The Radiator Company

Declaration of Performance

DOP No. Z4-9.3920/1

1. *Unique identification code of the product type:*

Ellipsis Single Horizontal

2. *Serial Number:*

"ELLISHXXXXXX"

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacturer:*

IRSAP UK
Units 13-14 Charlwoods Road
East Grinstead
West Sussex
RH19 2HU
www.irsap.co.uk

5. *System/Systems of AVCP:*

System 3

6. *Notified Body/Bodies:*

Istituto Giordano S.P.A.
Via Gioacchino Rossini
2, 47814 Bellaria (RN)
Italy

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The Radiator Company

7. *Declared Performance:*

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximum working pressure	4 Bar	
Pressure tightness	No Leakage at 5.2 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 6.8 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K_M & ^{n} see table 1	

The Radiator Company is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 302250 | email: sales@theradiatorcompany.co.uk | Web: www.theradiatorcompany.co.uk

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The Radiator Company

Table 1:

Height (mm)	Width (mm)	Code	Output ΔT=50°C (watts)	Output ΔT=30°C (Watts)	Coefficient K_M	Exponent n
300	520	ELLISH305205	140	75	1.15549	1.22625
300	650	ELLISH306505	181	97	1.49471	1.22625
300	700	ELLISH307005	197	105	1.62842	1.22625
300	920	ELLISH309205	270	145	2.23175	1.22625
300	1020	ELLISH301005	305	163	2.51402	1.22625
300	1220	ELLISH301205	375	200	3.09093	1.22625
300	1520	ELLISH301505	483	258	3.98396	1.22625
300	1820	ELLISH301805	594	318	4.90423	1.22625
300	2020	ELLISH302005	670	358	5.53067	1.22625
420	1020	ELLISH421007	193	104	1.72415	1.20575
420	1220	ELLISH421207	249	135	2.23030	1.20575
420	1520	ELLISH421507	272	147	2.42972	1.20575
480	520	ELLISH485208	372	201	3.33025	1.20575
480	650	ELLISH486508	420	227	3.75145	1.20575
480	700	ELLISH487008	516	279	4.61263	1.20575
480	920	ELLISH489208	665	359	5.94508	1.20575
480	1020	ELLISH481008	818	442	7.31868	1.20575
480	1220	ELLISH481208	923	499	8.25408	1.20575
480	1520	ELLISH481508	220	119	2.04322	1.19550
480	1820	ELLISH481808	284	154	2.64269	1.19550
480	2020	ELLISH482008	309	168	2.87913	1.19550
540	520	ELLISH545209	424	230	3.94589	1.19550
540	650	ELLISH546509	478	259	4.44483	1.19550
540	700	ELLISH547009	587	319	5.46504	1.19550
540	920	ELLISH549209	757	411	7.04284	1.19550
540	1020	ELLISH541009	931	506	8.66997	1.19550
540	1220	ELLISH541209	1051	570	9.77862	1.19550
540	1520	ELLISH541509	246	134	2.38649	1.18525
540	1820	ELLISH541809	319	174	3.08800	1.18525
540	2020	ELLISH542009	347	189	3.36318	1.18525
600	650	ELLISH606510	476	260	4.61021	1.18525
600	700	ELLISH607010	536	293	5.19351	1.18525
600	920	ELLISH609210	659	360	6.38530	1.18525
600	1020	ELLISH601010	849	464	8.22919	1.18525
600	1220	ELLISH601210	1046	571	10.13024	1.18525
600	1520	ELLISH601510	1179	644	11.42571	1.18525
600	1820	ELLISH601810	274	150	2.75847	1.17500
600	2020	ELLISH602010	354	194	3.56836	1.17500

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720	650	ELLISH726512	329	182	3.59311	1.15450
720	700	ELLISH727012	425	236	4.64875	1.15450
720	920	ELLISH729212	463	257	5.06292	1.15450
720	1020	ELLISH721012	635	352	6.94035	1.15450
720	1220	ELLISH721212	715	397	7.81786	1.15450
720	1520	ELLISH721512	880	488	9.61223	1.15450
720	1820	ELLISH721812	1134	629	12.38794	1.15450
720	2020	ELLISH722012	1396	774	15.24997	1.15450
900	650	ELLISH906515	1574	873	17.19952	1.15450
900	700	ELLISH907015	415	231	4.72556	1.14374
900	920	ELLISH909215	536	299	6.11269	1.14374
900	1020	ELLISH901015	584	326	6.65864	1.14374
900	1220	ELLISH901215	801	446	9.12743	1.14374
900	1520	ELLISH901515	902	503	10.28089	1.14374
900	1820	ELLISH901815	1109	618	12.64026	1.14374
900	2020	ELLISH902015	1429	797	16.29100	1.14374

