GenSet MPM 16/450 I-Y



Minimal maintenance

Asynchronous alternator

Heavy duty

Compact, durable, fitted by central top lifting hook and forklift pockets to make easy the handling even frequent. Equipped with 3000 RPM Yanmar engine 3TNV80; control panel with Digital Controller to check Mechanical and Electrical data. Asynchronous alternator for a better welding process quality and a clean distortion waveform. Designed to work simultaneously both as welder both as power generator. Ready to work with welding remote control. Suitable for a friendly use

V

Stage V

MPM 16/450 I-Y STANDARD EQUIPMENT

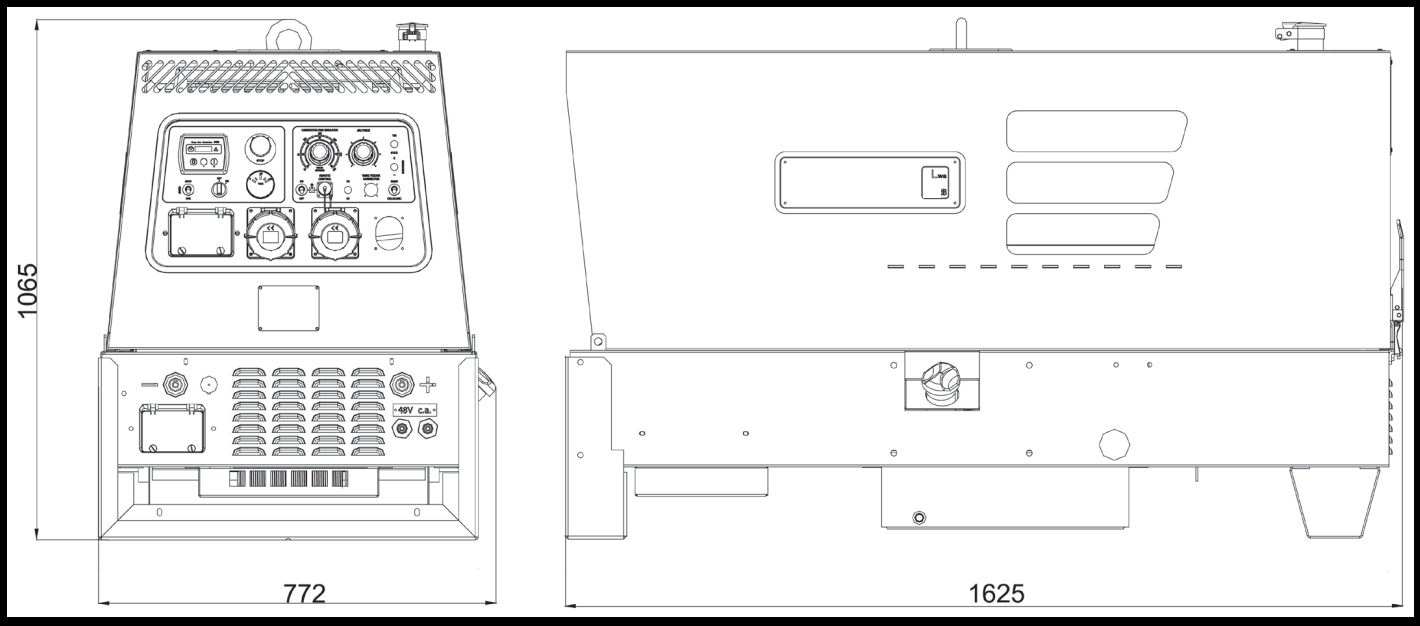


MPM 16/450 I-Y

Shielded Metal Arc Welding (SMAW)

- Arc Force Control
- Remote control socket
- Controller with digital display for full monitoring of generator parameters: generator voltage, battery voltage, frequency, hourmeter;
- With auto engine protection shutdown system in case of:
  - fail to start
  - low oil pressure
  - high coolant temperature
  - low fuel level
  - over/under voltage
  - over/under frequency
- Fuel level gauge
- Starting battery
- Emergency stop button
- Automatic idle device when no load is connected
- 1 x 16 A - 230 V single-phase socket
- 1 x 32 A - 230 V single-phase socket
- 1 x 32 A - 400 V three-phase socket
- 48 V output
- Earth leakage circuit breaker (ELCB)
- Power output protections
- Engine oil drain pipe
- Central lifting hook
- Forklift-ready base

DIMENSIONS IN MM



MPM 16/450 I-Y TECHNICAL DATA

	MPM 16/450 I-Y
Noise level Lwa	98 (73 dB a 7 mt)
AC generator-50Hz	Asynchronous
Three-phase max. power	16 kVA - 400 V
Single-phase max. power	5,3 kVA - 230 V
Single-phase max. power	5 kVA - 48 V
Power Factor	cos ϕ 0,8
DC welding	Electronic current regulation
Duty Cycle @ 60%:	370 A - 35 V
Output range:	30 A - 400 A
Open Circuit Voltage:	70 V
Max welding rod:	6 mm
Yanmar 3000 RPM engine	3TNV80-FYE*
Fuel	Diesel
No. cylinders	3
Power	23,11 HP (17 kWm)
Displacement	1267 cm3
Cooling system	Water
Starting system	Electric
Fuel tank capacity	38 lt
Fuel consumption @75%	4,25 lt/h
Insulation Class	H
Ambient temperature	40 °C
Altitude	1000 mt
Degree of protection	IP 23
Dimensions (LxWxH)	1625x772x1065 mm
Dry weight	502 kg

Compliant with Regulation (EU) 2016/1628 on emissions for mobile machinery.

*Stage V

WATTER
Forhandler / Distributor / Distribuidor / Återförsäljare:
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MPM 16/450 I-Y CUSTOMIZATIONS

	MPM 16/450 I-Y
Options on request	· Spark arrester muffler · Tig Lift Arc welding · CC/CV MIG welding · Oversized fuel tank (60 lt) - Bunded tank · Tig booster
Accessories	· 1- ST50 Welding cables with accessories · 2- Welding remote control · 3- Reverse polarity switch kit (separate) · 4- MIG wire feeder with 10 mt connection cable · 5- Parallel welding box with ammeter and voltmeter (P-BOX) · 6- GRT2W: 2 wheels site trailer

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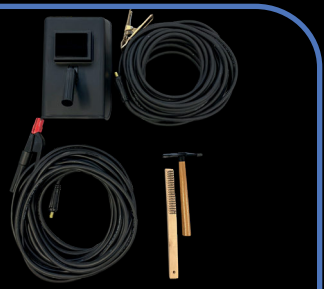

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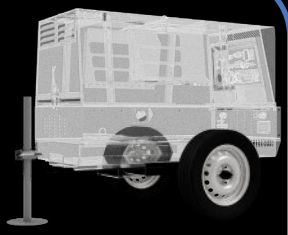

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