

150kg Aluminum Melting Induction Furnace

This aluminum melting induction furnace is mainly used for melting aluminum and aluminum alloys. It offers high melting efficiency, energy savings, and uniform metal component distribution.



Overview

Efficient Aluminum Melting Solution

This 150kg Aluminum Melting Induction Furnace is engineered for high-efficiency melting of aluminum and aluminum alloys. Featuring a robust aluminum shell and advanced induction heating technology, it ensures rapid temperature rise, uniform metal composition, and minimal burning loss. Designed for reliability and ease of use, it incorporates comprehensive protection systems and is suitable for a wide range of casting processes.

Technical Specifications

Performance Highlights

0.15 T

Rated Capacity

100 KW

Rated Power

0.17 T/H

Melting Rate

53 Minutes/batch

Melting Time

Electrical Parameters

Parameter	Value
MF Frequency	1 KHZ
Power Input Voltage	380 V
MF Output Voltage	1500 V
Transformer Capacity	125 KVA
Electricity Consumption	640 KWH/T

Operational Details

Operational Data

- Target Melting Temperature: 780°C
- Water Cooling Consumption: 7 T/H
- Furnace Model: GWL-0.15T-100KW/1S

Key Advantages

Constant Power Output • Zero-Voltage Sweep-Frequency Start • Aluminum Shell Construction • Comprehensive Safety Protections

Safety Systems

Overcurrent Protection, Overvoltage Protection, Current-Limiting Protection, Voltage-Limiting Protection, Water-Break Protection, Default Protection