

1-Ton Aluminum Induction Melting Furnace

This aluminum induction furnace is mainly used for melting aluminum and aluminum alloys. It features high melting efficiency, energy savings, good metal component uniformity, and easy temperature control.



Product Overview

High-Efficiency Aluminum Melting Solution

This 1-ton aluminum induction furnace is engineered for high-efficiency melting of aluminum and aluminum alloys. It combines advanced induction heating technology with a robust steel frame construction to ensure durability and consistent performance. Designed for industrial casting, it features rapid temperature rise, precise control, and energy-saving operation to minimize metal burning loss.

Technical Specifications

Rated Capacity	1 T
Rated Power	500 KW
Melting Rate	0.93 T/H
Melting Time	65 Minutes/batch
Operating Temperature	780

Electrical Requirements

Power Input Voltage	380 V
MF Output Voltage	1500 V
MF Frequency	0.4 KHZ
Transformer Capacity Required	630 KVA
Electricity Consumption	540 KWH/T

Operational Utilities

Water Cooling Consumption	17 T/H
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Features & Advantages

Key Advantages

- Constant power output for speedy melting
- Zero-voltage sweep-frequency start style
- Comprehensive protection systems (overcurrent, overvoltage, water-break)
- Easy operation suitable for various casting processes
- Durable and strong steel construction

Safety Features

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