

THUNDER CUT



The new range of **THUNDER CUT** power sources for plasma cutting has been designed for the **professional manual cutting** sector and particular attention has been paid to offering maximum performance and optimised processing times.

Various technical features are available to speed up cutting operations:

- the new **ESA Fast connector** that allows the torch to be connected and disconnected quickly, no tools are needed;
- the **practical quick coupling** of the pressure regulator;
- a **single knob** for fine-tuning the cutting current quickly;
- a **single ECF-121 torch** for all THUNDER CUT power sources, which is combined with various consumables kits suitable for the different power sources;
- the **possibility of interrupting the post-gas** function to quickly replace exhausted consumables.

We would also like to highlight the **new graphics** of the front panel and stickers, in particular the upper sticker that guides the user in the choice and installation of the different types of torch spare parts that can be used.

In addition, the new design has improved **safety standards** and measures to **reduce energy consumption**.



THUNDER CUT



Their standard equipment includes:

- a 6 metre-long hand torch **ECF-121**,
- a suitable Starting Kit of consumables,
- a grounding cable.

540099.B STARTING KIT 45A	
	1 x 356555
	1 x 356556
	1 x 356557 (45A)
	1 x 356657
	1 x 356559

540117.B STARTING KIT 70A	
	1 x 356555
	1 x 356556
	1 x 356560 (70A)
	1 x 356657
	1 x 356559



Ultra Cut Capacity technology that increases the cutting capacity on very thick plates.



Innovative Thin Cut technology that allows obtaining higher quality cutting with reduced Kerf (amount of removed material).



Hyper Speed Cut technology that increases the cutting speed.



Self-restart function that allows the cutting of nets and grates.



Extra Life and **Low Pilot Arc** technology for increasing the performances and duration of consumables.



Long Tip Cut technology makes it possible to cut even close to very narrow angles and small spaces.



Gouging function that allows gouging operations.

INVERTER POWER SOURCES FOR PLASMA CUTTING

TECHNICAL DATA

M	Item	THUNDER CUT 50	THUNDER CUT 70
	Code	P00444	P00445
	Input voltage	3x400V 50-60 Hz	3x400V 50-60 Hz
P	Absorbed power	60% 100% 6,5 kVA 6,0 kVA	45% 60% 100% 9 kVA 7,2 kVA 6,5 kVA
	Cutting current	15 ÷ 50 A	15 ÷ 70 A
X%	Duty cycle	60% 100% 50 A 45 A	45% 60% 100% 70 A 60 A 50 A
	Mac. Cut thickness (steel)	15-22 mm	19-25 mm
	Coarse cutting capacity	30 mm	35 mm
	Piercing	10 mm	14 mm
	Stepless regulation	ELECTRONIC	ELECTRONIC
	Compressed air consumption	170 l/min – 5 bar	190 l/min – 5 bar
IP	Protection class	IP23	IP23
	Construction standards	EN60974-1 EN60974-7 EN60974-10 SCC	EN60974-1 EN60974-7 EN60974-10 SCC
	Dimensions	220x440x460 h mm	220x440x460 h mm
	Weight	18 kg	18 kg

We reserve the right to modify