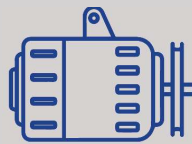


Total control



Asynchronous alternator



Heavy duty

Compact and resistant engine driven welder suitable for frequent handling. Equipped with Yanmar or Perkins 1500/1800 RPM engine and on board control panel, it's fitted for remote control operation. Carbon Arc Gouging as standard.

Asynchronous alternator for a better welding current quality, clean and distortion free wave form. Perfect to power also even more sophisticated equipment such as Inverters and Battery Chargers. Just like all GenSet engine driven welders, it is designed to be used as both a generator and welder simultaneously, its simple and smart design allows a practical and easy use. It can be used as a generator in 50/60 Hz via a convenient selector on the instrument panel.





## MPM 500



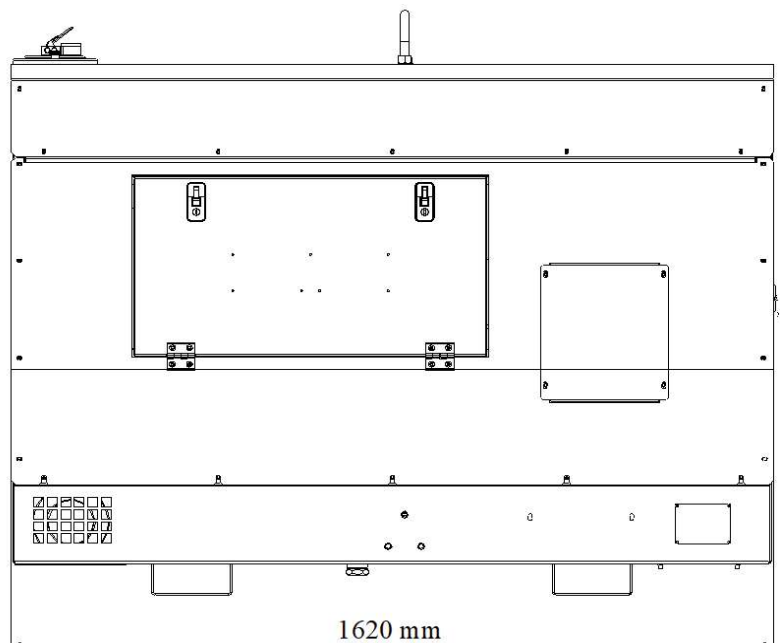
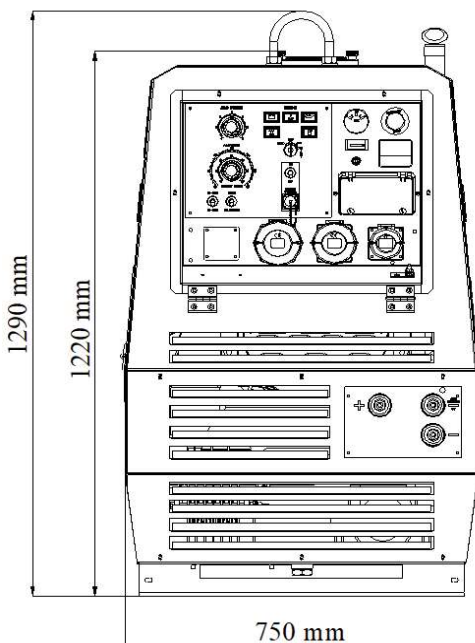
Shielded Metal Arc Welding (SMAW)  
Carbon Arc Gouging (CAG)

- Arc Force Control
- Remote control socket
- Carbon Arc Gouging (CAG) socket
- Low-High amps switch for a more accurate arc control
- Auto engine protection shutdown system with warning lights in case of:
  - battery charger failure
  - low fuel level
  - low oil pressure
  - high coolant temperature
- Starting battery
- Emergency stop button
- Fuel level gauge
- Hourmeter
- Voltmeter
- 50/60 Hz selector
- Engine oil drain pipe
- Central lifting hook
- Fork lift pockets

Socket kit (three-phase version):  
 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  
 Power output protections  
 Earth leakage circuit breaker (ELCB)

Socket kit (single-phase version):  
 1 x 32 A - 230V single-phase socket  
 1 x 32 A - 110V single-phase socket  
 1 x 16 A - 110V single-phase socket  
 Power output protections  
 Earth leakage circuit breaker (ELCB)

## DIMENSIONS IN MM



	MPM 500 Y	MPM 500 P
Noise level Lwa	97 (72 dB a 7 mt)	
AC generator	Asynchronous	
Three-phase power 50 Hz	16 kVA - 400 V	
Three-phase power 60 Hz	16 kVA - 400 V	
Single-phase power 50 Hz	5,3 kVA - 230 V	
Single-phase power 60 Hz	6 kVA - 240 V	
Power Factor	cos φ 0,8	
	Or single-phase version	
AC generator	Asynchronous	
Single-phase power 50 Hz	5,3 kVA - 230 V	
Single-phase power 50 Hz	2,7 kVA - 115 V	
Single-phase power 60 Hz	6 kVA - 240 V	
Single-phase power 60 Hz	3 kVA - 120 V	
Power Factor	cos φ 0,8	
DC welding	Electronic current regulation	
Duty Cycle @ 60%:	450 A - 32 V	
Output range:	30 A - 500 A	
Open Circuit Voltage:	70 V	
Max welding rod:	8 mm	
Engine	Yanmar 4 TNV 88	Perkins 404 A - 22 G
Fuel	Diesel	Diesel
No. cylinders	4	4
Power	24,1 HP (18 kWm) at 1500 rpm 29,4 HP (21,6 kWm) at 1800 rpm	27,6 HP (20,3 kWm) at 1500 rpm 32,4 HP (23,9 kWm) at 1800 rpm
Displacement	2190 cm <sup>3</sup>	2216 cm <sup>3</sup>
Cooling system	Water	Water
Starting system	Electric	Electric
Fuel tank capacity	70 lt	70 lt
Fuel consumption @75%	3,5 lt/h at 1500 rpm 4,7 lt/h at 1800 rpm	4 lt/h at 1500 rpm 4,8 lt/h at 1800 rpm
Insulation Class	H	
Ambient temperature	40 °C	
Altitude	1000 mt	
Degree of protection	IP 23	
Dimensions (LxWxH)	1620x750x1290 mm	
Dry weight	715 kg	790 kg



## MPM 500

Options on request

- Spark arrester muffler
- Built-in polarity reversing switch
- Tig Lift Arc welding
- CC/CV MIG welding

Accessories

- 1- ST50 Welding cables with accessories
- 2- Reverse polarity switch kit (separate)
  - 3- Welding remote control
- 4- MIG wire feeder with 10 mt connection cable
- 5- Parallel welding box with ammeter and voltmeter (P-BOX)
  - GRT2W: 2 wheels site trailer - max. speed 10 km/h
  - GRT4W: 4 wheels site trailer - max. speed 10 km/h



NOTE

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