

## Superior Induction Company

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### Product Name: **SI-100KWHF**



Superior Induction is dedicated to offering our customers quality induction heating equipment at a very affordable price. These are truly remarkable and revolutionary machines packing tremendous power in such a small chassis. Like the rest of our family of induction heaters, the HF Series (meaning High Frequency 100-700 kHz) uses the highest quality components from the 3KW model (SI-3KWHF) all the way up to the 100KW model (SI-100KWHF). They are truly portable machines, ranging in weight from 53 lb (24 kg) to 321 lb (146 kg).

How does Superior Induction keep the prices so affordable? We have low overhead. In addition, the manufacturer's engineers have developed a very efficient design in all their induction heating machines, thereby reducing the amount of components and the cost. These machines are ideal for small part annealing, surface hardening, brazing, bonding and many other applications. Because our solid-state induction heaters are so portable, they can be placed on a cart and moved just about anywhere on the factory floor for easy mobility. Also because of their small chassis size they can be shipped anywhere around the world for both sales and service. If after a few years your machine needs service, no problem; just ship it to us and we will return it to you with very fast turnaround.

Superior Induction offers our solid-state induction heating equipment with a one year parts and labor warranty and are guaranteed to perform as well or better than any other induction heaters. Support is available any time either through a telephone call or email.

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### Specification

<b>Water Protection</b>	Pressure and Temperature Switch
<b>Water Pressure</b>	40 kW
<b>Water Flow</b>	6.0 gal/min - 24 L/min
<b>Output Power</b>	100 kW
<b>Output Frequency</b>	50 to 120 kHz
<b>Input Voltage</b>	460 V Three Phase
<b>Input Power</b>	110 kVA
<b>Duty Cycle</b>	100%
<b>Auto Retaining Time</b>	0.1 to 99.9 seconds
<b>Auto Heating Time</b>	0.1 to 99.9 seconds
<b>Air Cooling</b>	Rear Fan

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### Power-Supply

<b>Weight</b>	175 lb ~ 80 kg
<b>Size (W x D x H)</b>	10 x 22 x 22 in ~ 260 x 550 x 550 mm

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**Heat-Station**

<b>Weight</b>	141 lb ~ 64 kg
<b>Size (W x D x H)</b>	14 x 28 x 24 in ~ 360 x 690 x 590 mm