SHARK 105

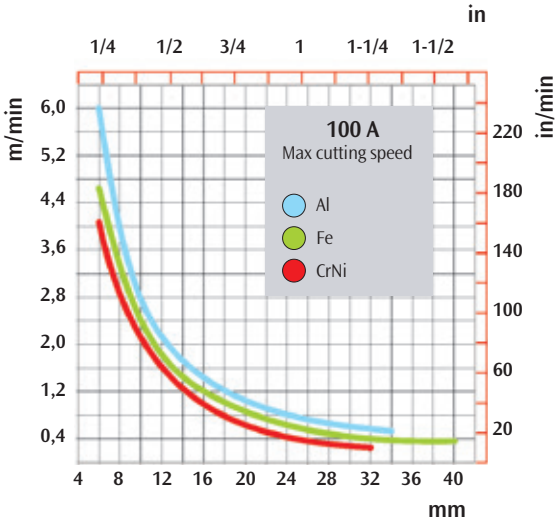
Powerful, robust and compact, SHARK 105 absolutely grants high productivity in the toughest cutting operations without any compromise: cuts are always precise and ensure the highest cutting results in all applications.
Top cutting quality at high speed by means of SK125 HPC High-Performance-Cutting technology 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**

3~ Inverter DC + -

- ▶ 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 ±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



PLASMA GOUGING

Plasma gouging represents a rapid, economic and easier method for removing metal as compared to traditional gouging by means of carbon electrodes. It reduces smoke emissions and noise; furthermore no specialized operators are required and gouging area can be clearly seen.

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.

SK125

SKM125

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


234926


418487


418508


410684


427529


427530

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%)
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** torch, 10mm² / 4m ground cable & kit of spares with: 1 Electrode, 2 Nozzles 105 A, 1 Shield cap 100-125 A
PLASMA TORCH	
022028	Manual Torch **SK125** 6 m 120 A
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 mm² / 4 m ground cable
004432	**SHARK 105-M** 400V-3 Ph. with **SKM125** torch **12 m** - 10 mm² / 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