

## Technical Specification

### 3 PHASE 350 AMP INVERTER BASED SYNERGIC GAS METAL ARC PULSE WELDING MACHINE - Quantity required - 1 no.

TECHNICAL FEATURES	DIMENSIONS/ SPECIFICATION	COMPLIANCE (YES/NO)
Rated input voltage	400 VAC	
Phase	3 Phase	
Frequency	50/60 Hz	
No Load Power Consumption	37W	
Rated current range	20 - 350 Amps	
Rated output voltage	14 - 45 V (GMAW)	
Welding current at 40°C @ 60% duty cycle	350 Amp	
Welding current at 40°C @ 100% duty cycle	275 Amp	
Conformation to International Standards	Machines are manufactured as Standard CE - IEC60974-1	
Power control method	Inverter controlled dual IGBT blocks	
Synergic Mode	Yes Available	
Ingress Protection	IP 23	
Power Factor	>0.9	
Cooling type	Forced cooling	
Operating temperature	-10°C to 50°C	
Wire Feeder Type	Separate, 4 roll drive	
Wire Speed	1 - 25 m/min	
Wire Feed Mechanism	4 Roll Drive	
Wire Reel Capacity	18 kg / 300 mm	
Wire Diameter Range	Steel: 0.6 - 1.2 mm	
	Stainless Steel: 0.6 - 1.2 mm	
	Flux Cored: 0.9 - 1.6 mm	
	Aluminum: 0.8 - 1.2 mm	
	CuSi / CuAl: 0.8 - 1.2 mm	
Weight	98 Kg	

Type of insulation level	Class H	
Open circuit voltage	85 V	
Design	Main PCB should be protected from ingress of dust/splash/mechanical impact	
Digital Display	LED display	
Over voltage and under voltage protection	Over voltage and under voltage protection available to protect the machine from large variation in input voltage	
No. of Programs	100	
GMAW Modes	MIG, SYNERGIC MIG, PULSE MIG, DOUBLE PULSE MIG, MMAW	
MIG Torch	350 Amps Gas Cooled 3 mtr long	
Self Shielded Wire Welding Torch	350 Amps Gas Cooled 3 mtr long	
Trolley	Power Source to be assembled on 4 wheel trolley	
<p><b><u>ACCESSORIES REQUIRED</u></b></p> <ul style="list-style-type: none"> <li>• 4 ROLL DRIVE WIRE FEEDER , 1.2/1.6 mm Drive rolls</li> <li>• 4.5 Mtr INTERCONNECTING CABLE</li> <li>• EARTH CABLE WITH CLMAP, 70 sqmm, 4 mtr</li> <li>• ELECTRODE HOLDER WITH CABLE, 50 sqmm, 4 mtr MIG TORCH GRIP 350A, 3 mtr</li> <li>• BOX OF CONSUMABLES, MIG TORCH GRIP 350A</li> <li>• SELF SHIELD FLUX CORD GUN, 350 A, 10 Ft, 6"/60° WITH ALL CONSUMABLES</li> <li>• APRON / GLOVES / CHIPPING HAMMER/STEEL BRUSH KIT – 10 SET</li> <li>• FLIP FLAP WELDING HELMET-20 Nos</li> <li>• DOUBLE STAGE DOUBLE GAUGE ARGON REGULATOR WITH FLOW METER</li> </ul>	YES	

<ul style="list-style-type: none"><li>• DOUBLE STAGE DOUBLE GAUGE CO<sub>2</sub> REGULATOR WITH FLOW METER</li><li>• ARGON CYLINDER duly filled with Argon Gas, 7m<sup>3</sup></li><li>• CO<sub>2</sub> CYLINDER duly filled with CO<sub>2</sub> Gas, 30 kg</li><li>• ARGON CO<sub>2</sub> CYLINDER duly filled with Argon/CO<sub>2</sub> MIX Gas, 7m<sup>3</sup></li><li>• 70S6 MIG Wire, 1.2 mm, 15 kg per Spool</li><li>• 309L SS MIG Wire, 1.2 mm, 15 kg per Spool</li><li>• 4043 AL MIG Wire, 1.2 mm, 15 kg per Spool</li><li>• 81T8 SELF SHIELDED, 1.6 mm, 25 kg Bucket of 2 Spools</li></ul>		
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