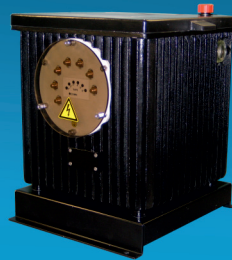


NEW

LOW-FREQUENCY POWER SUPPLIES FOR PLASMA APPLICATIONS



COMPACT SIZE AND FLEXIBILITY OF USE

The POWER SUPPLY, thanks to the compact size and its **modular** form, can be mounted inside a cabinet which is containing other equipment, or in a special cabinet containing also the operator panel.

HIGH EFFICIENCY

Achieved by using the technique of conversion ZVS (resonant converter 40-50kHz).

WORKING MODE

Manual Mode
Automatic Mode "W"
Automatic Mode "SPECIFIC POWER"
Automatic Mode "V.Out"
Automatic Mode "I.Out"

ARC CONTROL

Automatic sensitivity adjustment depending on the power level of the adjustment mode used.

PROGRAMMABLE LOGIC CONTROLLER (PLC)

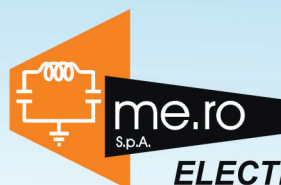
Adjustment and visualization of the analog operating values
Management of the digital I/O and alarms
Service reports.
PROFIBUS-DP.

AIR COOLED

Elimination of frequent problem caused by water cooling.

EASY LOAD MATCHING

Six taps on the secondary of the output transformer with possibility of a fine adjustment by using the variable impedance connected in series to the primary winding.



ELECTRONIC INDUSTRIAL EQUIPMENT

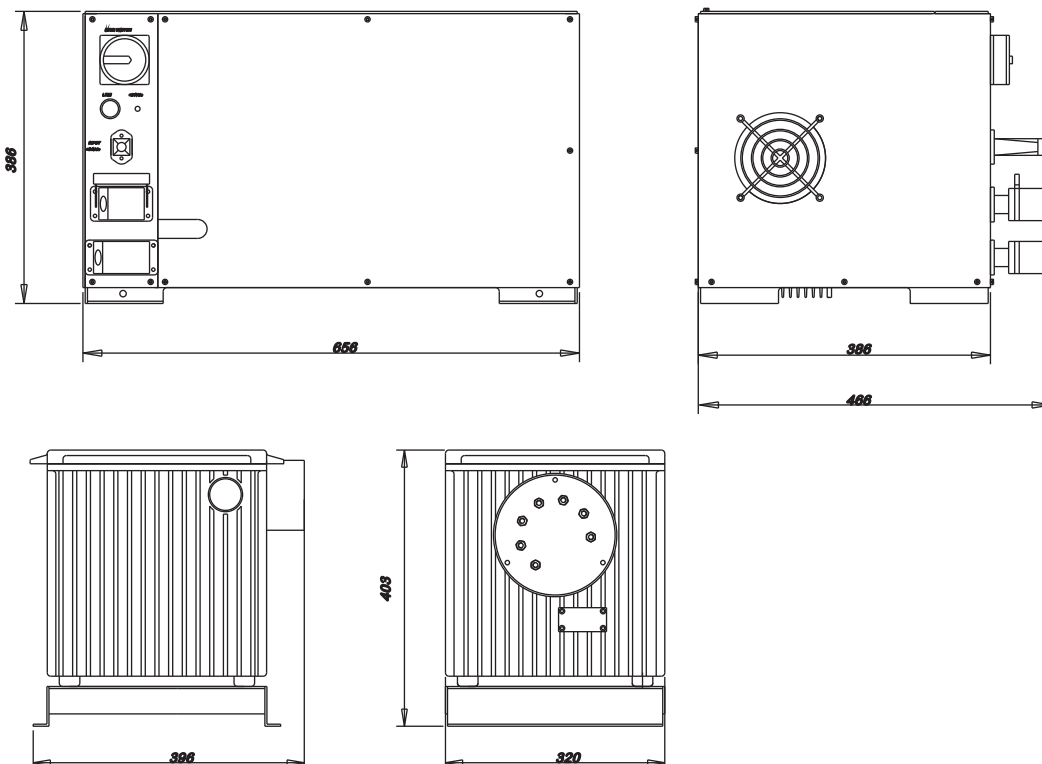
VIA BALESTRERI n°430 - 55100 - PONTE A MORIANO - LUCCA - ITALY
TEL. +39-0583-406060 FAX +39-0583-406050 E-mail:info@mero.it - www.mero.it

SPECIFICATIONS

ELECTRICAL	
Line Voltage	3 x380 to 460 V AC - with ground – no neutral
Efficiency	90% at full rated output
Power Factor	0.9 at full rated output
Maximum Absorbed Power	11,5 kVA
Maximum Output Power	10 kW
Output Frequency	40 – 50 kHz
Maximum Output Voltage	1000 Vrms
Maximum Output Current	18 Arms
Load Match	6 taps (+ variable impedance)
Working Mode	Manual Automatic mode "W" Automatic mode Specific Power Automatic mode V.out rms Automatic mode I.Out rms
Arc Control	Automatic sensitivity adjustment depending on the Power Level of the adjustment Mode used.
Interface	Profibus-DP
Cooling	Totally in Air

PHYSICAL	
Generator	
Size	W 656 H 386 D 386 mm
Weight	39 Kg
Protection level	IP44
Output Transformer	
Size	W 396 H 403 D 320 mm
Weight	56 Kg
Protection level	IP44

ENVIRONMENTAL	
Temperature range	5 - 40 °C
Humidity range	15 - 85% non condensing



Ci riserviamo di apportare in qualsiasi momento e senza darne comunicazione le modifiche che riterremo opportune.
We reserve the right to carry out any modifications we may consider opportune at any time and without prior notice.

