

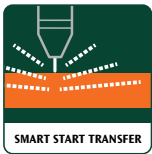


Powerful, robust and compact, SHARK 105 absolutely grants high productivity in the toughest cutting operations without any compromise: cuts are always precise and ensure the highest cutting results in all applications.

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

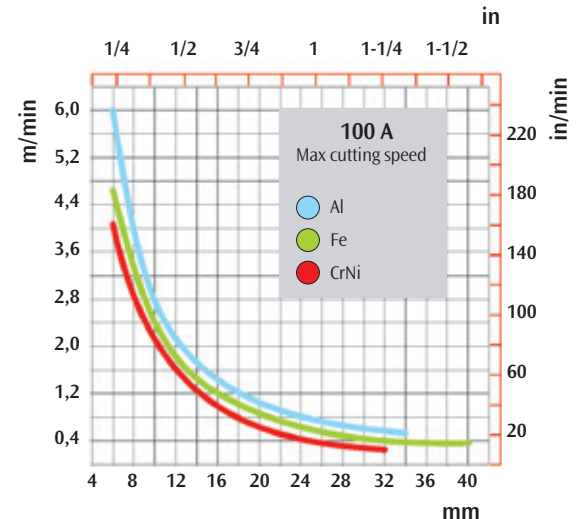
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in the best way.

- ✓ **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 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 ₂ 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 ₂
Gas Pressure	bar	5,0 - 6,0
Gas Flow	l/min	280 ÷ 330
Protection Class	IP	23 S
Dimensions	mm	390x185x595
Weight	Kg	24

ORDER INFORMATION

CODE	MANUAL CUTTING
004430	SHARK 105 400V-3 Ph. With SK125 - 6 m torch, 10mm ² / 4m ground cable & kit of spares (343963)
004434	SHARK 105 400V-3 Ph. With SK125 - 12 m torch, 10mm ² / 4m ground cable & kit of spares (343963)
PLASMA TORCH	
022028	Manual Torch SK125 6 m 120 A
022035	Manual Torch SK125 12m 120A
343957	Consumable Basic Kit Box for SK125 (Page 23)
343963	Consumable Starting Kit for SK125: 1 Electrode, 2 Nozzles 105 A, 1 Shield cap 100-125 A
ACCESSORIES	
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	SHARK 105-M 400V-3 Ph. with SKM125 torch 6 m - 10 mm ² / 4 m ground cable
004432	SHARK 105-M 400V-3 Ph. with SKM125 torch 12 m - 10 mm ² / 4 m ground cable
PLASMA TORCHES	
022074	Machine Straight Torch SKM125 6 m - 120 A with gear rack
022081	Machine Straight Torch SKM125 12 m - 120 A with gear rack

Other voltages available on request