

500kg Copper Melting Induction Furnace

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



Product Overview

High-Efficiency Copper Melting

This 500kg induction furnace is engineered for high-performance melting of copper and copper alloys. It features advanced constant power output technology for rapid melting and superior energy efficiency. Designed for industrial reliability, it includes comprehensive safety protections and is built to ensure consistent metal quality, reduced burn loss, and precise temperature control for various casting processes.

Technical Specifications

Performance Metrics

0.5 T Rated Capacity	350 KW Rated Power	0.7 T/H Melting Rate	43 min/batch Melting Time
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Electrical Requirements

Parameter	Value
Input Voltage	380V
MF Output Voltage	1500V
MF Frequency	1 KHZ
Transformer Capacity	400 KVA

Utility Consumption

Requirement	Value
Electricity Consumption	390 KWH/T
Water Cooling Consumption	8 T/H

Operational Features

Key Advantages

- Constant power output for speedy melting
- Zero-voltage sweep-frequency start for frequent operation
- Excellent metal component uniformity
- Reduced metal burning loss
- Rapid temperature rise with easy control
- Aluminum construction

Safety Protections

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

Model Number

GWT-0.5T-350KW/1S