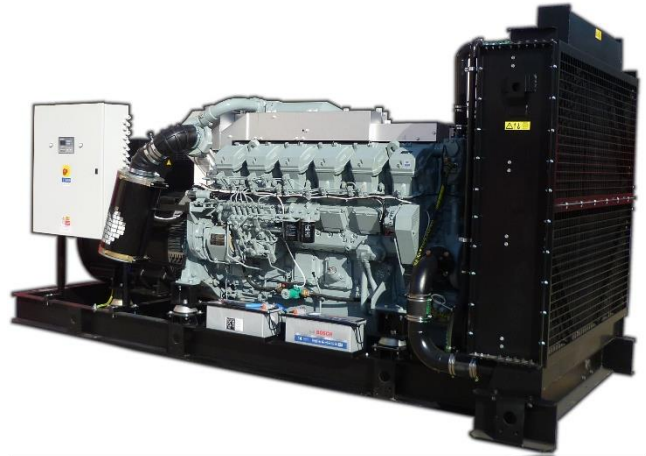




www.tts-martin.sk

# MARTIN POWER MP 1400 M



### Output ratings

Prime power - PRP	1400 kVA / 1120 kW
Standby power - ESP	1540 kVA / 1232 kW
Current	2020 A
Voltage	400 V / 230 V
Frequency	50 Hz
Voltage system	TN-C

#### 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	MITSUBISHI
Engine model	S12R-PTA2
Emission limit	-
Speed	1500 min-1
Control panel current AMF5, M1, P1 (AMF1)	2000 A ( - A)
Standard fuel tank capacity	1200 l

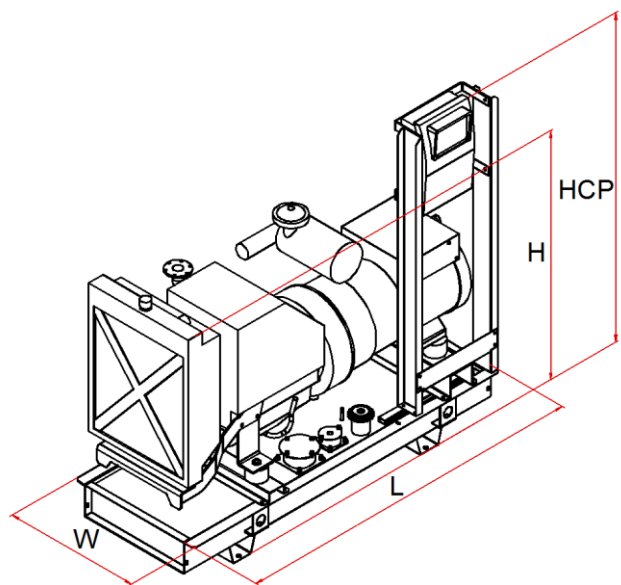
### Dimensions and weights

Length (L)	4600 mm
Width (W)	2000 mm
Height (H)	2625 mm
Height with CP* (HCP)	
Weight without CP*	9950 kg

\* Control panel

### Available alternators

Mecc Alte	ECO43-VL/4
Sincro	SK 450 MF
Marelli	MJB 450 MB 4
WEG	AG10 355 MI90AI



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

Consumption @ 100% PRP	286 l
Consumption @ 75 % of PRP	216 l
Consumption @ 50 % of PRP	145 l
Consumption @ 25 % of PRP	79 l
Battery voltage	24 V
Battery	4 x 170 Ah

### Standard scope of supply

<b>Engine</b>	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
<b>Alternator</b>	Self regulation system
	Self excitation system
	Synchronous
	Single bearing
	Protection IP 21
	Automatic voltage regulator
	Brushless
	Flexible connection disk + housing
<b>Base frame</b>	Steel base frame
	Flexible antivibration mounting
	Integrated fuel tank
	Fuel level sensor
	Fuel filling cap with ventilation
<b>Starting accumulator</b>	
<b>Counter flange,sealing,set of coonection material</b>	
<b>Initial filling of oil and coolant</b>	
<b>Standard factory load test</b>	
<b>Operation and maintenance manual</b>	

### Engine details

Prime power - PRP	1165 kW
Standby power - ESP	1285 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	12V
Displacement	49,03 dm <sup>3</sup>
Air requirement for intake	96 m <sup>3</sup> /min
Air requirement for cooling	1800 m <sup>3</sup> /min
Max. back-pressure at intake	4 kPa
Thermal power - cooling	699 kW
Thermal power - radiated	129 kW
Exhaust gas flow	253 m <sup>3</sup> /min
Max. back-pressure at exhaust	6 kPa
Max. exhaust temperature	520°C
Performance class	G 3
Specific fuel consumption	202 g/kWh
Engine oil volume	180 l
Coolant volume	300 l

### Available optionals

Control panel	MP Manual
	MP Automatic
	MP Parallel
	MP ATS
Canopy 95LWA type [LWA / dB(A)]	99 / 74 @ 7 m
Canopy 90LWA type [LWA / dB(A)]	-
Container	30'
Industrial exhaust silencer -20 dB	DN 300
Residential exhaust silencer -30 dB	DN 300

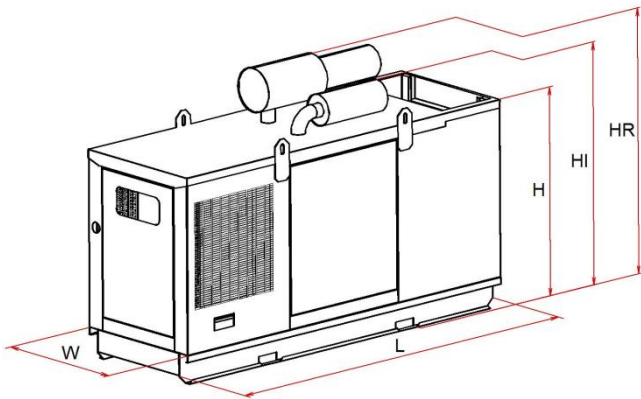
### Basic options

Retention bath	
Increased fuel tank	3000 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

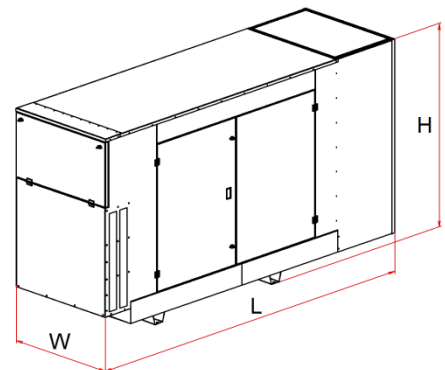
**Canopy - type 95 LWA**

Side and back doors with lockers	
Side and/or back air inlet with jalousies	
Top air outlet	
Position of exhaust silencer	EN
Canopy colour: top RAL 3000 / bottom RAL 9005	
Length (L)	7804 mm
Width (W)	3064 mm
Height (H)	3705 mm
Height with industr. silencer (HI)	tlmič v kapote
Height with resid. silencer (HR)	tlmič v kapote
Weight without control panel and exhaust silencer	10 813 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)	-
Width (W)	-
Height (H)	-
Weight without control panel and exhaust silencer	-



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