



**LOKERMANN  
CUTTING MACHINES  
RANGE**

# GRAND CUT 40 PFC MV



## SUGGESTED ACCESSORIES

1. **PLASMA TORCH LKM CUT 60 6MT COAX (INCLUDED) 24006**
2. **3MT 10MM2 EARTH CABLE WITH CLAMP PLUG 13MM (INCLUDED) 21010**
3. **HELMET LKM BASE H 31000**



**FOR TORCH SPARE PARTS SEE PAGE 78**

## PRODUCT PARAMETERS

CODE	14004
INPUT VOLTAGE	90-275V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER	3,7KW (1PH-110V) 4,6KW (1PH-230V)
RATED INPUT CURRENT (I1MAX)	34A (1PH-110V) 21A (1PH-230V)
EFFECTIVE INPUT CURRENT (I1EFF)	20A (1PH-110V) 15A (1PH-230V)
DUTY CYCLE 50% (10 MIN 40°C)	40A (1PH-230V)
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	310V
CUTTING CURRENT RANGE	20A-30A (1PH-110V) 20A-40A (1PH-230V)
NET WEIGHT	9KG
DIMENSIONS	540X185X305
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,99
RECOMMENDED CUT CAPACITY	13MM (1PH-230V)
MAXIMUM CUT CAPACITY	20MM (1PH-230V)
SEVERANCE CUT CAPACITY	24MM (1PH-230V)



GRAND CUT 40 PFC MV is a multi voltage single phase inverter power source for cutting. It mounts a LKM CUT 60 torch (duty cycle 60% 60A) with pneumatic ignition and permit to have the higher cutting performance with elongated tip's life and with a reduced compressed air consumption. P.F.C (Power Factor Corrector) reduce the harmonic current emissions and increase the power inverter efficiency reducing the input current more than 20%. For the same reason it permit to have higher output cutting 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 permit 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. With a duty cycle of 50% at 40A GRAND CUT 40 PFC MV is one of the most powerful single-phase cutting machines in the market.





# GRAND CUT 41 COM



## SUGGESTED ACCESSORIES

1. **PLASMA TORCH LKM CUT 40C 4MT CENTRAL DIRECT (INCLUDED) 24004**
2. **3MT 10MM2 EARTH CABLE WITH CLAMP PLUG 13MM (INCLUDED) 21010**
3. **HELMET LKM BASE H 31000**



**FOR TORCH SPARE PARTS SEE PAGE 77**

## PRODUCT PARAMETERS

CODE	14001
INPUT VOLTAGE	230V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	1
RATED INPUT POWER	4,8KW
RATED INPUT CURRENT (I1MAX)	34,0A
EFFECTIVE INPUT CURRENT (IIEFF)	26,5A
DUTY CYCLE 60% (10 MIN 40°C)	40A
DUTY CYCLE 100% (10 MIN 40°C)	31A
NO LOAD VOLTAGE	27V
CUTTING CURRENT RANGE	20A-40A
NET WEIGHT	20KG
DIMENSIONS	550X240X425
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,65
RECOMENDED CUT CAPACITY	13MM
MAXIMUM CUT CAPACITY	20MM
SEVERANCE CUT CAPACITY	24MM



GRAND CUT 41 COM is a single phase inverter power source for cutting with internal compressor, and with the possibility of using an external compressor.

The internal compressor eliminates the need for an external air compressor and filter in order to facilitate the movement of the machine and the offsite use. The external compressor permits to have high cutting performance.

It mounts a LKM CUT torch with pneumatic ignition and permit to have an elongated tip's life.

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.

With a duty cycle of 60% at 40A GRAND CUT 41 COM is the ideal machine for anyone who wants to speed up cutting operations in any environment.

## GRAND CUT 41 COM



# GRAND CUT 60



## SUGGESTED ACCESSORIES

1. **PLASMA TORCH LKM CUT 60 6MT COAX (INCLUDED) 24006**
2. **3MT 10MM<sup>2</sup> EARTH CABLE WITH CLAMP PLUG 13MM (INCLUDED) 21010**
3. **HELMET LKM BASE H 31000**



**FOR TORCH SPARE PARTS SEE PAGE 78**

## PRODUCT PARAMETERS

CODE	14005
INPUT VOLTAGE	400V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	3
RATED INPUT POWER	7,8KW
RATED INPUT CURRENT (I1MAX)	18A
EFFECTIVE INPUT CURRENT (I1EFF)	18A
DUTY CYCLE 100% (10 MIN 40°C)	60A
NO LOAD VOLTAGE	450V
CUTTING CURRENT RANGE	20A-60A
NET WEIGHT	25KG
DIMENSIONS	710X280X460MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,7
RECOMENDED CUT CAPACITY	25MM
MAXIMUM CUT CAPACITY	30MM
SEVERANCE CUT CAPACITY	34MM



## CUTTING MACHINES

GRAND CUT 60 is a three phase inverter power source for cutting.

It mounts a LKM CUT 60 torch with pneumatic ignition and permits to have the higher cutting performance with elongated tip's life and with a reduced compressed air consumption.

The inverter power source with a very high duty cycle (60A 100%) allows heavy use at maximum cutting current.

Pilot arc controller increases cutting capabilities and speed and make the machine ideal for grid cutting.

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.

GRAND CUT 60 is the ideal three phase cutting machine for medium and heavy carpentry operations.

# GRAND CUT 60





# GRAND CUT 100 CNC



## SUGGESTED ACCESSORIES

1. **PLASMA TORCH LKM CUT 100 GMT CENTRAL ADAPTER (INCLUDED) 24002**
2. **3MT 12MM2 CABLE WITH ELECTRODE HOLDER PLUG 13MM (INCLUDED) 21011**
3. **HELMET LKM BASE H 31000**



**FOR TORCH SPARE PARTS SEE PAGE 80**

## PRODUCT PARAMETERS



CODE	14006
INPUT VOLTAGE	400V
INPUT FREQUENCY	50/60 HZ
INPUT PHASE	3
RATED INPUT POWER	14,5KW
RATED INPUT CURRENT (I1MAX)	29A
EFFECTIVE INPUT CURRENT (I1EFF)	29A
DUTY CYCLE 100% (10 MIN 40°C)	100A
NO LOAD VOLTAGE	420V
CUTTING CURRENT RANGE	20A - 100A
NET WEIGHT	33KG
DIMENSIONS	710X280X460MM
PROTECTION CLASS	IP23
INSULATION CLASS	H
POWER FACTOR	0,7
RECOMENDED CUT CAPACITY	40MM
MAXIMUM CUT CAPACITY	50MM
SEVERANCE CUT CAPACITY	55MM



GRAND CUT 100 CNC is a three phase inverter power source for cutting.

It mounts a LKM CUT 100 torch with pneumatic ignition and permit to have the higher cutting performance with elongated tip's life and with a reduced compressed air consumption.

With directed fitting to any external compressed air source, the pressure regulator is integrated in the machine with a digital pressure meter.

An external connector permits interfacing the machine with an automatic system. The 100% duty cycle makes this machine particularly robust.

Pilot arc controller increases cutting capabilities and speed and make the machine ideal for grid cutting.

GRAND CUT 100 is the ideal three phase cutting machine for heavy carpentry operations.

# GRAND CUT 100 CNC

