

GTAW TIG Series



1
Phase

3
Phase

50/60
Hz

EMC

DC
HF

CC

Duty Cycle
60 %



TIG/MMA-230



TIG/MMA-400 HD



TIG/MMA-500 HD

Functions

TIG High Frequency.
Manual Metal ARC Welding.

Application Industry

Heavy Industrial Fabrication
Oil & Gas Industries Fabrication
Industrial Maintenance
Automobile Industries
Pipe Line Welding
Stainless Steel Fabrication
Process Industries
Cement Industries
Ship Building yard
Stainless Steel Tube Mill.

Accessories



Optional Accessories



GTAW TIG Series



Features :-

- ❖ Compact Size, Lightweight & Power Saving
- ❖ Trigger Mode 2 Step & 4 Step
- ❖ Strong Current Output, Superior TIG & MMA Welding.
- ❖ Stepless Adjustment of Current in a wide range.
- ❖ Digital Display for Accurate Parameter Preset.
- ❖ Suitable for Mild Steel, Alloy Steel & Stainless Steel etc.
- ❖ Enhanced and efficient Soft Switching Inverter Components.
- ❖ Machine having functions of- Preflow, Postflow, Upslope, Downslope & hotstart.
- ❖ Spot TIG Welding.

TECHNICAL SPECIFICATIONS:

PARAMETERS	MACHINE MODELS		
	TIG/MMA 230	TIG/MMA 400	TIG/MMA 500
Input Voltage (V)	1Ph. 220± 10%	3Ph. 415± 10%	3Ph. 415± 10%
Frequency (Hz)	50Hz	50Hz	50Hz
Rated Input Current (A)	41 A	24 A	33 A
Power (KVA)	9 KVA	17.3 KVA	23.7 KVA
No Load Voltage (V)	65 V DC	80 V DC	80 V DC
Output Current Range (A)	10-200 A DC	20-400 A DC	20-500 A DC
Rated Output Voltage (V)	18 V DC	32 V DC	34 V DC
Duty Cycle @40°C (%)	60%	60%	60%
No Load Loss (W)	20 W	80 W	80 W
Efficiency (%)	83%	83%	83%
Power Factor (PF)	0.8	0.95	0.95
Arcing Way	High Frequency	High Frequency	High Frequency
Insulation Grade	F Class	FClass	FClass
Protection Class	IP21S	IP21S	IP21S
Pre Flow Time (Sec.)	0.1-1.5 Sec.	0.1-1.5 Sec.	0.1-1.5 Sec.
Post Flow Time (Sec.)	0.1-5 Sec.	0.1-5 Sec.	0.1-5 Sec.
Down Slope (Sec.)	0.1-10 Sec.	0.1-10 Sec.	0.1-10 Sec.
Nett. Weight Power Source (Kg.)	6.7 kg.	35 Kg.	40 Kg.
Dimensions (mm)	384x160x300	520x260x360	520x260x360