

1.5-Ton Aluminum Melting Furnace

This aluminum melting furnace is designed for melting aluminum and aluminum alloys. It offers high melting efficiency, energy savings, and uniform metal component distribution, along with rapid temperature rise and easy temperature control.



Overview

High-Efficiency Aluminum Melting Solution

This 1.5-ton aluminum melting furnace is engineered for high-volume melting of aluminum and aluminum alloys. It features advanced heating technology that ensures rapid temperature rise, consistent metal uniformity, and reduced burning loss. Designed for industrial reliability, the system includes comprehensive protection functions and intuitive controls to streamline the casting process while maintaining high energy efficiency.

Technical Specifications

| | |
|-------------------------|------------------|
| Rated Capacity | 1.5 T |
| Rated Power | 750 KW |
| Melting Rate | 1.39 T/H |
| Melting Time | 65 Minutes/batch |
| Electricity Consumption | 520 KWH/T |

Electrical Requirements

| | |
|-------------------------------|---------|
| Power Input Voltage | 380 V |
| MF Output Voltage | 1500 V |
| MF Frequency | 0.4 KHZ |
| Transformer Capacity Required | 800 KVA |

Operational Metrics

Key Performance Metrics

780 °C

Operating Temperature

22 T/H

Water Cooling Consumption

Features

Operational Advantages

- Constant power output for speedy, efficient melting
- Zero-voltage sweep-frequency start style
- Easy to operate and suitable for various casting processes
- High metal component uniformity
- Reduced burning loss

Safety & Protection

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