

**Specifications**

Cutting current	30-125 A
Modes	cutting / grid cutting / gouging / marking
Duty cycle @ 40 °C	100 % @ 125 A
Rated output voltage	180 VDC
Severance cutting capacity	60 mm*
Piercing cutting capacity	25 mm*
Recommended cutting capacity	25 mm*
Gouging removal	12.5 kg/h +*
Plasma gas	compr. air / nitrogen / argon (marking)
Air flow [lpm/bar]	175/5.2
CAN, RS 485, RS 422	optional / optional / optional
Preadjusted voltage divider ratio	50:1
Input voltage	3×400 VAC ± 15 %
Frequency	50/60 Hz
Dimension (L×H×W)	610×310×535 mm
Weight	37.7 kg
Certification depending on region	CE / RCM / CSA
Maximum input pressure [bar/psi]	10/145
Protection level	IP23S
Insulation class	F
Type of hand torch	FHT-EX®125TTH
Type of machine torch	FHT-EX®125TTM

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Severance cutting capacity	60 mm*
Piercing cutting capacity	25 mm*
Recommended cutting capacity	25 mm*
Plasma cutting	-10 °C to +40 °C
Transport and storage	-25 °C to +55 °C
Relative humidity	up to 90 % @ 20 °C
Application process	cutting / grid cutting / gouging / marking
Type of use	manual and mechanized
Rated current and corresponding duty cycle	125 A / 100 %
Type of gas	compr. air / nitrogen / argon
Gas flow rate for cutting 85, 105, 125 A	175 l/min @ 5.2 bar
Gas flow rate for cutting 65 A	110 l/min @ 4.8 bar
Gas flow rate for cutting 45 A	100 l/min @ 4.8 bar
Gas flow rate for gouging 65-125 A	120 l/min @ 2.7 bar
Max. inlet pressure	10 bar
Operating (dynamic) pressure	5.2 bar
Type of voltage	DC direct voltage
Protection type of the power supply-side connections	IP3X (EN 60 529)
Type of connection	TCS - 13 pins

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Standard lenght

5 m / 8 m / 15 m / 23 m

Weight

FHT-EX®125TTH Hand Torch

5 m / 2.15 kg

8 m / 3.0 kg

15 m / 5 kg

23 m / 7.1 kg

Weight

FHT-EX®125TTM Standard Machine Torch

5 m / 2.35 kg

8 m / 3.2 kg

15 m / 5.2 kg

23 m / 7.3 kg

Weight

FHT-EX®125TTSM Short Machine Torch

5 m / 2 kg

8 m / 2.9 kg

15 m / 4.9 kg

23 m / 7 kg

Structure of cable

coaxial cable