

Declaration of Performance

DOP No. Z4-10.1920/1

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

Sitar Single Horizontal

2. *Serial Number:*

"SITASHXXXXXX"

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:*

**POLITECNICO DI MILANO
Dipartimento di ENERGIA
Laboratorio M.R.T. (Misura Ricerche Termotecniche)
Via Raffaele Lambruschini, 4
20156 - MILANO - 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

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	8 Bar	
Pressure tightness	No Leakage at 10.4 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 13.5 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)		
300	520	SITASH305209	363	200	3.71830	1.17125
300	650	SITASH306509	454	250	4.64787	1.17125
300	700	SITASH307009	489	269	5.00540	1.17125
300	920	SITASH309209	643	353	6.57853	1.17125
300	1220	SITASH301209	852	469	8.72370	1.17125
300	1520	SITASH301509	1062	584	10.86888	1.17125
300	1820	SITASH301809	1272	699	13.01405	1.17125
300	2020	SITASH302009	1411	776	14.44416	1.17125
402	520	SITASH405212	442	245	4.81262	1.15552
402	650	SITASH406512	553	306	6.01578	1.15552
402	700	SITASH407012	595	330	6.47853	1.15552
402	920	SITASH409212	782	434	8.51464	1.15552
402	1220	SITASH401212	1037	575	11.29115	1.15552
402	1520	SITASH401512	1292	716	14.06766	1.15552
402	1820	SITASH401812	1548	858	16.84418	1.15552
402	2020	SITASH402012	1718	952	18.69518	1.15552
504	520	SITASH505215	516	287	5.82804	1.14586
504	650	SITASH506515	644	359	7.28505	1.14586
504	700	SITASH507015	694	387	7.84544	1.14586
504	920	SITASH509215	912	508	10.31115	1.14586
504	1220	SITASH501215	1210	674	13.67349	1.14586
504	1520	SITASH501515	1507	839	17.03582	1.14586
504	1820	SITASH501815	1805	1005	20.39815	1.14586
504	2020	SITASH502015	2003	1115	22.63971	1.14586
538	920	SITASH539216	540	299	5.88527	1.15495
538	1220	SITASH531216	674	374	7.35658	1.15495
538	1520	SITASH531516	726	403	7.92247	1.15495
606	650	SITASH606518	955	529	10.41239	1.15495
606	700	SITASH607018	1266	702	13.80774	1.15495
606	920	SITASH609218	1577	874	17.20308	1.15495
606	1220	SITASH601218	1888	1047	20.59843	1.15495
606	1520	SITASH601518	2096	1162	22.86199	1.15495
606	1820	SITASH601818	586	322	5.95514	1.17313
606	2020	SITASH602018	733	402	7.44392	1.17313
708	650	SITASH706521	789	433	8.01653	1.17313
708	700	SITASH707021	1037	570	10.53601	1.17313
708	920	SITASH709221	1375	755	13.97166	1.17313
708	1220	SITASH701221	1713	941	17.40732	1.17313
708	1520	SITASH701521	2052	1127	20.84297	1.17313

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708	1820	SITASH701821	2277	1251	23.13341	1.17313
708	2020	SITASH702021	654	352	5.70965	1.21198
810	650	SITASH816524	818	440	7.13706	1.21198
810	700	SITASH817024	881	474	7.68606	1.21198
810	920	SITASH819224	1157	623	10.10168	1.21198
810	1220	SITASH811224	1535	826	13.39571	1.21198
810	1520	SITASH811524	1912	1030	16.68974	1.21198
810	1820	SITASH811824	2290	1233	19.98377	1.21198
810	2020	SITASH812024	2541	1368	22.17979	1.21198

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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Declaration of Performance

DOP No. Z4-10.2920/1

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

Sitar Double Horizontal

2. *Serial Number:*

“SITADHXXXXXX”

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacture:*

**IRSAP UK
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5. *System/Systems of AVCP:*

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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	8 Bar	
Pressure tightness	No Leakage at 10.4 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 13.5 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)		
300	520	SITADH305209	218	117	1.83088	1.22224
300	650	SITADH306509	273	146	2.28860	1.22224
300	700	SITADH307009	294	157	2.46465	1.22224
300	920	SITADH309209	386	207	3.23925	1.22224
300	1220	SITADH301209	512	274	4.29553	1.22224
300	1520	SITADH301509	638	342	5.35181	1.22224
300	1820	SITADH301809	764	409	6.40809	1.22224
300	2020	SITADH302009	848	454	7.11227	1.22224
402	520	SITADH405212	291	156	2.49435	1.21662
402	650	SITADH406512	364	195	3.11794	1.21662
402	700	SITADH407012	392	210	3.35778	1.21662
402	920	SITADH409212	515	277	4.41308	1.21662
402	1220	SITADH401212	683	367	5.85213	1.21662
402	1520	SITADH401512	851	457	7.29118	1.21662
402	1820	SITADH401812	1019	547	8.73023	1.21662
402	2020	SITADH402012	1131	607	9.68960	1.21662
504	520	SITADH505215	362	196	3.29331	1.20101
504	650	SITADH506515	452	245	4.11664	1.20101
504	700	SITADH507015	487	263	4.43331	1.20101
504	920	SITADH509215	640	346	5.82663	1.20101
504	1220	SITADH501215	848	459	7.72662	1.20101
504	1520	SITADH501515	1057	572	9.62661	1.20101
504	1820	SITADH501815	1265	685	11.52660	1.20101
504	2020	SITADH502015	1404	760	12.79326	1.20101
538	920	SITADH539216	385	209	3.57662	1.19581
538	1220	SITADH531216	481	261	4.47077	1.19581
538	1520	SITADH531516	518	281	4.81468	1.19581
606	650	SITADH606518	681	369	6.32786	1.19581
606	700	SITADH607018	903	490	8.39129	1.19581
606	920	SITADH609218	1124	610	10.45472	1.19581
606	1220	SITADH601218	1346	731	12.51816	1.19581
606	1520	SITADH601518	1494	811	13.89378	1.19581
606	1820	SITADH601818	430	235	4.16488	1.18540
606	2020	SITADH602018	538	293	5.20610	1.18540
708	650	SITADH706521	579	316	5.60657	1.18540
708	700	SITADH707021	761	415	7.36863	1.18540
708	920	SITADH709221	1009	551	9.77145	1.18540
708	1220	SITADH701221	1257	686	12.17426	1.18540
708	1520	SITADH701521	1505	822	14.57707	1.18540

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708	1820	SITADH701821	1671	912	16.17895	1.18540
708	2020	SITADH702021	496	270	4.76176	1.18771
810	650	SITADH816524	620	338	5.95220	1.18771
810	700	SITADH817024	668	364	6.41006	1.18771
810	920	SITADH819224	878	479	8.42465	1.18771
810	1220	SITADH811224	1164	635	11.17182	1.18771
810	1520	SITADH811524	1450	791	13.91899	1.18771
810	1820	SITADH811824	1737	947	16.66616	1.18771
810	2020	SITADH812024	1927	1051	18.49761	1.18771

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