



Powerful and light SHARK 46 single phase plasma cutting equipment with PFC is the ideal choice for car body repairs, agriculture and maintenance.

PFC device ensures big cutting power coupled with a contained consumption.

- ✓ **SK75 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **PFC Power Factor Correction - 16 A fuse**
- ✓ **High power professional air flow circulation**
- ✓ **Electronic control for an excellent cutting quality**

### PFC: POWER FACTOR CORRECTION

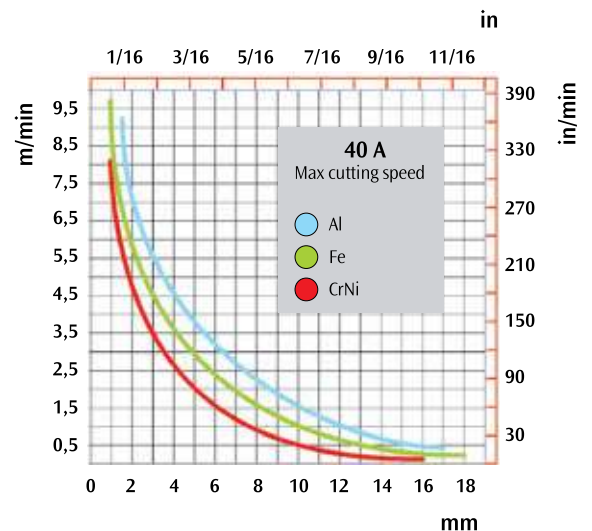
The wave shape of the current drawn from the mains is made sinusoidal by the PFC device with a consequent total lack of harmonic disturbances in the mains and consumption optimization, which enables to utilize the power source at full range on a 16 A fuse.



CEA GOES GREEN

- ▶ Long life of consumable parts
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Torch with pilot arc
- ▶ Central connector for the torch
- ▶ Cutting parameter stability within  $\pm 15\%$  mains voltage fluctuations
- ▶ Regulator group with built-in filter and air impurity automatic expulsion
- ▶ Metallic main structure with shockproof fibre compound front frame
- ▶ Sloping front control panel, easy to read and adjust and highly visible from any direction
- ▶ Electric protection on the torch for the maximum safety of the operator

### CUTTING SPEED CHART



### SK75



### SKM75



Possibility of CNC automated cutting for SHARK 75-M power source when fitted with SKM75 machine torch



418508



343956



410684



427529



427530



418487

## TECHNICAL DATA

			SHARK 46	SHARK 46 SV	
Input Voltage 50/60 Hz		V	230-1ph	115-1ph	230-1ph
Input Power @ I <sub>2</sub> Max		kVA	5	4,3	5
Delayed Fuse (I eff)		A	16	20	16
Power factor / cos φ			0,99 / 0,99	0,99 / 0,99	
Efficiency Degree		%	81	81	
Current range		A	20 ÷ 40	20 ÷ 30	20 ÷ 40
Duty Cycle at (40°C)	100%	A	20	-	20
	60%	A	30	20	30
	x%	A	40 (35%)	30 (25%)	40 (35%)
Motorgenerator requirement for full capacity		kVA	6	6	6
Cutting Capacity	Recommended	mm	12	10	12
	Maximum	mm	15	12	15
	Severance	mm	20	18	20
	Piercing	mm	10	-	10
Gas supply			Air / N <sub>2</sub>	Air / N <sub>2</sub>	
Gas Pressure		bar	5,0 - 5,5	5,0 - 5,5	
Gas Flow		l/min	160 ÷ 180	160 ÷ 180	
Protection Class		IP	23 S	23 S	
Dimensions		mm	390x185x595	390x185x595	
Weight		Kg	16	16	

## ORDER INFORMATION

CODE	MANUAL CUTTING
004417	<b>SHARK 46</b> 230V-1 Ph. with <b>SK75 - 6 m</b> torch, 6mm <sup>2</sup> / 4m ground cable & kit of spares (343954)
004419	<b>SHARK 46-SV</b> 115-230V-1 Ph. with <b>SK75 - 6 m</b> torch, 6mm <sup>2</sup> / 4m ground cable & kit of spares (343954)
<b>PLASMA TORCH</b>	
022029	Manual torch <b>SK75</b> 6 m 70 A
343956	Consumable <b>Basic Kit Box</b> for SK75 (Page 27)
343954	Consumable <b>Starting Kit</b> for SK75: 1 Electrode, 2 Nozzles 50 A, 1 Shield cap
<b>ACCESSORIES</b>	
418487	Compass for SK75 torch
410684	Wheeled torch holder
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting
234926	Transport Trolley CTP 10
427529	Compressed air filter
427530	Filter cartridge Package of 4 pcs
<b>CODE MECHANIZED CUTTING</b>	
004418	<b>SHARK 46-M</b> 230V-1 Ph. with <b>SKM75</b> torch 6 m - 6mm <sup>2</sup> / 4 m ground cable
<b>PLASMA TORCHES</b>	
022073	Machine Straight Torch <b>SKM75</b> 6 m - 70 A with gear rack