

# 3-Ton Aluminum Induction Melting Furnace

This aluminum induction melting furnace is designed for melting aluminum and aluminum alloys with high efficiency. It provides good metal component uniformity, reduces burning loss, and ensures speedy temperature rise with easy temperature control.



## Overview

### High-Efficiency Aluminum Melting Solution

This 3-ton induction melting furnace is engineered for the efficient and precise melting of aluminum and aluminum alloys. Designed for industrial casting processes, it features high melting efficiency, excellent energy savings, and superior metal component uniformity. The system includes comprehensive protective functions and durable construction to ensure reliable, high-speed performance in demanding manufacturing environments.

## Technical Specifications

### Performance Highlights

**3 T**

Rated Capacity

**1500 KW**

Rated Power

**3.6 T/H**

Melting Rate

### Operational Parameters

| Parameter                     | Value              |
|-------------------------------|--------------------|
| Model                         | GWL-3T-1500KW/0.4S |
| MF Frequency                  | 0.4 KHZ            |
| Power Input Voltage           | 720 V              |
| MF Output Voltage             | 1500 V             |
| Operating Temperature         | 780                |
| Melting Time                  | 50 Minutes/batch   |
| Electricity Consumption       | 500 KWH/T          |
| Transformer Capacity Required | 1600 KVA           |
| Water Cooling Consumption     | 34 T/H             |

## Features

### Advantages

- Constant power output for speedy melting and energy efficiency
- Zero-voltage sweep-frequency start for frequent operation requirements
- Comprehensive safety protections (overcurrent, overvoltage, water-break)
- User-friendly operation suitable for various casting processes
- Durable construction for long-term industrial use

### Safety Protections

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