



MIG 400E / 500E



Application :

Automobile
Shipbuilding
Heavy Fabrication
Pressure Vessel Mfg
Refinery

Processes :

GMAW (MIG)
FCAW (Fluxcored)
SMAW (Stick)
GTAW (TIG)

Input Power:

400E / 500E 3 Phase, 400 V, 50/60 Hz

Rated Output:

400E 16 40 V, 20 400 A

500E 16 45 V, 30 500 A

Net Weight:

400E 28 kg

500E 33.5 kg

Features (Power Source) :

IGBT Inverter Technology
Dual Digital Meters
Stepless Voltage & Wire Feed Speed Control
Electronic Choke adjustment for better Arc Control
Crater Ampere & Voltage Control
Spot Timer available
Pre & Post Gas Flow Control
Burn Back Control
Arc Force Control available in MMAW Mode
Compatible to Generator Power Supply
Power Factor is 0.9
IP21S Compliance

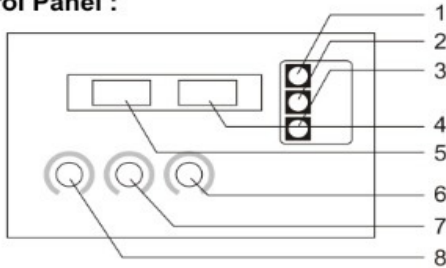


Features (Wire Feeder) :

24 VDC Pan Cake Motor
Quick Release Drive Roll Pressure Adjustment Arm
4 Roll All-Gear driven Drive Roll Carriers
Solid state Speed Control & Brake Circuit
Remote Voltage Control
Spool Cover prevents Wire Spool from contamination



Control Panel :



1. MIG / MMA Selector Switch
2. 2T / 4T / Spot Timer Selector Switch
3. Gas Check Switch
4. Digital Voltmeter
5. Digital Ammeter
6. Electronic Choke (Inductance) Control
7. Crater Voltage / Arc Force / Spot Timer Control
8. Crater Current / Wldg Current / Spot Time Control

Technical Specification Power Source :

DESCRIPTION	UNIT	MIG 400 E	MIG 500 E
INPUT SUPPLY			
Voltage	Voltas	415 V, 10%	
Phase	No	3	
Frequency	Hz	50 / 60	
Power @ 100% duty cycle	kVA	20.8	27
Power Factor	cosØ	0.9	
Efficiency	%		
OUTPUT POWER			
Characteristics	Type	CC / CV	
Welding Voltage Range	Voltas	16 - 40	16 - 45
Welding Current Range	Amps	20 - 400	30 - 500
Welding Current @ 60% duty cycle*	Amps	400	500
Welding Current @ 100% duty cycle*	Amps	310	380
GENERAL			
Protection	Class	IP21S	
Cooling	Type	Fan, Air Forced	
Insulation	Class	H	
Dimension (L x W x H)	mm	650 x 320 x 545	
Weight	kg	28	33.5

Technical Specification Wire Feeder :

Protection	m/min	1.5 - 25	
Cooling	Type	Pan Cake Motor, 4 Roll, Quick Release	
Insulation	mm	0.8 / 1.0 / 1.0	0.8 / 1.0 / 1.2 / 1.6
Dimension (L x W x H)	mm	490 x 350 x 420	
Weight	kg	14.5	

Package Information :

Power Source, 4 Roll Drive Wire Feeder, 4.5 m Interconnecting Cable Assembly, 3 m Earthing Cable with Clamp.

Warranty :

Twelve Months from the date of commissioning or Eighteen Months from the date of Supply whichever is earlier
In view of continuous development, All Weld Solution Private Limited reserves the right to modify / change the design and / or specification without any prior notice.



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