

## Declaration of Performance

**Z5-17920/1**

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

**Saxon**

2. *Serial Number:*

**"SAXOXXXXXX"**

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](http://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 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU  
Tel: 01342 306880 | email: [enquiries@supplies4heat.co.uk](mailto:enquiries@supplies4heat.co.uk) | Web: [www.supplies4heat.co.uk](http://www.supplies4heat.co.uk)

# Supplies4Heat

## 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	16 Bar	
Pressure tightness	No Leakage at 20.8 Bar	
Surface temperature maximum	120°C	
Resistance to pressure	No Breakage at 27 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K <sub>M</sub> & 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 $n$
440	420	SAXO444205H	470	241	2.7021	0.54042
440	660	SAXO446608H	752	385	4.32336	0.54042
440	820	SAXO448210H	940	481	5.4042	0.54042
440	980	SAXO449812H	1128	578	6.48504	0.54042
440	1140	SAXO441114H	1316	674	7.56588	0.54042
590	420	SAXO594205H	615	314	3.51215	0.70243
590	660	SAXO596608H	984	503	5.61944	0.70243
590	820	SAXO598210H	1230	628	7.0243	0.70243
590	980	SAXO599812H	1476	754	8.42916	0.70243
590	1140	SAXO591114H	1722	880	9.83402	0.70243
690	420	SAXO694205H	710	362	4.03985	0.80797
690	660	SAXO696608H	1136	580	6.46376	0.80797
690	820	SAXO698210H	1420	725	8.0797	0.80797
690	980	SAXO699812H	1704	870	9.69564	0.80797
690	1140	SAXO691114H	1988	1015	11.31158	0.80797
1446	260	SAXO142603V	735	368	3.69288	1.35325
1446	340	SAXO143404V	980	491	4.92384	1.35325
1446	420	SAXO144205V	1225	614	6.1548	1.35325
1446	500	SAXO145006V	1470	737	7.38576	1.35325
1846	260	SAXO182603V	891	445	4.46898	1.35295
1846	340	SAXO183404V	1188	594	5.95864	1.35295
1846	420	SAXO184205V	1485	742	7.4483	1.35295
1846	500	SAXO185006V	1782	891	8.93796	1.35295

**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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 **marc**

**IRSAP**  
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**RADMAC**