



High Impedance Electric Plasma Arc Furnace Steel Low Current Operation

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month



Product Specification

- Type 1: 100% Scrap
- Type 2: Electric Arc Furnace
- Type 3: EAF30
- Type 4: EAF150
- Type 5: Ladle Furnace 15
- Type 6: LF250
- Highlight: eaf electric arc furnace, direct arc electric furnace

Product Description

Electric Arc Furnace EAF30 EAF150 Ladle furnace 15 LF250 100% scrap

EAF and LF

High Impedance Series EAF is used to produce common carbon steel, high quality carbon steel and alloy steel. The High Impedance Series EAF is suitable for 100% scrap operation, part-scrap part-molten steel operation, DRI and sponge iron.

Features:

High-voltage for secondary side Long-electric-arc, low-current operation can be achieved.
High power factor

Our Product Introduction

Water-cooled roof and furnace shell
Feeding from the roof & EBT
All hydraulic control for electrode , roof rotation, furnace-body tilting
HMI monitor system

Component facilities:

Furnace transformer, short net, electrode lifting setting, electrode arm, ladle cover and its lifting setting, main body, EBT, ladle, ladle car, water cooling system, compressed air system, hydraulic system, automatic feeding system, high voltage power supply system, low voltage electric control system, automatic system, etc.

Basic parameters for LF Ladle refining furnace

Furnace shell diameter (mm)	Capacity (t)	Transformer parameter	Molten steel heating time (/min)	Graphite electrode diameter (mm)	Diameter of electrode distribution (mm)
	Rated/Max	Rated capacity (MVA)			
2000	15/18	3	≥3	250	460
2500	20/30	4	≥3	250	460
2700	30/40	6	≥4	300	550
2900	40/50	8	≥4	300	550
3000	50/60	10	≥4	350	620

3150	60/70	12.5	≥4	350	620
3200	70/80	13.5	≥4	400	680
3300	80/90	14	≥4	400	680
3400	90/100	16	≥4	400	680
3600	100/115	18	≥4	450	740
3700	130/145	20	≥4	450	740
3900	150/170	25	≥4	450	740
4200	200/220	35	≥4	450	740
4400	250/270	40	≥4	500	810

MMI of EAF control system

Basic parameters of High Impedance Series EAF

Furnace shell diameter(mm)	Capacity (t)	Transformer parameter	Reactor capacity (Kvar)	Graphite electrode diameter (mm)
	Rated/Max	Rated capacity (MVA)		
4600/4800	30/45	25-32	7000	450
5400	60/70	45-55	9000-11000	500
5600	70/80	55-65	11000-13000	500

5800	75/85	60-70	12000-14000	500-550
6200	100/120	75-85	15000-17000	550-600
6400	1120/140	90-110	18000-22000	600-650
6800	150/170	120-130	24000-26000	650

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