



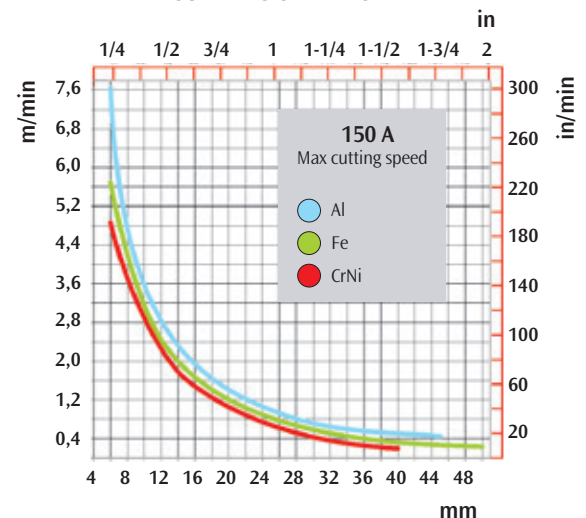
With its stunning cutting force, SHARK 155 is the most powerful machine in the range. Robust and precise, it ensures extremely high quality cutting results also on very large thickness. Equipped with a display for the digital control of all the parameters, it grants the highest cutting quality at high speed by means of SK165 HPC High-Performance-Cutting technology torch, which combines the concentrated cutting beam to high power. Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in the best way.

- ✓ **SK165 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Digital display for the digital control of all parameters**
- ✓ **Very high cutting power**
- ✓ **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**



## 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.

## SK165



## SKM165



Possibility of CNC automated cutting for SHARK 155-M power source when fitted with SKM165 machine torch



234927



418488



418507



410686



427529



427530

## TECHNICAL DATA

		SHARK 155	
Input Voltage 50/60 Hz	V		400-3ph
Input Power @ I <sub>2</sub> Max	kVA		27,5
Delayed Fuse ( I eff )	A		30
Power factor / cos φ			0,89 / 0,99
Efficiency Degree	%		86
Current range	A		25 ÷ 150
Duty Cycle at (40°C)	100%	A	100
	60%	A	120
	x%	A	150 (30%)
Cutting Capacity	Recommended	mm	45
	Maximum	mm	50
	Severance	mm	60
	Piercing	mm	25
Gas supply			Air / N <sub>2</sub>
Gas Pressure	bar		5,0 - 6,0
Gas Flow	l/min		360 ÷ 410
Protection Class	IP		23 S
Dimensions	mm		515x290x730
Weight	Kg		48

## ORDER INFORMATION

CODE	MANUAL CUTTING
004435	<b>SHARK 155</b> 400V-3 Ph with <b>SK165</b> , torch 35mm <sup>2</sup> / 4m ground cable & kit of spares with: 1 Electrode, 1 Nozzle 105 A, 1 Nozzle 125 A, 1 Nozzle 160 A, Shield cap 105-160 A
PLASMA TORCHES	
022032	Torch <b>SK165</b> 6 m 160 A
343059	Consumable <b>Starting Kit for SK165</b> : 1 Electrode, 1 Nozzle 105A, 1 Nozzle 125 A, 1 Nozzle 160 A, 1 Shield cap 105-160 A
ACCESSORIES	
418488	Compass for SK165 torch
410686	Wheeled torch holder guide
418507	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
004436	<b>SHARK 155-M</b> 400V-3 Ph. with <b>SKM165</b> torch <b>6 m</b> - 35 mm <sup>2</sup> / 4 m ground cable
004437	<b>SHARK 155-M</b> 400V-3 Ph. with <b>SKM165</b> torch <b>12 m</b> - 35 mm <sup>2</sup> / 4 m ground cable
PLASMA TORCHES	
022076	Machine Straight Torch <b>SKM165</b> <b>6 m</b> - 160 A
022082	Machine Straight Torch <b>SKM165</b> <b>12 m</b> - 160 A