

ARC WELDING MACHINE IW-235 CA-CD



APPLICATION: When used with DC, IW-235 CACD provides a mild, stable arc. Its AMP range covers from 40 to 160 Amperes. This is enough for AC welding rods up to 5/32" (4.0 mm) in diameter. With AC you can use conventional type welding rods like: E 6013, E 6011, E 7018 CA and special AC welding rods (stainless steel and cast iron).

When a high frequency unit is plugged in, you can weld either aluminium or staniless steel by TIG (GTAW) process.

OPERATION: This unit allows you to use welding rod diameters from 1/16" to 1/8" (1.58 mm to 3.175 mm) when plugged in to 127 Volts and from 1/16" to 3/16" (1.58 mm to 4.763 mm) when plugged in to 220 Volts. This welding unit has been designed to operate in a work cycle of 20% at nominal current (235 Amperes). If you are using a lower current, the work cycle will increase in proportion.

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

CHARACTERISTICS:

- a) The transformer plates are made out of silicon steel, electrical grade, to minimize power loss when idle as well as 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 lower part of the unit.
- d) POWER ON indicator on the front part of the unit.
- e) Integrated cart with handlebar, two wheels and a front stand which make moving the welding unit around an extremely easy task.
- g) Silicon diode rectifier and aluminium heat sinks.
- h) Stabilizer made with copper wire coils for high arc stability.

TECHNICAL OUTLINE

Nominal outlet 20% Work cycle	Current range Amperes	Maximum voltage Open circuit	Power supply		Width	Height	Lenght	Weight	Actual power
			127 V	220 V					
235 Amps at 24 Volts AC 160 Amps at 24 Volts DC	Low 50-180 High 65-240 One single range 50-180	67 Volts CD	29 A	57 A	32.3 cm (12.75")	47.6 cm (18.75")	32.3 cm (12.75")	51.4 Kg	9 Kw