

WELDING MACHINES

GRAND CUT 42 PFC is a single-phase inverter plasma cutting generator. It features the LKM CUT 60 torch (60A at 60% duty cycle) with pneumatic ignition (no HF), which provides excellent cutting performance with long-lasting consumables and reduced compressed air consumption. The PFC (Power Factor Corrector) reduces the harmonic currents fed into the network and increases the efficiency of the inverter, reducing consumption by over 20%. For the same reason, it allows for higher cutting parameters when using an imperfect power supply, such as very long cables, voltage fluctuations, or when using generators. The MULTI VOLTAGE device allows the machine to be connected to a single-phase network from 90V to 275V. Equipped with current, voltage, and temperature sensors for maximum protection, and with a 50% duty cycle at 40A, the GRAND CUT 42 PFC is one of the most powerful single-phase plasma cutting generators on the market.

GRAND CUT 42 PFC



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SUGGESTED ACCESSORIES

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| 1. PLASMA TORCH LKM CUT 60 6MT CENTRAL ADAPTOR (INCLUDED) | 24006 |
| 2. PLASMA TORCH LKM CUT 60 12MT CENTRAL ADAPTOR | 24008 |
| 3. 3MT 10MM ² EARTH CABLE WITH CLAMP PLUG 13MM (INCLUDED) | 21010 |
| 4. HELMET LKM BASE H | 31000 |

PRODUCT PARAMETERS

CODE	14013
INPUT VOLTAGE	230V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATHERED INPUT POWER	3,7KW (1PH-110V)
	4,6KW (1PH-230V)
RATED INPUT CURRENT (I1MAX)	34A (1PH-110V)
	21A (1PH-230V)
RATED INPUT CURRENT (I1EFF)	18,3A (1PH-110V)
	14,1A (1PH-230V)
DUTY CYCLE 50% (10 MIN 40°C)	40A (1PH-110V)
DUTY CYCLE 60% (10 MIN 40°C)	25A (1PH-110V)
	35A (1PH-230V)
DUTY CYCLE 100% (10 MIN 40°C)	20A (1PH-110V)
	30A (1PH-230V)
NO LOAD VOLTAGE	360V
CUTTING CURRENT RANGE	20A/30A (1PH-110V)
	20A/40A (1PH-230V)
NET WEIGHT	9KG
DIMENSIONS	530X190X300MM
PROTECT CLASS	IP23S
INSULATION CLASS	F
POWER FACTOR	0,99
RECOMENDED CUT CAPACITY	13MM (1PH-230V)
MAXIMUM CUT CAPACITY	20 MM (1PH-230V)
SEVERANCE CUT CAPACITY	24MM (1PH-230V)

