

# 3-Ton Induction Melting Furnace for Foundries

This intermediate frequency induction melting furnace is designed for melting iron, steel, stainless steel, and alloys. It provides high melting efficiency, good electricity saving effect, good metal component uniformity, less burning loss, and speedy temperature rise.



## Overview

### High-Efficiency Induction Melting

This 3-ton intermediate frequency induction melting furnace is engineered for high-performance metal processing, including iron, steel, stainless steel, and various alloys. It features constant power output for rapid melting cycles and energy efficiency, ensuring uniform metal composition and minimal burning loss. Designed for industrial foundries, the system offers precise temperature control and robust operational reliability.

## Technical Specifications

Rated Capacity	3 T
Maximum Capacity	3.5 T
Rated Power	2500 KW
MF Frequency	0.5 KHZ
Melting Rate	3.8 T/H
Melting Time	65 Minutes/batch

## Performance Metrics

### Key Performance Indicators

**580 KWH/T**

Electricity Consumption

**2500 KVA**

Transformer Capacity Required

**50 T/H**

Water Cooling Consumption

## Electrical Data

### Electrical Parameters

Parameter	Value
Power Input Voltage	660 V
MF Output Voltage	1200 V
Pulse	6/12

## Features

### Key Advantages

- Constant power output for speedy melting
- High energy-saving efficiency
- Zero-voltage sweep-frequency start style
- Uniform metal component distribution
- Reduced burning loss
- Rapid temperature rise and easy control

## Applications

### Suitable Materials

Iron, Steel, Stainless Steel, Alloys