

## Declaration of Performance

DOP No. Z5-10.1920/1

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

**Cornel 2 Column**

2. *Serial Number:*

**"CORN2CXXXX"**

3. *Intended Use/Uses:*

**In heating systems in buildings**

4. *Manufacturer:*

**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	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95°C	
Resistance to pressure	No Breakage at 20.28 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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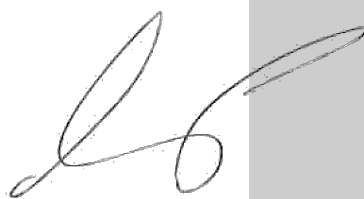
# Supplies4Heat

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 $n$
500	609	CORN2C506013H	477	251	3.52079	1.2545
500	834	CORN2C508318H	661	347	4.87494	1.2545
500	1014	CORN2C501022H	807	425	5.95826	1.2545
500	1194	CORN2C501126H	954	502	7.04158	1.2545
500	1374	CORN2C501330H	1101	579	8.1249	1.2545
600	609	CORN2C606013H	562	294	4.01817	1.2625
600	834	CORN2C608318H	778	407	5.56362	1.2625
600	1014	CORN2C601022H	950	497	6.79998	1.2625
600	1194	CORN2C601126H	1123	588	8.03634	1.2625
600	1374	CORN2C601330H	1296	678	9.2727	1.2625
750	519	CORN2C755111H	582	304	3.97628	1.2745
750	609	CORN2C756013H	688	359	4.69924	1.2745
750	834	CORN2C758318H	952	497	6.50664	1.2745
1800	339	CORN2C183307V	870	441	4.79675	1.3294
1800	429	CORN2C184209V	1119	567	6.16725	1.3294
1800	519	CORN2C185111V	1367	693	7.53775	1.3294
1800	609	CORN2C186013V	1616	819	8.90825	1.3294

**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**

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