

SPECIFICATIONS for MIG/MAG WELDING MACHINE

Description : Double Pulse Synergic Mig/Mag Welding Machine 500 Amps. with Air Cooled Torch.

1. Technical Specification: -

1.1.	Input Supply	:	3-Phase, 415 Volts \pm 15%, 50Hz.
1.2.	Open Circuit Voltage	:	70-90 Volts. (DC)
1.3.	Current Capacity @ 60% duty cycle	:	500 Amps.
1.4.	Current Capacity @ 100% duty cycle	:	310 Amps.
1.5.	Cooling Type	:	Forced Air.
1.6.	Insulation Type	:	Class 'H'
1.7.	Protection Class	:	IP23
1.8.	Power Factor	:	0.9 (Min.)
1.9.	Weight	:	50 Kgs. (Approx.)
1.10.	Machine Load Test	:	Machine to be loaded 312 amps. at 30 volts for testing its thermal capacity. Machine should not trip for 20 minutes of regular use.

2. Features: -

- 2.1. **IGBT-** Inverterised power source with closed loop feedback control enable remote control of welding current and voltage.
- 2.2. Instant ARC starting and stopping controls.
- 2.3. Serve- Controlled wire feeder ensures constant and uniform feeding of wire.
- 2.4. All position welding, high deposition rate with metals such as Mild steel, Stainless steel, Carbon steel, Aluminum and their alloys with proper gases and accessories.
- 2.5. The machine has features of "SYNERGIC MIG CONTROL" which allows auto parameter selection depending on wire diameter.
- 2.6. Provision of features such as pulsing, pulse duration selection, pulse frequency selection must be available.

3. Warranty: -

- 3.1. The machines should be guaranteed to give satisfactory performance for a minimum period of 30 (Thirty) months or as per IRS conditions after commissioning. All replacement and repair that the purchaser call upon the supplier to deliver or perform under warranty shall be delivered and performed promptly and satisfactory free of cost.

4. Manual: -

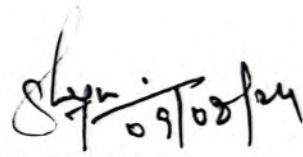
- 4.1. The Supplier shall be required to submit 01 copy of operation maintenance & trouble shooting manual also complete catalogue given part list number of each component and assembly drawings, along with electric circuit diagram with each machine.

5. Training: -

- 5.1. The supplier shall be required to train the nominated staff of consignee work in operation & maintenance or of the machine at consignee works free of charge at the time of commissioning of the equipment.


SSE/WR/WLD
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उ० रे० जगाधरी वर्कशॉप


WM/W
Works Manager (W)
N. Rly. Jagadhri W/shop


DY. CME/W
उप मुख्य यांत्रिक अभियन्ता
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