

# 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 extremely powerful **EX-TRAFIRE® 65HD** plasma cutting system with 100% duty cycle is the perfect solution for demanding heavy duty applications in industry and other sectors.



Energy



Craft, hobby and non industrial users



Automotive and Transportation



Structural



Education and Training



## 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](http://www.ex-trafire.com)

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HD65\_10-2022\_EN | Note: Specifications are subject to change without notice. Products may vary from those pictured. Copyright by Thermacut

**THERMACUT®**  
THE CUTTING COMPANY®

PLASMA CUTTING SYSTEM

## EX-TRAFIRE® 65HD

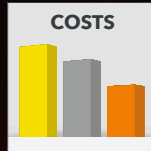


CUTTING MAX.  
**38 mm +**  
DUTY CYCLE  
**100% / 65 A**  
INCL.  
**MARKING**

[WWW.EX-TRAFIRE.COM](http://WWW.EX-TRAFIRE.COM)



## OPTIMAL COST-EFFECTIVENESS



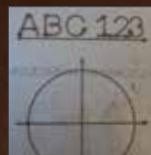
- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + 100% duty cycle for maximum productivity

## NEW CUTTING TORCH FHT-EX®105TT



- + 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 Fine-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®65HD

## PLASMA CUTTING SYSTEM.



SPECIFICATION	
Severance [mm]	38 <sup>+(1)</sup>
Recommended [mm]	25 <sup>(1)</sup>
Piercing [mm]	25 <sup>(1)</sup>
Gouging removal [kg/h]	2.6+

DUTY CYCLE (40 °C / 145 V)	
100 %	65 A

OUTPUT (VDC)	
Nominal [V]	170
Extra Boost [V]	200

INPUT	
Voltage (VAC) [V/Hz]	3x400±15% <sup>(2)</sup> 50/60
Compressed air flow [lpm@bar]	82@5.2
Compressed air flow [lpm@psi]	82@75
Pressure (max.) [bar/psi]	10/145

MACHINE DATA	
Dimensions W×L×H [mm]	560x260x400
Weight [kg]	20.3

TORCH (HAND/MACHINE)	
FHT-EX®105TT	

Designed to interface with a variety of CNC machines  
 (1) related to low-alloy steel (mild steel)  
 (2) suitable for generator use

# EX-TRAFIRE®65HD

## PLASMA CUTTING SYSTEM.

## IMPRESSIV PERFORMANCE



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

## HIGHEST FLEXIBILITY



- + Blade thicknesses up to 38 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