



The Radiator Company

Declaration of Performance

DOP No. Z4-9.5920/1

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

Ellipsis Single Vertical

2. *Serial Number:*

"ELLISVXXXXXX"

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacture:*

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**

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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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 $\Delta T=50^{\circ}\text{C}$	Output $\Delta T=30^{\circ}\text{C}$	Coefficient K_M	Exponent n
(mm)	(mm)		(watts)	(Watts)		
520	300	ELLISV523005	187	97	1.2507	1.280
520	480	ELLISV524808	298	155	1.9931	1.280
520	540	ELLISV525409	336	175	2.2473	1.280
520	600	ELLISV526010	373	194	2.4948	1.280
520	720	ELLISV527212	448	233	2.9964	1.280
650	300	ELLISV653005	233	120	1.4696	1.295
650	480	ELLISV654808	372	192	2.3463	1.295
650	540	ELLISV655409	419	216	2.6427	1.295
650	600	ELLISV656010	465	240	2.9328	1.295
650	720	ELLISV657212	558	288	3.5194	1.295
700	300	ELLISV703005	252	130	1.5894	1.295
700	480	ELLISV704808	402	207	2.5355	1.295
700	540	ELLISV705409	453	233	2.8571	1.295
700	600	ELLISV706010	503	259	3.1725	1.295
700	720	ELLISV707212	604	311	3.8095	1.295
920	240	ELLISV922404	261	133	1.5282	1.314
920	300	ELLISV923005	327	167	1.9147	1.314
920	480	ELLISV924808	522	266	3.0565	1.314
920	540	ELLISV925409	588	300	3.4430	1.314
920	600	ELLISV926010	653	333	3.8235	1.314
920	720	ELLISV927212	784	400	4.5906	1.314
920	840	ELLISV928414	914	466	5.3518	1.314
1020	240	ELLISV102404	288	147	1.6863	1.314
1020	300	ELLISV103005	360	184	2.1079	1.314
1020	480	ELLISV104808	576	294	3.3727	1.314
1020	540	ELLISV105409	648	331	3.7943	1.314
1020	600	ELLISV106010	720	368	4.2159	1.314
1020	720	ELLISV107212	864	442	5.0590	1.314
1020	840	ELLISV108414	1008	515	5.9022	1.314
1220	240	ELLISV122404	341	175	2.0282	1.310
1220	300	ELLISV123005	427	219	2.5397	1.310
1220	480	ELLISV124808	682	350	4.0563	1.310
1220	540	ELLISV125409	768	393	4.5678	1.310
1220	600	ELLISV126010	853	437	5.0734	1.310
1220	720	ELLISV127212	1024	524	6.0904	1.310
1220	840	ELLISV128414	1194	612	7.1016	1.310
1520	240	ELLISV152404	421	216	2.5435	1.306
1520	300	ELLISV153005	527	270	3.1839	1.306

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1520	480	ELLISV154808	842	432	5.0869	1.306
1520	540	ELLISV155409	948	486	5.7273	1.306
1520	600	ELLISV156010	1053	540	6.3617	1.306
1520	720	ELLISV157212	1264	648	7.6365	1.306
1520	840	ELLISV158414	1474	756	8.9052	1.306
1820	240	ELLISV182404	502	258	3.0807	1.302
1820	300	ELLISV183005	628	323	3.8539	1.302
1820	420	ELLISV184207	879	452	5.3942	1.302
1820	480	ELLISV184808	1004	516	6.1613	1.302
1820	540	ELLISV185409	1130	581	6.9346	1.302
1820	600	ELLISV186010	1255	645	7.7017	1.302
1820	720	ELLISV187212	1506	774	9.2420	1.302
1820	840	ELLISV188414	1757	903	10.7823	1.302
2020	240	ELLISV202404	556	286	3.4389	1.300
2020	300	ELLISV203005	695	358	4.2986	1.300
2020	480	ELLISV204808	1112	573	6.8777	1.300
2020	540	ELLISV205409	1251	644	7.7374	1.300
2020	600	ELLISV206010	1390	716	8.5971	1.300
2020	720	ELLISV207212	1668	859	10.3166	1.300
2020	840	ELLISV208414	1946	1002	12.0360	1.300

