

EX-TRAFIRE® SD LINE OVERVIEW

Features / System	EX-TRAFIRE® 30H	EX-TRAFIRE® 40SD		EX-TRAFIRE® 45SD		EX-TRAFIRE® 55SD		EX-TRAFIRE® 75SD		EX-TRAFIRE® 100SD		
Cutting current [I2]	10 - 30A	10 - 40A	10 - 30A	20-45A (20-25A)		20-45A		30 - 55A		30 - 100A		
Input voltage [I2]	CE 220-240 VAC ± 15 %	CE 1 x 230VAC ± 15 %	1 x 120VAC ± 15 %	1x230VAC ± 15 % (1x120VAC)	3x400 VAC ± 15 %		CE 3 x 400VAC ± 15 %	3 x 220VAC ± 15 %	CE 3 x 400VAC ± 15 %	3 x 220VAC ± 15 %	3x400 VAC ± 15 %	
Duty cycle	35%@30A-92V 60%@25A-90V 100%@21A-88,4V	40%@40A-120V 60%@30A-140V 100%@25A-140V	35%@30A-92V 60%@26A-90,4V 100%@21A-88,4V	50%@45A,100%@32 A (230VAC) 40%@25A,100 %@16A (120VAC)		80%@45A, 100%@40A		50%@55A-170V 60%@50A-170V 100%@41A-170V	60%@55A-140V 100%@42A-140V	100%@75A-170V		50%@100A-170V 60%@91A-170V 100%@80A-170V
I1max	22A	26A	28,8A	36,7A	16,2A		14,9A	28,9A	21,6A	38,6A	29,6A	
I1eff	13A	16,4A	17A	23,2A	14,4A		10,5A	22,3A	21,6A	38,6A	20,7A	
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	Yes	
Mechanised Application	Not applicable	Optional, Yes		Optional, Yes		Optional, Yes		Optional, Yes		Optional, Yes	Optional, Yes	
Gouging	Not recommended	Possible		Possible		Yes		Yes		Yes	Yes	
Grid Cutting	Yes	Yes		Yes		Yes		Yes		Yes	Yes	
Torch	FHT-EX®30H	FHT-EX®40		FHT-EX®45TT		FHT-EX®45TT		FHT-EX®105RTX		FHT-EX®105RTX	FHT-EX®105RTX	
Information's	48l/min @4,5bar dynamic	120l/min @4,5bar dynamic		90l/min @4,5bar dynamic		90l/min @4,5bar dynamic		105A/100A approx. 135 l/min, 85A/75A approx. 110 l/min, 65A /55A approx. 98 l/min, 45A approx. 87l/min		105A/100A approx. 135 l/min, 85A/75A approx. 110 l/min, 65A /55A approx. 98 l/min, 45A approx. 87l/min		
Recommended Cut	(*) 8mm	(*) 12mm	(*) 8mm	(*) 12mm	(*) 12mm		(*) 20mm	(*) 25mm		(*) 35mm		
Maximum	(*) 10mm	(*) 20mm	(*) 10mm	(*) 25mm	(*) 25mm		(*) 30mm	(*) 35mm		(*) 50mm		
Piercing	(*) 8mm	(*) 8mm	(*) 8mm	(*) 10mm	(*) 10mm		(*) 20mm	(*) 20mm		(*) 20mm		
Recommended Cut	(**) 4mm	(**) 4mm	(**) 4mm	(**) 12mm	(**) 12mm		(**) 15mm	(**) 18mm		(**) 20mm		
Maximum	(**) 8mm	(**) 8mm	(**) 8mm	(**) 20mm	(**) 20mm		(**) 25mm	(**) 25mm		(**) 38mm		
Piercing	(**) 4mm	(**) 4mm	(**) 4mm	(**) 10mm	(**) 10mm		(**) 16mm	(**) 20mm		(**) 20mm		
Recommended Cut	(***) 6mm	(***) 6mm	(***) 6mm	(***) 12mm	(***) 12mm		(***) 15mm	(***) 18mm		(***) 20mm		
Maximum	(***) 10mm	(***) 10mm	(***) 10mm	(***) 20mm	(***) 20mm		(***) 25mm	(***) 25mm		(***) 35mm		
Piercing	(***) 6mm	(***) 6mm	(***) 6mm	(***) 10mm	(***) 10mm		(***) 16mm	(***) 20mm		(***) 20mm		
Gas type	Compressed Air											
	Recommended Air quality: ISO 8573-1 Class 1.2.2.											
Gas quality	Air max. particle size: 0.1 microns, class 1 ref. to ISO 8573,											
Air specification	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)											