

PLASMA CUTTING SYSTEM

EX-TRAFIRE® 105HD



CUTTING MAX.
50 mm
DUTY CYCLE
100% / 105 A
INCL.
MARKING



EX-TRAFIRE® 105HD

PLASMA CUTTING SYSTEM.

IMPRESSIVE PERFORMANCE



- + Extremely high cutting speed
- + Maximum cutting quality, even with long cuts
- + Also ideal for automated processes

HIGHEST FLEXIBILITY



- + Plate thicknesses up to 50 mm
- + For mechanized and manual applications
- + Gouging with high removal rate
- + Suitable for worldwide use

SIMPLE OPERATION



- + Large 4" LCD color display
- + Clear control panel
- + Self-explanatory icons
- + TCS for quick torch replacement

OPTIMAL COST-EFFECTIVENESS



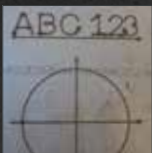
- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + 100% duty cycle for maximum productivity

NEW CUTTING TORCH FHT®EX105TT



- + Torch design award winner
- + Optimized ergonomics
- + Relaxed PE and PA cutting
- + 100% duty cycle

MARKING



- + Automatic gas identification (air, nitrogen, argon)
- + Integrated gas-saving function
- + Fine, deep or wide markings
- + Optional Smooth-Marking for applications below 20 A marking current

READY FOR INDUSTRY 4.0



- + Industry leading connectivity
- + CAN, tRS 485 and RS 422 interfaces (optional)
- + Easy monitoring
- + Expandable and updatable

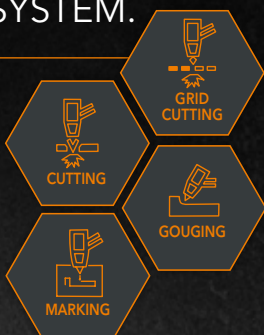
AUTOMATIC SETTINGS



- + Cutting gas media, electricity and pilot current
- + Compensation for pressure drops
- + Fewer operating errors, better cutting quality

EX-TRAFIRE® 105HD

PLASMA CUTTING SYSTEM.



SPECIFICATION

Severance [mm]	50 ⁽¹⁾
Recommended [mm]	20 ⁽¹⁾
Piercing [mm]	20 ⁽¹⁾
Gouging removal [kg/h]	9

DUTY CYCLE (40 °C / 145 V)

100 %	@ 105 A
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OUTPUT (VDC)

Nominal [V]	180
Extra Boost [V]	235

INPUT

Voltage (VAC) [V/Hz]	3×400±15 % ⁽²⁾ 50/60
Compressed air flow [lpm@bar]	156/4.8
Compressed air flow [lpm@psi]	156/101
Pressure (max.) [bar/psi]	10/145

MACHINE DATA

Dimensions L×H×W [mm]	613×515×302
Weight [kg]	35.4

TORCH (HAND/MACHINE)

FHT EX105TT

Designed to interface with a variety of CNC machines

(1) related to low-alloy steel (mild steel)

(2) suitable for generator use

INDUSTRIAL CUTTING. HEAVY-DUTY PERFORMANCE.

The plasma cutting systems in the **EX-TRAFIRE® HD** range are the absolute specialists in meeting tough demands in continuous operation. The mobile **EX-TRAFIRE® 105HD** plasma cutting system with 100% duty cycle is the perfect solution for demanding heavy duty applications in industry.



Heavy
Fabrication



Structural



Shipyards
and Offshore



Automotive and
Transportation



Steel Mills and Steel
Service Center



THINK FRESH. CUT ORANGE.

THERMACUT® comes up with fresh ideas for cutting technology. Benefit from innovative, reliable, powerful and highly efficient cutting solutions.



Discover the other plasma cutting systems within the **EX-TRAFIRE® HD** family and our wide range of cutting solutions at www.ex-trafire.com

WWW.THERMACUT.COM
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follow
#EXTRAFIRE



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