

EX-TRAFIRE® SD LINE OVERVIEW

	EX-TRAFIRE® 30H	EX-TRAFIRE® 40SD		EX-TRAFIRE® 45SD		EX-TRAFIRE® 55SD	EX-TRAFIRE® 75SD	EX-TRAFIRE® 100SD
Cutting current [I2]	10 - 30 A	10 - 40 A	10 - 30 A	20-45 A (20-25 A)	20-45 A	30 - 55 A	30 - 75 A	30 - 100 A
Input voltage [I2]	CE 220-240 VAC ± 15 %	CE 1x 230 VAC ± 15 %	1x120 VAC ± 15 %	1x230 VAC ± 15 % (1x120 VAC)	3x400 VAC ± 15 %	CE 3x400 VAC ± 15 %	CE 3x400 VAC ± 15 %	3x400 VAC ± 15 %
Duty cycle	35 % @ 30 A-92 V 60 % @ 25 A-90 V 100 % @ 21 A-88,4 V	40 % @ 40 A-120 V 60 % @ 30 A-140 V 100 % @ 25 A-140 V	35 % @ 30 A-92 V 60 % @ 26 A-90,4 V 100 % @ 21 A-88,4 V	50 % @ 45 A, 100 % @ 32 A (230 VAC) 40 % @ 25 A, 100 % @ 16 A (120 VAC)	80 % @ 45 A, 100 % @ 40 A	50 % @ 55 A-170 V 100 % @ 41 A-170 V	100 % @ 75 A-170 V	50 % @ 100 A-170 V 60 % @ 91 A-170 V 100 % @ 80 A-170 V
I1 max	22 A	26 A	28,8 A	36,7 A	16,2 A	14,9 A	21,6 A	29,6 A
I1 eff	13 A	16,4 A	17 A	23,2 A	14,4 A	10,5 A	17,8	20,7 A
Weight [kg]	10,5	11,8		12,7		11,8	24	24
Width [mm]	165	177		177		177	265	265
Depth [mm]	480	467		467		467	560	560
Height [mm]	290	228		228		229	400	400
Industry (IOT) 4.0	Not applicable							
Handheld Application	Yes	Yes		Yes		Yes	Yes	Yes
Mechanised Application	Not applicable	Optional, Yes		Optional, Yes		Optional, Yes	Optional, Yes	Optional, Yes
Gouging	Not recommended	No		Possible		No	Yes	Yes
Grid Cutting	Yes	Yes		Yes		Yes	Yes	Yes
Torch	FHT-EX®30H	FHT-EX®40		FHT-EX®45TT		FHT-EX®105RTX		
Information's	48 l/min @ 4,5 bar dynamic	120 l/min @ 4,5 bar dynamic		90 l/min @ 4,5 bar dynamic		105 A / 100 A approx. 135 l/min, 85 A / 75 A approx. 110 l/min, 65 A / 55 A approx. 98 l/min, 45 A approx. 87 l/min		
Recommended Cut	(*) 8 mm	(*) 12 mm	(*) 8 mm	(*) 12 mm	(*) 12 mm	(*) 20 mm	(*) 25 mm	(*) 35 mm
Maximum	(*) 10 mm	(*) 20 mm	(*) 10 mm	(*) 25 mm	(*) 25 mm	(*) 30 mm	(*) 35 mm	(*) 50 mm
Piercing	(*) 8 mm	(*) 8 mm	(*) 8 mm	(*) 10 mm	(*) 10 mm	(*) 20 mm	(*) 20 mm	(*) 20 mm
Recommended Cut	(**) 4 mm	(**) 4 mm	(**) 4 mm	(**) 12 mm	(**) 12 mm	(**) 15 mm	(**) 18 mm	(**) 20 mm
Maximum	(**) 8 mm	(**) 8 mm	(**) 8 mm	(**) 20 mm	(**) 20 mm	(**) 25 mm	(**) 25 mm	(**) 38 mm
Piercing	(**) 4 mm	(**) 4 mm	(**) 4 mm	(**) 10 mm	(**) 10 mm	(**) 16 mm	(**) 20 mm	(**) 20 mm
Recommended Cut	(***) 6 mm	(***) 6 mm	(***) 6 mm	(***) 12 mm	(***) 12 mm	(***) 15 mm	(***) 18 mm	(***) 20 mm
Maximum	(***) 10 mm	(***) 10 mm	(***) 10 mm	(***) 20 mm	(***) 20 mm	(***) 25 mm	(***) 25 mm	(***) 35 mm
Piercing	(***) 6 mm	(***) 6 mm	(***) 6 mm	(***) 10 mm	(***) 10 mm	(***) 16 mm	(***) 20 mm	(***) 20 mm
Gas type	Compressed Air							
Gas quality	Recommended Air quality: ISO 8573-1 Class 1.2.2.							
Air specification	Air max. particle size: 0.1 microns, class 1 ref. to ISO 8573,							
	Air max. oil: 0.1 mg/m³, class 2 ref.: ISO 8573,							
	Air max. dew point: +3° C, class 4 ref. to ISO 8573							
Nitrogen	Purity ≥ 99,99%							
Gas quality	Clean, moisture-free, without oil							
	(*) Recommendation up to based on low alloyed steel handheld cutting starting from the edge (up to)							
	(**) Recommendation up to based SST handheld cutting starting from the edge (up to)							
	(***) Recommendation up to based on Aluminium handheld cutting starting from the edge (up to)							

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