

ARC WELDING MACHINE IW-235 CA

APPLICATION: It can be used with AC and conventional type welding rods like: E 6013, E 6011, E 7018 CA, and also with special welding rods for AC (stainless steel and cast iron).

A high frequency unit can be plugged in to be used in aluminium welding by TIG (GTAW) process.

OPERATION: Welding rod diameters 1/16" to 1/8" (1.58 mm to 3.175 mm) can be used when this arc welding unit is plugged in to 127 Volts, whereas electrodes 1/16" to 3/16" (1.58 mm to 4.763 mm) can be used when the unit is plugged in to 220 Volts.

This unit has been designed to operate at a work cycle of 20% at nominal current (235 amperes). If you are using a lower value, the work cycle will increase in proportion.

The work cycle is based on a period of ten minutes for all welding units. A 20% work cycle means that you can work at the nominal current for 2 minutes and let the unit cool down for 8 minutes with the fan working non stop.

CHARACTERISTICS:

- a) The transformer plates are made out of silicon steel, electric grade, to minimize both, energy loss when idle as well as electric power consumption.
- b) Transformer and connector insulation are high quality and specially designed for high working temperatures.
- c) AMP lock is set with the handle on the top of the unit.
- d) POWER ON indicator on the front part of the unit.
- e) Integrated cart with handlebar, two wheels and front stand which make moving the arc welding unit around an extremely easy task.
- f) Power breaker for industrial use.



TECHNICAL OUTLINE

| Nominal outlet 20% Working cycle | Current range Amperes | Maximum Voltage Open circuit | Power supply | | Width | Height | Length | Weight | Actual power |
|--|-----------------------------|---------------------------------------|--------------|-------|---------------------|---------------------|---------------------|--------|-----------------|
| | | | 127 V | 220 V | | | | | |
| 235 Amps at 24 Volts AC | Low 50-180 High 65-240 | 75 Volts CA | 29 A | 57 A | 32.3 cm (12.75") | 47.6 cm (18.75") | 32.3 cm (12.75") | 42 Kg | 9 Kw |