

MARTIN POWER
MP 45 B
BASE GENSET



Output Ratings

Prime power - PRP	44 kVA / 35,2 kW
Standby power - ESP	48,1 kVA / 38,5 kW
Current	63 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	LOMBARDINI
Engine model	LDW 2204T CHD
Emmissions limit	Stage II
Speed	3000 min-1
Control panel current	60 A / 63 A / 63 A
AMF1 / AMF5 ,M1 ,P1 / ATS	
Standard fuel tank capacity	100 l

Dimmensions and weights

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

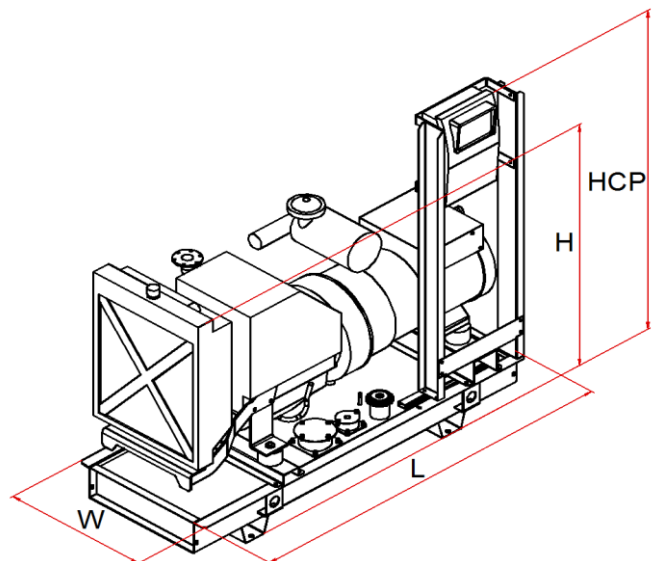
* Control panel

Available alternators

Meccalte	ECP32-2S/2 A
Sincro	IB2 MA
Marelli	-
Weg	-



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

Consumption at PRP	12 l
Consumption at 75 % of PRP	9 l
Consumption at 50 % of PRP	6,4 l
Consumption at 25 % of PRP	3,2 l
Battery voltage	12 V
Battery	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	40 kW
Standby power - ESP	44 kW
Intake	turbocharged
Speed governor	mechanical
Cylinders	4L
Displacement	2,199 dm ³
Air requirements for intake	4,2 m ³ /min
Air requirements for cooling	180 m ³ /min
Max. back pressure at intake	TBD
Thermic power - cooling	TBD
Thermic power - irradiated	TBD
Exhaust gas flow	TBD
Max. back pressure at exhaust	TBD
Max. exhaust temperature	TBD
Performance class	G 2
Specific fuel consumption	255 g/kWh
Engine oil volume	4,5 l
Coolant volume	TBD

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	TBD
Residential exhaust silencer -30dB	TBD

Basic options

Retention bath	
Increased fuel tank	300 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

Position of exhaust silencer in canopy

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

Length (L) 2250 mm

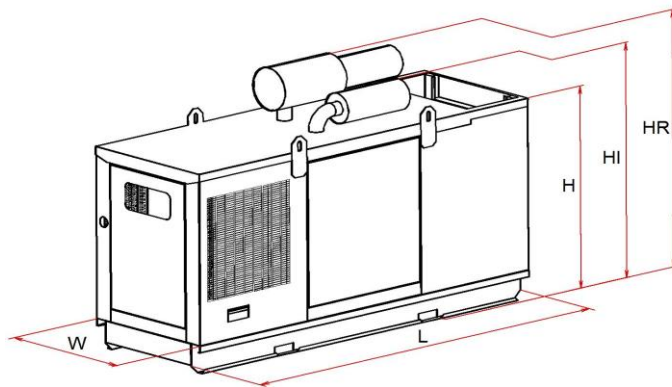
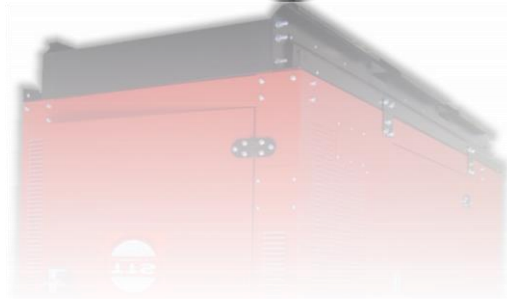
Width (W) 935 mm

Height (H) 1525 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

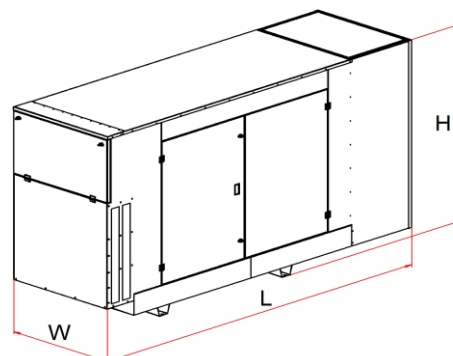
Exhaust silencer inside of canopy

Length (L) TBD

Width (W) TBD

Height (H) TBD

Weight without control panel and exhaust silencer TBD



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