

# Sinac® 150/240 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 150/240 SM
<b>Output</b>	
Continuous output power	150 kW
Max. output power	240 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
<b>Supply</b>	
Supply voltage range	3x 400-480 V ± 10%
Frequency	50/60 Hz
Nominal line current	280A (RMS)
Max. line current at 400 V	410A (RMS)
Nominal apparent power	194 kVA
Maximum apparent power	284 kVA
Recommended fuse	315 Amp

### Cooling

Water consumption, min.	50 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