

# SMAW MMA Series

1  
Phase

3  
Phase

50/60  
Hz

DC

CC

VRD

Duty Cycle  
60%



**ARC-230**



**ARC-300**



**ARC-400**

## Functions

Manual Metal ARC Welding &  
Lifting ARC Striking TIG

## Application Industry

Domestic Fabrication  
Agro Industries Fabrication  
Industrial Maintenance  
Automobile Workshop  
Stainless Steel Fabrication



## Optional Accessories



# SMAW MMA Series



## Features :-

- ❖ Compact Size, Lightweight & Power Saving
- ❖ Stepless Adjustment of Current in a wide range.
- ❖ Digital Display for Accurate Parameter Preset with Single potentiometer control.
- ❖ Suitable for Mild Steel & Stainless Steel etc.
- ❖ Enhanced and efficient Soft Switching Inverter Components.
- ❖ Latest Inverter Based Technology.
- ❖ Built in VRD (Voltage Reducing Device) on/off.
- ❖ Over Temperature Tripping.
- ❖ Output Short-Circuit protection.

## TECHNICAL SPECIFICATIONS:

PARAMETERS	MACHINE MODELS		
	ARC-230	ARC-300	ARC-400
Input Voltage (V)	1Ph. 220V ± 10%	1Ph. 220V ± 10%	3Ph. 415V ± 10%
Frequency (Hz)	50Hz	50Hz	50Hz
Rated Input Current (A)	41 A	55 A	35 A
Power (KVA)	9.0 KVA	12.0 KVA	13 KVA
No Load Voltage (V)	65 V DC	65 V DC	68 V DC
Output Current Range (A)	30-200 A DC	30-250 A DC	10-350 A DC
Rated Output Voltage (V)	28 V DC	29.6 V DC	32.8 V DC
Duty Cycle @40°C (%)	60%	60%	60%
No Load Loss (W)	20 W	20 W	60 W
Efficiency (%)	83%	83%	89%
Power Factor (PF)	0.8	0.8	0.95
Electrode Size (mm)	ø 1.6mm-3.15 mm	ø 1.6mm-3.15 mm	ø 1.6mm-4mm
Insulation Grade	F Class	F Class	F Class
Protection Class	IP21S	IP21S	IP21S
Nett. Weight Power Source (Kg.)	5.2 K.g	7.8 K.g	13.4 K.g
Dimensions (mm)	335x156x310	375x210x360	440x220x400