



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=150mV/KA ±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 I _{1P} [A]	short circuit values @ 50Hz			thermal time constant T [s]	duty factor X [%]	code
	U _{1N} [V]	f [Hz]		voltage U _k [%]	power factor cos φ _k	current I _{2cc} [KA]			
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						
continous output S _p [KVA] 100% ED		73.0 ¹⁾	colour RAL 8001 brown						
protection class		insulation class	BICESTER, 2 WEDGWOOD ROAD OXON OX26 4UL			1998	name	date	issue 6
transformer	prim.terminal box		Tel.:(+44) 01869 253688			Drawn			pw Portable Welders
IP 65	IP 00	F	Fax: (+44) 01869 240249			Checked			

* Other primary voltages available on request.