

THYRISTOR WELDING CONVERTER

C.S. 500



The thyristor welding converters are compact and easily operated devices, meeting all the world requirements regarding the functionality and condition of practice.

They are designed for welding in all kind of environment from small manufacturing workshops up to building site.

C.S. 400

C.S. 240



C.S. 150

The thyristorized welding converters are intended for utilisation in manual welding with coated metallic electrodes, in the whole range of diameters and chemical compositions of the coating. Their enclosed electronics provides special protections, such as protection to electrode soldering and automatic disconnection at lack of phase and overtemperature.

They can be used also to cut metals with arc-air and carbon electrode.

We mention that the CS-500 type can be used also to fringe the sheets with copper plated carbon electrode, $\Phi 6$ - $\Phi 8$ mm.



TECHNICAL CHARACTERISTICS

C.S. 500

TECHNICAL CHARACTERISTICS	C.S. 500	C.S. 400
Supply voltage	3 x 380 V without wire for null connection	
Max. power absorbed from the network	20 kVA	14 kVA
cos φ	0.88	0.86
No-load voltage	82 V	77 V
No-load losses	0.26 kW	0.24 kW
Conventional welding voltage	20+0.04 I _s	20+0.04 I _s
Rated welding current at DA=60%	400 A	315 A
Maximum welding current	500 A	400 A
Range of current adjustment	20 - 500 A DC	20 - 400 A DC
Weight	202 kg	182 kg
Overall dimensions	800x450x420 mm	800x450x420 mm

C.S. 400

TECHNICAL CHARACTERISTICS	C.S. 240	C.S. 150
Supply voltage	3 x 380 V without wire for null connection	
Max. power absorbed from the network	7.5 kVA	3.9 kVA
cos φ	0.84	0.84
No-load voltage	70 V	66 V
No-load losses	0.22 kW	0.20 kW
Conventional weldin voltage	20+0.04 I _s	20+0.04 I _s
Rated welding current at DA=60%	200 A	125 A
Maximum welding current	240 A	150 A
Range of current adjustment	20 - 240 A DC	20 - 150 A DC
Weight	120 kg	85 kg
Overall dimensions	570x360x380 mm	500x350x325 mm

C.S. 240

C.S. 150