

Declaration of Performance

DOP No. Z5-11.4920/1

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

Faraday Type 22

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 |
|----------------|---------------|------------|--|--|----------------------|-----------------|
| 300 | 800 | FARA308022 | 758 | 387 | 4.4366 | 1.3141 |
| 300 | 1000 | FARA301022 | 948 | 484 | 5.5487 | 1.3141 |
| 300 | 1200 | FARA301222 | 1138 | 582 | 6.6608 | 1.3141 |
| 300 | 1400 | FARA301422 | 1327 | 678 | 7.7670 | 1.3141 |
| 300 | 1600 | FARA301622 | 1517 | 775 | 8.8791 | 1.3141 |
| 300 | 1800 | FARA301822 | 1706 | 872 | 9.9853 | 1.3141 |
| 400 | 400 | FARA404022 | 475 | 242 | 2.7445 | 1.3174 |
| 400 | 600 | FARA406022 | 712 | 363 | 4.1139 | 1.3174 |
| 400 | 800 | FARA408022 | 950 | 485 | 5.4891 | 1.3174 |
| 400 | 900 | FARA409022 | 1068 | 545 | 6.1709 | 1.3174 |
| 400 | 1000 | FARA401022 | 1187 | 606 | 6.8585 | 1.3174 |
| 400 | 1200 | FARA401222 | 1424 | 727 | 8.2279 | 1.3174 |
| 400 | 1400 | FARA401422 | 1662 | 848 | 9.6030 | 1.3174 |
| 400 | 1600 | FARA401622 | 1899 | 969 | 10.9724 | 1.3174 |
| 400 | 1800 | FARA401822 | 2137 | 1090 | 12.3476 | 1.3174 |
| 400 | 2000 | FARA402022 | 2374 | 1211 | 13.7170 | 1.3174 |
| 500 | 400 | FARA504022 | 566 | 288 | 3.2271 | 1.3208 |
| 500 | 600 | FARA506022 | 848 | 432 | 4.8350 | 1.3208 |
| 500 | 800 | FARA508022 | 1131 | 576 | 6.4486 | 1.3208 |
| 500 | 1000 | FARA501022 | 1414 | 720 | 8.0621 | 1.3208 |
| 500 | 1200 | FARA501222 | 1697 | 864 | 9.6757 | 1.3208 |
| 500 | 1400 | FARA501422 | 1980 | 1008 | 11.2893 | 1.3208 |
| 500 | 1600 | FARA501622 | 2262 | 1152 | 12.8971 | 1.3208 |
| 500 | 1800 | FARA501822 | 2545 | 1296 | 14.5107 | 1.3208 |
| 500 | 2000 | FARA502022 | 2828 | 1440 | 16.1243 | 1.3208 |
| 600 | 400 | FARA604022 | 652 | 332 | 3.6698 | 1.3241 |
| 600 | 600 | FARA606022 | 979 | 498 | 5.5103 | 1.3241 |
| 600 | 700 | FARA607022 | 1142 | 581 | 6.4278 | 1.3241 |
| 600 | 800 | FARA608022 | 1305 | 664 | 7.3452 | 1.3241 |
| 600 | 900 | FARA609022 | 1468 | 746 | 8.2627 | 1.3241 |
| 600 | 1000 | FARA601022 | 1631 | 829 | 9.1801 | 1.3241 |
| 600 | 1100 | FARA601122 | 1794 | 912 | 10.0976 | 1.3241 |
| 600 | 1200 | FARA601222 | 1957 | 995 | 11.0150 | 1.3241 |
| 600 | 1400 | FARA601422 | 2283 | 1161 | 12.8499 | 1.3241 |
| 600 | 1600 | FARA601622 | 2610 | 1327 | 14.6904 | 1.3241 |
| 600 | 1800 | FARA601822 | 2936 | 1493 | 16.5253 | 1.3241 |
| 600 | 2000 | FARA602022 | 3262 | 1659 | 18.3602 | 1.3241 |

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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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 **marc**

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