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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520	300	ELLIDV523005	288	150	1.9262	1.280
520	480	ELLIDV524808	460	239	3.0766	1.280
520	540	ELLIDV525409	518	269	3.4646	1.280
520	600	ELLIDV526010	575	299	3.8458	1.280
520	720	ELLIDV527212	690	359	4.6150	1.280
650	300	ELLIDV653005	359	186	2.2643	1.295
650	480	ELLIDV654808	574	297	3.6203	1.295
650	540	ELLIDV655409	646	334	4.0744	1.295
650	600	ELLIDV656010	718	371	4.5285	1.295
650	720	ELLIDV657212	862	445	5.4368	1.295
700	300	ELLIDV703005	387	200	2.4409	1.295
700	480	ELLIDV704808	619	319	3.9041	1.295
700	540	ELLIDV705409	697	359	4.3961	1.295
700	600	ELLIDV706010	774	399	4.8817	1.295
700	720	ELLIDV707212	929	479	5.8594	1.295
920	240	ELLIDV922404	402	205	2.3539	1.314
920	300	ELLIDV923005	502	257	2.9394	1.314
920	480	ELLIDV924808	803	410	4.7019	1.314
920	540	ELLIDV925409	904	462	5.2932	1.314
920	600	ELLIDV926010	1004	513	5.8788	1.314
920	720	ELLIDV927212	1205	616	7.0557	1.314
920	840	ELLIDV928414	1406	718	8.2326	1.314
1020	240	ELLIDV102404	441	225	2.5822	1.314
1020	300	ELLIDV103005	551	282	3.2263	1.314
1020	480	ELLIDV104808	882	450	5.1644	1.314
1020	540	ELLIDV105409	992	507	5.8085	1.314
1020	600	ELLIDV106010	1102	563	6.4526	1.314
1020	720	ELLIDV107212	1322	676	7.7408	1.314
1020	840	ELLIDV108414	1543	788	9.0348	1.314
1220	240	ELLIDV122404	520	266	3.0928	1.310
1220	300	ELLIDV123005	651	333	3.8720	1.310
1220	480	ELLIDV124808	1041	533	6.1916	1.310
1220	540	ELLIDV125409	1171	599	6.9648	1.310
1220	600	ELLIDV126010	1301	666	7.7380	1.310
1220	720	ELLIDV127212	1561	799	9.2844	1.310
1220	840	ELLIDV128414	1821	932	10.8308	1.310
1520	240	ELLIDV152404	641	329	3.8726	1.306
1520	300	ELLIDV153005	802	411	4.8453	1.306

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1520	480	ELLIDV154808	1282	658	7.7452	1.306
1520	540	ELLIDV155409	1443	740	8.7179	1.306
1520	600	ELLIDV156010	1603	822	9.6845	1.306
1520	720	ELLIDV157212	1924	986	11.6239	1.306
1520	840	ELLIDV158414	2244	1151	13.5571	1.306
1820	240	ELLIDV182404	760	391	4.6640	1.302
1820	300	ELLIDV183005	951	489	5.8361	1.302
1820	420	ELLIDV184207	1331	684	8.1681	1.302
1820	480	ELLIDV184808	1521	782	9.3341	1.302
1820	540	ELLIDV185409	1711	879	10.5000	1.302
1820	600	ELLIDV186010	1901	977	11.6660	1.302
1820	720	ELLIDV187212	2281	1172	13.9980	1.302
1820	840	ELLIDV188414	2661	1368	16.3300	1.302
2020	240	ELLIDV202404	838	431	5.1830	1.300
2020	300	ELLIDV203005	1047	539	6.4757	1.300
2020	480	ELLIDV204808	1675	862	10.3599	1.300
2020	540	ELLIDV205409	1885	970	11.6587	1.300
2020	600	ELLIDV206010	2094	1078	12.9514	1.300
2020	720	ELLIDV207212	2513	1294	15.5429	1.300
2020	840	ELLIDV208414	2932	1509	18.1344	1.300

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