

NEW

BARRACUDA[®] 45i-125i PLASMA CUTTING SYSTEMS

COMPACT, EFFICIENT AND POWERFUL



The new BARRACUDA® goes efficiently and powerfully through „thick and thin“

Mobility, maximum efficiency and excellent cutting quality are particular features of the REHM plasma cutting machines.

The new compact BARRACUDA® is available in two sizes and four performance classes.

Large power components and 100% tested quality guarantee the reliability of the BARRACUDA® in the demanding conditions found in industry and craft.





Universally applicable

- For unalloyed and high-alloy steels, aluminium, copper, brass, bronze, nickel, non-ferrous metals and all other electrically conductive metals, also with painted surfaces

Optimum cutting quality

- Achieved by precisely controlled, infinitely adjustable cutting current
- Through optimized plasma cutting torches
- With high power reserves – even at the critical end of the cut

Economically

- Immediate start of cutting, the material can be cut without prior heating
- High cutting speed with the best cutting quality
- No technical gas required, only compressed air

Mobile

- Suitable for generator use
- Compact construction
- Optimally portable on a stable handle and a lightweight with only 8.1 kg (BARRACUDA® 45i)

■ CONTROL PANEL BARRACUDA® 45i-125i

- 1 Digital display of current
- 2 Function display 2 cycle, 4 cycle, perforated sheet metal, gouging (105i/125i)
- 3 Digital display of pressure



- 4 Signal current flows
- 5 Selection button functions
- 6 Controller current selection
- 7 Compressed air test

■ POWER FACTOR CONTROLLER (PFC)

THE BENCHMARK FOR EFFICIENT WELDING



- Compliance with the new regulation EU 2019/1784
- Highest energy efficiency
- Worldwide operation
- Clean consumption out of the supply network
- Useable anywhere

You can find everything you need to know about PFC here: →

PFC is only available in BARRACUDA® 45i



TECHNICAL DATA

		45i	65i	105i	125i
Setting range	[A]	20-40 (20-30*)	20-65	20-100	20-120
Duty cycle (ED) at I _{max} .	[%]	30 (35*)	90	60	
Fuse	[A]	16		32	
Protection type		IP 21S			
Tension at 100% ED	[V]	92 (88*)	104	106	118
Current at 100% ED	[A]	30 (20*)	61	65	95
Power factor	[cos phi]	0,99	0,65	0,78	0,7
Power consumption at I _{max} .	[kVA]	4,8	7,8	11	17,5
Mains connection	[V]	230 (110*)	400		
Mains frequency	[Hz]	50/60			
Required generator power	[kVA]	>4,8	>12,5	>18,9	>25
Welding cable socket	[mm]	13			
Weight	[kg]	8,1	26,5	32,1	32,4
Dimensions LxWxH	[mm]	490 x 150 x 290		740 x 260 x 484	
Item no.					
		1610045	1610065	1610105	1610125

Included	45i	65i	105i	125i
	Earth cable 4m, torch plasma ErgoCut S65, 6 m	Earth cable 4m, torch plasma PlusCut 85, 6 m	Earth cable 4m, torch plasma PlusCut 105, 6 m	

*Information applies to operation with 110V mains connection

CUTTING THICKNESSES BARRACUDA® 45i-125i

Machine/ Torch	Unalloyed Steel (Fe)		Aluminium (Al)		Stainless steel (CrNi)	
	parting cut	quality cut	parting cut	quality cut	parting cut	quality cut
BARRACUDA® 45i ErgoCut S65	20 mm	15 mm	18 mm	16 mm	20 mm	15 mm
BARRACUDA® 65i PlusCut 85	30 mm	25 mm	22 mm	20 mm	30 mm	25 mm
BARRACUDA® 105i PlusCut 105	45 mm	35 mm	36 mm	30 mm	45 mm	35 mm
BARRACUDA® 125i PlusCut 105	50 mm	40 mm	40 mm	35 mm	50 mm	40 mm

- From thin sheet to heavy plate
- Perforated sheet metal cutting: without interruption, thanks to material-oriented high-speed pilot and cutting current control.

■ CONNECTING THE PLASMA TORCHES

BARRACUDA® 45i



Euro central connection



BARRACUDA® 65i/105i/125i

With a projection of 140 mm, the TRAFIMECTOR® is one of the most compact connections on the market and enables the torch to be changed without tools.

- No tools required
- Can be operated with one hand
- The connection is designed for 160A
- The TRAFIMECTOR® is connected with maximum operator safety



Connection of the torch

Disconnect the torch

TORCHES AND ACCESSORIES FOR BARRACUDA® 45i



TORCHES	Item no.
Torch plasma ErgoCut S65 6 m	7660860
ACCESSORIES	Item no.
Wear part kit plasma ErgoCut S65	7766787
Set consists of	
1x plasma stand off guide EC S65 25,5 mm	
1x plasma nozzle EC S65 29,0 mm	
1x plasma tip EC S65 Ø1,00 60A	
1x plasma swirl ring EC S65 4,6 mm	
1x plasma electrode EC S65 24,8 mm	
Plasma circle cutting kit ErgoCut S65	7766790

TORCHES AND ACCESSORIES FOR BARRACUDA® 65i



TORCHES	Item no.
Torch plasma PlusCut 85 6 m	7660870
Torch plasma PlusCut 85 12 m	7660871
ACCESSORIES	Item no.
Wear part kit plasma PlusCut 85	7766754
Set consists of	
1x plasma shield PC85 24,4 mm	
1x plasma nozzle PC85 34,8 mm	
1x plasma tip PC85 Ø1,35 85A	
1x plasma swirl ring PC85 23 mm	
1x plasma electrode PC85/PC105 29,5 mm	
Plasma circle cutting kit PlusCut 85-105	7766780

TORCHES AND ACCESSORIES FOR BARRACUDA® 105i AND 125i



TORCHES	Item no.
Torch plasma PlusCut 105 6 m	7660880
Torch plasma PlusCut 105 12 m	7660881
ACCESSORIES	Item no.
Wear part kit plasma PlusCut 105	7766755
Set consists of	
1x plasma shield PC105 25,0 mm	
1x plasma nozzle PC105 34,8 mm	
1x plasma tip PC105 Ø1,50	
1x plasma swirl ring PC105 23 mm	
1x plasma electrode PC85/PC105 29,5 mm	
Plasma circle cutting kit PlusCut 85-105	7766780

THE REHM PERFORMANCE PROGRAM

- REHM MIG / MAG welding machines
- REHM TIG welding machines
- REHM MMA electrode inverter
- REHM PLASMA cutting systems
- Welding accessories and consumables
- Welding fume extraction
- Technical welding advice
- Torch repairs
- Service

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