

Sinac® 100/160 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.

Fast and repeatable ramp-up times ensure quality throughout every heating cycle.

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.



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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 the latest in Man/Machine Interface (MMI) control panels. Sinac's clear, menu-based and multilanguage control panel ensures maximum ease-of-use.

Remote control

Remote control of Sinac is possible from various external control systems via hardwired interface. Sinac is also available with field bus option compatible with Profibus-DP, Interbus, Ethernet, DeviceNet, etc.

Robot compatible

Sinac can be adapted to any robot, allowing quick, no-fuss integration into automated production lines. The HHT (Hand Held Transformer) 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 100/160 SM
Output	
Continuous output power	100 kW
Max. output power	160 kW
Duty factor / cycle time	50%/10 min
Output power regulation range	2-100 %
Frequency range	10 - 25 kHz
HHT 1200 power cable length	5 m
Supply	
Supply voltage range	3x 400-480 V ± 10%
Frequency	50/60 Hz
Nominal line current	185A (RMS)
Max. line current at 400 V	327A (RMS)
Nominal apparent power	128 kVA
Maximum apparent power	226 kVA
Recommended fuse	200 Amp

Cooling

Water consumption, min.	35 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
Minimum differential pressure	4 bar

Enclosure

Ambient operating temp.	+5°C - +50°C
Outer dimensions (WxDxH)	800x(600+300)x2100 mm
Weight with HHT 1200	480 kg
Enclosure protection	IP 54
Color	RAL 7035 Grey
HHT 1200 outer dimension (LxOD)	352 x 110 mm
HHT 1200 weight without handle	22 kg

Subject to modification

* Dependent of coil