

Electric Arc Furnace Transformer

The electric arc furnace transformer is designed to supply power to three-phase electric furnaces. It meets stringent electrical, magnetic, thermal, and mechanical demands, ensuring reliable power delivery.



Overview

High-Performance Arc Furnace Transformers

The HS series electric arc furnace transformers are engineered to provide reliable, high-current, low-voltage power supply for various industrial electric furnaces. Designed to withstand demanding electrical, magnetic, and thermal conditions, these units ensure optimal performance for steelmaking, smelting, and refining processes. Our transformers are built to meet the specific load and operating characteristics of arc, slag, electroslag, and induction furnaces, prioritizing energy efficiency and operational convenience.

Key Features

Suitable Applications

Electric Arc Furnace, Slag Furnace, Electroslag Furnace, Submerged Arc Furnace, Ferroalloy Furnace, Calcium Carbide Furnace, Phosphorus Furnace, Frequency Induction Furnace

Technical Data

Technical Specifications Table

Model	Capacity (kVA)	High Voltage (kV)	Connection	Gross Weight (kg)
HSJ-400/10	400	10	Yd11	2180
HSJ-630/10	630	10	Yd11	3700
HSJ-1800/10	1800	10	Yd11	3300
HSJ-2500/10	2500	10	Yd11	9500
HSJ-3000/10	3000	10	Yd11	10800
HSSP-4000/10	4000	10	Yd11	9980
HSSP-6300/10	6300	10	Dd0	18500
HSSP-7000/10	7000	10	Dd0	18000

Design & Construction

Cooling Methods

Forced Circulation • Natural Circulation • Water Cooling