



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  $U_m = 150\text{mV}/\text{kA} \pm 1\%$   
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 $I_{1P}$ [A]	short circuit values @ 50Hz			thermal time constant T [s]	duty factor X [%]	code
	$U_{1N}$ [V]	f [Hz]		voltage $U_k$ [%]	power factor $\cos \varphi_k$	current $I_{2cc}$ [kA]			
ITF J 76-380/10.0	380	50/60	141 <sup>1)</sup>	8.85	0.89	61.4		20	
ITF J 76-400/10.0	400	50/60	134 <sup>1)</sup>	9.0	0.89	61		20	
ITF J 76-415/10.0	415	50/60	129 <sup>1)</sup>	8.7	0.91	63		20	
ITF J 76-440/10.0									
ITF J 76-500/10.0									
secondary voltage $U_{20}$ [V]		10.0	mass, m [Kg]	40	1) according to ISO 10656				
sec.nom.current $I_{2N}$ [kA] 50% ED	7.6 <sup>1)</sup>	quantity of cooling water: [l/min]	min. 4		Resistance Welding Transformer $S_n: 76^1)$ kVA at 50% ED				
cont.sec.current $I_{2P}$ [kA] 100% ED	5.4 <sup>1)</sup>	pressure difference: [bar]	max. 0.6						
continuous output $S_p$ [kVA] 100% ED	53.7 <sup>1)</sup>	colour RAL 1004 yellow							
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			
IP 65	IP 00	F	Fax:(+44) 01869 240249			Checked			<b>pw</b> Portable Welders

\* Other primary voltages available on request.