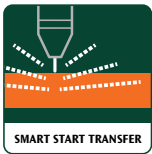




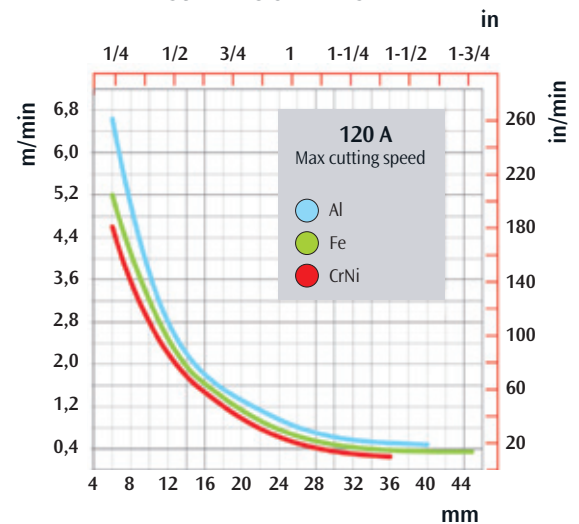
SHARK 125 is equipped with display for managing all the digital control. In combination with the technology HPC High-Performance-Cutting of the torch SK125, it grants to every user a cutting beam very concentrated and hot. This feature allows a very high precision and speed in cutting for a wide range of thickness. Shark 125 has also the special function Smart Start Transfer and Smart End Cutting for a better management of the cut during the start and end.

- ✓ **SK125 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Digital display for the digital control of all parameters**
- ✓ **High duty cycle: 120A @ 60%**
- ✓ **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
- ▶ Ability to gouging jobs
- ▶ 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**



**SK125**



**SKM125**



Possibility of CNC automated cutting for SHARK 105-M and SHARK 125-M power source when fitted with SKM125 machine torch.



### TECHNICAL DATA

		SHARK 125	
Input Voltage 50/60 Hz	V	400-3ph	
Input Power @ I <sub>2</sub> Max	kVA	21	
Delayed Fuse (I <sub>eff</sub> )	A	30	
Power factor / cos φ		0,89 / 0,99	
Efficiency Degree	%	86	
Current range	A	25 ÷ 120	
Duty Cycle at (40°C)	100%	A	100
	60%	A	120
	x%	A	-
Motorgenerator requirement for full capacity	kVA	40	
Cutting Capacity	Recommended	mm	40
	Maximum	mm	45
	Severance	mm	50
	Piercing	mm	25
Gas supply		Air / N <sub>2</sub>	
Gas Pressure	bar	5,0 - 6,0	
Gas Flow	l/min	280 ÷ 330	
Protection Class	IP	23 S	
Dimensions	mm	515x290x730	
Weight	Kg	48	

### ORDER INFORMATION

CODE	MANUAL CUTTING
004462	<b>SHARK 125</b> 400V-3 Ph. With <b>SK125 - 6 m</b> torch, 25 mm <sup>2</sup> / 4m ground cable & kit of spares (343955)
004467	<b>SHARK 125</b> 400V-3 Ph. With <b>SK125 - 12 m</b> torch, 25 mm <sup>2</sup> / 4m ground cable & kit of spares (343955)
<b>PLASMA TORCH</b>	
022028	Manual Torch <b>SK125</b> 6 m 125 A
022035	Manual Torch <b>SK125</b> 12m 125 A
022083	Manual Long torch <b>SK165XL</b> 1,30 m / 45° - 7,5 m cable 160 A
343957	Consumable <b>Basic Kit Box</b> for SK125 (Page 27)
343955	Consumable <b>Starting Kit</b> for SK125 -125 A: 1 Electrode, 2 Nozzles 125 A, 1 Shield cap 100-125 A
<b>ACCESSORIES</b>	
418487	Compass for SK125 torch
410684	Wheeled torch holder guide
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting
234927	Transport Trolley CTP 15
427529	Compressed air filter
427530	Filter cartridge. Package of 4 pcs
CODE	MECHANIZED CUTTING
004463	<b>SHARK 125-M</b> 400V-3 Ph. with <b>SKM125</b> torch <b>6 m</b> - 25 mm <sup>2</sup> / 4 m ground cable
004464	<b>SHARK 125-M</b> 400V-3 Ph. with <b>SKM125</b> torch <b>12 m</b> - 25 mm <sup>2</sup> / 4 m ground cable
<b>PLASMA TORCHES</b>	
022074	Machine Straight Torch <b>SKM125</b> <b>6 m</b> - 125 A
022081	Machine Straight Torch <b>SKM125</b> <b>12 m</b> - 125 A
CODE	MECHANIZED CUTTING BY ROBOT / PLC
004465	<b>SHARK 125-MR</b> 400V-3 Ph. -with torch <b>6 m</b> torch <b>SKM125</b> - 25 mm <sup>2</sup> / 4 m ground cable - complete with <b>ROBOMAT 1</b> interface and 5 m cable for connected with automated equipment
004466	<b>SHARK 125-MR</b> 400V-3 Ph. -with torch <b>12 m</b> torch <b>SKM125</b> - 25 mm <sup>2</sup> / 4 m ground cable - complete with <b>ROBOMAT 1</b> interface and 5 m cable for connected with automated equipment

Other voltages available on request