

1-Ton Induction Furnace for Copper Melting

This induction melting furnace is designed for melting copper and copper alloys. It offers high melting efficiency, energy savings, and precise temperature control.



Overview

High-Efficiency Copper Melting Furnace

This 1-ton induction melting furnace is engineered specifically for copper and copper alloy processing. It features a robust steel frame and advanced water-cooled induction coil technology for reliable performance. Designed for industrial casting applications, it offers rapid melting times, high energy efficiency, and precise temperature control to ensure uniform metal composition.

Technical Specifications

Core Performance Metrics

1 T Rated Capacity	600 KW Rated Power	1.2 T/H Melting Rate	50 Min/batch Melting Time
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Electrical Requirements

Parameter	Value
Power Input Voltage	380 V
MF Output Voltage	1500/2200 V
MF Frequency	0.6 KHZ
Transformer Capacity Required	750 KVA

Performance & Efficiency

Efficiency Data

- Electricity Consumption: 380 KWH/T
- Water Cooling Consumption: 12 T/H
- Operating Temperature: 1300 °C

Safety & Operation

Operational Advantages

- Constant power output for consistent melting
- Zero-voltage sweep-frequency start style
- Suitable for frequent start requirements
- Easy to operate for various casting processes

Safety & Protection

Overcurrent Protection, Overvoltage Protection, Current-limiting Protection, Voltage-limiting Protection, Water-break Protection, Default Protection