

# 300kg Aluminum Melting Induction Furnace

This induction furnace is designed for melting aluminum and aluminum alloys. It offers high melting efficiency, energy savings, and precise temperature control.



## Product Overview

### High-Efficiency Aluminum Melting Solution

This 300kg induction furnace is engineered specifically for the efficient melting of aluminum and aluminum alloys. It features advanced constant power output for rapid melting speeds and excellent energy-saving performance. Designed for reliability, the system includes comprehensive protection functions and is suitable for a wide range of casting processes.

## Performance Metrics

### Key Performance Indicators

<b>0.3 T</b> Rated Capacity	<b>160 KW</b> Rated Power	<b>0.27 T/H</b> Melting Rate	<b>67 min/batch</b> Melting Time
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## Technical Specifications

### Electrical Requirements

Parameter	Value	Unit
MF Frequency	1	KHZ
Power Input Voltage	380	V
MF Output Voltage	1500	V
Transformer Capacity Required	160	KVA

### Operational Parameters

- Operating Temperature: 780°C
- Electricity Consumption: 630 KWH/T
- Water Cooling Consumption: 8 T/H

## Features & Benefits

### Key Advantages

- Constant power output for rapid melting
- Zero-voltage sweep-frequency start style
- High energy-saving efficiency
- Uniform metal composition
- Reduced burning loss
- Easy temperature control

### Safety & Protection

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