

MARTIN POWER
MP 100 O-3
BASE GENSET



Output Ratings

Prime power - PRP	100 kVA / 80 kW
Standby power - ESP	110 kVA / 88 kW
Current	144 A
Voltage	400 V / 230 V
Frequency	50 Hz
Voltage system	TN-S

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	VOLVO
Engine model	TAD551GE
Emmissions limit	stage IIIA
Speed	1500 min-1
Control panel current	60 A / 160 A / 160 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	200 l

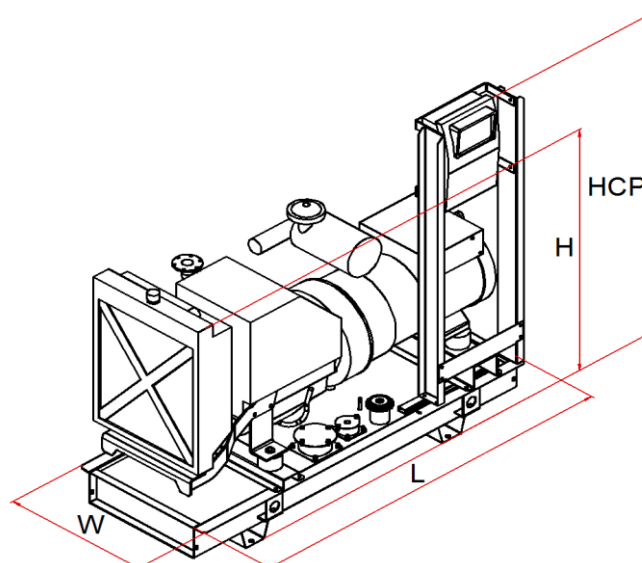
Dimmensions and weights

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

* Control panel

Available alternators

Meccalte	ECP34-2S/4
Sincro	SK 225 ML
Marelli	MJB 225 MA 4
Weg	202AIVJ



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

Consumption at PRP	25,4 l
Consumption at 75 % of PRP	21.1 l
Consumption at 50 % of PRP	14,8 l
Consumption at 25 % of PRP	8,3 l
Battery voltage	24 V
Battery	2 x 70 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	89 kW
Standby power - ESP	98 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	4L
Displacement	4,76 dm ³
Air requirements for intake	7,5 m ³ /min
Air requirements for cooling	108 m ³ /min
Max. back pressure at intake	5 kPa
Thermic power - cooling	69 kW
Thermic power - irradiated	16 kW
Exhaust gas flow	20,8 m ³ /min
Max. back pressure at exhaust	7 kPa
Max. exhaust temperature	530 °C
Performance class	TBD
Specific fuel consumption	244 g/kWh
Engine oil volume	21 l
Coolant volume	22 l

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	DN 100
Residential exhaust silencer -30dB	DN 100

Basic options

Retention bath	
Increased fuel tank	560 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 in canopy

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

Length (L) 2725 mm

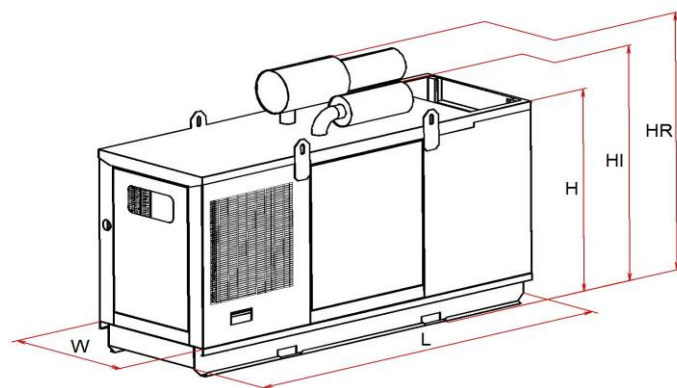
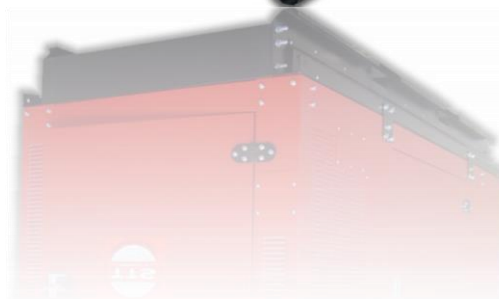
Width (W) 1135 mm

Height (H) 1845 mm

Height with industr. silencer (HI) -

Height with resid. silencer(HR) -

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

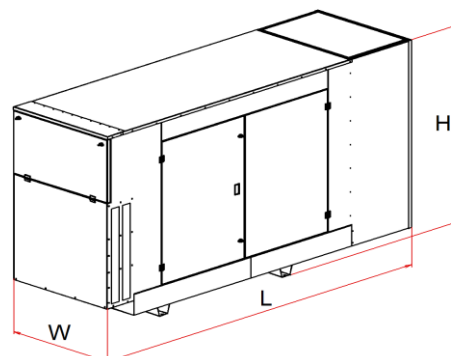
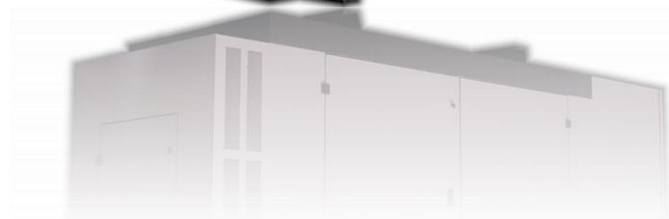
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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