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MARTIN POWER MP 300 I-3



Output ratings

| | |
|---------------------|------------------|
| Prime power - PRP | 300 kVA / 240 kW |
| Standby power - ESP | 330 kVA / 264 kW |
| Current | 433 A |
| Voltage | 400 V / 230 V |
| Frequency | 50 Hz |
| Voltage system | TN-C |

Prime power - PRP

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 - ESP

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. Maximum 500 operating hours per year are allowed with maximum continuous work for 300 hours.

Basic information

| | |
|-----------------------------|-------------|
| Engine brand | FPT - IVECO |
| Engine model | C10 TE1F |
| Emission limit | stage III A |
| Speed | 1500 min-1 |
| Control panel current | 500 A (- A) |
| AMF5, M1, P1 (AMF1) | |
| Standard fuel tank capacity | 500 l |

Dimensions and weights

| | |
|-----------------------|---------|
| Length (L) | 3080 mm |
| Width (W) | 1315 mm |
| Height (H) | 1740 mm |
| Height with CP* (HCP) | 1740 mm |
| Weight without CP* | 2438 kg |

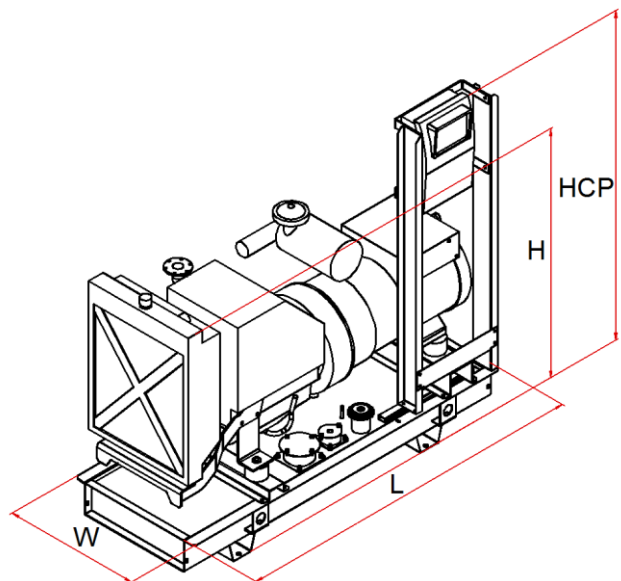
* Control panel

Available alternators

| | |
|-----------|-----------------|
| Mecc Alte | ECO38-2L/4 |
| Sincro | SK 250 LL |
| Marelli | MJB 315 SA 4 |
| WEG | AG10 250 MI10AI |



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

| | |
|---------------------------|------------|
| Consumption @ 100% PRP | 64 l |
| Consumption @ 75 % of PRP | 51 l |
| Consumption @ 50 % of PRP | 33 l |
| Consumption @ 25 % of PRP | 19 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) |
| | 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 | 256 kW |
| Standby power - ESP | 288 kW |
| Intake | turbocharged with intercooler |
| Speed governor | electronic |
| Cylinders | 6L |
| Displacement | 10 dm ³ |
| Air requirement for intake | 22,4 m ³ /min |
| Air requirement for cooling | 308 m ³ /min |
| Max. back-pressure at intake | 5 kPa |
| Thermal power - cooling | 164 kW |
| Thermal power - radiated | 44 kW |
| Exhaust gas flow | 46 m ³ /min |
| Max. back-pressure at exhaust | 5 kPa |
| Max. exhaust temperature | 520 °C |
| Performance class | G 3 |
| Specific fuel consumption | 198 g/kWh |
| Engine oil volume | 30 l |
| Coolant volume | 63 l |

Available optionals

| | |
|-------------------------------------|---------------|
| Control panel | MP Manual |
| | MP Automatic |
| | MP Parallel |
| | MP ATS |
| Canopy 95LWA type [LWA / dB(A)] | 96 / 71 @ 7 m |
| Canopy 90LWA type [LWA / dB(A)] | 91 / 66 @ 7 m |
| Container | 20' |
| Industrial exhaust silencer -20 dB | DN 125 |
| Residential exhaust silencer -30 dB | DN 125 |

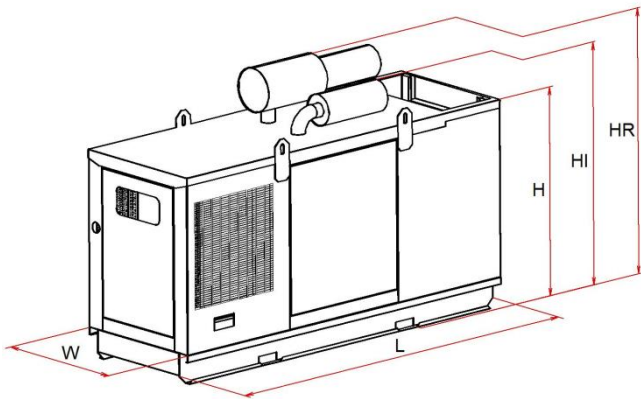
Basic options

| | |
|--|--------|
| Retention bath | |
| Increased fuel tank | 1500 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) | |

Many more other options available

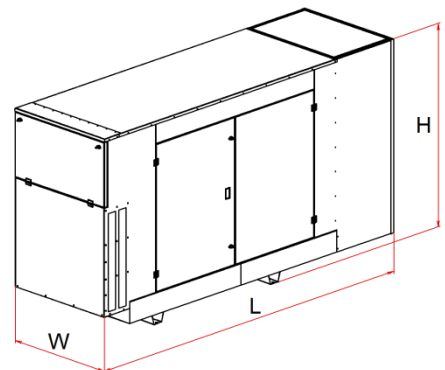
Canopy - type 95 LWA

| | |
|---|---------------|
| Side and back doors with lockers | |
| Side and/or back air inlet with jalousies | |
| Top air outlet | |
| Position of exhaust silencer | in the canopy |
| Canopy colour: top RAL 3000 / bottom RAL 9005 | |
| Length (L) | 3500 mm |
| Width (W) | 1340 mm |
| Height (H) | 2085 mm |
| Height with industr. silencer (HI) | - |
| Height with resid. silencer (HR) | - |
| Weight without control panel and exhaust silencer | 3097 kg |



Canopy - type 90 LWA

| | |
|---|---------|
| Side and back doors with lockers | |
| Side and/or back air inlet with jalousies | |
| Top / side air outlet | |
| Canopy colour: top RAL 3000 / bottom RAL 9005 | |
| Retention bath | |
| Exhaust silencer inside of canopy | |
| Length (L) | 4595 mm |
| Width (W) | 1350 mm |
| Height (H) | 2100 mm |
| Weight without control panel and exhaust silencer | 3449 kg |



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