

# 50KG Iron Melting Induction Furnace

This iron melting induction furnace is mainly used for melting iron, cast iron, and grey iron. It features high melting efficiency, good electricity saving effect, and good metal component uniformity.



## Overview

### High-Efficiency Induction Melting

This 50KG Iron Melting Induction Furnace is engineered for precision and efficiency in industrial metalworking environments. Utilizing advanced induction heating technology, it ensures rapid and uniform melting of iron, cast iron, and grey iron with minimal burning loss. Designed for foundries and research facilities, it features robust construction and comprehensive protection systems for reliable, high-performance operation.

## Technical Specifications

Rated Capacity	0.05 T
Maximum Capacity	0.06 T

## Performance Metrics

### Key Performance Metrics

**100 KW**

Rated Power

**0.17 T/H**

Melting Rate

**18 Min/batch**

Melting Time

## Electrical & Utilities

### Electrical Requirements

Parameter	Value
Input Voltage	380 V
Output Voltage	750 V
Pulse	6
Transformer Capacity	120 KVA
MF Frequency	2.5 KHZ

### Utility Consumption

- Electricity Consumption: 620 KWH/T
- Water Cooling Consumption: 5 T/H

## Features & Advantages

### Advantages

Constant Power Output • Speedy Melting • High Energy Efficiency • Zero-Voltage Start • Comprehensive Protection

## Usage

### Primary Applications

Iron Melting, Cast Iron, Grey Iron, Foundry Operations, Metalworking