



The Radiator Company

Declaration of Performance

DOP No. Z4-13.1920/1

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

Water Lily Single Vertical

2. *Serial Number:*

"WATESXXXXXX"

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. (Misure 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



IRSAP
creating your comfort

RADMAC

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)		
1820	160	WATES181602	294	152	1.9263	1.28526
1820	236	WATES182303	441	229	2.8895	1.28526
1820	312	WATES183104	588	305	3.8526	1.28526
1820	388	WATES183805	735	381	4.8158	1.28526
1820	464	WATES184606	881	457	5.7724	1.28526
2020	160	WATES201602	328	170	2.1511	1.28502
2020	236	WATES202303	492	255	3.2267	1.28502
2020	312	WATES203104	656	340	4.3022	1.28502
2020	388	WATES203805	820	426	5.3778	1.28502
2020	464	WATES204606	984	511	6.4533	1.28502

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. Z4-13.2920/1

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

Water Lily Double Vertical

2. *Serial Number:*

"WATEDXXXXXX"

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:*

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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)		
1820	160	WATED181602	420	218	2.7368	1.28667
1820	236	WATED182303	630	326	4.1051	1.28667
1820	312	WATED183104	840	435	5.4735	1.28667
1820	388	WATED183805	1050	544	6.8419	1.28667
1820	464	WATED184606	1259	653	8.2037	1.28667
2020	160	WATED201602	466	242	3.0863	1.28251
2020	236	WATED202303	699	363	4.6295	1.28251
2020	312	WATED203104	932	484	6.1726	1.28251
2020	388	WATED203805	1166	606	7.7224	1.28251
2020	464	WATED204606	1399	727	9.2656	1.28251

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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