



Wires: 2 x light blue
primary thermoswitch 140° C.

Wires: 2 x black
secondary thermoswitch 80° C.

Wires: 1 x brown; 1 x white—secondary toroid coil
measuring voltage $U_m = 150\text{mV/KVA} \pm 1\%$
at 1 kΩ ohmic resistance.

Earthing: If the earth connection will be disconnected, another suitable kind of protective measure is to be installed.
The disconnected earth connection is to be insulated.

type:	primary voltage *	frequency	primary constant current	short circuit values @ 50Hz			thermal time constant	duty factor	code
	U_{1N} [V]	f [Hz]	I_{1P} [A]	voltage U_k [%]	power factor $\cos \varphi_k$	current I_{2cc} [KA]	T [s]	X [%]	
ITF J 103-380/13.5									
ITF J 103-415/13.5	415	50	175 ¹⁾	9.22	0.93	68		20	
ITF J 103-440/13.5									
ITF J 103-500/13.5									
ITF J 103-550/13.5									
secondary voltage U_{20} [V]		13.5	mass, m [Kg]			55	1) according to ISO 10656		
sec.nom.current I_{2N} [KA] 50% ED		7.6 ¹⁾	quantity of cooling water: [l/min]		min. 4		Resistance Welding Transformer $S_n: 103^{1)}$ kVA at 50% ED		
cont.sec.current I_{2P} [KA] 100% ED		5.4 ¹⁾	pressure difference: [bar]		max. 0.6				
continious output S_p [KVA] 100% ED		73.0 ¹⁾	colour RAL 8001 brown						
protection class		insulation class	Tel.: +44-1483-534 634			1998	name	date	issue 6
transformer	prim.terminal box		Fax: +44-1483-573 624			Drawn			
IP 65	IP 00		e-mail isomatic @ isomatic.com. www.isomatic.com.			Checked			

* Other primary voltages available on request.

