

Declaration of Performance

DOP No. Z5-10.5920/1

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

Cornel Graphex

2. *Serial Number:*

"CORNXXXXXXXXX"

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

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7. Declared Performance:

2 & 3 Column:

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 _M & ⁿ see table 1	

4 Column:

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:

No. of Columns	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
3	500	429	CORN3C504209HG	463	242	3.21543	1.27000
3	500	609	CORN3C506013HG	668	350	4.64451	1.27000
3	500	834	CORN3C508318HG	925	484	6.43086	1.27000
3	500	1014	CORN3C501022HG	1131	592	7.85994	1.27000
3	500	1194	CORN3C501126HG	1336	699	9.28902	1.27000
3	600	609	CORN3C606013HG	788	407	5.24771	1.28095
3	600	834	CORN3C608318HG	1091	563	7.26606	1.28095
3	600	1014	CORN3C601022HG	1333	689	8.88074	1.28095
3	600	1194	CORN3C601126HG	1576	814	10.49542	1.28095
4	500	474	CORN4C504710HG	669	347	4.365	1.28633
4	500	609	CORN4C506013HG	870	451	5.6745	1.28633
4	500	834	CORN4C508318HG	1204	625	7.857	1.28633
4	500	1014	CORN4C501022HG	1472	763	9.603	1.28633
4	500	1194	CORN4C501126HG	1739	902	11.349	1.28633
4	600	609	CORN4C606013HG	1027	529	6.33945	1.30044
4	600	834	CORN4C608318HG	1422	733	8.7777	1.30044
4	600	1014	CORN4C601022HG	1738	895	10.7283	1.30044
4	600	1194	CORN4C601126HG	2054	1058	12.6789	1.30044
2	1500	294	CORN2C152906VG	618	313	3.36984	1.33221
2	1500	384	CORN2C153808VG	824	418	4.49312	1.33221
2	1500	474	CORN2C154710VG	1030	522	5.6164	1.33221
2	1800	204	CORN2C182004VG	497	252	2.741	1.32939
2	1800	339	CORN2C183307VG	870	441	4.79675	1.32939
2	1800	429	CORN2C184209VG	1119	567	6.16725	1.32939
2	1800	519	CORN2C185111VG	1367	693	7.53775	1.32939
2	1800	609	CORN2C186013VG	1616	819	8.90825	1.32939
3	1800	339	CORN3C183307VG	1182	601	6.62683	1.32520
3	1800	429	CORN3C184209VG	1520	772	8.52021	1.32520
3	1800	519	CORN3C185111VG	1858	944	10.41359	1.32520
3	1800	609	CORN3C186013VG	2196	1115	12.30697	1.32520

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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
RA

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 **marc**

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