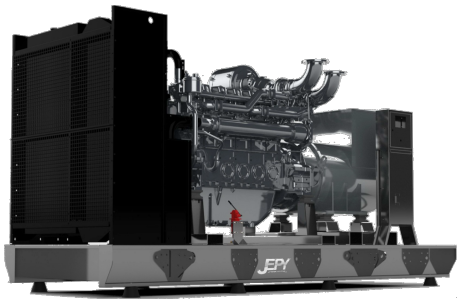
MP300EP



Output Rating

Voltage	Frequency		Standby	Prime
400 V	50 Hz	KVA	330	300
		KW	264	240

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

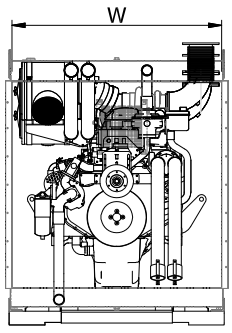
Engine Make	Perkins
Engine Model	1506A-E88TAG5
Alternator Make	Stamford
Alternator Model	S4L1DD
Control Unit	DSE 7120
Engine Speed: RPM	1500
Fuel Tank Capacity (l)	650
Fuel Consumption Standby (l/hr)	73.0
Fuel Consumption Prime (l/hr)	65.0
Fuel Consumption 75% (l/hr)	48.0
Fuel Consumption 50% (l/hr)	33.0

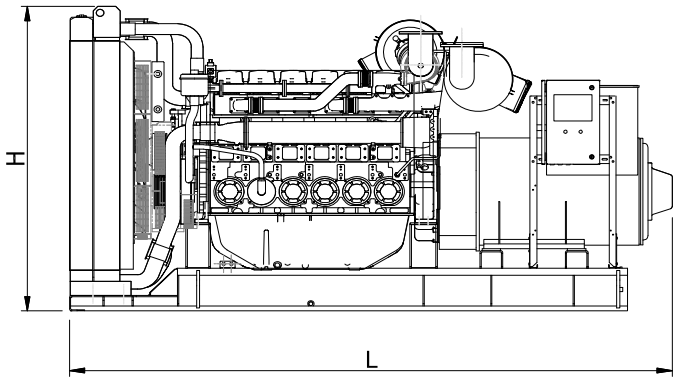
Optional Features and Customization

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

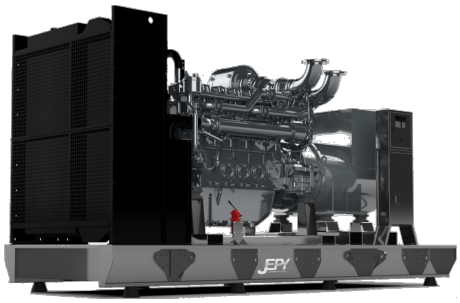
	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Dry	Wet
Open Set	3000	1000	1720	3116	3175
Canopied Set	4900	1820	2463	4648	4725





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

MP300EP



Engine Data		
Engine Model		1506A-E88TAG5
No. of Cylinders		6
Alignment		IN LINE
Cycle		4 STROKE
Bore	mm (in)	112 (4.4)
Stroke	mm (in)	149 (5.9)
Induction		TC AC
Cooling Method		WATER
Governing Type		ELECTRONIC
Governing Class		ISO 8528 G2
Compression Ratio		16.1 : 1
Displacement	L (cu.in)	8.8 (537)
Moment of Inertia	kg m²	2.4031
Voltage	VDC	24
Ground		Negative
Battery Charger Amps		45
Engine Weight Dry	Kg (lb)	778 (1715)
Engine Weight Wet	Kg (lb)	800 (1764)

Engine Performance Data		
Engine Speed	rpm	1500
Gross Engine Power Prime	kW (hp)	281 (377)
Gross Engine Power Standby	kW (hp)	307 (412)
BMEP Prime	kPa (psi)	2552 (370.2)
BMEP Standby	kPa (psi)	2788 (404.4)

Air System		
Combustion Air Flow Prime	m³/min	17
Combustion Air Flow Standby	m³/min	18.3
Max. Combustion Air Intake Restri	kPa	6.2

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		AS440
Radio Interference Suppression		EN61000-6

Fuel System		
Recommended Fuel		Class A2 Diesel
Fuel Consumption Prime (110%)	l/hr	73.0
Fuel Consumption Prime (100%)	l/hr	65.0
Fuel Consumption Prime (75%)	l/hr	48.0
Fuel Consumption Prime (50%)	l/hr	33.0
Fuel Consumption Standby (110%	l/hr	N.A.
Fuel Consumption Standby (100%	l/hr	73.0
Fuel Consumption Standby (75%)	l/hr	53.1
Fuel Consumption Standby (50%)	l/hr	37.2
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)	33
Heat Radiation to Room*: Prime	kW	17
Heat Radiation to Room*: Standby	kW	17
Radiator Fan Load	kW	7.7
External Restriction to Airflow	Pa	125

Lubrication System		
Oil Filter Type		Replaceable elt.
Total Oil Capacity	(l)	39
Oil Pan Capacity:	(l)	36
Oil Type		SAE 15W40
Oil Cooling Method		Water-cooled

Exhaust System		
Maximum Allowable Back Pressur	kPa	10
Exhaust Gas Flow: Prime	m³/min	45.1
Exhaust Gas Flow: Standby	m³/min	50
Exhaust Gas T°: Prime	°C	512
Exhaust Gas T°: Standby	°C	512

Alternator Operating Data		
Overspeed	rpm	2250
Voltage Regulation: (Steady state)	%	±1
Total Harmonic content	%	<5
Short Circuit Capacity	%	>300
Reactance (Xd)	%	285
Reactance (X'd)	%	18
Reactance (X"d)	%	13

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