

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