REHM Welding Technology

NEW

BARRACUDA® 45i-125i
PLASMA CUTTING SYSTEMS

COMPACT, EFFICIENT AND POWERFUL

ENERGY EFFICIENCY by PFC

PFC is only available in BARRACUDA® 45i

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

ENERGY EFFICIENCY by PFC

- 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 Imax.	[%]	35 (30*)	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 Imax.	[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		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

Please note: BARRACUDA® 45i is initially supplied with a plasma ErgoCut S65 torch.

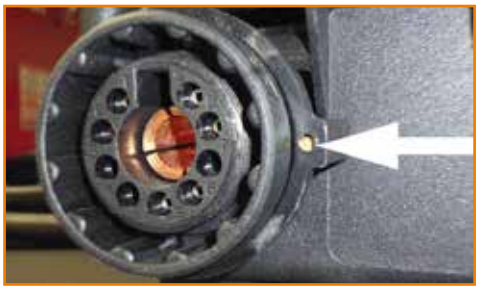
CUTTING THICKNESSES BARRACUDA® 45i-125i

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/ExpresCut S65	15 mm	10 mm	18 mm	16 mm	15 mm	10 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	40 mm	30 mm
BARRACUDA® 125i PlusCut 105	50 mm	40 mm	40 mm	35 mm	45 mm	35 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



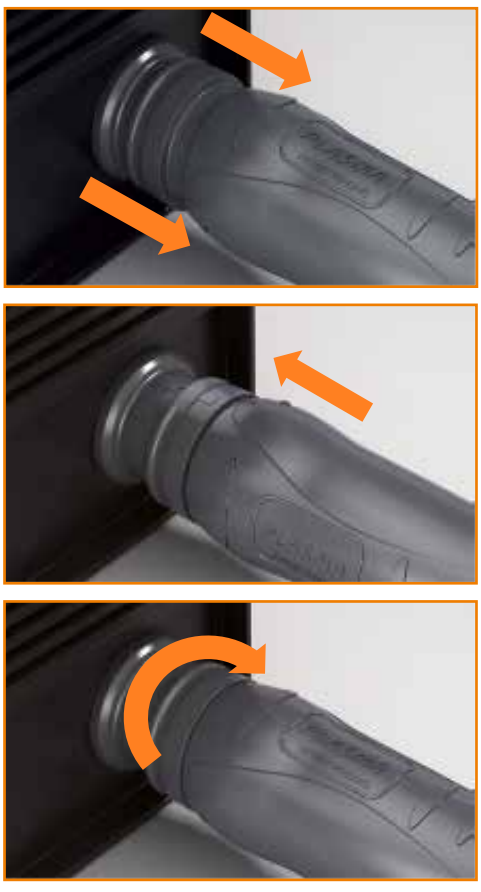
Plasma Central Adapter

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 ExpresCut S65 6 m	7660890

ACCESSORIES	Item no.
Wear parts set plasma EC S65 Set consists of 3x plasma electrode EC S65 24,8 mm 5x plasma tip EC S65 Ø 1,00 mm 60 A 1x plasma tip EC S65 Ø 0,80 mm 40 A 1x plasma stand off guide EC S65 25,5 mm 1x plasma nozzle EC S65 29,0 mm 1x plasma swirl ring EC S65 4,6 mm	7700476
Plasma circle cutting kit S65	7766790

Please note: BARRACUDA® 45i is initially supplied with a plasma ErgoCut S65 torch.

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 parts set plasma PC 65/85 Set consists of 3x plasma electrode PC65/85/105 29,5 mm 1x plasma tip PC65/85 Ø 0,95 mm 45 A 5x plasma tip PC65/85 Ø 1,20 mm 65 A 1x plasma tip PC65/85 Ø 1,35 mm 85 A 1x plasma shield PC65/85 24,4 mm 1x plasma nozzle PC65/85 34,8 mm 1x plasma swirl ring PC65/85 23 mm 1x cooling tube 45-105 A PlusCut	7700474
Plasma circle cutting kit PlusCut	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 parts set plasma PC 105 Set consists of 3x plasma electrode PC65/85/105 29,5 mm 5x plasma tip PC105 Ø 1,50 mm 105 A 1x plasma shield PC105 25,0 mm 1x plasma nozzle PC105 34,8 mm 1x plasma swirl ring PC105 23 mm 1x cooling tube 45-105 A PlusCut	7700475
Plasma circle cutting kit PlusCut	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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