

MINAC[®] 50/80 SM

MOBILE
HEAT
GENERATOR



Mobile, flexible and easy-to-use. The Minac brings the benefits of induction to tough-to-access workpieces.

Minac is future-proof

EFD Induction has always been at the forefront of technological development and with a new fully digital control system, we set you up for the future.

Minac increases throughput

Fast, easy, accurate and repeatable heat delivery improves productivity.

Minac is easy to operate

The operating panel with its 10-inch capacitive colour touch screen and latest technology in man-machine interface, is the most user-friendly on the market.

Minac is environment friendly

No flames, no gas and virtually no radiant heat mean a more comfortable, more productive working environment. Good news for the natural environment, too.

Minac lets you do more

Minac's mobility and application versatility let you perform practically any heating task.

Minac reduces costs.

Precise heat delivery means you get things right the first time. Scrap, re-working and energy costs are minimized.



PUTTING THE SMARTER
HEAT TO SMARTER USE

* The system shown is for illustrative purposes only. Coils and fixtures are optional extras.

PRODUCT FEATURES

Future-proof

The Minac is fitted with an upgradable control system which is prepared for Industry 4.0. Better use of machine data will increase productivity and give unmatched control and efficiency, while enhanced diagnostics and our unique, advanced machine audits and troubleshooting ensure all-important reliability.

Mobile

Minac is light enough to be carried in a normal car. You no longer have to transport workpieces to the induction system—often a costly and time-consuming process.

Flexible

The Minac can be fitted with a practically limitless range of coil designs and coil fixtures, flexible cables, closed or separate cooling systems, specially designed heating cables, etc.

10-inch capacitive colour touch screen

The operating panel with its 10-inch capacitive colour touch screen and latest technology in man-machine interface, is the most user-friendly on the market. The multi-language control panel provides access to all system functions, and any information you need can be quickly and easily displayed.

Handheld transformers

Handheld transformers (HHT) feature precise power control and are as easy to operate as a regular electric drill. Flexible, water-cooled cables connecting the HHT to the converter allow easy access to workpieces.

Maximum output power

With the Minac's maximum power feature you can, for limited periods of time, operate with an output power far in excess of the continuous output power.

APPLICATION AREAS

Minac is ideal for a wide range of applications: brazing, shrink fitting, hardening, curing, straightening, heat treatment, etc. Minac is suitable for heating all kinds of electrical conductive materials like copper, aluminum, steel, stainless steel, brass, titanium, etc.

TECHNICAL DATA

Model	MINAC 50/80 SM
Output	
Continuous output power	50 kW
Max. output power	80 kW
Duty factor / cycle time	50%/10 min
Output power regulation range	2-100 %
Frequency range	10-25 kHz
HHT 400 power cable length	5 m / 10 m
Supply	
Supply voltage range	3 x 400-480 V \pm 10%
Frequency	50/60 Hz
Nominal voltage	400 V
Nominal line current	89A (RMS)
Max. line current intermittent	134A (RMS)
Nominal apparent power	62 kVA
Maximum apparent power	93 kVA
Recommended fuse	100 Amp
Mains cable length	5 m

Cooling

Water consumption, min.	21 l/min*
Water inlet temperature	max. 35°C
Water pressure min./max.	4.5 / 6 bar*
Cooling water quality - ph	between 7.0 and 9.0

Enclosure

Ambient operating temp.	+5°C - +50°C
Outer dimensions (WxDxH)	345 x 708 x 453 mm
Weight with HHT 400 / 5m	80 kg (approx.)
Enclosure protection	IP 54
Color	RAL 7021 Black
HHT 400 outer dimension (LxOD)	183 x 77 mm
HHT 400 weight without handle	6 kg

* Dependent of coil

Subject to modification