

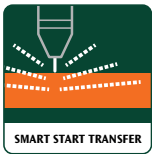


Powerful, robust and compact, SHARK 105 absolutely grants high productivity in the toughest cutting operations without any compromise: cuts are always precise and ensure the highest cutting results in all applications.

Top cutting quality at high speed by means of SK125 HPC High-Performance-Cutting technology torch, granting a powerful and concentrated cutting beam.

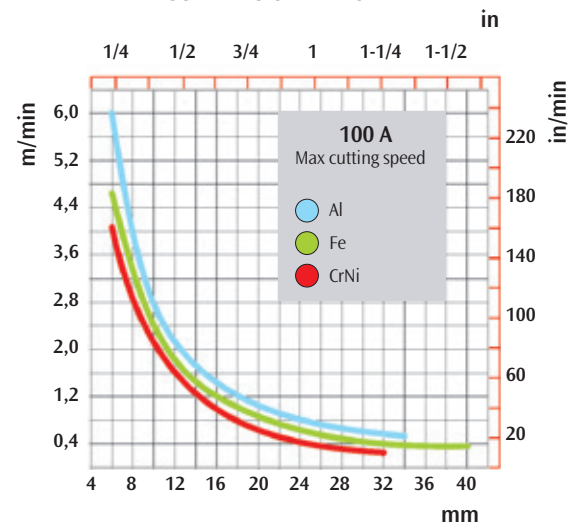
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in the best way.

- ✓ **SK125 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Powerful, compact and light, only 24 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
- ▶ Ability to gouging jobs
- ▶ “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**



**SK125**



**SKM125**



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



234926



418508



343957



410684



427529



427530



418487

## TECHNICAL DATA

			SHARK 105
Input Voltage 50/60 Hz		V	400-3ph
Input Power @ I <sub>2</sub> Max		kVA	15
Delayed Fuse ( I eff )		A	16
Power factor / cos φ			0,90 / 0,99
Efficiency Degree		%	85
Current range		A	20 ÷ 100
Duty Cycle at (40°C)	100%	A	70
	60%	A	90
	x%	A	100 (40%)
Motorgenerator requirement for full capacity		kVA	30
Cutting Capacity	Recommended	mm	30
	Maximum	mm	35
	Severance	mm	40
	Piercing	mm	20
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	390x185x595
Weight		Kg	24

Other voltages available on request

## ORDER INFORMATION

CODE	MANUAL CUTTING
004430	<b>SHARK 105</b> 400V-3 Ph. With <b>SK125 - 6 m</b> torch, 10mm <sup>2</sup> / 4m ground cable & kit of spares (343963)
004434	<b>SHARK 105</b> 400V-3 Ph. With <b>SK125 - 12 m</b> torch, 10mm <sup>2</sup> / 4m ground cable & kit of spares (343963)
<b>PLASMA TORCH</b>	
022028	Manual Torch <b>SK125</b> 6 m 125 A
022035	Manual Torch <b>SK125</b> 12m 125 A
343957	Consumable <b>Basic Kit Box</b> for SK125 (Page 25)
343963	Consumable <b>Starting Kit</b> for SK125: 1 Electrode, 2 Nozzles 105 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
234926	Transport Trolley CTP 10
427529	Compressed air filter
427530	Filter cartridge Package of 4 pcs
CODE	MECHANIZED CUTTING
004431	<b>SHARK 105-M</b> 400V-3 Ph. with <b>SKM125</b> torch <b>6 m</b> - 10 mm <sup>2</sup> / 4 m ground cable
004432	<b>SHARK 105-M</b> 400V-3 Ph. with <b>SKM125</b> torch <b>12 m</b> - 10 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 with gear rack
022081	Machine Straight Torch <b>SKM125</b> <b>12 m</b> - 125 A with gear rack