



EU Declaration of Performance

In accordance with the EU Construction Products Regulation 305-2011

13-305-003-E2

1. Product Type

1a. Equipment Type: Radiator/Convactor

1b. Product Range: Ximax

1c. Model Numbers: VUS180045W, VUS180045A, VUS180060W, VUS180060A, VUS600118W, VUS600118A, VUS60090W, VUS60090A, VUS600585W, VUS60885SC, VUS60118SC, VUS180285W, VUS180285A, VUS18028SC, VUS18043SC, VUS18058SC

2. Type, batch or serial number: As per 1c.

3. Intended Use: Heat emitters for central heating systems to be supplied with hot water and steam below 120°C from a remote source (boiler or similar)

4. Manufacturer: Manufactured by ETS, Gewerbestrasse 9a, A-6973 Höchst

5. Authorised Representative: N/A

6. System of assessment and verification of constancy of performance:
System 3

7. Harmonised Standards applied in order to demonstrate compliance with the above Regulation:

EN 442-1:1996+A1:2003

7.1 Notified Body: Wärmetechnische Prüfgesellschaft mbH (1698)

7.1.1 Performed: Determination of the product-type on the basis of type testing

7.1.2 System: System 3

7.1.3 Issued: Notified Body Test Report, Certificate of conformity of the factory production control

8. European Technical Assessment: N/A

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9. Declared Performance:

Essential Characteristics	Performance		Harmonised Technical Specification
Reaction to fire	Class A1		EN 442-1, 5.1.7
Release of dangerous substances	Conforms		EN 442-1, Clause 4 and ZA.1
Pressure tightness	Leak Test Pass Burst test to 4,6 bar		EN 442-1, 5.2 EN 442-1, 5.3
Surface temperature	Pass		-
Rated thermal output	VUS180045W VUS180045A	1362 W	EN 442-1, Clause 6
	VUS180060W VUS180060A	1816 W	
	VUS600118W VUS600118A	1365 W	
	VUS60090W VUS60090A	1024 W	
	VUS600585W	683 W	
	VUS60885SC	1024 W	
	VUS60118SC	1365 W	
	VUS180285W VUS180285A VUS18028SC	963 W	
	VUS18043SC	1362 W	
	VUS18058SC	1816 W	
Thermal output in different operating conditions (characteristic curve)	VUS180045W VUS180045A	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 7,7448$ $n = 1,2908$ $\Delta T = 50K$	EN 442-1, Clause 6
	VUS180060W VUS180060A	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 10,3264$ $n = 1,2908$ $\Delta T = 50K$	

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	VUS600118W VUS600118A	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 8,9968$ $n = 1,2837$ $\Delta T = 50K$	
	VUS60090W VUS60090A	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 6,7476$ $n = 1,2837$ $\Delta T = 50K$	
	VUS600585W	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 4,4884$ $n = 1,2837$ $\Delta T = 50K$	
	VUS60885SC	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 6,7476$ $n = 1,2837$ $\Delta T = 50K$	
	VUS60118SC	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 8,9968$ $n = 1,2837$ $\Delta T = 50K$	
	VUS180285W VUS180285A VUS18028SC	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 5,8216$ $n = 1,2908$ $\Delta T = 50K$	
	VUS18043SC	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 7,7448$ $n = 1,2908$ $\Delta T = 50K$	
	VUS18058SC	$\Phi_S = K_M \cdot \Delta T^n$ Where $K_M = 10,3264$ $n = 1,2908$ $\Delta T = 50K$	
Durability	PASS		EN 442-1, Clause 4

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10. Declaration:

The performance of the product identified in points 1 & 2 is in conformity with the declared performance in point 9.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 4.

Authorised Signatory on behalf of the manufacturer:



Name: Friedrich Zotter
Position: CEO
Company: ETS Dienstleistungs- und Handels GmbH
Issue Date: 06/05/2013
At: ETS GmbH, Gewerbestrasse 9a, AT-6973 Höchst

Information on the Content of Hazardous Substances in the Construction Product

As required by EU CPR Regulation 305-2011
As identified by Articles 31 & 33 of the EU REACH Regulation 1907-2006

Equipment Type: Radiator/Convactor
Product Range: Ximax
Model Numbers: VUS180045W, VUS180045A, VUS180060W, VUS180060A, VUS600118W, VUS600118A, VUS60090W, VUS60090A, VUS600585W, VUS60885SC, VUS60118SC, VUS180285W, VUS180285A, VUS18028SC, VUS18043SC, VUS18058SC

Manufacturer: Manufactured by ETS, Gewerbestrasse 9a, A-6973 Höchst

Safety Data Sheets: *N/A (product is an "Article", not a "Substance" or "Preparation")*

Substance of Very High Concern (SVHC):

The products identified above contain no SVHCs as per the Candidate List at date of issue of this document at a concentration above 0.1% weight by weight (w/w).

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