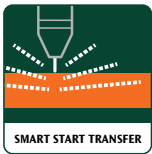




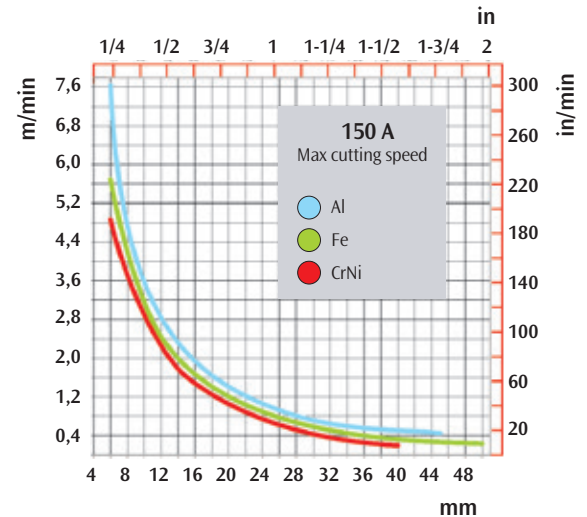
With its stunning cutting force, SHARK 155 is the most powerful machine in the range. Robust and precise, it ensures extremely high quality cutting results also on very large thickness. Equipped with a display for the digital control of all the parameters, it grants the highest cutting quality at high 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**



**SK165**



**SKM165**



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



234927



418507



343958



410686



427529



427530



418488

## 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%)
Motorgenerator requirement for full capacity		kVA	50
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 - <b>6 m</b> , 35 mm <sup>2</sup> / 4 m ground cable & kit of spares (343059)
004442	<b>SHARK 155</b> 400V-3 Ph. with <b>SK165</b> torch - <b>12 m</b> , 35 mm <sup>2</sup> / 4 m ground cable & kit of spares (343059)
<b>PLASMA TORCHES</b>	
022032	Manual torch <b>SK165</b> 6 m 160 A
022034	Manual torch <b>SK165</b> 12 m 160 A
022083	Manual torch <b>SK165xl</b> 130 cm, cable 7,5 m
343958	Consumable <b>Basic Kit Box</b> for SK165 (Page 25)
343059	Consumable <b>Starting Kit</b> for <b>SK165</b> : 1 Electrode, 1 Nozzle 105A, 1 Nozzle 125 A, 1 Nozzle 160 A, 1 Shield cap 105-160 A
<b>ACCESSORIES</b>	
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
<b>PLASMA TORCHES</b>	
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
CODE	MECHANIZED CUTTING BY ROBOT / PLC
004439	<b>SHARK 155-MR</b> 400V-3 Ph. -with torch <b>6 m</b> torch <b>SKM165</b> - 35 mm <sup>2</sup> / 4 m ground cable - complete with <b>ROBOMAT 1</b> interface and 5 m cable for connection with automated equipment
004440	<b>SHARK 155-MR</b> 400V-3 Ph. -with torch <b>12 m</b> torch <b>SKM165</b> - 35 mm <sup>2</sup> / 4 m ground cable - complete with <b>ROBOMAT 1</b> interface and 5 m cable for connection with automated equipment

Other voltages available on request