

SMAW MMA HD Series



3
Phase

50/60
Hz

EMC

DC

CC

VRD

Duty Cycle
60%



ARC-400HD



ARC-500 HD



ARC-630 HD

Functions

Manual Metal ARC Welding,
Lifting ARC Striking TIG
Carbon ARC Gouging.

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



ARC-1250 HD

Optional Accessories



SMAW MMA HD Series



Features :-

- ❖ Compact Size, Lightweight & Power Saving
- ❖ Strong Current Output & Industrial Welding and Gouging Performance
- ❖ Stepless Adjustment of Current in a wide range.
- ❖ Digital Display for Accurate Parameter Preset with Single potentiometer control.
- ❖ Suitable for Mild Steel, Alloy Steel & Stainless Steel etc.
- ❖ Enhanced and efficient Soft Switching Inverter Components.
- ❖ Machine use for all welding positions.
- ❖ Machines can use for Scratch TIG function.
- ❖ Built in VRD (Voltage Reducing Device) on/off.
- ❖ Over Temperature Tripping.
- ❖ Output Short-Circuit protection.
- ❖ EMC protection built in input & output circuit.

TECHNICAL SPECIFICATIONS:

PARAMETERS	MACHINE MODELS			
	ARC-400 HD	ARC-500 HD	ARC-630 HD	ARC-1250 HD
Input Voltage (V)	3Ph. 415V \pm 10%	3Ph. 415V \pm 10%	3Ph. 415V \pm 10%	3Ph. 415V \pm 10%
Frequency (Hz)	50Hz	50Hz	50Hz	50Hz
Rated Input Current (A)	24 A	32 A	58 A	83 A
Power (KVA)	17 KVA	23 KVA	42 KVA	60 KVA
No Load Voltage (V)	78 V DC	84 V DC	84 V DC	85 V DC
Output Current Range (A)	10-400 A DC	10-500 A DC	10-600 A DC	50-1200 A DC
Rated Output Voltage (V)	34.4 V DC	39.2 V DC	42 V DC	44 V DC
Duty Cycle @40°C (%)	60%	60%	100%	100%
No Load Loss (W)	80 W	80 W	100 W	240 W
Efficiency (%)	85%	85%	85%	85%
Power Factor (PF)	0.95	0.95	0.95	0.95
Electrode Size (mm)	ø 1.6mm-5mm	ø 2.4mm-6mm	ø 2.4mm-6mm	ø 2.4mm-11mm
Insulation Grade	FClass	FClass	FClass	FClass
Protection Class	IP21S	IP21S	IP21S	IP21S
Nett. Weight Power Source (Kg.)	21.4 K.g	25.1 K.g	41.5 K.g	84.4 K.g
Dimensions (mm)	535x260x475	605x283x522	650x315x670	676x360x955