

# Declaration of Performance (DoP)



DoP Reference Number: Z150-ZA.11

Version 1.1

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

**Rossetti Type 21 Horizontal**

2. *Serial Number:*

**“ROSS21XXXX”**

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:*

**SZU - Strojírenský zkušební ústav**

**Hudcova**

**424/56b**

**CZ-621 00 – BRNO**

**CZECH REPUBLIC**

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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](mailto:info@radiatorsdirect.co.uk) | Web: [www.radiatorsdirect.co.uk](http://www.radiatorsdirect.co.uk)

# Declaration of Performance (DoP)

## 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	10 Bar	
Pressure tightness	No Leakage at 13 Bar	
Surface temperature maximum	110°C	
Resistance to pressure	No Breakage at 16.9 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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# Declaration of Performance (DoP)

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (watts)	Coefficient Km	Exponent n
600	400	ROSS216040	489	249	2.7545	1.3239
600	500	ROSS216050	611	311	3.4417	1.3239
600	600	ROSS216060	733	373	4.1289	1.3239
600	800	ROSS216080	978	497	5.5090	1.3239
600	1000	ROSS216010	1222	621	6.8834	1.3239
600	1100	ROSS216011	1344	683	7.5706	1.3239
600	1200	ROSS216012	1466	745	8.2579	1.3239
600	1400	ROSS216014	1711	870	9.6379	1.3239
600	1600	ROSS216016	1955	994	11.0124	1.3239
600	1800	ROSS216018	2200	1119	12.3924	1.3239

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.

Signed:



**Andrew Phillips**  
Managing Director  
12<sup>th</sup> August 2024

# Declaration of Performance (DoP)



DoP Reference Number: Z150-ZA.12

Version 1.1

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

**Rossetti Type 21 Vertical**

2. *Serial Number:*

**“ROSS21XXXX”**

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:*

**SZU - Strojírenský zkušební ústav**

**Hudcova**

**424/56b**

**CZ-621 00 – BRNO**

**CZECH REPUBLIC**

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# Declaration of Performance (DoP)

## 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	10 Bar	
Pressure tightness	No Leakage at 13 Bar	
Surface temperature maximum	110°C	
Resistance to pressure	No Breakage at 16.9 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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# Declaration of Performance (DoP)

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (watts)	Coefficient Km	Exponent n
1600	400	ROSS211640	1128	576	6.5303	1.3169
1600	500	ROSS211650	1410	720	8.1629	1.3169
1600	600	ROSS211660	1692	863	9.7955	1.3169
1800	400	ROSS211840	1231	630	7.3159	1.3102
1800	500	ROSS211850	1539	788	9.1464	1.3102
1800	600	ROSS211860	1847	946	10.9768	1.3102
2000	400	ROSS212040	1322	679	8.0685	1.3034
2000	500	ROSS212050	1653	849	10.0887	1.3034
2000	600	ROSS212060	1983	1019	12.1028	1.3034
1600	400	ROSS211640	1128	576	6.5303	1.3169

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.

Signed:



**Andrew Phillips**

Managing Director

12<sup>th</sup> August 2024

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