

MARTIN POWER
MP 80 O
BASE GENSET



Output Ratings

| | |
|---------------------|------------------|
| Prime power - PRP | 80 kVA / 64 kW |
| Standby power - ESP | 88 kVA / 70,4 kW |
| Current | 115 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 | TD520GE |
| Emmissions limit | - |
| Speed | 1500 min-1 |
| Control panel current | 60 A / 125 A / 135 A |
| AMF1 / AMF5 ,M1 ,P1 / ATS | |
| Standard fuel tank capacity | 200 l |

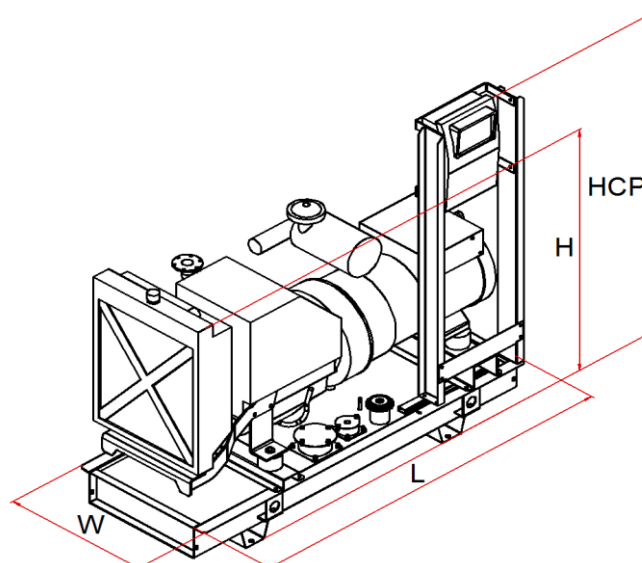
Dimmensions and weights

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

* Control panel

Available alternators

| | |
|----------|--------------|
| Meccalte | ECP32-4L/4 |
| Sincro | SK 225 MS |
| Marelli | MJB 225 SA 4 |
| Weg | 202AIVS |



- 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 | 18,7 l |
| Consumption at 75 % of PRP | 13,7 l |
| Consumption at 50 % of PRP | 9,4 l |
| Consumption at 25 % of PRP | 5,4 l |
| Battery voltage | 12 V |
| Battery | 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 coonection material | |
| Initial filling of oil and coolant | |
| Standard factory load test | |
| Operation and maintenance manual | |

Engine details

| | |
|-------------------------------|--------------|
| Prime power - PRP | 75 kW |
| Standby power - ESP | 83 kW |
| Intake | turbochraged |
| Speed governor | mechanical |
| Cylinders | 4L |
| Displacement | 4,76 dm3 |
| Air requirements for intake | 4,8 m3/min |
| Air requirements for cooling | 90 m3/min |
| Max. back pressure at intake | 3 kPa |
| Thermic power - cooling | 49 kW |
| Thermic power - irradiated | 19 kW |
| Exhaust gas flow | 15,4 m3/min |
| Max. back pressure at exhaust | 3 kPa |
| Max. exhaust temperature | 610 °C |
| Performance class | TBD |
| Specific fuel consumption | 213 g/kWh |
| Engine oil volume | 13 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 70 |
| Residential exhaust silencer -30dB | DN 70 |

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

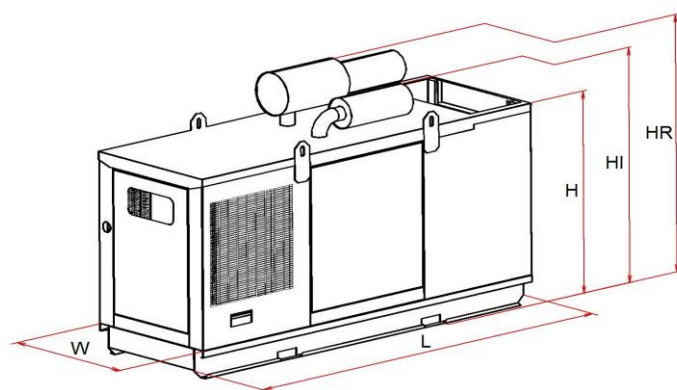
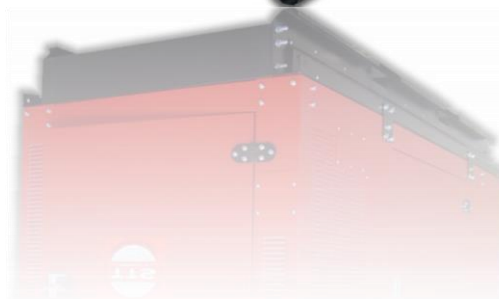
Width (W) 1135 mm

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

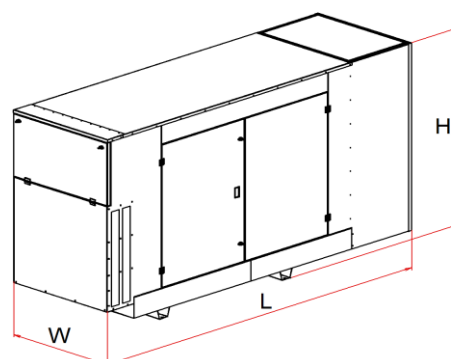
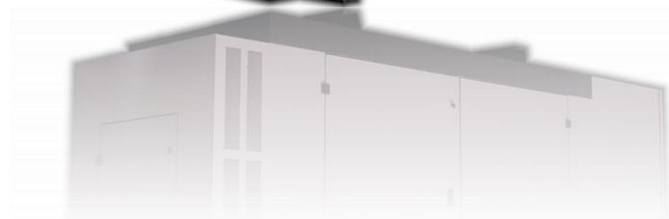
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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