

MIG / MAG WELDING OUTFITS POWERMIG SERIES

POWERCON
POWERCON ELECTRIC

POWERMIG 250

POWERMIG400

**QUALITY
WITH ECONOMY**

POWERCON offers **POWERMIG** series of MIG/MAG Welding Rectifiers designed for superior welding quality combined with economy and reliability. These sets are suitable for welding in all thickness range application with high productivity.

Salient Features

- ★ Liberally designed for long trouble-free service life.
- ★ Compact and robust construction with excellent manoeuvrability.
- ★ Easy ergonomic voltage selection switches
- ★ Class 'H' Insulation for long service life
- ★ Spot and Stitch timer facilities incorporated.
- ★ 2 / 4 Stroke facility provided
- ★ Electronically controlled wire feeding system for smooth welding
- ★ Low voltage i'll the Wire feeder for vital operator safety
- ★ Sturdy and handy Wire Feeder - less than half the weight of a conventional one reduces operator fatigue. Quick-change feed mechanism facilitates easy change of Feed Roll or Wire Spool.
- ★ Flexible Swan neck torch with top-quality consumables ensures minimum operator fatigue and long service life.

POWERMIG 400



POWERMIG 250

POWER SOURCE	POWERMIG 250	POWERMIG 400
INPUT		
Supply Voltage	415V, 3 , 50HZ	415V, 3 , 50HZ
Input Current (at 60% duty cycle)	13.3 Amp.	30 Amp.
Input KVA (at 60% duty cycle)	9.6 KVA.	21.5 KVA.
Input KVA (at 100% duty cycle)	7.3 KVA	16.7 KVA
OUTPUT		
Open Circuit Voltage	16 - 34V, DC	15 - 45V, DC
Voltage control	10 Steps.	32 Steps.
Welding Current range	40 - 250 Amp.	40 - 400 Amp.
Welding Current (at 60% duty cycle)	250 Amp.	400 Amp.
Welding Current (at 100% duty cycle)	190Amp.	310 Amp.
Spot Weld Time Range (Approx.)	0.2 - 2.0 Sec.	0.2 - 2.0 Sec.
Tack Weld Time Range (Approx.)	0.2 - 2.0 Sec.	0.2 - 2.0 Sec.
Pause Time Range (Approx.)	0.2 - 2.0 Sec.	0.2 - 2.0 Sec.
GENERAL		
Class of Insulation	Class 'H'	Class 'H'
Cooling	Forced Air	Forced Air
Dimension (approx.) L x W x H mm	625 x 400 x 575	900 x 725 x 1050
Weight (approx)	80 Kg.	215 Kg.

Quality

Performance

Economy

POWERCON --- YOUR WELDING COMPANION WITH A DIFFERENCE

MIG /MAG Welding Outfits

POWERMIG SERIES

SPECIFICATION

WIRE FEEDER	POWERFEED 2-16
Feed Block	Double roll, quick change
Connector	To suit euro torch
Drive Motor	Permanent magnet, 24 V DC
Speed control	Electronic control, Step-less
Wire Feed speed	1.5 - 18 mtr./min
Wire Size:	
Steel / SS	0.8 - 1.6 mm (j)
Aluminium	1.2 - 1.6 mm (j)
Soft Wires (Aluminium)	1.2 - 1.6 mm (j)
Weight (without wire reel & inter-connections)	6.5 Kg.(Approx.)
Dimension (without wire reel)	485 x 305 x 185 mm approx.



SPECIFICATION

TORCH	PMT 3- 23ND	PMT 3 2.5HD	PMT 3 - 34ND	PMT 3 - 40HD
Maximum Current (60% Duty Cycle)				
CO2	230 Amps.	250 Amps.	340 Amps.	400 Amps.
Mixed gases	200 Amps.	220 Amps.	320 Amps.	350 Amps.
Cooling	Gas cooled	Gas cooled	Gas cooled	Gas cooled
Cable Length	3 mtrs.	3 mtrs.	3 mtrs.	3 mtrs.
Wire Size:				
Hard Wires (Steel/SS)	0.8 - 1.2 mm (j)	0.8 - 1.2 mm (j)	0.8 - 1.6 mm (j)	0.8 - 1.6 mm (j)
Soft Wires (Aluminium)	1.0 - 1.2 mm (j)	1.0 - 1.2 mm (j)	1.0 - 1.6 mm (j)	1.0 - 1.6 mm (j)
Flux Cored Wires	1.0 - 1.2 mm (j)	1.0 - 1.2 mm (j)	1.0 - 1.6 mm (j)	1.0 - 1.6 mm (j)

MIG/MAG WELDING OUTFIT COMBINATIONS

Capacity	Power source	Wire feeder	Torch
250 amp. at 60% duty cycle	POWERMIG 250	POWERFEED 2 - 16	PMT 3 - 23 ND PMT 3 - 25 HD
400 amp. at 60% duty cycle	POWERMIG 400	POWERFEED 2 - 16	PMT 3 - 34 ND PMT 3 - 40HD

POWERCON provides a wide range of Arc Welding Equipment for various welding processes. For more details please contact POWERCON.

POWERCON reserves the right to alter specifications without notice.



POWERCON ELECTRIC COMPANY

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