

# EX-TRAFIRE<sup>®</sup> 45SD

## PROFESSIONAL AND VERSATILE PLASMA CUTTING SYSTEM.

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# EX-TRAFIRE® 45SD



## SIMPLE OPERATION



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

## HIGHEST APPLICATION FLEXIBILITY



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

## EX-TRA PERFORMANCE



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

## BEST COST-EFFECTIVENESS



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

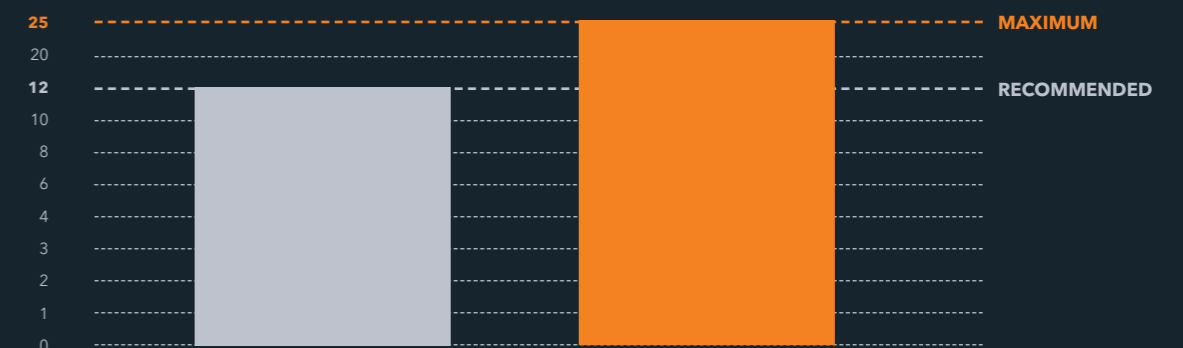
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## SPECIFICATIONS

	SINGLE PHASE		THREE PHASE
Input voltage (VAC)	1x120 V +-15 %	1x230 V +-15 %	3x400 V +-15 %
Output current (A)	20-25	20-45	20-45
Plasma gas	Compressed air		
Certification CE, C-TICK, CCC	CE	CE/C-TICK	CE/C-TICK
Modes	CUTTING / GOUGING / GRID CUTTING		
Frequency (Hz)	50/60		
Maximum input power (kVA)	4,4	7,59	6,48
Output voltage (VDC)	145		
Duty cycle @ 40 °C	40 % @ 25 A / 100 % @ 16 A	50 % @ 45 A / 10 0% @ 32 A	80 % @ 45 A / 100 % 40 A
Dimension (l x h x w) mm	469 x 228 x 177		
Weight (KG)	12,7		
Recommended cutting capacity (mm)	8	12	
Severance cutting capacity (mm)	12	25	
Piercing cutting capacity (mm)	10	10	
Air flow @ (lpm/bar)	90 @ 4.8		
Maximum input pressure (bar/psi)	10/145		
Protection level	IP23S		
Insulation class	F		
CNC interface	YES		
Industry 4.0	NO		
Type of hand torch	FHT-EX®45TTH		
Type of machine torch	FHT-EX®45TTM		

## MILD STEEL CUTTING CAPACITY IN MILLIMETRES



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## ORDERING INFORMATION

Description	Length	Part No.
<b>MANUAL PLASMA CUTTING SYSTEMS</b>		
EX-TRAFIRE®45SD/CE/3x400 V Hand System/FHT-EX®45TTH 5m/H Starter Kit	5 m	EX-2-010-011
EX-TRAFIRE®45SD/CE/3x400 V Hand System/FHT-EX®45TTH 8m/H Starter Kit	8 m	EX-2-010-012
EX-TRAFIRE®45SD/CE/3x400 V Hand System/FHT-EX45®TTH 15m/H Starter Kit	15 m	EX-2-010-013
EX-TRAFIRE®45SD/CE/1x110/230 V Hand System/FHT-EX45®TTH 5m/H Starter Kit	5 m	EX-2-010-020
EX-TRAFIRE®45SD/CE/1x110/230 V Hand System/FHT-EX45®TTH 8m/H Starter Kit	8 m	EX-2-010-021
EX-TRAFIRE®45SD/CE/1x110/230 V Hand System/FHT-EX45®TTH 15m/H Starter Kit	15 m	EX-2-010-022
<b>MECHANIZED PLASMA CUTTING SYSTEMS</b>		
EX-TRAFIRE®45SD/CE/3x400 V Machine System/FHT-EX45®TTM 5m/M Starter Kit	5 m	EX-2-011-008
EX-TRAFIRE®45SD/CE/3x400 V Machine System/FHT-EX45®TTM 8m/M Starter Kit	8 m	EX-2-011-009
EX-TRAFIRE®45SD/CE/3x400 V Machine System/FHT-EX45®TTM 15m/M Starter Kit	15 m	EX-2-011-010
EX-TRAFIRE®45SD/CE/1x110/230 V Machine System/FHT-EX45®TTM 5m/M Starter Kit	5 m	EX-2-011-014
EX-TRAFIRE®45SD/CE/1x110/230 V Machine System/FHT-EX45®TTM 8m/M Starter Kit	8 m	EX-2-011-015
EX-TRAFIRE®45SD/CE/1x110/230 V Machine System/FHT-EX45®TTM 15m/M Starter Kit	15 m	EX-2-011-016
<b>PLASMA POWER SUPPLY UNITS</b>		
EX-TRAFIRE®45SD/CE/3x400 V power supply unit (fully-equipped*)		EX-2-001-030
EX-TRAFIRE®45SD/CE/1x110/230 V power supply unit (fully-equipped*)		EX-2-001-024

\* Fully-equipped=CNC interface & Serial interfaceport (CAN bus)

## AVAILABLE BULK PACKS

Description	Pcs	Part No.
Bulk Pack-Electrode - 25 pcs	1	EX-2-434-201
Bulk Pack-Nozzle - 25 pcs	1	EX-2-435-201
Bulk Pack - Hand (Contact) Shield - 18 pcs	1	EX-2-436-201
Bulk Pack - Machine Shield - 18 pcs	1	EX-2-437-201

## ACCESSORIES

Description	Pcs	Part No.
DN 7.2 ES Quick Connect Plug with female thread G 1/4"	1	EX-0-802-000
DN 7.2 ES Quick Connect Plug with male thread G 1/4"	1	EX-0-802-001
DN 7.2 ES Quick Connect Coupling with male thread G 1/4"	1	EX-0-802-002
Grease 25 ml	1	EX-0-805-001
Filter-EX Compressed Air Filter	1	EX-0-804-001
Filter-EX Air Filter Cartridge	8	EX-0-804-002

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FRONT VIEW



BACK VIEW



SIDE VIEW

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