

Declaration of Performance

DOP No. Z5-11.3920/1

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

Faraday Type 21 Vertical

2. *Serial Number:*

"FARAXXX"

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:*

**SZU - Strojírenský zkušební ústav
Hudcova
424/56b
CZ-621 00 – BRNO
CZECH REPUBLIC**

Supplies4Heat is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 306880 | email: enquiries@supplies4heat.co.uk | Web: www.supplies4heat.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	10 Bar	
Pressure tightness	No Leakage at 13 Bar	
Surface temperature maximum	110°C	
Resistance to pressure	No Breakage at 16.9 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
1600	400	FARA164021	1128	576	6.5303	1.3169
1600	500	FARA165021	1410	720	8.1629	1.3169
1600	600	FARA166021	1692	863	9.7955	1.3169
1800	400	FARA184021	1231	630	7.3159	1.3102
1800	500	FARA185021	1539	788	9.1464	1.3102
1800	600	FARA186021	1847	946	10.9768	1.3102
2000	400	FARA204021	1322	679	8.0685	1.3034
2000	500	FARA205021	1653	849	10.0887	1.3034
2000	600	FARA206021	1983	1019	12.1028	1.3034

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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