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Andrew Phillips



Managing Director
January 2020

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The Radiator Company

Declaration of Performance

DOP No. Z4-9.4920/1

1. *Unique identification code of the product type:*

Ellipsis Double Horizontal

2. *Serial Number:*

"ELLIDHXXXXXX"

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacturer:*

IRSAP UK
Units 13-14 Charlwoods Road
East Grinstead
West Sussex
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5. *System/Systems of AVCP:*

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The Radiator Company

7. *Declared Performance:*

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximum working pressure	4 Bar	
Pressure tightness	No Leakage at 5.2 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 6.8 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K_M & ^{n} see table 1	

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Table 1:

Height	Width	Code	Output ΔT=50°C	Output ΔT=30°C	Coefficient K_M	Exponent n
(mm)	(mm)		(watts)	(Watts)		
300	520	ELLIDH305205	162	554	1.011511	1.29805
300	650	ELLIDH306505	219	746	1.363015	1.29805
300	700	ELLIDH307005	242	824	1.505113	1.29805
300	920	ELLIDH309205	348	1187	2.168859	1.29805
300	1020	ELLIDH301005	399	1363	2.489201	1.29805
300	1220	ELLIDH301205	507	1731	3.162295	1.29805
300	1520	ELLIDH301505	681	2323	4.242985	1.29805
300	1820	ELLIDH301805	866	2955	5.398463	1.29805
300	2020	ELLIDH302005	996	3397	6.205553	1.29805
420	1020	ELLIDH421007	229	780	1.837305	1.23315
420	1220	ELLIDH421207	308	1052	2.475984	1.23315
420	1520	ELLIDH421507	340	1161	2.733865	1.23315
480	520	ELLIDH485208	490	1673	3.939722	1.23315
480	650	ELLIDH486508	563	1921	4.522165	1.23315
480	700	ELLIDH487008	715	2440	5.744893	1.23315
480	920	ELLIDH489208	960	3274	7.708327	1.23315
480	1020	ELLIDH481008	1221	4165	9.806727	1.23315
480	1220	ELLIDH481208	1403	4788	**11.27288**	**1.23315**
480	1520	ELLIDH481508	263	897	2.397022	1.2007
480	1820	ELLIDH481808	354	1209	3.23069	1.2007
480	2020	ELLIDH482008	391	1334	3.567258	1.2007
540	520	ELLIDH545209	564	1923	5.139734	1.2007
540	650	ELLIDH546509	647	2207	5.900433	1.2007
540	700	ELLIDH547009	822	2804	7.495711	1.2007
540	920	ELLIDH549209	1103	3762	10.05691	1.2007
540	1020	ELLIDH541009	1403	4786	12.79506	1.2007
540	1220	ELLIDH541209	1613	5502	14.70776	1.2007
540	1520	ELLIDH541509	298	1015	3.081848	1.16825
540	1820	ELLIDH541809	401	1369	4.15366	1.16825
540	2020	ELLIDH542009	443	1511	4.585492	1.16825
600	650	ELLIDH606510	638	2177	6.607954	1.16825
600	700	ELLIDH607010	733	2499	7.58553	1.16825
600	920	ELLIDH609210	931	3175	9.636988	1.16825
600	1020	ELLIDH601010	1249	4260	12.92906	1.16825
600	1220	ELLIDH601210	1588	5420	16.44895	1.16825
600	1520	ELLIDH601510	1826	6230	18.90946	1.16825
600	1820	ELLIDH601810	333	1137	3.916377	1.1358
600	2020	ELLIDH602010	449	1532	5.27788	1.1358

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720	650	ELLIDH726512	406	1386	6.157719	1.0709
720	700	ELLIDH727012	548	1868	8.299204	1.0709
720	920	ELLIDH729212	605	2063	9.163073	1.0709
720	1020	ELLIDH721012	871	2973	13.20356	1.0709
720	1220	ELLIDH721212	1000	3412	15.15711	1.0709
720	1520	ELLIDH721512	1271	4335	19.25518	1.0709
720	1820	ELLIDH721812	1705	5816	25.83423	1.0709
720	2020	ELLIDH722012	2169	7399	32.86643	1.0709
900	650	ELLIDH906515	2493	8506	37.7829	1.0709
900	700	ELLIDH907015	522	1782	9.52108	1.02365
900	920	ELLIDH909215	704	2401	12.8303	1.02365
900	1020	ELLIDH901015	777	2651	14.16675	1.02365
900	1220	ELLIDH901215	1120	3820	20.41508	1.02365
900	1520	ELLIDH901515	1285	4385	23.4344	1.02365
900	1820	ELLIDH901815	1633	5571	29.77206	1.02365
900	2020	ELLIDH902015	2191	7475	39.94223	1.02365

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Andrew Phillips



Managing Director
January 2020

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