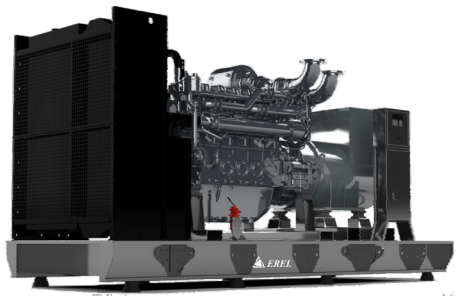
MP200EP



Output Rating				
Voltage	Frequency		Standby	Prime
400 V	50 Hz	KVA	220	200
		KW	176	160

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.

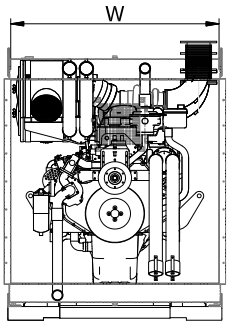
Standard Reference Conditions
Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

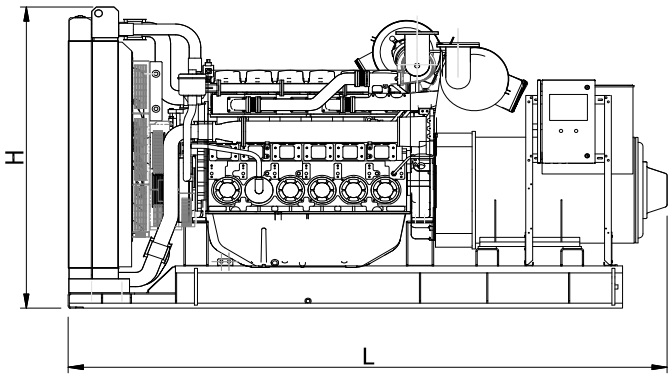
General Data	
Engine Make	Perkins
Engine Model	1106A-70TAG4
Alternator Make	Stamford
Alternator Model	UCI274H
Control Unit	DSE 7120
Engine Speed: RPM	1500
Fuel Tank Capacity (l)	275
Fuel Consumption Standby (l/hr)	49.4
Fuel Consumption Prime (l/hr)	45.8
Fuel Consumption 75% (l/hr)	34.7
Fuel Consumption 50% (l/hr)	23.4

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

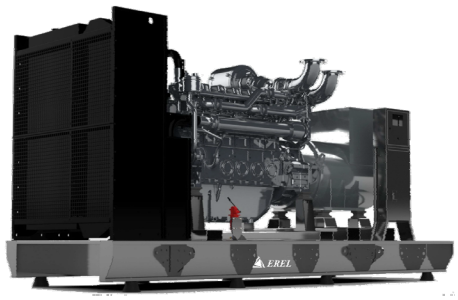
Dimensions and Weights	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Dry	Wet
Open Set	2400	840	1600	1440	1500
Canopied Set	3200	1131	1787	TBC	TBC





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

MP200EP



Engine Data		
Engine Model		1106A-70TAG4
No. of Cylinders		6
Alignment		in-line
Cycle		4 stroke
Bore	mm (in)	105 (4.13)
Stroke	mm (in)	135 (5.31)
Induction		TC Aftercooled
Cooling Method		Water-cooled
Governing Type		Electronic
Governing Class		G2
Compression Ratio		16 : 1
Displacement	L (cu.in)	7.01 (428)
Moment of Inertia	kg m²	1.26 (4306)
Voltage	VDC	12
Ground		Negative
Battery Charger Amps		5
Engine Weight Dry	Kg (lb)	788 (1737)
Engine Weight Wet	Kg (lb)	815 (1796)

Fuel System		
Recommended Fuel		Class A2 Diesel
Fuel Consumption Prime (110%)	l/hr	49.4
Fuel Consumption Prime (100%)	l/hr	45.8
Fuel Consumption Prime (75%)	l/hr	34.7
Fuel Consumption Prime (50%)	l/hr	23.4
Fuel Consumption Standby (110%	l/hr	N.A.
Fuel Consumption Standby (100%	l/hr	49.4
Fuel Consumption Standby (75%)	l/hr	38.1
Fuel Consumption Standby (50%)	l/hr	25.8
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)	21
Heat Radiation to Room*: Prime	kW	22
Heat Radiation to Room*: Standby	kW	25
Radiator Fan Load	kW	5
External Restriction to Airflow	Pa	125

Engine Performance Data		
Engine Speed	rpm	1500
Gross Engine Power Prime	kW (hp)	196.3
Gross Engine Power Standby	kW (hp)	178.9
BMEP Prime	kPa (psi)	1912.0 (277.3)
BMEP Standby	kPa (psi)	2116.0 (306.9

Lubrication System		
Oil Filter Type		Replaceable elt.
Total Oil Capacity	(l)	16.5
Oil Pan Capacity:	(l)	14.9
Oil Type		SAE 15W40
Oil Cooling Method		Water-cooled

Air System		
Combustion Air Flow Prime	m³/min	13.1
Combustion Air Flow Standby	m³/min	13.9
Max. Combustion Air Intake Restri	kPa	3

Exhaust System		
Maximum Allowable Back Pressur	kPa	6
Exhaust Gas Flow: Prime	m³/min	31.6
Exhaust Gas Flow: Standby	m³/min	33.9
Exhaust Gas T°: Prime	°C	550
Exhaust Gas T°: Standby	°C	550

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		SX460
Radio Interference Suppression		EN61000-6

Alternator Operating Data		
Overspeed	rpm	2250
Voltage Regulation: (Steady state)	%	±1
Total Harmonic content	%	<5
Short Circuit Capacity	%	>300
Reactance (Xd)	%	191
Reactance (X'd)	%	16
Reactance (X"d)	%	11

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