

# MIG/MAG Welding Outfits

## POWERMIG SERIES



**QUALITY WITH ECONOMY**

### POWERMIG 250      POWERMIG 400

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 in 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

#### SPECIFICATION

POWER SOURCE	POWERMIG 250	POWERMIG 400
<b>INPUT</b>		
Supply Voltage	415V, 3 $\Phi$ , 50HZ	415V, 3 $\Phi$ , 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
<b>OUTPUT</b>		
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.
<b>GENERAL</b>		
Class of Insulation	Class 'H'	Class 'H'
Cooling	Forced Air	Forced Air
Dimension (approx.) L x W x H mm	625 x 500 x 625	810 x 675 x 1075
Weight (approx)	80 Kg.	190 Kg.

**Quality**

**Performance**

**Economy**

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### 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 $\phi$
Aluminium	1.2 - 1.6 mm $\phi$
Soft Wires (Aluminium)	1.2 - 1.6 mm $\phi$
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 - 25HD	PMT 3 - 34ND	PMT 3 - 40HD
Maximum Current (60 % Duty Cycle)				
CO <sub>2</sub>	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 $\phi$	0.8 - 1.2 mm $\phi$	0.8 - 1.6 mm $\phi$	0.8 - 1.6 mm $\phi$
Soft Wires (Aluminium)	1.0 - 1.2 mm $\phi$	1.0 - 1.2 mm $\phi$	1.0 - 1.6 mm $\phi$	1.0 - 1.6 mm $\phi$
Flux Cored Wires	1.0 - 1.2 mm $\phi$	1.0 - 1.2 mm $\phi$	1.0 - 1.6 mm $\phi$	1.0 - 1.6 mm $\phi$

### 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.



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