

www.ceaweld.com



CEA

MMA

made in italy
SINCE 1950





MATRIX E

PROFESSIONAL ALLROUNDER FOR MMA WELDING

THREE PHASE INVERTER POWER SOURCES FOR ELECTRODE WELDING

Powerful, compact and light MATRIX E are high performing and technologically advanced MMA power sources. MATRIX E power sources, are recommended for highest standard applications with any electrode.

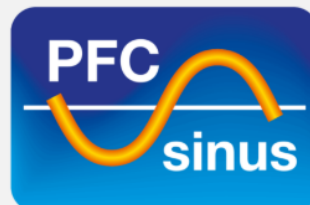
Suitable to be used in shipyards, steel construction, pipe welding and maintenance, MATRIX E ensure an extraordinary stability of the welding parameters and their "fast dynamic characteristic" enables to achieve quality results even with the most difficult cellulosic and basic electrodes, and also in TIG with "Lift" mode arc striking.

MATRIX E



Portable, strong and powerful

Thanks to PFC the single phase MATRIX 2200 E optimizes the amount of energy consumption by allowing the use of this powerful power source with 16 A fuse mains and power generator sets.



Main features

- Excellent welding characteristics in MMA with any kind of electrodes, including cellulosic, and in TIG with "Lift" mode
- High reliability when used with generator sets
- Suitable to be used with mains cable lengths over 100 m
- ENERGY SAVING function to operate the power source cooling fan only when necessary
- Possibility of activating the VRD function
- STAND BY function on the remote control

Other characteristics

- Auto-diagnostic feature for trouble shooting
- Control rack protection cover
- IP 23 protection class and dust-proof electronic components, thanks to the innovative "Tunnel" fan cooling system, allow operation in the toughest work environments
- Electrode Anti-sticking function



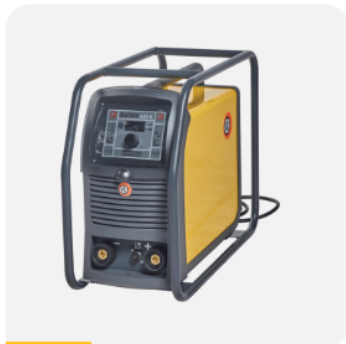
Available accessories

DISCOVER ALL AVAILABLE ACCESSORIES



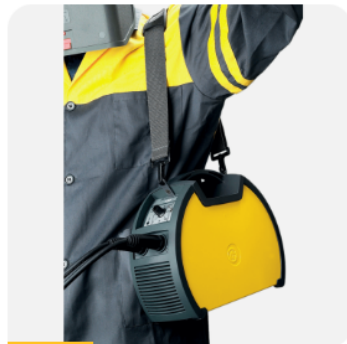
TROLLEY CT 10

234912



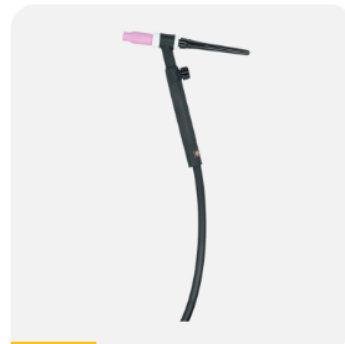
**ROLL BAR PROTECTION
KIT**

031150



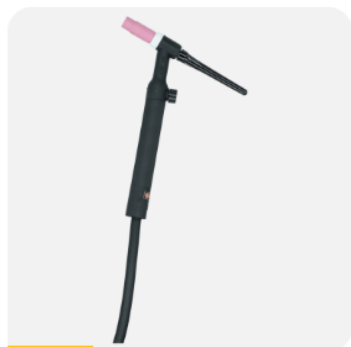
CB 2 CARRYING BELT KIT

031100



CEA TORCH RTX 17.4

020558



CEA TORCH RTX 26.4

020568



CD 6/8

236243



CD 6/25

236244



CD 6/50

236249

Datasheet

MATRIX E: TECHNICAL FEATURES

TECHNICAL DATA			MATRIX				
			2200 E	2700 E SV		3000 E	4200 E
Single phase input 50/60 Hz	V	+15% -15%	230				
Three phase input 50/60 Hz	V	+15% -15%		230	400	400	400
Input Power @ I ₂ Max	kVA		5,7	8,0	10,5	12,4	19,4
Delayed Fuse (I ₂ @ 100%)	A		16	16	10	16	20
Power Factor / cos φ			0,97 / 0,99	0,90 / 0,99		0,88 / 0,99	0,83 / 0,99
Efficiency Degree			0,85	0,80	0,80	0,86	0,88
Open circuit voltage	V		100	100	100	100	100
Current range	A		5 – 180	5 – 220	5 – 270	5 – 300	5 – 420
Duty cucle at (40°C)	A 100%		120	150	180	220	270
	A 60%		150	180	220	250	340
	A X%		180 (30%)	220 (30%)	270 (30%)	300 (30%)	420 (40%)
Standards			EN 60974-1 • EN 60974-10				
			S				
Protection Class			23 S	23 S		23 S	23 S
Dimensions (LxWxH)	mm		430 x 185 x 390	430 x 185 x 390		430 x 185 x 390	500 x 220 x 425
Weight	kg		12	16,5		15	20



WELDING TOGETHER

www.ceaweld.com

