Declaration of Performance

No. 082 30052018

CARSINGTON 1090MM

Unique Product Code:	**TCR009**
Type, batch or serial number:	**TCR009-1090**
Intended use of the construction product:	Heat emitters for central heating systems to be supplied with hot water or steam below 120°C from a remote heat source.
Manufacturer:	Jig UK Ltd, Hurlingham Business Park, Fulbeck Heath, Grantham NG32 3HL
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA, Bracknell, Berkshire, RG12 7AH (0480)
Test report number:	**60739A2PS**

Declared Performance

Essential Characteristics	Performance	Harmonized Technical Specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 x maximum operating pressure [kPa]	
Surface temperature	Maximum 120°C	
Resistance to pressure	No breakage at 1.69 x maximum operating pressure [kPa]. Maximum operating pressure: 550 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\Phi = Km \cdot \Delta T^n$ See appendix for factor Km and exponent n	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact	Class 0	

Signed for and on behalf of the manufacturer by:

Brian Athey
Managing Director
Dated: 11/11/2026

APPENDIX 1 - Dimensions and Thermal Outputs

SKU	Sections	Length (inc. bushes)	BTU's (ΔT 30°)	Watts (ΔT 30°)	BTU's (ΔT 50°)	Watts (ΔT 50°)	Factor, Km	Exponent, n
TCR009-1090-03	3	229mm	464	136	887	260	1.8201	1.2683
TCR009-1090-04	4	294mm	618	181	1184	347	2.4268	1.2683
TCR009-1090-05	5	359mm	775	227	1481	434	3.0335	1.2683
TCR009-1090-06	6	424mm	928	272	1774	520	3.6402	1.2683
TCR009-1090-07	7	489mm	1082	317	2071	607	4.2469	1.2683
TCR009-1090-08	8	554mm	1235	362	2368	694	4.8536	1.2683
TCR009-1090-09	9	619mm	1392	408	2661	780	5.4603	1.2683
TCR009-1090-10	10	684mm	1546	453	2958	867	6.067	1.2683
TCR009-1090-11	11	749mm	1699	498	3255	954	6.6737	1.2683
TCR009-1090-12	12	814mm	1856	544	3549	1040	7.2804	1.2683
TCR009-1090-13	13	879mm	2010	589	3845	1127	7.8871	1.2683
TCR009-1090-14	14	944mm	2163	634	4142	1214	8.4938	1.2683
TCR009-1090-15	15	1009mm	2320	680	4439	1301	9.1005	1.2683
TCR009-1090-16	16	1074mm	2474	725	4733	1387	9.7072	1.2683
TCR009-1090-17	17	1139mm	2627	770	5029	1474	10.3139	1.2683
TCR009-1090-18	18	1204mm	2781	815	5326	1561	10.9206	1.2683
TCR009-1090-19	19	1269mm	2938	861	5620	1647	11.5273	1.2683
TCR009-1090-20	20	1334mm	3091	906	5917	1734	12.134	1.2683
TCR009-1090-21	21	1399mm	3245	951	6214	1821	12.7407	1.2683
TCR009-1090-22	22	1464mm	3402	997	6507	1907	13.3474	1.2683
TCR009-1090-23	23	1529mm	3555	1042	6804	1994	13.9541	1.2683
TCR009-1090-24	24	1594mm	3709	1087	7101	2081	14.5608	1.2683
TCR009-1090-25	25	1659mm	3866	1133	7398	2168	15.1675	1.2683
TCR009-1090-26	26	1724mm	4020	1178	7691	2254	15.7742	1.2683
TCR009-1090-27	27	1789mm	4173	1223	7988	2341	16.3809	1.2683
TCR009-1090-28	28	1854mm	4327	1268	8285	2428	16.9876	1.2683
TCR009-1090-29	29	1919mm	4484	1314	8578	2514	17.5943	1.2683
TCR009-1090-30	30	1984mm	4637	1359	8875	2601	18.201	1.2683