

## Superior Induction Company

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## Product Name: **SI-20KWLF**



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 LF Series (meaning Low Frequency 1-20 kHz) uses the highest quality components from the 10KW model (SI-10KWLF) all the way up to the 150KW model (SI-150KWLF). They are truly portable machines, the largest weighing 289 lb (131 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 rod and bar forging, induction melting, heat treatment of moulds and heat matching for motor parts. 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 psi ~ 0.28 Mpa               |
| <b>Water Flow</b>          | 2.25 gal/min - 9.0 L/min        |
| <b>Output Voltage</b>      | 70 to 550 V                     |
| <b>Output Power</b>        | 20 kW                           |
| <b>Output Frequency</b>    | 1 to 20 kHz                     |
| <b>Output Frequency</b>    | 1 to 20 kHz                     |
| <b>Output Current</b>      | 5 to 45 A                       |
| <b>Input Voltage</b>       | 460 V Three Phase               |
| <b>Duty Cycle</b>          | 100%                            |
| <b>Auto Retaining Time</b> | .1 to 99.9 seconds              |
| <b>Auto Heating Time</b>   | .1 to 99.9 seconds              |
| <b>Air Cooling</b>         | Rear Fan                        |

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## Power-Supply

|                         |                                    |
|-------------------------|------------------------------------|
| <b>Weight</b>           | 44 lb 20 kg                        |
| <b>Size (W x D x H)</b> | 10 x 18 x 17in ~ 260 x 460 x 430mm |

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## Heat-Station

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Weight</b>           | 66 lb ~ 30 kg                       |
| <b>Size (W x D x H)</b> | 9 x 18 x 15 in ~ 220 x 460 x 375 mm |