



## GENSET MPM 5/180 I-D/AE-Y - ENGINE DRIVEN WELDER 5 KVA

Reference: MPM 5/180 I-D/AE-Y

### MOTORWELDING MACHINE WITH ELECTRODE DC GENSET MPM 5-180 I-D-AE-Y THREephase/MONOPHASE 5KVA

GENSET MPM 5-180 I-D-AE-Y DC electrode motorwelder with a 5KVA threephase singlephase diesel engine and electric start. Thanks to its compact size and very low weight, the GENSET MPM 5-180 I-D-AE-Y motorwelder is lightweight and easy to transport.

The GENSET MPM 5-180 I-D-AE-Y also has a low fuel consumption: only 1.5 Lt/h at 75% load.

The GENSET engine driven welder, thanks to the high quality and efficiency of its components, is suitable for welding DC electrodes with a maximum diameter of 4 mm.

#### Main advantages of the GENSET MPM 5-180 I-D-AE-Y motorwelding machine

MOTORWELDING MACHINE WITH CONTINUOUS CURRENT 170A  
WITH ALTERNATE CURRENT THREephase AND SINGLEPHASE GENERATOR  
AUXILIARY POWER AVAILABLE  
DIESEL ENGINE 3000 RPM

#### Technical characteristics of the GENSET MPM 5-180 I-D-AE-Y motorwelder

Welding method: Electrode

Signaling lights for:

- battery charge failure
- low oil pressure

Battery 12V

Differential magnetothermal switch

Power output protections

1 threephase CEE 400V - 16A outlet

1 singlephase CEE 230V - 16A outlet

48V voltmeter

Lwa 99 (74 dB at 7 mt)

DC welding

Current adjustment: electromechanical

Intermittance at 35%: 170A - 27V

Intermittance at 40%: 180A - 20V

Intermittance at 60%: 140A - 26V

Electronic adjustment (DC mode): 40A - 170A

Trigger voltage: 90V

Maximum electrode diameter: 4 mm  
 Ac 50 Hz asynchronous, self-excited and self-protected alternator  
 Threephase (emergency) power: 5kVA - 400V  
 Threephase power (continuous): 4.5kVA - 400V  
 Singlephase power (maximum): 4kVA - 230V  
 Singlephase power (maximum): 1.5kVA - 48V  
 Factor cos ? 0.8  
 Diesel engine 3000 rpm  
 Type: Yanmar L100V - STAGE V - 1 cyl. - 435 cm<sup>3</sup>  
 8.4 HP (6.3 kWm)  
 Boosting: electric (12Vdc)  
 Cooling: air  
 Fuel tank capacity: 30 lt  
 Fuel consumption at 75% load: 1.5 lt/h  
 Isolation class: H  
 Environmental temperature: 40 °C (\*)  
 Reference altitude: 1000 m (\*)  
 Protection class: IP 23  
 Dimensions (L x W x H): 950 x 480 x 574 mm  
 Dry weight: 148 kg  
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Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	3.2
Maximum power single phase (KVA)	4
Maximum power three phase (KW)	4
Continuous power three phase (KW)	3.6
Maximum power three phase (KVA)	5
Continuous power three phase (KVA)	4.5
Fuel	Diesel
Voltage (V)	230 / 400
Sockets configuration	1 x 400V 16A CEE - 1 x 230V 16A CEE
Engine	Yanmar L100V, 4 stroke
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	435
Number cylinders	1
Cooling	Air
Alternator	Asynchronous
Protection degree	IP23

Motor insulation class	H
Regulation current (A)	40 - 170
Open circuit voltage (V)	90
Maximum diameter electrodes (mm)	4
Intermittence	170 A al 35% / 180 A al 40% / 140 A al 60%
Consumption (L/h)	1.5
Acoustic power	99 dB(A)
Acoustic pressure	74 dB(A) at 7 m
Length (mm)	950
Width (mm)	480
Height (mm)	574
Dry weight (Kg)	148
Silenced	No
Super silenced	No
Product type	Engine driven welder
Voltage regulator	No
Engine manufacturer	Yanmar