

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® SD** family and our wide range of cutting solutions at www.ex-trafire.com.



SD45_ 04-2020_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® 45SD

PROFESSIONAL AND VERSATILE



CUTTING
CURRENT
45 A

CUTTING MAX.
25 mm +

CUTTING OUTPUT
6.5 kW

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follow
#EXTRAFIRE



WWW.EX-TRAFIRE.COM

CUTS METAL. AND COSTS.

The particularly powerful EX-TRAFIRE® 45SD plasma cutting system offers businesses and operators a number of many advantages!

EXTRA PERFORMANCE



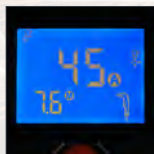
- + Cutting, gouging, grid mode
- + Exact cuts
- + Industry leading blue LCD display

HIGHEST APPLICATION FLEXIBILITY



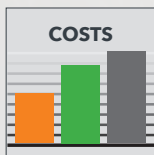
- + Plate thicknesses up to 25 mm +
- + Lightweight, exceptionally portable
- + TCS quick change flexible torch packages
- + Suitable for generator use

SIMPLE OPERATION



- + Bright LCD system information and control panel
- + Easily accessible, protected filter regulator
- + Engineered for professionals and demanding beginners

BEST COST-EFFECTIVENESS



- + Significantly lower investment
- + High consumable lifetime
- + Lower running costs

EX-TRAFIRE® 45SD PLASMA CUTTING SYSTEM.



SPECIFICATION

Severance [mm]	25+ ⁽¹⁾
Recommended [mm]	12 ⁽¹⁾
Piercing [mm]	10 ⁽¹⁾
Cutting current [A]	10-45

DUTY CYCLE (40 °C / 145 V)

100 %	@ 40 A
80 %	@ 45 A
100 %	@ 32 A ⁽²⁾
50 %	@ 45 A ⁽²⁾

OUTPUT (VDC)

Nominal voltage [V]	145
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INPUT

Voltage (VAC) [V/Hz]	3x400±15 % ⁽³⁾ 50/60
Voltage (VAC) [V/Hz]	230±15 % ⁽³⁾ 50/60
Voltage (VAC) [V/Hz]	120±15 % ⁽³⁾ 50/60 ⁽⁴⁾
Compressed air flow [lpm/bar]	90/4.5
Pressure (max.) [bar/psi]	10/145

MACHINE DATA

Dimensions WxLxH [mm]	177x469x228
Weight [kg]	12.7

TORCH (HAND/MACHINE)

FHT-EX® 45TT

Designed to interface with a variety of CNC machines

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

(2) @ U1 230 VAC

(3) suitable for generator use

(4) reduced output current 25 A @ 40 % duty cycle