

Declaration of Performance

DOP No. Z5-10.3920/1

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

Cornel 4 Column

2. *Serial Number:*

"CORN4CXXXX"

3. *Intended Use/Uses:*

In heating systems in buildings

4. *Manufacturer:*

**IRSAP UK
Units 13-14 Charwoods Road
East Grinstead
West Sussex
RH19 2HU
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 Charwoods 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	8 Bar	
Pressure tightness	No Leakage at 10.4 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 13.5 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)		
300	969	CORN4C309621H	884	464	6.4386	1.2581
300	1194	CORN4C301126H	1095	575	7.9716	1.2581
300	1374	CORN4C301330H	1263	663	9.1980	1.2581
500	609	CORN4C506013H	870	451	5.6745	1.2863
500	834	CORN4C508318H	1204	625	7.8570	1.2863
500	1014	CORN4C501022H	1472	763	9.6030	1.2863
500	1194	CORN4C501126H	1739	902	11.3490	1.2863
500	1374	CORN4C501330H	2007	1041	13.0950	1.2863
500	1599	CORN4C501535H	2342	1215	15.2775	1.2863
500	1824	CORN4C501840H	2676	1388	17.4600	1.2863
600	609	CORN4C606013H	1027	529	6.3395	1.3004
600	834	CORN4C608318H	1422	733	8.7777	1.3004
600	1014	CORN4C601022H	1738	895	10.7283	1.3004
600	1194	CORN4C601126H	2054	1058	12.6789	1.3004
600	1374	CORN4C601330H	2370	1221	14.6295	1.3004
750	519	CORN4C755111H	1065	542	6.0515	1.3216
750	609	CORN4C756013H	1258	641	7.1518	1.3216
750	834	CORN4C758318H	1742	887	9.9025	1.3216
750	1014	CORN4C751022H	2130	1085	12.1031	1.3216
1800	339	CORN4C183307V	1512	770	8.6229	1.3208
1800	429	CORN4C184209V	1944	990	11.0866	1.3208
1800	519	CORN4C185111V	2376	1210	13.5502	1.3208
1800	609	CORN4C186013V	2808	1430	16.0139	1.3208

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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