SPECIFICATION

HAIFEI INTELLIGENT EQUIPMENT CO. LTD

Mid Frequency Diffusion Welder for Copper **Model: HFTD-150-Y** 1 set

	Part Name	Description	Brand / Model No.	Quantity
Power Supplies				
1	Mid Frequency Transformer	Max.short cut current 42KA	TD-150 HAIFEI, China	1 set
PLC controller				
3	PLC controller	Digital control circuit	Japan	1 set
		Touch Screen	Flexem, China	1 set
		Circuit breaker, air switch	Schneider, France	1 set
4	Inverse circuit	Medium frequency switch	IGBT Japan	2 sets
		Semi-control rectification	SCR Semikron, Germany	4 sets
		Welding capacitor	Japan	4 sets
		80% of the other components come from international brands		
5	Welding loop parts	copper strip and the copper plate, etc		1 set
6	Upper and bottom welding platform	high quality copper material, precisely machined		1 set
7	Cooling water circuit and protection circuit Water cooling	Water flow switch	CATO, China	1 set
	The water flow switch is installed in the total circuit of water cooling system. If cooling water flow is insufficient, the controller will automatically give alarm and shut down.			
8	Infrared temperature detection system			1 set
9	Body frame	High strengh thick steel plates		1 set
10	Down-to-earth switch			1 set
11	Welding Consumables Graphite block			1 set

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Mid Frequency Diffusion Welder for Copper
HFTD-150-Y
The picture is only for reference.

Main Parameters

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Main Parameters		
1	Part Name	**Mid Frequency Diffusion Welder for Copper**
2	Model	**HFTD-150-Y**
3	Rated capacity	150KVA
4	Rated duty cycle	50%
5	Input power	380V±10% 50HZ 3 phases
6	Primary input current Max.	200A
7	Primary cable	3*30+2*16 mm2
8	Secondary short-circuit current Max.	40KA
9	Secondary empty voltage	7.5 - 9.7V
10	Transformer insulation grade	Grade F
11	Cooling water demand	0.2～0.3MPa,40 micron filtration, Resistivity of 5 kΩ. cm
12	Cooling water flow rate	50 L/min water temperature ≤30℃
13	Air liquid booster cylinder diameter	Ø160*120mm
14	Working pressure Max.	100KN
15	Throat depth	320mm
16	**Maximum welding area**	**60*60*mm stack thickness 20mm**
17	Working environment	temperature: 1～45℃ humidity: 20～80％RH