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MARTIN POWER MP 50 I



Output ratings

Prime power - PRP	50 kVA / 40 kW
Standby power - ESP	55 kVA / 44 kW
Current	72 A
Voltage	400 V / 230 V
Frequency	50 Hz
Voltage system	TN-S

Prime power - PRP

These ratings are applicable for supplying continuous electrical power. There is no limitation to the hours of operation and this model can supply 10% overload power for 1 hour in 6 hours.

Standby power - ESP

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. Maximum 500 operating hours per year are allowed with maximum continuous work for 300 hours.

Basic information

Engine brand	FPT - IVECO
Engine model	N45 AM2
Emission limit	-
Speed	1500 min-1
Control panel current AMF5, M1, P1 (AMF1)	80 A (100 A)
Standard fuel tank capacity	200 l

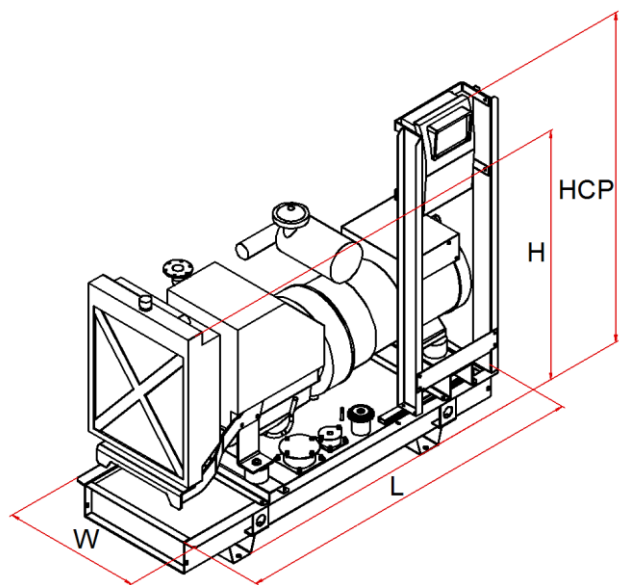
Dimensions and weights

Length (L)	2265 mm
Width (W)	1112 mm
Height (H)	1301 mm
Height with CP* (HCP)	1578 mm
Weight without CP*	805 kg

* Control panel

Available alternators

Mecc Alte	ECP32-1M/4
Sincro	IB4 LA
Marelli	MJB 200 SB 4
WEG	GTA 201 AIHV



- TBD - To be defined later
- All pictures are for informational purposes only
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Genset details

Consumption @ 100% PRP	11,4 l
Consumption @ 75 % of PRP	9,1 l
Consumption @ 50 % of PRP	6,4 l
Consumption @ 25 % of PRP	3,8 l
Battery voltage	12 V
Battery	88 Ah

Standard scope of supply

Engine	4-stroke diesel engine
	Engine harness
	Radiator with fan
	Air filter
	Intercooler
	Turbocharger (for turbocharged)
	Charging alternator
	Oil cooler
	Oil filter
	Fuel filter
	Fuel supply pump
	Oil draining valve
	Starter
Alternator	Self regulation system
	Self excitation system
	Synchronous
	Single bearing
	Protection IP 21
	Automatic voltage regulator
	Brushless
	Flexible connection disk + housing
Base frame	Steel base frame
	Flexible antivibration mounting
	Integrated fuel tank
	Fuel level sensor
	Fuel filling cap with ventilation
Starting accumulator	
Counter flange,sealing,set of coonection material	
Initial filling of oil and coolant	
Standard factory load test	
Operation and maintenance manual	

Engine details

Prime power - PRP	45 kW
Standby power - ESP	50 kW
Intake	natural
Speed governor	mechanical
Cylinders	4L
Displacement	4,5 dm ³
Air requirement for intake	3,1 m ³ /min
Air requirement for cooling	70 m ³ /min
Max. back-pressure at intake	5 kPa
Thermal power - cooling	34 kW
Thermal power - radiated	12 kW
Exhaust gas flow	9 m ³ /min
Max. back-pressure at exhaust	10 kPa
Max. exhaust temperature	504 °C
Performance class	G 2
Specific fuel consumption	208 g/kWh
Engine oil volume	13 l
Coolant volume	18,5 l

Available optionals

Control panel	MP Manual
	MP Automatic
	MP Parallel
	MP ATS
Canopy 95LWA type [LWA / dB(A)]	93 / 68 @ 7 m
Canopy 90LWA type [LWA / dB(A)]	90 / 65 @ 7 m
Container	10'
Industrial exhaust silencer -20 dB	DN 45
Residential exhaust silencer -30 dB	DN 45

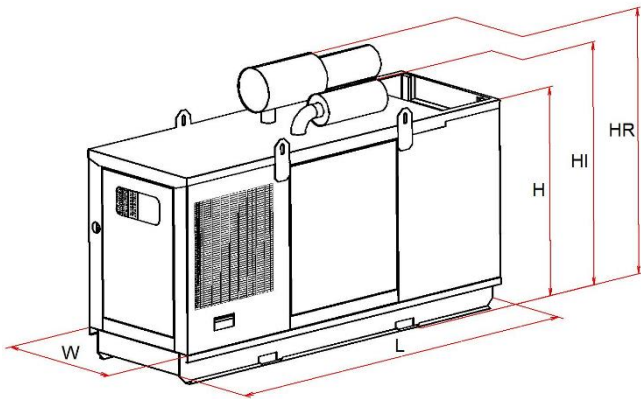
Basic options

Retention bath	
Increased fuel tank	500 l
Increased IP Protection	
Front air output for canopy	
Electronic speed governor	
Homologized chassis for road transport	
Separate storage tank	
Automatic fuel filling device (AFD)	

Many more other options available

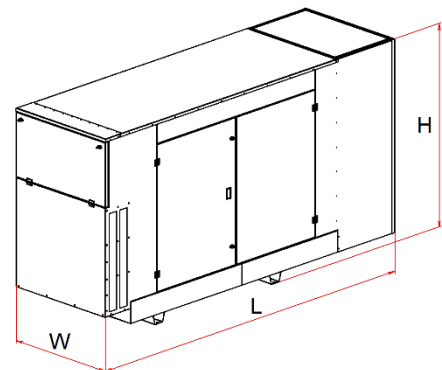
Canopy - type 95 LWA

Side and back doors with lockers	
Side and/or back air inlet with jalousies	
Top air outlet	
Position of exhaust silencer	in the canopy
Canopy colour: top RAL 3000 / bottom RAL 9005	
Length (L)	2700 mm
Width (W)	1112 mm
Height (H)	1890 mm
Height with industr. silencer (HI)	-
Height with resid. silencer (HR)	-
Weight without control panel and exhaust silencer	1255 kg



Canopy - type 90 LWA

Side and back doors with lockers	
Side and/or back air inlet with jalousies	
Top / side air outlet	
Canopy colour: top RAL 3000 / bottom RAL 9005	
Retention bath	
Exhaust silencer inside of canopy	
Length (L)	2915 mm
Width (W)	800 mm
Height (H)	1550 mm
Weight without control panel and exhaust silencer	1186 kg



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