



### MOBI EL 5001G

This machines are suitable for high quality welding of coated electrodes as Alkaline, Rutile, Cellulose (as option) and designed for working in heavy duty conditions specially hot climate. In addition, less energy consumption comparing to other machines in market and complying with IEC International and ISRI standards insures longer life and safety.

### Features

- ◆ Ability of MMA & TIG DC welding with ideal quality (TIG Lift Mode as option)
- ◆ Protection against short circuit and surge currents
- ◆ Automatic control of cooling fan and operating only in overheating insures long life for fan and prevents excess sediment of dust inside the machine
- ◆ Very easy for transportation just with single person
- ◆ Ability of adjustment very low current in TIG DC mode makes the machine ideal to weld even very thin materials
- ◆ Designed especially for hot and heavy duty and hard conditions (It is possible welding 300A (in duty cycle 100%) while the temperature is 40 centigrade degree)
- ◆ A stable, spatter free arc and easily controlled molten pool
- ◆ Adjusting "Arc force" to obtain the best welding quality with coated electrodes Alkaline, Rutile, Cellulose,... (option for Mobi EL Cell series)
- ◆ Special patented gearbox for potentiometer (for Mobi El 5001)
- ◆ Constant welding current regardless of cable length, arc voltage, mains voltage fluctuations
- ◆ Indicator for overload protection and against short circuit
- ◆ Digital display of preset and real current in welding processes
- ◆ Equipped with Anti-stick system and excellent striking capabilities

**Accessories (Included)**

- ◆ Male cable connector

**Optional Accessories**

- ◆ Earth clamp and cable, Electrode holder and cable
- ◆ Air cooled TIG torch
- ◆ Argon Regulator
- ◆ Auto-Darkening Welding Helmet

TECHNICAL DATA		MOBI EL 5001G	
<b>WELDING OUTPUT</b>		MMA	TIG (Option)
Output Current	A	15 - 400	7 - 200
Duty Cycle at Maximum Welding Current (40°C)		40%	-
Welding Current @ 60% Duty Cycle (40°C)	A	350	-
Welding Current @ 100% Duty Cycle (40°C) <sup>1</sup>	A	300	200
No. Load Voltage	V	68	
<b>MAINS CONNECTION (Three Phase, 50/60Hz, 400V)<sup>2</sup></b>			
Fuse	A	35 (F)	
Mains Cable Cross Section (Cc, Nyy)	mm <sup>2</sup>	4 x 4	
Primary Current per phase @ 200A welding current	A	14	11.2
Primary Current @ 100% Duty Cycle	A	22.5	11.2
Installation power (max)	KVA	21	7.7
Install power @ 100% Duty Cycle	KVA	15.6	7.8
<b>MISCELLANEOUS</b>			
Cooling		Fan	
Protection Class		IP21	
Insulation Class		F or H on request	
Weight	Kg	23.5	24
Dimensions ( L x W x H)	mm	495 x 280 x 390	