

Sinac® 25/40 SH



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.

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



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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 advanced Man/Machine Interface (MMI) control panels. Sinac's clear, menu-based and multi-language control panel maximize ease-of-use. Functionality is based on our specially designed microcontroller. The coil can either be fixed in position, or operated manually when attached to a handheld transformer (HHT).

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, Devicenet, 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 25/40 SH
Output	
Continuous output power	25 kW
Max. output power intermittent	40 kW
Duty factor / cycle time	50%/10 min
Output power regulation range	2-100 %
Frequency range	50-100 kHz
HHT 400 power cable length	5 m
Supply	
Supply voltage range	3x 400-480 V \pm 10%
Frequency	50/60 Hz
Nominal voltage	400 V
Nominal line current	45 A (RMS)
Max. line current intermittent	67 A (RMS)
Nominal apparent power	31 kVA
Maximum apparent power	47 kVA
Recommended fuse	63 Amp

Cooling

Water consumption, min.	19 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 cabinet (WxDxH)	600 x 350 x 760 mm
Weight with HHT 400 approx.	115 kg
Enclosure protection	IP 54
Color	RAL 7035 Grey
HHT 400 outer dimension (LxOD)	183 x 77 mm
HHT 400 weight without handle	6 kg

Subject to modification

* Dependent of coil