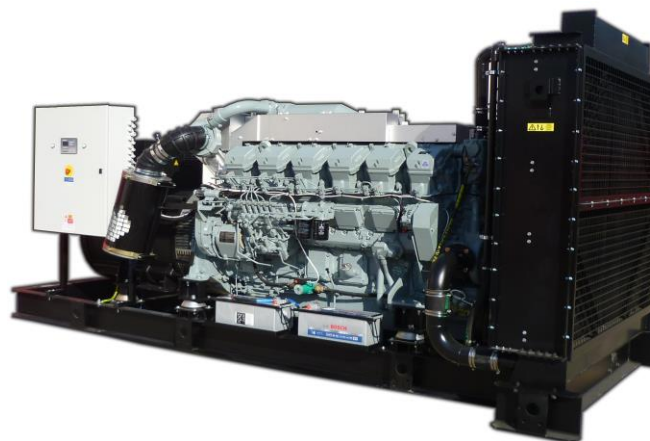


MARTIN POWER
MP 650 M
BASE GENSET



Output Ratings

Prime power - PRP	655 kVA / 524 kW
Standby power - ESP	720 kVA / 576 kW
Current	945 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	12V 1600 G20F
Emmissions limit	- / TA luft
Speed	1500 min-1
Control panel current	- / 1000 A / 1000 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	1000 l

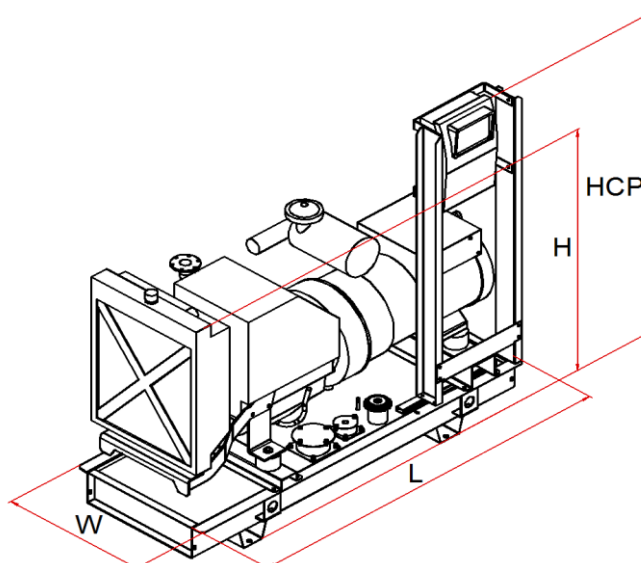
Dimmensions and weights

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

* Control panel

Available alternators

Meccalte	ECO40-2L/4
Sincro	SK 355 LM
Marelli	MJB 355 MA 4
Weg	315MI20AI



- 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	124 l
Consumption at 75 % of PRP	96 l
Consumption at 50 % of PRP	67 l
Consumption at 25 % of PRP	36 l
Battery voltage	24 V
Battery	2 x 110 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	557 kW
Standby power - ESP	615 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	12V
Displacement	21 dm ³
Air requirements for intake	48 m ³ /min
Air requirements for cooling	738 m ³ /min
Max. back pressure at intake	5 kPa
Thermic power - cooling	340 kW
Thermic power - irradiated	54 kW
Exhaust gas flow	126 m ³ /min
Max. back pressure at exhaust	15 kPa
Max. exhaust temperature	483°C
Performance class	G 3
Specific fuel consumption	192 g/kWh
Engine oil volume	72 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 150
Residential exhaust silencer -30dB	DN 200

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 on canopy

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

Length (L) 4925 mm

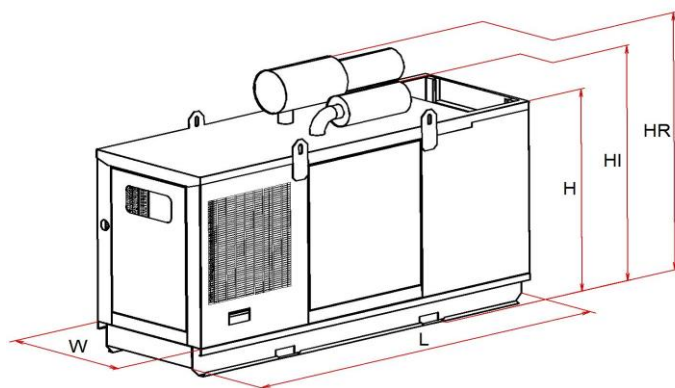
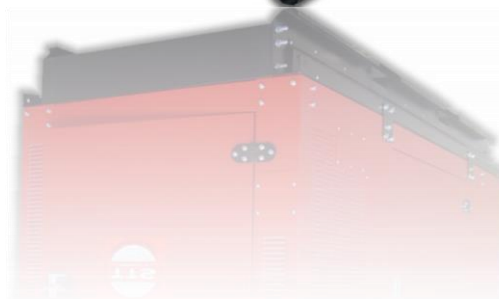
Width (W) 2250 mm

Height (H) 2695 mm

Height with industr. silencer (HI) 3045 mm

Height with resid. silencer(HR) 3395 mm

Weight without control panel and exhaust silencer TBD



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

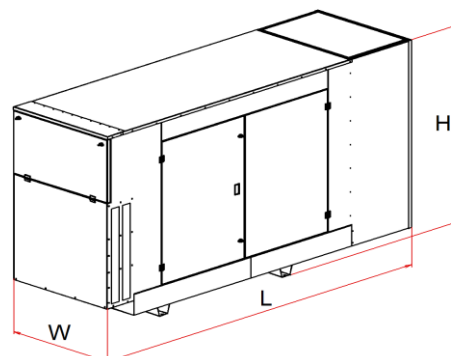
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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