

Declaration of Performance

DOP No. Z5-11.2920/1

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

Faraday Type 21

2. *Serial Number:*

"FARAXXXX"

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

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	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)		
600	400	FARA604021	489	249	2.7545	1.3239
600	500	FARA605021	611	311	3.4417	1.3239
600	600	FARA606021	733	373	4.1289	1.3239
600	800	FARA608021	978	497	5.5090	1.3239
600	1000	FARA601021	1222	621	6.8834	1.3239
600	1100	FARA601121	1344	683	7.5706	1.3239
600	1200	FARA601221	1466	745	8.2579	1.3239
600	1400	FARA601421	1711	870	9.6379	1.3239
600	1600	FARA601621	1955	994	11.0124	1.3239
600	1800	FARA601821	2200	1119	12.3924	1.3239

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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