Declaration of Performance

No. 046 09032017

DRAGONFLYS 790MM

Unique Product Code:	**TBK046/047**
Type, batch or serial number:	**TBK046/047-790**
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:	**59949A13PS**

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
TBK046/047-790-03	3	289mm	744	218	1392	408	3.3816	1.2243
TBK046/047-790-04	4	374mm	990	290	1856	544	4.5088	1.2243
TBK046/047-790-05	5	459mm	1239	363	2320	680	5.636	1.2243
TBK046/047-790-06	6	544mm	1484	435	2784	816	6.7632	1.2243
TBK046/047-790-07	7	629mm	1733	508	3248	952	7.8904	1.2243
TBK046/047-790-08	8	714mm	1979	580	3712	1088	9.0176	1.2243
TBK046/047-790-09	9	799mm	2228	653	4176	1224	10.1448	1.2243
TBK046/047-790-10	10	884mm	2474	725	4641	1360	11.272	1.2243
TBK046/047-790-11	11	969mm	2723	798	5105	1496	12.3992	1.2243
TBK046/047-790-12	12	1054mm	2969	870	5569	1632	13.5264	1.2243
TBK046/047-790-13	13	1139mm	3218	943	6033	1768	14.6536	1.2243
TBK046/047-790-14	14	1224mm	3463	1015	6497	1904	15.7808	1.2243
TBK046/047-790-15	15	1309mm	3712	1088	6961	2040	16.908	1.2243
TBK046/047-790-16	16	1394mm	3958	1160	7425	2176	18.0352	1.2243
TBK046/047-790-17	17	1479mm	4207	1233	7889	2312	19.1624	1.2243
TBK046/047-790-18	18	1564mm	4453	1305	8353	2448	20.2896	1.2243
TBK046/047-790-19	19	1649mm	4702	1378	8817	2584	21.4168	1.2243
TBK046/047-790-20	20	1734mm	4948	1450	9281	2720	22.544	1.2243
TBK046/047-790-21	21	1819mm	5197	1523	9745	2856	23.6712	1.2243
TBK046/047-790-22	22	1904mm	5442	1595	10209	2992	24.7984	1.2243
TBK046/047-790-23	23	1989mm	5691	1668	10673	3128	25.9256	1.2243
TBK046/047-790-24	24	2074mm	5937	1740	11137	3264	27.0528	1.2243
TBK046/047-790-25	25	2159mm	6186	1813	11601	3400	28.18	1.2243
TBK046/047-790-26	26	2244mm	6432	1885	12065	3536	29.3072	1.2243
TBK046/047-790-27	27	2329mm	6681	1958	12529	3672	30.4344	1.2243
TBK046/047-790-28	28	2414mm	6927	2030	12993	3808	31.5616	1.2243
TBK046/047-790-29	29	2499mm	7176	2103	13457	3944	32.6888	1.2243
TBK046/047-790-30	30	2584mm	7421	2175	13922	4080	33.816	1.2243