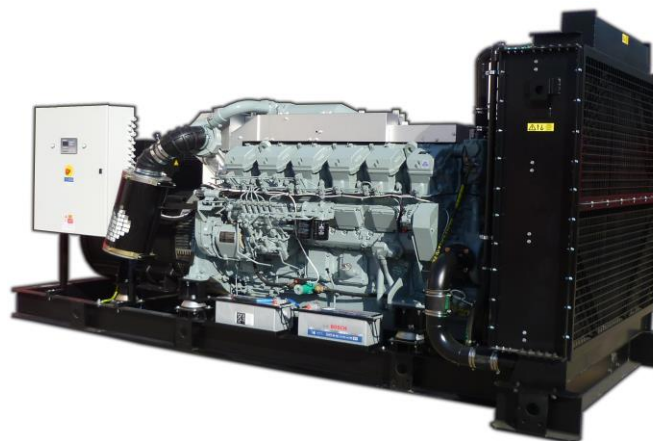


MARTIN POWER
MP 2100 M4
BASE GENSET



Output Ratings

Prime power - PRP	2100 kVA / 1680 kW
Standby power - ESP	2300 kVA / 1840 kW
Current	3030 A
Voltage	400 V / 230 V
Frequency	50 Hz
Voltage system	TN-C

Prime power

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

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. In this rating max 500 hours per year is allowed with maximum continuous work for 300 hours

Basic informations

Engine brand	MTU
Engine model	16V 4000 G23
Emmissions limit	- / TA luft
Speed	1500 min-1
Control panel current	- / 3200 A / 3200 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	1200 l

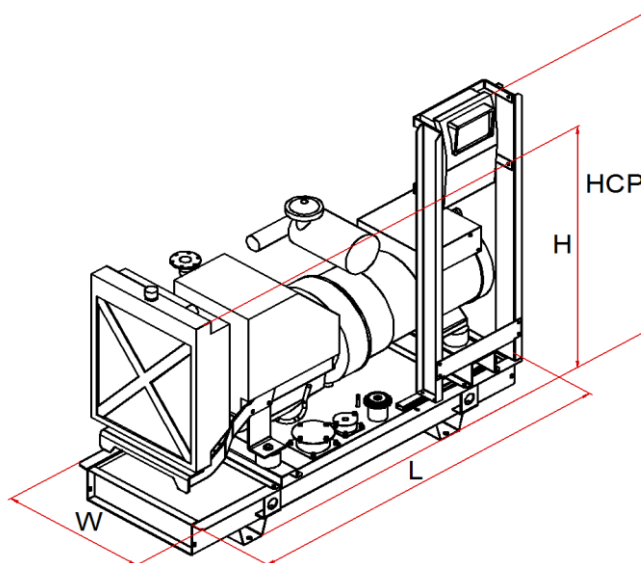
Dimmensions and weights

Length (L)	TBD
Width (W)	TBD
Height (H)	TBD
Height with CP*(HCP)	TBD
Weight without CP*	TBD

* Control panel

Available alternators

Meccalte	ECO46-1L/4
Sincro	SK 500 MC
Marelli	MJB 500 MB 4
Weg	-



- TBD - To be defined later
- All pictures are for informational purposes only
- We reserve the right to change the specification without notice

Genset details

Consumption at PRP	386 l
Consumption at 75 % of PRP	294 l
Consumption at 50 % of PRP	206 l
Consumption at 25 % of PRP	117 l
Battery voltage	24 V
Battery	4 x 170 Ah

Standard scope of supply

Engine
4 stroke diesel engine
Engine harness
Radiator with fan
Air filter
Intercooler
Turbocharger (for turbocharged engines)
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 connection material
Initial filling of oil and coolant
Standard factory load test
Operation and maintenance manual

