Declaration of Performance

No. 033 09032017

DUCHESS 4 COLUMN 330MM

Unique Product Code:	**TBK124/125**
Type, batch or serial number:	**TBK124/125-330**
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:	**59949A21PS**

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
TBK124/125-330-03	3	259mm	461	135	860	252	2.1637071	1.216
TBK124/125-330-04	4	334mm	614	180	1146	336	2.8849429	1.216
TBK124/125-330-05	5	409mm	768	225	1433	420	3.6061786	1.216
TBK124/125-330-06	6	484mm	921	270	1720	504	4.3274143	1.216
TBK124/125-330-07	7	559mm	1075	315	2006	588	5.04865	1.216
TBK124/125-330-08	8	634mm	1232	361	2293	672	5.7698857	1.216
TBK124/125-330-09	9	709mm	1385	406	2580	756	6.4911214	1.216
TBK124/125-330-10	10	784mm	1539	451	2866	840	7.2123571	1.216
TBK124/125-330-11	11	859mm	1692	496	3153	924	7.9335929	1.216
TBK124/125-330-12	12	934mm	1846	541	3439	1008	8.6548286	1.216
TBK124/125-330-13	13	1009mm	2000	586	3726	1092	9.3760643	1.216
TBK124/125-330-14	14	1084mm	2153	631	4013	1176	10.0973	1.216
TBK124/125-330-15	15	1159mm	2307	676	4299	1260	10.818536	1.216
TBK124/125-330-16	16	1234mm	2460	721	4586	1344	11.539771	1.216
TBK124/125-330-17	17	1309mm	2614	766	4873	1428	12.261007	1.216
TBK124/125-330-18	18	1384mm	2767	811	5159	1512	12.982243	1.216
TBK124/125-330-19	19	1459mm	2921	856	5446	1596	13.703479	1.216
TBK124/125-330-20	20	1534mm	3074	901	5732	1680	14.424714	1.216
TBK124/125-330-21	21	1609mm	3228	946	6019	1764	15.14595	1.216
TBK124/125-330-22	22	1684mm	3385	992	6306	1848	15.867186	1.216
TBK124/125-330-23	23	1759mm	3538	1037	6592	1932	16.588421	1.216
TBK124/125-330-24	24	1834mm	3692	1082	6879	2016	17.309657	1.216
TBK124/125-330-25	25	1909mm	3845	1127	7165	2100	18.030893	1.216
TBK124/125-330-26	26	1984mm	3999	1172	7452	2184	18.752129	1.216
TBK124/125-330-27	27	2059mm	4153	1217	7739	2268	19.473364	1.216
TBK124/125-330-28	28	2134mm	4306	1262	8025	2352	20.1946	1.216
TBK124/125-330-29	29	2209mm	4460	1307	8312	2436	20.915836	1.216
TBK124/125-330-30	30	2284mm	4613	1352	8599	2520	21.637071	1.216