

Declaration of Performance

DOP No. Z5-4.2920/1

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

Beaufort Double Vertical

2. *Serial Number:*

"BEAUFXXXXXX"

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacture:*

**IRSAP UK
Units 13-14 Charwoods 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**

Supplies4Heat is a brand of IRSAP

Units 13 – 14 Charwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 306880 | email: enquiries@supplies4heat.co.uk | Web: www.supplies4heat.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	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 (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
1820	160	BEAUF181604DUC	420	218	2.7368	1.28667
1820	236	BEAUF182306DUC	630	326	4.1051	1.28667
1820	312	BEAUF183108DUC	840	435	5.4735	1.28667
1820	388	BEAUF183810DUC	1050	544	6.8419	1.28667
1820	464	BEAUF184612DUC	1259	653	8.2037	1.28667
2020	160	BEAUF201604DUC	466	242	3.0863	1.28251
2020	236	BEAUF202306DUC	699	363	4.6295	1.28251
2020	312	BEAUF203108DUC	932	484	6.1726	1.28251
2020	388	BEAUF203810DUC	1166	606	7.7224	1.28251
2020	464	BEAUF204612DUC	1399	727	9.2656	1.28251

Table 2:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
1820	312	BEAUF183108DV	840	435	5.4735	1.28667
1820	464	BEAUF184612DV	1259	653	8.2037	1.28667
1820	540	BEAUF185414DV	1470	763	9.5786	1.28667
1820	616	BEAUF186116DV	1680	872	10.9470	1.28667

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. Z5-4.4920/1

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

Beaufort Single Vertical

2. *Serial Number:*

"BEAUFXXXXXX"

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In heating systems in buildings

4. *Manufacture:*

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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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Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
1820	160	BEAUF181602SUC	294	152	1.9263	1.28526
1820	236	BEAUF182303SUC	441	229	2.8895	1.28526
1820	312	BEAUF183104SUC	588	305	3.8526	1.28526
1820	388	BEAUF183805SUC	735	381	4.8158	1.28526
1820	464	BEAUF184606SUC	881	457	5.7724	1.28526
2020	160	BEAUF201602SUC	328	170	2.1511	1.28502
2020	236	BEAUF202303SUC	492	255	3.2267	1.28502
2020	312	BEAUF203104SUC	656	340	4.3022	1.28502
2020	388	BEAUF203805SUC	820	426	5.3778	1.28502
2020	464	BEAUF204606SUC	984	511	6.4533	1.28502

Table 2:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
1820	312	BEAUF183104SV	588	305	3.8526	1.28526
1820	464	BEAUF184606SV	881	457	5.7724	1.28526
1820	540	BEAUF185407SV	1029	532	6.7421	1.28526
1820	616	BEAUF186108SV	1176	608	7.7053	1.28526

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 **marc**

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