Declaration of Performance

No. 035 09032017

PRINCESS 1 COLUMN 610MM

Unique Product Code:	**TBK104/105**
Type, batch or serial number:	**TBK104/105-610**
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:	**52649A7AR**

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
TBK104/105-610-03	3	259mm	365	107	676	198	1.77344	1.2063
TBK104/105-610-04	4	334mm	488	143	901	264	2.3645867	1.2063
TBK104/105-610-05	5	409mm	611	179	1126	330	2.9557333	1.2063
TBK104/105-610-06	6	484mm	730	214	1351	396	3.54688	1.2063
TBK104/105-610-07	7	559mm	853	250	1576	462	4.1380267	1.2063
TBK104/105-610-08	8	634mm	976	286	1802	528	4.7291733	1.2063
TBK104/105-610-09	9	709mm	1099	322	2027	594	5.32032	1.2063
TBK104/105-610-10	10	784mm	1218	357	2252	660	5.9114667	1.2063
TBK104/105-610-11	11	859mm	1341	393	2477	726	6.5026133	1.2063
TBK104/105-610-12	12	934mm	1464	429	2702	792	7.09376	1.2063
TBK104/105-610-13	13	1009mm	1583	464	2928	858	7.6849067	1.2063
TBK104/105-610-14	14	1084mm	1706	500	3153	924	8.2760533	1.2063
TBK104/105-610-15	15	1159mm	1829	536	3378	990	8.8672	1.2063
TBK104/105-610-16	16	1234mm	1952	572	3603	1056	9.4583467	1.2063
TBK104/105-610-17	17	1309mm	2071	607	3828	1122	10.049493	1.2063
TBK104/105-610-18	18	1384mm	2194	643	4054	1188	10.64064	1.2063
TBK104/105-610-19	19	1459mm	2317	679	4279	1254	11.231787	1.2063
TBK104/105-610-20	20	1534mm	2440	715	4504	1320	11.822933	1.2063
TBK104/105-610-21	21	1609mm	2559	750	4729	1386	12.41408	1.2063
TBK104/105-610-22	22	1684mm	2682	786	4954	1452	13.005227	1.2063
TBK104/105-610-23	23	1759mm	2805	822	5180	1518	13.596373	1.2063
TBK104/105-610-24	24	1834mm	2928	858	5405	1584	14.18752	1.2063
TBK104/105-610-25	25	1909mm	3047	893	5630	1650	14.778667	1.2063
TBK104/105-610-26	26	1984mm	3170	929	5855	1716	15.369813	1.2063
TBK104/105-610-27	27	2059mm	3293	965	6080	1782	15.96096	1.2063
TBK104/105-610-28	28	2134mm	3412	1000	6306	1848	16.552107	1.2063
TBK104/105-610-29	29	2209mm	3535	1036	6531	1914	17.143253	1.2063
TBK104/105-610-30	30	2284mm	3658	1072	6756	1980	17.7344	1.2063