

COMPACT 80·6 | VT 80·6

LOW TENSION HEAT TREATMENT MACHINE – RESISTANCE METHOD

DIMENSIONS:

Depth 960 mm

Width 779 mm

Height 1035mm (with wheels)

WEIGHT:

365 kg

POWER:

80 KVA

OUTPUT NR.:

n. 6 independent outputs

MAIN TECHNICAL CHARACTERISTICS:

- max current in output 150A
- three phase power supply 400V 50
- current absorption 116A
- power control by static switch SCR
- single output power 13,5 KVA (n.3 heating elements for each output-50A)
- continuous temperature regulation 0 to 1200°C
- automatic regulation of heat treatment cycle temperature
- manual/automatic mode regulation
- insulation transformer with 80 KVA power
- 6 independent outputs
- Over temperature security
- 160A magneto-thermic general switch
- IP 20 security protection
- N. 1 microprocessor temperature electronic board suitable to control 6 outputs with the following characteristics:
mode selection: manual/automatic
PID temperature regulation
variable band alarm selectable by operator
linear interpolation of thermocouple
automatic room temperature compensation

- **Compact-VT 80/6** : variable tension from 0 to 90V
- **Compact 80/6** : fix tension 45V or 90V



[Image shows 110kw model with the optional paper recorder assembled as example]

“Power control by static switch SCR allows a more accurate and appropriate power managing”

VIDEOGRAPHIC TOUCHSCREEN 7" PROGRAMMER / RECORDER

- TFT 7" touch screen display, 800x480 pixel with backlighting
- Functioning temperature -20 +65 °C
- Degrees °C or °F
- Accuracy class 0,3
- Set points, hold times, heating and cooling gradients, absorbed current and alarms setup
- Programming memory with 10 pre-set heating cycles.
- 8GB recorded cycles memory (equivalent to thousands of heating cycles)
- Recorded cycles download on USB key
- Status alarm (High and low temperature, interrupted thermocouple)
- Multilanguage (Italian, English, French and Spanish)
- Integrated instruction manual
- Protection Degree IP65



PAPER AUXILIARY RECORDER ASSEMBLED ON THE MACHINE (OPTIONAL TO BE REQUESTED)

Microprocessor temperature recorder, range 0 ÷ 1000°C,
Ni/Cr-Ni/Al "K" type thermocouples, flowing of diagram paper 20
mm/h, n. 6 plotting points, width of scale 100 mm.

- Inputs, paper speed and scale range programmable
- precision $\pm 0,3\%$ of the scale range ± 1 digit
- dimensions 144 x 144 mm



CONNECTING CABLE SET

POWER CABLES



N. 6 Bi-polar cables connecting the power unit to the heating element cables

- Length 15 M standard (other lengths upon requests)
- Sect. 35 mmq
- Rubber insulation
- Connectors for 400A welder

HEATING ELEMENTS CONNECTING CABLES



N. 12 Three-way cables connecting the power cables to the heating elements

- Length 1,3 Mt standard (other lengths upon requests)
- Sect. 10 mmq
- High temperature silicon insulation
- n. 1 connectors for 400A welder and n. 3 connectors with 1/4 turn 60 A quick coupling.

THERMOCOUPLE CONNECTING CABLES



N. 6 Extension cables type "KX" for the thermocouple connection

- Length 15 M standard (other lengths upon requests)
- Insulation PVC+PVC 105°
- Polarized connectors type "K"

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