)	1113 (1492)
Gross Engine Power Standby	kW (hp)	1224 (1641)
BMEP Prime	kPa (psi)	1930 (279.9)
BMEP Standby	kPa (psi)	2124 (308)

Air System		
Combustion Air Flow Prime	m ³ /min	102
Combustion Air Flow Standby	m ³ /min	109
Max. Combustion Air Intake Restri	kPa	4

Alternator Physical Data		
No. of Bearings	1	
Insulation Class	H	
Winding Pitch	2/3	
Winding Code	N.A.	
Wires	12	
Ingress Protection Rating	IP23	
Excitation System	Shunt	
AVR Model	MX341	
Radio Interference Suppression	EN61000-6	

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

Fuel System		
Recommended Fuel	Class A2 Diesel	
Fuel Consumption Prime (110%)	l/hr	288.0
Fuel Consumption Prime (100%)	l/hr	259.0
Fuel Consumption Prime (75%)	l/hr	196.0
Fuel Consumption Prime (50%)	l/hr	143.0
Fuel Consumption Standby (110%)	l/hr	N.A.
Fuel Consumption Standby (100%)	l/hr	288.0
Fuel Consumption Standby (75%)	l/hr	216.7
Fuel Consumption Standby (50%)	l/hr	156.4
Fuel Consumption Continuous	l/hr	N.A.

(Based on diesel fuel with a specific gravity of 0.86 and conforming to BS2869 classA2, EN590)

Cooling System		
Cooling System Capacity	(l)	196
Heat Radiation to Room*: Prime	kW	135
Heat Radiation to Room*: Standby	kW	149
Radiator Fan Load	kW	32
External Restriction to Airflow	Pa	250

Lubrication System		
Oil Filter Type	Replaceable elt.	
Total Oil Capacity	(l)	177
Oil Pan Capacity:	(l)	159
Oil Type	SAE 15W40	
Oil Cooling Method	Water	

Exhaust System		
Maximum Allowable Back Pressur	kPa	5
Exhaust Gas Flow: Prime	m ³ /min	230
Exhaust Gas Flow: Standby	m ³ /min	230
Exhaust Gas T°: Prime	°C	422
Exhaust Gas T°: Standby	°C	422

Alternator Operating Data		
Overspeed	rpm	2250
Voltage Regulation: (Steady state)	%	±1
Total Harmonic content	%	<5
Short Circuit Capacity	%	300%
Reactance (Xd)	%	326
Reactance (X'd)	%	20
Reactance (X''d)	%	15