

# 3-Ton Steel Shell Copper Melting Furnace

This steel shell copper melting furnace is mainly used for melting copper and copper alloys. It offers high melting efficiency, good electricity saving effect, and easy temperature control.



## Product Overview

### Industrial Efficiency for Copper Processing

This 3-ton induction melting furnace is engineered for high-efficiency processing of copper and copper alloys. Featuring a robust steel shell construction, the system offers excellent thermal uniformity, minimal metal burning loss, and rapid temperature control. Designed for reliability and ease of operation, it is an ideal solution for foundries and metalworking facilities seeking scalable and energy-efficient melting capabilities.

## Technical Specifications

### Operational Performance

**3 T**

Rated Capacity

**4.1 T/H**

Melting Rate

**44 Min/batch**

Melting Time

**360 KWH/T**

Electricity Consumption

### Electrical Requirements

Parameter	Value
Rated Power	1500 KW
Transformer Capacity	1600 KVA
Input Voltage	380/670 V
MF Output Voltage	1500/2200 V
MF Frequency	0.5 KHZ

## Key Advantages

### Core Features

- Constant power output for speedy melting
- Zero-voltage sweep-frequency style start
- Comprehensive safety protection suite
- Easy operation suitable for various casting processes
- High energy efficiency and uniform metal heating

### Protection Systems

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