

EX-TRAFIRE[®]100SD

**BUILT FOR POWER
PLASMA CUTTING SYSTEM.**

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EX-TRAFIRE® 100SD



SIMPLE OPERATION



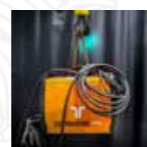
- + Intuitive control
- + Exceptionally robust
- + Engineered for demanding professionals

EX-TRA PERFORMANCE



- + High cutting speed
- + Precise cuts
- + Industry leading duty cycle

HIGHEST APPLICATION FLEXIBILITY



- + Plate thicknesses up to 50 mm +
- + Powerful and lightweight
- + TCS quick change flexible torch packages
- + Suitable for generator use

BEST COST-EFFECTIVENESS



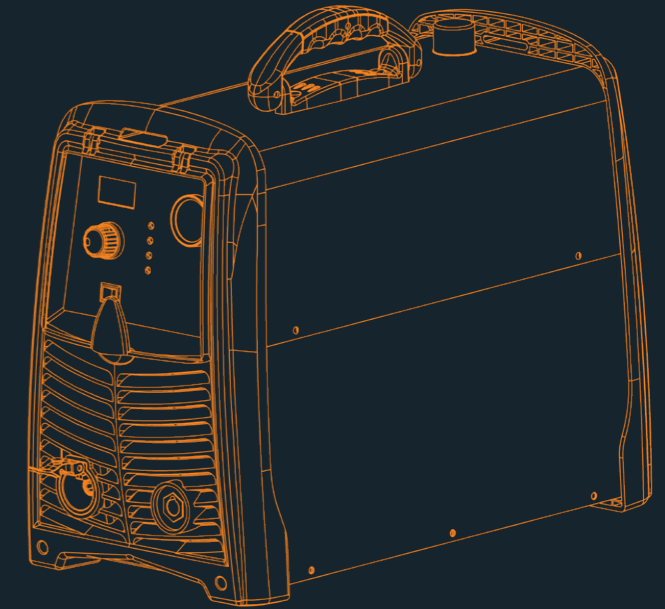
- + Reduced capital outlay
- + Longer consumable lifetime
- + Considerably reduced costs of ownership

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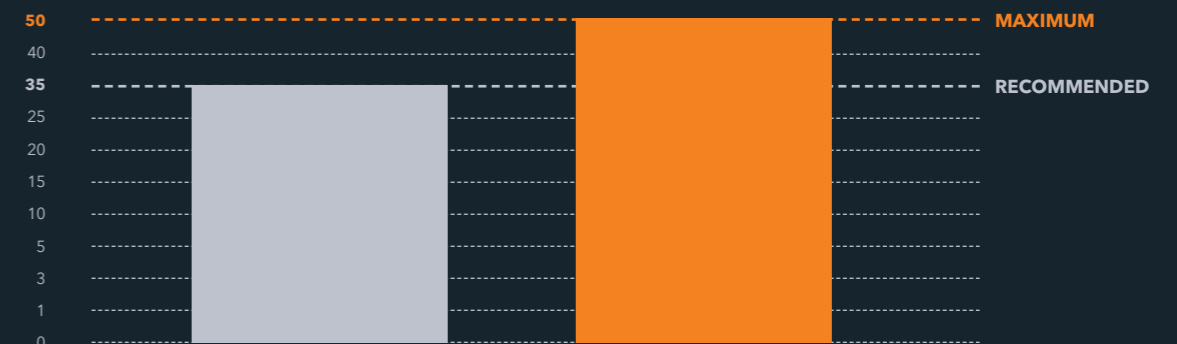
EX-TRAFIRE® 100SD

SPECIFICATIONS

- OUTPUT CURRENT (A)** 30-100
- INPUT VOLTAGE (VAC)** 3x400 VAC ± 15 %
- PLASMA GAS** COMPRESSED AIR
- CERTIFICATION** CE, C-TICK, CCC
- MODES** CUTTING / GOUGING / GRID CUTTING
- FREQUENCY (Hz)** 50/60
- MAXIMUM INPUT POWER (kVA)** 24.6
- OUTPUT VOLTAGE (VDC)** 170 (EXTRA-BOOST 220 V)
- DUTY CYCLE @ 40 °C** 50 % @ 100 A, 100 % @ 80 A
- DIMENSION (L x H x W) mm** 560x400x265
- WEIGHT (KG)** 24
- RECOMMENDED CUTTING CAPACITY (mm)** 35
- SEVERANCE CUTTING CAPACITY (mm)** 50
- PIERCING CUTTING CAPACITY (mm)** 20
- AIR FLOW @ (lpm/bar)** 135 @ 5.2
- MAXIMUM INPUT PRESSURE (bar/psi)** 10/145
- PROTECTION LEVEL** IP23S
- INSULATION CLASS** H/F
- CNC INTERFACE** OPTIONAL
- INDUSTRY 4.0** NO
- TYPE OF TORCH** FHT-EX® 105RTX H/M



MILD STEEL CUTTING CAPACITY IN MILLIMETRES



COMPARISON WITH COMPETITIVE PLASMA CUTTING MACHINES

EX-TRAFIRE® 100SD IS THE MOST POWERFUL SYSTEM IN IT'S CLASS.



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EX-TRAFIRE® 100SD

ORDERING INFORMATION

Description	Length	Part No.
MANUAL PLASMA CUTTING SYSTEMS		
EX-TRAFIRE®100SD/CE/3x400 V Hand System/FHT-EX®105RTXH Torch 8m/H Starter Kit	8 m	EX-5-010-033
EX-TRAFIRE®100SD/CE/3x400 V Hand System/FHT-EX®105RTXH Torch 15m/H Starter Kit	15 m	EX-5-010-034
MECHANIZED PLASMA CUTTING SYSTEMS		
EX-TRAFIRE®100SD/CE/3x400 V M System/FHT-EX®105RTXM-NR Torch 8m/M Starter Kit	8 m	EX-5-011-030
EX-TRAFIRE®100SD/CE/3x400 V M System/FHT-EX®105RTXM-NR Torch 15m/M Starter Kit	15 m	EX-5-011-031
PLASMA POWER SUPPLY UNITS		
EX-TRAFIRE®100SD/CE/3x400 V power supply unit (fully-equipped*)		EX-5-001-003

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

AVAILABLE BULK PACKS

Description	Pcs	Part No.
Bulk Pack BP25 - Electrode 45-105 A (including 5pcs of the swirl ring holder)	1	EX-5-434-001
Bulk Pack BP25 - Nozzle 55/65 A	1	EX-5-435-001
Bulk Pack BP25 - Nozzle 75/85 A	1	EX-5-435-001
Bulk Pack BP25 - Nozzle 100/105 A	1	EX-5-435-003
Bulk Pack BP18 - Shield 45-85A, Machine	1	EX-5-437-001
Bulk Pack BP18 - Shield 100/105 A, Machine	1	EX-5-437-002

AVAILABLE CONSUMABLE KITS

Description	Pcs	Part No.
Hand Torch Consumable Kit 55/65 A	1	EX-3-443-001
Hand Torch Consumable Kit 75/85 A	1	EX-4-443-001
Hand Torch Consumable Kit 100/105 A	1	EX-5-443-001
Machine Torch Consumable Kit 55/65 A	1	EX-3-444-001
Machine Torch Consumable Kit 75/85 A	1	EX-4-444-001
Machine Torch Consumable Kit 100/105 A	1	EX-5-444-001

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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EX-TRAFIRE® 100SD



FRONT VIEW



BACK VIEW



SIDE VIEW

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