

# 250kg Aluminum Shell Melting Induction Furnace

This aluminum shell melting induction furnace is mainly used for melting iron and other metals. It features high melting efficiency, good electricity saving effect, and easy temperature control.



## Overview

### High-Efficiency Induction Melting

This 250kg aluminum shell induction furnace is engineered for rapid and efficient melting of various metals, including iron. It features a robust design that ensures excellent metal uniformity, reduced burning loss, and precise temperature control. Designed for industrial applications, the system offers high energy efficiency and comprehensive protection functions for reliable, continuous operation.

## Technical Specifications

### Key Performance Metrics

<b>0.25 T</b> Rated Capacity	<b>250 KW</b> Rated Power	<b>0.51 T/H</b> Melting Rate	<b>45 min/batch</b> Melting Time
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### Capacity Details

Metric	Value	Unit
Rated Capacity	0.25	T
Max Capacity	0.35	T

### Electrical Requirements

- Power Input Voltage: 380V
- MF Output Voltage: 750V
- MF Frequency: 2.5 KHZ
- Transformer Capacity: 315 KVA
- Pulse: 6

## Operational Efficiency

### Consumption and Cooling

- Electricity Consumption: 650 KWH/T
- Water Cooling Consumption: 10 T/H

### Key Advantages

Constant Power Output • Speedy Melting • Energy Saving • Zero-Voltage Start • High Uniformity