

Declaration of Performance

DOP No. Z5-11.1920/1

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

Faraday Type 11

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
400	400	FARA404011	271	142	1.8974	1.2683
400	600	FARA406011	407	213	2.8496	1.2683
400	800	FARA408011	542	284	3.7949	1.2683
400	1000	FARA401011	678	355	4.7471	1.2683
400	1100	FARA401111	746	390	5.2232	1.2683
400	1200	FARA401211	814	426	5.6993	1.2683
400	1400	FARA401411	949	496	6.6445	1.2683
400	1600	FARA401611	1085	568	7.5967	1.2683
400	1800	FARA401811	1220	638	8.5419	1.2683
400	2000	FARA402011	1356	709	9.4941	1.2683
500	400	FARA504011	327	171	2.2904	1.2682
500	600	FARA506011	491	257	3.4391	1.2682
500	800	FARA508011	654	342	4.5808	1.2682
500	1000	FARA501011	818	428	5.7295	1.2682
500	1100	FARA501111	900	471	6.3039	1.2682
500	1200	FARA501211	982	514	6.8782	1.2682
500	1400	FARA501411	1145	599	8.0200	1.2682
500	1600	FARA501611	1309	685	9.1687	1.2682
500	1800	FARA501811	1472	770	10.3104	1.2682
500	2000	FARA502011	1636	856	11.4591	1.2682
600	400	FARA604011	381	199	2.6686	1.2682
600	600	FARA606011	572	299	4.0065	1.2682
600	700	FARA607011	667	349	4.6719	1.2682
600	800	FARA608011	762	399	5.3373	1.2682
600	900	FARA609011	858	449	6.0097	1.2682
600	1000	FARA601011	953	499	6.6751	1.2682
600	1100	FARA601111	1048	548	7.3405	1.2682
600	1200	FARA601211	1144	599	8.0129	1.2682
600	1400	FARA601411	1334	698	9.3438	1.2682
600	1600	FARA601611	1525	798	10.6816	1.2682
600	1800	FARA601811	1715	897	12.0124	1.2682
600	2000	FARA602011	1906	997	13.3502	1.2682

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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**

UK
CA

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