

KGPS中頻熔煉爐

Thyristor Induction Melting Furnace



性能特點

Equipment Main Features

- 1、采用零電壓掃描軟啟動方式，可以在任何狀態下，隨時啟動或停機，對電源無衝擊；
Scanning soft-start mode: using a zero-voltage to start, there's no impact on power supply in any case when start or stop the machine.
- 2、快速熔煉、生產成本低；污染小、符合環保要求；
High melting speed, low electricity consumption and no air pollution, it complies with environmental requirements.
- 3、可從冷爐直接起熔、溶液可全部倒空，更換熔料品種方便；
No need to warm up, materials can be put inside crucible melt directly. Molten material can be clean up after pouring out, so it is very easy to change other materials.
- 4、功率調節靈活、方便、能連續平滑的調節；溫度均勻易控制、氧化燒損少、金屬成份均勻；
Adjustment of power is very flexible and smooth, can be turned up and down constantly. Melting temperature is easily controlled, heating well-proportioned and less oxidizing burning loss.
- 5、爐殼采用鑄鋁合金或鋼殼結構，占地面積小；爐體翻轉傾倒方便，可根據需要選用電動、手動、液壓等傾爐方式。
The furnace adopts cast aluminum outer shell and steel main structure. Three styles for tilting furnace: manual tilting, electric tilting, and hydraulic tilting.
- 6、設計了逆變角自動調節電路，可以自動調節負載阻抗的匹配，無需調節補償電容量而始終使設備運行在良好的工作狀態；供電系統有診斷錯誤的功能，容易檢修。
Designed and achieved a New Type of Phase-locked Trigger Control Circuit for SCR Inverter, it can automatically adjust and match for load impedance, so the machine can work well all the time without adjustment of compensation capacitor. There is also a function for checking power supply system, very easy to be repaired when malfunction occurs.

額定容量 Rated capacity	額定功率 Rated power	輸入電壓 Input voltage	推薦變壓器 Transformer Recommended	輸出電壓 Output Voltage	輸出振蕩頻率 Output Frequency	熔化時間 Melting time	耗電量 Power consumption (steel)	耗電量 Power consumption (cast iron)	耗電量 Power consumption (copper)	耗電量 Power consumption (aluminum)	耗電量 Water consumption
KG	KW	V	KVA	V	KHZ	Min	Kw. h/T	Kw. h/T	Kw. h/T	Kw. h/T	T/h
10-50	50	380	60	750	1	20-60	900	850	500	780	3
100	100	380	120	750	1	20-60	850	800	500	750	5
150	100	380	120	750	1	30-70	850	800	500	750	5
250	130	380	150	750	1	30-70	800	750	490	710	7
350	180	380	200	750	1	30-70	750	700	480	670	8
500	250	380	315	750	1	30-70	700	650	480	620	10
750	450	380	500	1500	1	40-80	650	630	400	600	15
1000	600	380-2	800	2500	0.8	50-90	620	610	390	570	18
1500	1000	380-2	1500	2500	0.8	50-90	600	580	380	540	25
2000	1250	380-2	1800	2500	0.7	50-90	580	570	360	520	28
3000	1500	380-2	2000	2500	0.7	60-100	570	560	330	500	35
5000	2500	660-2	3500	3500	0.5	60-100	560	550	310	500	43