

Declaration of Performance

DOP No. RD-2.2920/1

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

Leoni 3 Column

2. *Serial Number:*

"LEON3CXXXX"

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**

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**

Radiator Direct is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305555 | email: info@radiatorsdirect.co.uk | Web: www.radiatorsdirect.co.uk



1. 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 _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	969	LEON3C309621H	683	361	5.1729	1.2481
300	1194	LEON3C301126H	845	447	6.4046	1.2481
300	1374	LEON3C301330H	975	516	7.3899	1.2481
500	609	LEON3C506013H	668	350	4.6445	1.2700
500	834	LEON3C508318H	925	484	6.4309	1.2700
500	1014	LEON3C501022H	1131	592	7.8599	1.2700
500	1194	LEON3C501126H	1336	699	9.2890	1.2700
500	1374	LEON3C501330H	1542	807	10.7181	1.2700
500	1599	LEON3C501535H	1799	942	12.5045	1.2700
500	1824	LEON3C501840H	2056	1076	14.2908	1.2700
600	609	LEON3C606013H	788	407	5.2477	1.2810
600	834	LEON3C608318H	1091	563	7.2661	1.2810
600	1014	LEON3C601022H	1333	689	8.8807	1.2810
600	1194	LEON3C601126H	1576	814	10.4954	1.2810
600	1374	LEON3C601330H	1818	939	12.1101	1.2810
600	1599	LEON3C601535H	2121	1096	14.1285	1.2810
600	1824	LEON3C601840H	2424	1252	16.1468	1.2810
750	519	LEON3C755111H	818	421	5.1032	1.2974
750	609	LEON3C756013H	967	498	6.0311	1.2974
750	834	LEON3C758318H	1339	689	8.3507	1.2974
750	1014	LEON3C751022H	1637	843	10.2065	1.2974
1800	339	LEON3C183307V	1182	601	6.6268	1.3252
1800	429	LEON3C184209V	1520	772	8.5202	1.3252
1800	519	LEON3C185111V	1858	944	10.4136	1.3252
1800	609	LEON3C186013V	2196	1115	12.3070	1.3252

The performance of the product identified in point 1 is in conformity with the declared performances in point. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Andrew Phillips



**Managing Director
January 2021**

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