

THERMACUT®
THE CUTTING COMPANY™

PLASMA CUTTING SYSTEM

EX-TRAFIRE® 105HD



CUTTING MAX.

55 mm +

DUTY CYCLE

100% / 105 A

INCL.

MARKING

WWW.EX-TRAFIRE.COM

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





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 55 mm and more
- + 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



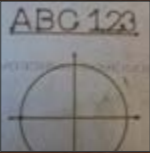
- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + 100% duty cycle for maximum productivity

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, RS 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]	55+ ⁽¹⁾
Recommended [mm]	38 ⁽¹⁾
Piercing [mm]	25 ⁽¹⁾
Gouging removal [kg/h]	9+

DUTY CYCLE (40 °C / 145 V)

100%	@ 105 A
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OUTPUT (VDC)

Nominal [V]	200
Extra Boost [V]	235

INPUT

Voltage (VAC) [V/Hz]	3x400±15% ⁽²⁾ 50/60
Compressed air flow [lpm@bar]	170/7
Compressed air flow [lpm@psi]	170/101
Pressure (max.) [bar/psi]	10/145

MACHINE DATA

Dimensions W×L×H [mm]	613x302x515
Weight [kg]	35

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

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

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