

MARTIN POWER
MP 375 O-3
BASE GENSET



Output Ratings

Prime power - PRP	383 kVA / 306 kW
Standby power - ESP	422 kVA / 338 kW
Current	553 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	TAD1354GE
Emmissions limit	stage IIIA
Speed	1500 min-1
Control panel current	- / 630 A / 630 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	600 l

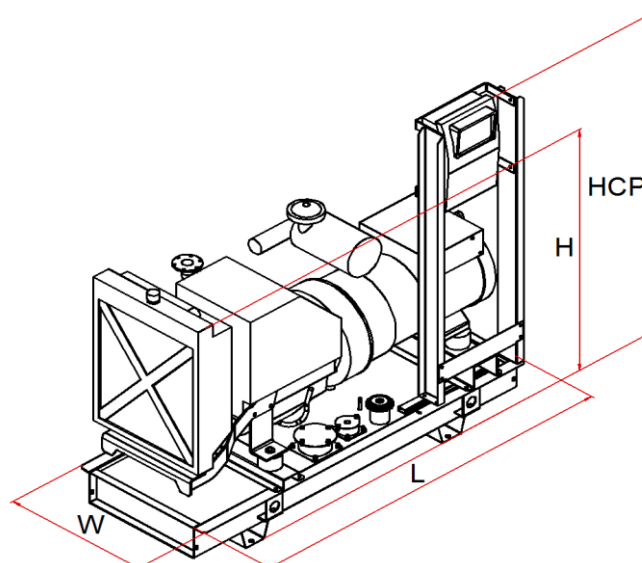
Dimmensions and weights

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

* Control panel

Available alternators

Meccalte	ECO40-1S/4
Sincro	SK 315 SM
Marelli	MJB 315 MA 4
Weg	280MI20AI



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

Consumption at PRP	75,3 l
Consumption at 75 % of PRP	58,8 l
Consumption at 50 % of PRP	41,5 l
Consumption at 25 % of PRP	23,1 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	328 kW
Standby power - ESP	361 kW
Intake	turbocharged with intercooler
Speed governor	electronic
Cylinders	6L
Displacement	12,78 dm ³
Air requirements for intake	22 m ³ /min
Air requirements for cooling	330 m ³ /min
Max. back pressure at intake	5 kPa
Thermic power - cooling	214 kW
Thermic power - irradiated	34 kW
Exhaust gas flow	55 m ³ /min
Max. back pressure at exhaust	8 kPa
Max. exhaust temperature	470 °C
Performance class	TBD
Specific fuel consumption	196 g/kWh
Engine oil volume	36 l
Coolant volume	44 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	1700 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) 4425 mm

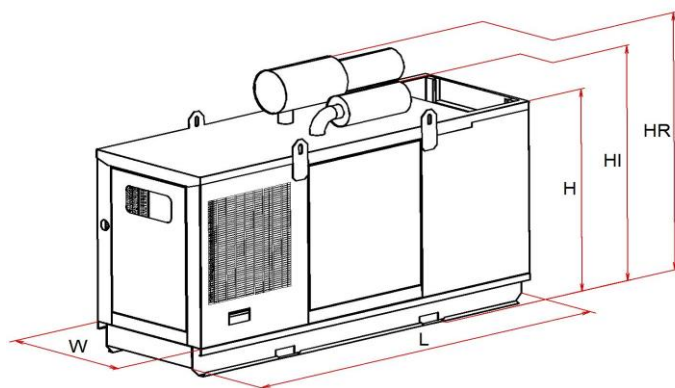
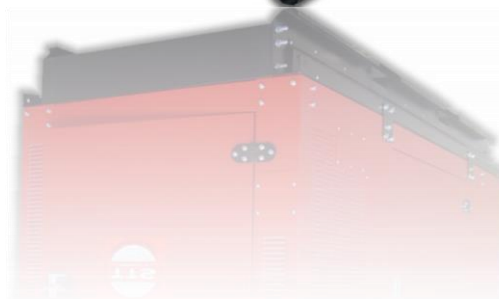
Width (W) 1635 mm

Height (H) 2395 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

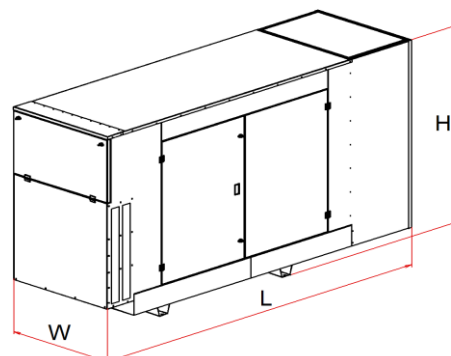
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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