

150kg Copper Melting Induction Furnace

This copper melting induction furnace is designed for melting copper and copper alloys with high efficiency. It offers good electricity saving effect, good metal component uniformity, less burning loss, and easy temperature control.



Overview

High-Efficiency Copper Melting Solution

This 150kg capacity induction furnace is specifically engineered for the efficient melting of copper and copper alloys. Featuring advanced induction heating technology, it ensures rapid temperature rise, uniform metal composition, and reduced burning loss. Designed for reliability and ease of use, it is an ideal choice for foundries and metal casting facilities requiring precise temperature control and energy-efficient operation.

Technical Specifications

Key Performance Metrics

0.15 T

Rated Capacity

160 KW

Rated Power

0.25 T/H

Melting Rate

1300 °C

Max Temperature

Electrical Requirements

Parameter	Value
MF Frequency	1 KHZ
Power Input Voltage	380 V
MF Output Voltage	1500 V
Transformer Capacity	200 KVA

Operational Data

Efficiency and Cycle Time

- Melting Time: 36 Minutes/batch
- Electricity Consumption: 400 KWH/T
- Water Cooling Consumption: 3 T/H

Features

Safety Protection Features

Overcurrent Protection • Overvoltage Protection • Current-Limiting • Voltage-Limiting • Water-Break Protection • Default Protection

Core Advantages

Constant Power Output, Zero-Voltage Sweep-Frequency Start, Comprehensive Protection Functions, Aluminum Shell Construction, Easy Operation