

Sinac[®] 12/18 SM



Incorporating the very latest advances in induction technology, the Sinac range offers unrivalled reliability and application flexibility.

Sinac increases throughput.

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

Sinac improves quality.

Sinac's microcontroller feature lets you pre-set temperatures and ramp-up and dwell times. Precise repeatability of heating cycles is assured.

Sinac 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.

Sinac lets you do more.

Sinac's flexibility and application versatility let you perform practically any heating task.

Sinac reduces costs.

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



Sinac[®] 12/18 SM

PRODUCT FEATURES

Stationary systems

Sinac is EFD Induction's range of complete stationary heating systems. Sinac's compact design saves valuable floor space and simplifies in-line integration and retrofitting.

Range of coils

Sinac systems can be fitted with a practically limitless range of coil designs. EFD Induction are specialists at designing, testing and delivering customized, long-life coils.

Advanced MMI

Sinac features the latest in Man/Machine Interface (MMI) control panels. Sinac's clear, menu-based and multilanguage control panel ensures maximum ease-of-use. Functionality is based on our specially designed microcontroller.

Remote control

A remote control unit lets you control heating cycles via feedback to the microcontroller. Sinac is available with field buses and is compatible with Profibus-DP, Interbus, Ethernet. etc.

Robot compatible

Sinac can be adapted to any robot, allowing quick, no-fuss intergration into automated production lines. The HHT can easily be mounted on a robot arm.

Maximum output power

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

APPLICATIONS AREAS

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

TECHNICAL DATA

Model	Sinac 12/18 SM
Output	
Continuous output power	12 kW
Max. output power	18 kW
Duty factor / cycle time	50%/10 min
Output power regulation range	2-100 %
Frequency range	10 - 40 kHz
HHT 240 power cable length	5 m
Supply	
Supply voltage range	3x 400-480 V ± 10%
Frequency	50/60 Hz
Nominal line current	21.5A (RMS)
Max. line current at 360 V	32A (RMS)
Nominal apparent power	15 kVA
Maximum apparent power	20 kVA
Recommended fuse	32 Amp
Mains cable length	5 m

Cooling

Water consumption, min.	5 l/min*
Water inlet temperature	max. 35°C
Water pressure min./max.	4/6 bar *
Cooling water quality - ph	between 7.0 and 9.0

Enclosure

Ambient operating temp.	+5°C - +50°C
Outer dimensions (WxDxH)	600x350x800 mm
Weight with HHT 240	52 kg
Enclosure protection	IP 54
Color	RAL 7035 Grey
HHT 240 outer dimension (LxOD)	128 x 76.1 mm
HHT 240 weight without handle	2,5 kg

Subject to modification

* Dependent of coil