Engine details

Prime power - PRP	1753 kW
Standby power - ESP	1933 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	16V
Displacement	76,3 dm ³
Air requirements for intake	126 m ³ /min
Air requirements for cooling	2100 m ³ /min
Max. back pressure at intake	5 kPa
Thermic power - cooling	970 kW
Thermic power - irradiated	163 kW
Exhaust gas flow	324 m ³ /min
Max. back pressure at exhaust	8,5 kPa
Max. exhaust temperature	480°C
Performance class	G 3
Specific fuel consumption	188 g/kWh
Engine oil volume	300 l
Coolant volume	TBD

Available additions

Control panel	MP Manual MP Automatic MP Parallel MP ATS
Canopy	95 LWA (70dB/7m) 90 LWA (65dB/7m)
Container	TBD
Industrial exhaust silencer -20 dB	2 x DN 250
Residential exhaust silencer -30dB	DN 350

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)	

Lot more options available

Canopy - 95 LWA (70 dB at 7 m)

Side and back doors with lockers

Side and/or back air inlet with jalousies

Top air outlet

Possition of exhaust silencer	TBD
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Red (RAL3000) + Black (RAL9005) color of canopy

Length (L)	TBD
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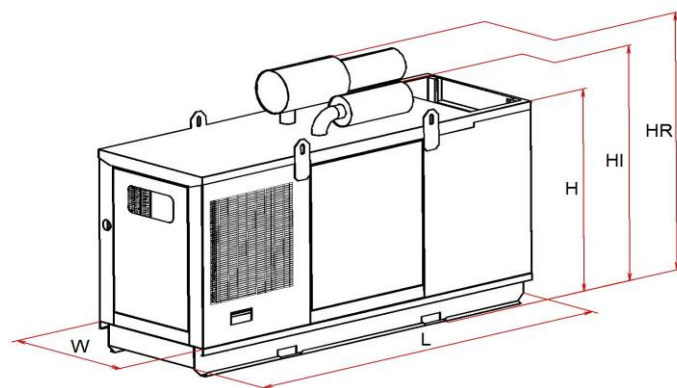
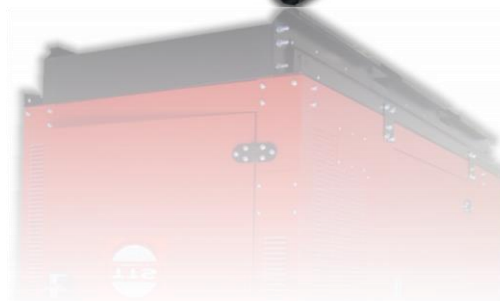
Width (W)	TBD
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Height (H)	TBD
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Height with industr. silencer (HI)	TBD
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Height with resid. silencer(HR)	TBD
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Weight without control panel and exhaust silencer	TBD
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Canopy - 90 LWA (65 dB at 7 m)

Side and back doors with lockers

Side and/or back air inlet with jalousies

Top / side air outlet

Red (RAL3000) + Black (RAL9005) color of canopy

Retention bath

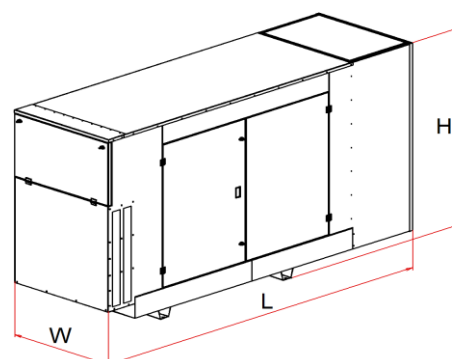
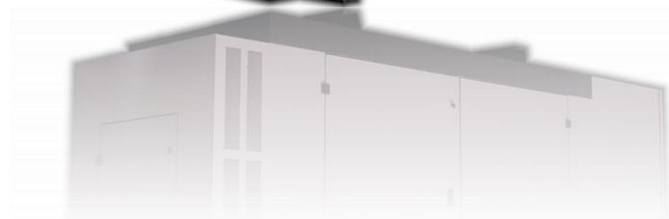
Exhaust silencer inside of canopy

Length (L)	TBD
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Width (W)	TBD
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Height (H)	TBD
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Weight without control panel and exhaust silencer	TBD
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- TBD - To be defined later

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