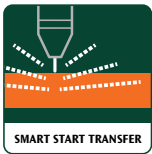




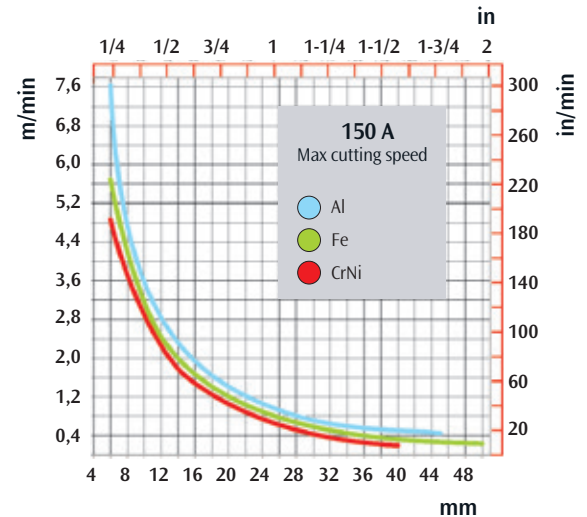
With its stunning cutting force, SHARK 155 is the most powerful machine in the range. Robust and precise, it ensures extremely high quality cutting results also on very large thickness. Equipped with a display for the digital control of all the parameters, it grants the highest cutting quality at high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



022083



410686



427529



427530



418488

TECHNICAL DATA

		SHARK 155
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ 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 ₂
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	SHARK 155 400V-3 Ph. with SK165 torch - 6 m , 35 mm ² / 4 m ground cable & kit of spares (343059)
004442	SHARK 155 400V-3 Ph. with SK165 torch - 12 m , 35 mm ² / 4 m ground cable & kit of spares (343059)
PLASMA TORCHES	
022032	Manual torch SK165 6 m 160 A
022034	Manual torch SK165 12 m 160 A
022083	Manual Long torch SK165XL 1,30 m / 45° - 7,5 m cable 160 A
343958	Consumable Basic Kit Box for SK165 (Page 27)
343059	Consumable Starting Kit for SK165 : 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	SHARK 155-M 400V-3 Ph. with SKM165 torch 6 m - 35 mm ² / 4 m ground cable
004437	SHARK 155-M 400V-3 Ph. with SKM165 torch 12 m - 35 mm ² / 4 m ground cable
PLASMA TORCHES	
022076	Machine Straight Torch SKM165 6 m - 160 A
022082	Machine Straight Torch SKM165 12 m - 160 A
CODE	MECHANIZED CUTTING BY ROBOT / PLC
004439	SHARK 155-MR 400V-3 Ph. -with torch 6 m torch SKM165 - 35 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connection with automated equipment
004440	SHARK 155-MR 400V-3 Ph. -with torch 12 m torch SKM165 - 35 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connection with automated equipment

Other voltages available on request