



Induction coreless furnaces for melting and superheating of steel and iron

Technical data

Indexes	Furnaces type			
	ИСТ-0,16/0,32	ИСТ-0,25/0,32	ИСТ-0,4/0,32	ИСТ-1/0,8
Furnace capacity by steel, t	0,16	0,25	0,4	1,0
Power of: Energizing converter, kW	250/320	250/320	250/320	630/800
at input, kV·A	до 450	до 450	до 450	до 1000
Nominal melting rate, t/h	0,20	0,22	0,28	0,77
Nominal control current, A	3000 ⁺⁷⁰	3000 ⁺⁷⁰	5000 ⁺¹⁰⁰	10000 ⁺¹⁵⁰
Special power consumption for melting and superheating, kW/h	630...790	630...790	600...650	600...700
Average water consumption for cooling, m ³ /g				
of inductor and cables	2,0	2,5	2,9	3,12
of capacitor bank	0,6	0,6	0,75	1,08
of converter	2,4	2,4	2,4	3,0
Heat release, kkal/h:				
from furnace	4000	6000	8000	13000
from contour circuit	2000	3000	6000	28000
Area occupied by the item, m ²	15	15	25	90
Furnace (complex) mass, t	4,45	4,45	5,0	13,0
Cost of basic equipment, USD	38000	40000	45000	90000
Cost of start-adjusting works, USD	5700	6000	6750	13500

