



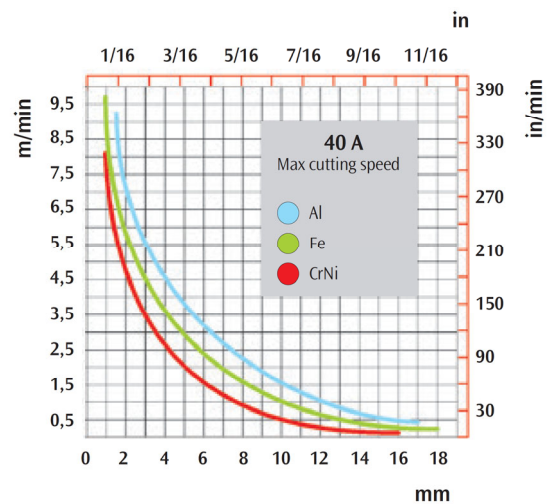
Powerful and light SHARK 45 single phase plasma cutting equipment with PFC is the ideal choice for car body repairs, agriculture and maintenance. PFC device ensures big cutting power coupled with a contained consumption.

- ✓ SK65 Back Striking technology torch with coaxial cable
- ✓ PFC Power Factor Correction - 16 A fuse
- ✓ High power professional air flow circulation
- ✓ Electronic control for an excellent cutting quality



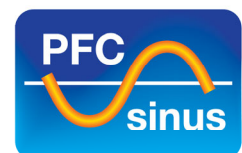
- ▶ Long life of consumable parts
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Torch with pilot arc
- ▶ Central connector for the torch
- ▶ Cutting parameter stability within  $\pm 15\%$  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**



## 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. The PFC circuit gives the machine a wider protection against mains voltage fluctuations, by also making it safer whenever being operated by power generator sets.





SK65



234926



418485



410681



427529



427530

**TECHNICAL DATA**

			SHARK 45	SHARK 45 SV	
Input Voltage 50/60 Hz	V		230-1ph	115-1ph	230-1ph
Input Power @ I <sub>2</sub> Max	kVA		5,5	4,8	5,5
Delayed Fuse ( I eff )	A		16	25	16
Power factor / cos φ			0,97 / 0,99	0,97 / 0,99	
Efficiency Degree	%		80	75	80
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	10	8	10
	Maximum	mm	15	12	15
	Severance	mm	18	15	18
	Piercing	mm	8	-	8
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		130 ÷ 150	130 ÷ 150	
Protection Class	IP		23 S	23 S	
Dimensions	mm		390x185x595	390x185x595	
Weight	Kg		16	16	

**ORDER INFORMATION**

CODE	MANUAL CUTTING
004420	<b>SHARK 45</b> 230V-1 Ph. with <b>SK65</b> torch, 6mm <sup>2</sup> / 4m ground cable & kit of spares (343960)
004421	<b>SHARK 45-SV</b> 115-230V-1 Ph. with <b>SK65</b> torch, 6mm <sup>2</sup> / 4m ground cable & kit of spares (343960)
<b>PLASMA TORCH</b>	
022067	Torch <b>SK65</b> 4 m 60 A
343960	Consumable <b>Starting Kit</b> for SK65: 2 Electrodes, 1 Nozzle contact cutting ø 0,90 (30-40 A), 2 Flat Nozzles ø 1,00 (40-50 A)
<b>ACCESSORIES</b>	
418485	Compass for SK65 torch
410681	Wheeled torch holder
234926	Transport Trolley CTP 10
427529	Compressed air filter
427530	Filter cartridge Package of 4 pcs

Other voltages available on request