

# 5-Ton Steel Melting Induction Furnace

This steel melting induction furnace is mainly used for melting iron, steel, stainless steel, and alloys. It offers high melting efficiency, good electricity saving, good metal component uniformity, less burning loss, speedy temperature rise and easy control of temperature.



## Overview

### Industrial Steel Melting Furnace

This 5-ton induction furnace is designed for high-efficiency melting of iron, steel, stainless steel, and various alloys. It offers superior energy savings, uniform metal composition, and rapid temperature control to minimize material burning loss. Built for industrial reliability, this unit ensures a consistent melting rate and speedy cycle times for high-volume metal production.

## Performance Metrics

### Key Performance Indicators

**5 T**

Rated Capacity

**3000 KW**

Rated Power

**6 T/H**

Melting Rate

**550 KWH/T**

Electricity Consumption

## Technical Specifications

### Technical Details

Feature	Value
Max Capacity	5.6 T
MF Frequency	0.5 KHZ
Input Voltage	660 V
Output Voltage	1200 V
Pulse	6/12
Melting Time	70 Minutes/batch
Transformer Capacity	3600 KVA
Water Cooling Req	55 T/H

## Key Features

### System Advantages

- Constant power output for speedy melting
- High electricity saving efficiency
- Zero-voltage sweep-frequency start for frequent use
- Comprehensive safety protection system
- Uniform metal component mixing

## Applications

Suitable Materials

Iron, Steel, Stainless Steel, Alloy