

GW系列中频无芯感应熔炼炉

GW Series MF Coreless Induction Melting Furnace

产品介绍:

中频无芯感应熔炼炉主要用于钢、合金钢、铸铁等黑色金属材料以及不锈钢、铜、铝、锌等有色金属材料的熔炼。具有熔化效率高、节电效果好、金属成分均匀、烧损少、温升快、温度容易控制等特点。

Introduction

MF induction smelting furnace will mainly be used to smelt black metal materials, such as steel, alloy steel, casting iron, etc and nonferrous metal materials, such as stainless steel, copper, aluminum, zinc, etc. It features in high melting efficiency, perfect power-saving, homogeneous metal ingredients, little smelted loss, rapid temperature rising and easy to control.



10t 熔炼炉
10t Melting Furnace



框架结构熔炼炉
Steel Frame-type Furnace Body



卷筒结构熔炼炉
Drum-type Steel Furnace Body

熔炼设备组成部件

Components of the melting equipment

No	部件名称 Component Name	数量 Qty
1	KGPS系列中频电源 Series KGPS MF induction power supply	一台 One set
2	电容柜 Capacitor bank	一台 One set
3	熔炼炉体 (钢壳或者铝壳) Melting furnace body (Steel frame or aluminum frame)	二台 Two sets
4	机械倾炉装置 (或者液压倾炉装置) Mechanical furnace-tilting device / hydraulic furnace-tilting device)	一套 One set
5	水分配器 Water distributor	一套 One set
6	坩埚模 (或者石墨坩埚、铁坩埚) Crucible former (Graphite crucible, iron crucible)	一只 One set
7	水冷电缆 Water-cooled cable	两根 Two sets
8	备用控制板 Spare main control board	一块 One set

GW系列（并联型）中频无芯感应熔炼炉主要参数

Main Parameters of GW Series MF Coreless Induction Melting Furnace (Parallel Resonance)

型号 Model	额定容量 Rated capacity (t)	额定功率 Rated power (kW)	输入电压 Input voltage (V)	输入频率 Rated freq (kHz)	额定工作电压 Rated work-voltage (V)	熔钢 Melting steel			熔铁 Melting iron			水耗 Cooling water consumption (t/h)
						工作温度 Work-temp (°C)	耗电量 Power consumption (kWh/t)	熔炼率 Melting rate (t/h)	工作温度 Work-temp (°C)	耗电量 Power consumption (kWh/t)	熔炼率 Melting rate (t/h)	
GW0.15-100-1	0.15	100	380	1	700	1600	800	0.125	1450	780	0.13	6
GW0.25-160-1	0.25	160	380	1	700		780	0.22		730	0.22	8
GW0.5-250-1	0.5	250	380	1	1400		760	0.33		690	0.36	10
GW0.75-350-1	0.75	350	380	1	1400		730	0.48		670	0.52	10
GW1-500-1	1	500	380	1	1400		680	0.75		620	0.8	12
GW1.5-750-1	1.5	750	380	1	1400		650	1.15		590	1.3	20
GW2-1000-0.5	2	1000	660	0.5	2000		640	1.55		580	1.7	30
GW2-1500-0.5	2	1500	660	0.5	2000		630	2.2		550	2.7	35
GW3-1500-0.2	3	1500	660	0.5	2000		620	2.4		550	2.7	35
GW3-2000-0.5	3	2000	660	0.5	2000		610	3.2		550	3.6	45
GW3-2500-0.5	3	2500	660	0.5	2000		600	4.1		540	4.6	50
GW5-2500-0.5	5	2500	660	0.5	2000		600	4.1		540	4.6	60
GW5-3000-0.5	5	3000	660	0.5	2000		570			520	5.8	65
GW7-3000-0.2/0.5	7	3500	660	0.2~0.5	2000		585	5.2		535	5.6	70
GW7-3500-0.2/0.5	7	3500	660	0.2~0.5	2000	575	5.3	525	6.5	70		
GW8-4000-0.2/0.5	8	4000	660	0.2~0.5	2000	565	7.1	515	7.8	80		
GW8-5000-0.2/0.5	8	5000	950	0.2~0.5	3000	555	9	505	9.9	100		
GW10-5000-0.2/0.5	10	5000	950	0.2~0.5	3000	555	9	515	9.9	120		
GW10-6000-0.2/0.5	10	6000	950	0.2~0.5	3000	545	11	505	11.8	130		
GW12-6000-0.2/0.5	12	6000	950	0.2~0.5	3000	545	11	505	11.8	150		
GW12-8000-0.2/0.3	12	8000	950	0.2~0.3	3000	535	15	500	16	160		
GW15-8000-0.2/0.3	15	8000	950	0.2~0.3	3000	535	15	500	16	180		
GW20-10000-0.2	20	10000	950	0.2	3000	525	19	495	20	200		

GW-CL系列（串联型一拖二）中频无芯感应熔炼炉主要参数

Parameters of GW-CL Series Resonance MF Coreless Induction Melting Furnace (Dual-track)

型号 Model	额定容量 Rated capacity (t)	额定功率 Rated power (kW)	功率因数 Power factor	输入电压 Input voltage (V)	熔钢 Melting steel 1600℃		熔铁 Melting iron 1450℃		耗水量 Water consumption (t/h)
					熔炼率 Melting rate (t/h)	耗电量 Power consumption (kWh/t)	熔炼率 Melting rate (t/h)	耗电量 Power consumption (kWh/t)	
GWS1-750	1	750	95%	380	1.28	568	1.35	540	15
GWS2-1000	2	1000	95%	380	1.80	558	1.90	530	20
GWS2-1500	2	1500	95%	380	2.7	558	2.85	530	30
GWS2-2000	2	2000	95%	480	3.61	558	3.80	530	45
GWS3-1500	3	1500	95%	380	2.75	554	2.90	526	30
GWS3-2000	3	2000	95%	480	3.67	554	3.87	526	45
GWS3-2500	3	2500	95%	480	4.61	542	4.86	515	50
GWS5-2500	5	2500	95%	480	4.61	542	4.86	515	50
GWS5-3000	5	3000	95%	480	5.58	537	5.88	510	60
GWS5-3500	5	3500	95%	480	6.51	537	6.86	510	70
GWS8-4000	8	4000	95%	575	7.48	532	7.88	505	80
GWS8-5000	8	5000	95%	575	9.35	532	9.85	505	100
GWS8-6000	8	6000	95%	575	11.23	532	11.82	505	120
GWS10-5000	10	5000	95%	575	9.40	526	9.90	500	100
GWS10-6000	10	6000	95%	575	11.21	526	11.88	500	120
GWS10-8000	10	8000	95%	575	15.05	526	15.84	500	160
GWS12-6000	12	6000	95%	575	11.30	524	11.90	498	120
GWS12-8000	12	8000	95%	575	15.06	524	15.86	498	160
GWS15-8000	15	8000	95%	575	15.10	515	15.90	490	160
GWS15-9000	15	9000	95%	575	16.98	515	17.88	490	165
GWS20-10000	20	10000	95%	575	18.86	515	19.86	490	200
GWS20-12000	20	12000	95%	575	22.64	515	23.84	490	240