Declaration of Performance

No. 053 09032017

LIBERTY 2 COL 865MM

Unique Product Code:	**TBK042/043**
Type, batch or serial number:	**TBK042/043-865**
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:	**59949A28PS**

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)	$Ø = Km \cdot \Delta T^n$ 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
TBK042/043-865-03	3	277mm	816	239	1607	471	2.5582615	1.3339
TBK042/043-865-04	4	358mm	1085	318	2143	628	3.4110154	1.3339
TBK042/043-865-05	5	439mm	1358	398	2679	785	4.2637692	1.3339
TBK042/043-865-06	6	520mm	1631	478	3214	942	5.1165231	1.3339
TBK042/043-865-07	7	601mm	1901	557	3750	1099	5.9692769	1.3339
TBK042/043-865-08	8	682mm	2174	637	4286	1256	6.8220308	1.3339
TBK042/043-865-09	9	763mm	2447	717	4821	1413	7.6747846	1.3339
TBK042/043-865-10	10	844mm	2716	796	5357	1570	8.5275385	1.3339
TBK042/043-865-11	11	925mm	2989	876	5893	1727	9.3802923	1.3339
TBK042/043-865-12	12	1006mm	3259	955	6428	1884	10.233046	1.3339
TBK042/043-865-13	13	1087mm	3532	1035	6964	2041	11.0858	1.3339
TBK042/043-865-14	14	1168mm	3805	1115	7500	2198	11.938554	1.3339
TBK042/043-865-15	15	1249mm	4074	1194	8036	2355	12.791308	1.3339
TBK042/043-865-16	16	1330mm	4347	1274	8571	2512	13.644062	1.3339
TBK042/043-865-17	17	1411mm	4620	1354	9107	2669	14.496815	1.3339
TBK042/043-865-18	18	1492mm	4890	1433	9643	2826	15.349569	1.3339
TBK042/043-865-19	19	1573mm	5163	1513	10178	2983	16.202323	1.3339
TBK042/043-865-20	20	1654mm	5432	1592	10714	3140	17.055077	1.3339
TBK042/043-865-21	21	1735mm	5705	1672	11250	3297	17.907831	1.3339
TBK042/043-865-22	22	1816mm	5978	1752	11786	3454	18.760585	1.3339
TBK042/043-865-23	23	1897mm	6248	1831	12321	3611	19.613338	1.3339
TBK042/043-865-24	24	1978mm	6521	1911	12857	3768	20.466092	1.3339
TBK042/043-865-25	25	2059mm	6794	1991	13393	3925	21.318846	1.3339
TBK042/043-865-26	26	2140mm	7063	2070	13928	4082	22.1716	1.3339
TBK042/043-865-27	27	2221mm	7336	2150	14464	4239	23.024354	1.3339
TBK042/043-865-28	28	2302mm	7606	2229	15000	4396	23.877108	1.3339
TBK042/043-865-29	29	2383mm	7879	2309	15535	4553	24.729862	1.3339
TBK042/043-865-30	30	2464mm	8152	2389	16071	4710	25.582615	1.3339