

ARC WELDING UNIT IW-300 CA-CD

APPLICATION: This arc welding unit has both, an AC and a DC outlet. This allows the use of a greater variety of covered welding rods, including spray transfer electrodes (low hydrogen content). It can be used to weld high, medium and low carbon steel, cast iron, stainless steel, aluminium, etc. When using DC, you can weld in any position, namely, horizontal, flat, vertical and overhead.

OPERATION: The AMP setting is controlled by means of a moving core. This core is regulated through a handle on the front of the unit. This handle allows the operator to set the right AMP according to both, the type and diameter of the welding rod and the thickness of the parts to be joined. .

Voltage selector (low and high): It provides two tension settings for both, AC and DC. A high voltage setting for low hydrogen content and cellulosic welding rods and a low setting for general welding. AC / DC selector.

CHARACTERISTICS:

- a) Transformer made out of silicon steel plates, electrical grade, to minimize power loss when idle and power consumption.
- b) Coils made with copper wire shielded with Dacron and fibreglass strands for high temperatures.
- c) Rectifier made with silicon diodes and aluminium heat sinks.
- d) Stabilizer made with copper wire coils to ensure high arc stability.
- e) Integrated cart with handlebar, two swivel wheels and two fixed wheels which make moving the power plant around extremely easy.



POWER SUPPLY		LOAD	CA	CD
Tension	220/440 V	Type of insulation	80 V	73 V
Current	47/95 Amperes	Nominal arc tension	30 V	30 V
Actual power	15.8 Kw	Nominal current	300 A	250A
Seeming power	20.9 Kw	Nominal work cycle	40%	40 %
Power factor	76%	Current at 100% work cycle	160 A	150 A
No. of phases	1	Amperage range	50-330 A	50-280 A
Frequency	60 Hrz			
Type of insulation	155°C			

TECHNICAL OUTLINE									
Nomimal outlet 40% Work cycle	Current range- Amperes	Maximum voltage Open circuit	Power Supply		Width	Height	Length	Weight	Actual power
			220V	440V					
300 A at 30V AC 250 A at 30V DC	Low 60-230 A High 115-324 Low 50-190 A High 75-250 A	80 Volts CD	88A	4 A	45.7 cm (18")	60.5 cm (23.8")	71.1 cm (28")	110 Kg	15.8 Kw