

MARTIN POWER
MP 500 O-3
BASE GENSET



Output Ratings

Prime power - PRP	505 kVA / 404 kW
Standby power - ESP	555 kVA / 444 kW
Current	729 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	VOLVO
Engine model	TAD1651GE
Emmissions limit	stage IIIA
Speed	1500 min-1
Control panel current	- / 800 A / 800 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	800 l

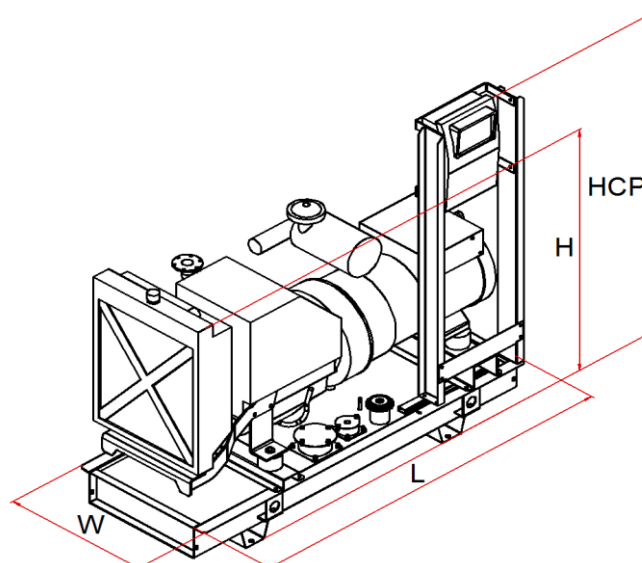
Dimmensions and weights

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

* Control panel

Available alternators

Meccalte	ECO40-3S/4
Sincro	SK 355 MS
Marelli	MJB 355 SA 4
Weg	280MI40AI



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

Consumption at PRP	99,7 l
Consumption at 75 % of PRP	77,4 l
Consumption at 50 % of PRP	53,4 l
Consumption at 25 % of PRP	39,6 l
Battery voltage	24 V
Battery	2 x 140 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	430 kW
Standby power - ESP	473 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	6L
Displacement	16,12 dm ³
Air requirements for intake	30 m ³ /min
Air requirements for cooling	456 m ³ /min
Max. back pressure at intake	5 kPa
Thermic power - cooling	287 kW
Thermic power - irradiated	47 kW
Exhaust gas flow	76 m ³ /min
Max. back pressure at exhaust	8 kPa
Max. exhaust temperature	492 °C
Performance class	TBD
Specific fuel consumption	198 g/kWh
Engine oil volume	48 l
Coolant volume	60 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 150
Residential exhaust silencer -30dB	DN 150

Basic options

Retention bath	
Increased fuel tank	2500 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) 4925 mm

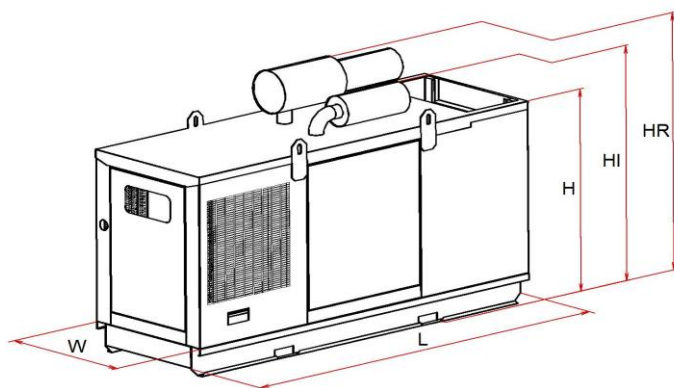
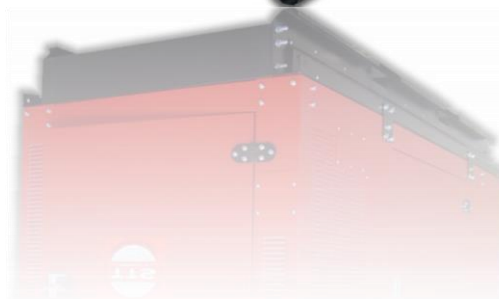
Width (W) 2250 mm

Height (H) 2695 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

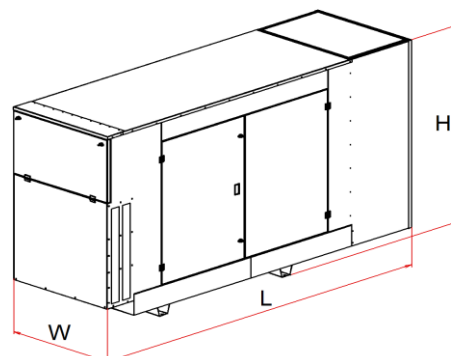
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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