

## WELDING MACHINES

GRAND TIG 202 DC PULSE PFC MV is a multi process inverter power source suitable for TIG DC and TIG DC PULSE that also allows electrode welding.

All major parameters are easily selected with the new LCD display so that the highest welding quality can be achieved. With excellent priming (HF), GRAND TIG 202 DC PULSE PFC MV easily welds stainless steels, copper alloys, carbon steels and titanium.

Tig Pulse permit to have very good performance in very thin thicknesses metal sheets, and reduce considerably the deformations.

The SPOT and MULTI SPOT functions significantly improve the spot phase, especially on very thin sheets metal and stainless steels.

P.F.C (Power Factor Corrector) reduce the harmonic current emissions and increase the power inverter efficiency reducing the input current more than 20%. It permit to have higher welding current than a standard inverter using a poor supply network and permit to use a very long supplying cables or a not stabilized line.

Multi voltage device permits to connect the machine from 90V to 275V single phase supply network.

It is equipped with temperature, voltage and current sensors for high protection and it is designed to avoid failures due to voltage spikes as when using diesel generator.

Extremely low weight and strength make GRAND TIG 202 DC PULSE PFC MV ideal for food industry, petrochemical plants and for every medium steel fabrication where a very high welding performance is required and with the multi voltage device It becomes the perfect machine for anyone who works off the workshop.

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## SUGGESTED ACCESSORIES

1. 3MT 25MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM	21002
2. 3MT 25MM2 EARTH CABLE WITH CLAMP PLUG 13MM	21003
3. HELMET LKM ALTAVISTA HD	33000
4. GRAND PEDAL WIRED 5M	40010
5. GRAND PEDAL WRC	43001
6. GRAND WRC EVO	43019
7. TIG TORCH 26 LKM G STYLE 4MT	22035



## PRODUCT PARAMETERS

CODE	12009
INPUT VOLTAGE	110V-230V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER*	3,4KW-4,2KW (1PH-110V) 4,5KW-6,7KW (1PH-230V)
RATED INPUT CURRENT (I1MAX)*	31A-38,5A (1PH-110V) 19,5A-29A (1PH-230V)
EFFECTIVE INPUT CURRENT (I1EF)*	29,4A-24,3A (1PH-110V) 15,1A-18,3A (1PH-230V)
DUTY CYCLE 60% (10 MIN 40°C)*	100A (1PH-110V) 200A-165A (1PH-220V)
DUTY CYCLE 100% (10 MIN 40°C)*	150A-85A (1PH-110V) 155A-130A (1PH-230V)
NO LOAD VOLTAGE	66V
CURRENT RANGE*	3A-160A/ 10A-130A (1PH-110V) 3A-200A/ 10A-200A(1PH-220V)
NET WEIGHT	9,2KG
DIMENSIONS	520X180X300MM
PROTECTION CLASS	IP23S
POWER FACTOR	0,99
TIG TRIGGER CONNECTOR	12 PINS
EFFICIENCY(%)	89,50%
IDLE STATE POWER CONSUMPTION	20W

\*(TIG/MMA)

