

SUBMERGED ARC WELDING SYSTEM



AWR 800

AWR 1200



POWERCON offers AWR series of Rectifier Welding Power Sources for SUBMERGED ARC and MIG/CO₂ process. The **AWR 800** and **AWR 1200** sets coupled with Automatic Welding Heads ensures quality welding with high deposition rate.



Salient Features

- ★ Liberally designed for long trouble-free service life.
- ★ Easy ergonomic voltage selection switches
- ★ Class 'H' Insulation for long service life
- ★ Electronically controlled wire feeding system for smooth welding
- ★ Overload protection provided
- ★ Matched Power Source & Welding Head

SPECIFICATION

POWER SOURCE	AWR 800	AWR 1200
Supply Voltage	415V, 3 Φ , 50HZ	415V, 3 Φ , 50HZ
Input Current (Max)	65 Amp	107 Amp
Input KVA (Max)	47 KVA.	77 KVA.
Open Circuit Voltage	22 - 55V	30 - 60 V,
Welding Current (60% duty cycle)		1200 Amp.
Welding Current (100% duty cycle)	800Amp.	1000 Amp.
Class of Insulation	Class 'H'	Class 'H'
Cooling	Forced Air	Forced Air
Dimension (approx.) L x W x H mm	1000 x 800 x 900	1000 x 800 x 900
Weight (approx)	325 Kg.	365 Kg.

The Welding Head, Control Panel, Wire Spool etc. are mounted on a robust Trolley, suitable for both indoor and site operation. The Control Panel houses all controls for Wire Feed, wire inching Trolley movement etc. And the indicator lamps.



HEAD WITH TRACTOR

Max.Welding current (60% Duty cycle)	1500 Amp
Max.Welding current (100% Duty cycle)	1250 Amp
Speed Range: Wire Feed (4 Roll drive) Carriage	0.3 - 3.0 mtr/min 0.2 - 2.2mtr/min
Wire Diameter	2.0 - 5.0 mm(6.0 mm Optional)
Input to Control Unit (from Power Source)	110 V
Wire Drive Motor	Permanent Magnet DC
Vertical Adjustment	100 mm
Horizontal adjustment (Across)	70 mm
Adjustable distance of Tractor Head	100 mm
Swivel adjustment	180° of the beam supporting Control Box & Head
Angular Displacement	45° Transverse/Parallel to Head Travel
Max. Weight of spool	25 kg
Dimension (approx.) L x W x H mm	1025 x 480 x 780
Weight (approx)	70 kg

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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