



Powerful and compact, SHARK 75 is the most efficient solution to fully meet the cutting needs of medium and light fabrication work. Its always precise cutting performance enables the achievement of the highest standards in all circumstances. Top quality cutting is achieved at high speed thanks to SK75 HPC High-Performance-Cutting technology torch, which offers a powerful and concentrated cutting beam.

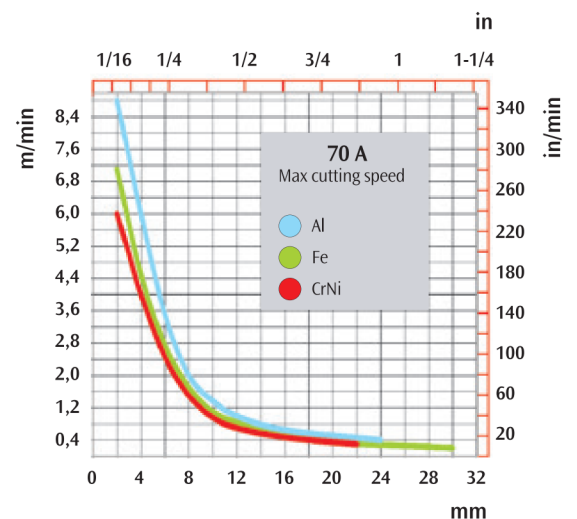
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in an optimal way.

- ✓ **SK75 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Powerful, compact and light, only 23 Kg**
- ✓ **More productivity thanks to high quality and cutting speed**
- ✓ **Reduced operating costs granted by longer life of the consumable parts**



- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ “Energy Saving” function to operate the power source cooling fan only when necessary
- ▶ Cutting parameter stability within  $\pm 20\%$  mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

**CUTTING SPEED CHART**



### SMART START TRANSFER

Innovative electronic circuit during arc striking gives an optimal and gradual pilot arc switching to the cutting arc, by ensuring an immediate stability of the plasma beam for a longer life of the torch consumables.

### SMART END CUTTING

At the end of the cutting process, the current gradually reduces to an optimal value, which favors part detachment in an efficient way. Besides minimizing noise at the end of cutting, this device also obviates the necessity of the operator having to manually separate the pieces, thereby avoiding any damage to cut surface ends.

### SK75



### SKM75



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



234926



418487



418508



410684



427529



427530

### TECHNICAL DATA

		SHARK 75	
Input Voltage 50/60 Hz	V	400-3ph	
Input Power @ I <sub>2</sub> Max	kVA	11	
Delayed Fuse ( I eff )	A	16	
Power factor / cos φ		0,87 / 0,99	
Efficiency Degree	%	85	
Current range	A	20 ÷ 70	
Duty Cycle at (40°C)	100%	A	55
	60%	A	65
	x%	A	70 (40%)
Cutting Capacity	Recommended	mm	20
	Maximum	mm	25
	Severance	mm	30
	Piercing	mm	15
Gas supply		Air / N <sub>2</sub>	
Gas Pressure	bar	5,0 - 5,5	
Gas Flow	l/min	180 ÷ 210	
Protection Class	IP	23 S	
Dimensions	mm	390x185x595	
Weight	Kg	23	

### ORDER INFORMATION

CODE	MANUAL CUTTING
004425	<b>SHARK 75</b> 400V-3 Ph with <b>SK75</b> , torch 10mm <sup>2</sup> / 4m ground cable & kit of spares with: 1 Electrode, 2 Nozzles 70 A, 1 Shield cap
PLASMA TORCH	
022029	Manual Torch <b>SK75</b> 6 m 70 A
343962	Consumable <b>Starting Kit</b> for SK75: 1 Electrode, 2 Nozzles 70 A, 1 Shield cap
ACCESSORIES	
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
CODE	MECHANIZED CUTTING
004426	<b>SHARK 75-M</b> 400V-3 Ph. with <b>SKM75</b> torch <b>6 m</b> - 10 mm <sup>2</sup> / 4 m ground cable
004427	<b>SHARK 75-M</b> 400V-3 Ph. with <b>SKM75</b> torch <b>12 m</b> - 10 mm <sup>2</sup> / 4 m ground cable
PLASMA TORCHES	
022073	Machine Straight Torch <b>SKM75</b> <b>6 m</b> - 70 A with gear rack
022080	Machine Straight Torch <b>SKM75</b> <b>12 m</b> - 70 A with gear rack

Other voltages available on request