

Arto Vertical Single

Declaration of Performance



DOP No.	2608-06	Unique Product Code	ARTVS
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Trading Name	Arto Vertical Single	Type, Batch, or Serial Number	ARTVS _ _ _ _
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Manufacturer:

MHS Radiators Ltd, Unit 4 Genesis, Endeavour Drive, Basildon, SS14 3WF

Tel: 0345 521 5666 | Email: mhs@modularhg.co.uk | Website: www.mhsradiators.co.uk

System of ACVP:

System 3

Declared uses of the product, within the scope of the applicable harmonised technical specification:

Radiators for heating emission meant for permanent installation in heating systems of domestic buildings, supplied by a remote source of hot water or steam with temperature inferior to 110° C (EN 442-1-2 2014).

Notified Laboratory:

CETIAT – Centre Technique Des Industries Aerauliques et Thermiques – Notified Body Number: 1623
Domaine Scientifique de la Doua – 25, avenue des Arts – 69100 Villeurbanne

Tel: +33 0472444900 | E-mail: cetiat.commercial@cetiat.fr | Website: www.cetiat.fr

The notified body performed tests according to harmonised standard UNI EN 442 and released:

Test Report for the determination of the thermal power of an heating element:
Heat outputs – 02/04/2008

Pressure Resistance Test Report:
Heat outputs – 02/04/2008

Harmonised technical specifications:

EN 442-1:2014, PCR-ed4-EN-2021 09 06,
PSR-0011-ed2.0 EN-2023 06 06, ISO 14025:2006, EN15804+A2.

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Declared performance:

Performance of the essential characteristics defined by the harmonised technical specification:

Essential Characteristics	Performance
Fire reaction	A1
Release of dangerous substances	NO
Maximum working pressure	5 bar
Pressure tightness	No leakage at 1.3 x working pressure
Pressure resistance	No leakage at 1.69 x working pressure
Maximum surface temperature	110°C
Rated thermal output	See Appendix 1
Thermal output in different operating conditions	See Appendix 1
Characteristic curve	$\Phi = K_m \times \Delta T^n$
Resistance against corrosion	No > 100h
Resistance against minor impact	Class 0

Signed for and on behalf of the manufacturer by:

Alex Bradley
Commercial Director
28/08/26

A handwritten signature in black ink that reads 'ABradley'. The signature is written in a cursive, stylized font. Below the signature is a horizontal dotted line.

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Appendix 1 - Declared performance:

Performance of the essential characteristics defined by the harmonised technical specification:

Rated thermal output (per tube)	Height mm	Output ΔT 50°C watts	Output ΔT 30°C watts	K_m	n
	400	28.0	14.5	0.1777	1.2934
	500	34.6	17.9	0.2201	1.2928
	600	41.1	21.2	0.2621	1.2922
	700	47.5	24.6	0.3038	1.2914
	800	53.8	27.8	0.3451	1.2907
	1000	66.3	34.3	0.4274	1.2894
	1200	78.6	40.7	0.5093	1.2881
	1400	90.6	47.0	0.5903	1.2867
	1500	96.5	50.1	0.6416	1.2860
	1600	102.0	53.1	0.6680	1.2854
	1700	108.0	56.2	0.7092	1.2847
	1800	114.0	59.2	0.7506	1.2840
	1900	120.0	62.2	0.7923	1.2833
	2000	126.0	65.2	0.8342	1.2826
	2100	131.0	68.2	0.8693	1.2820
	2200	137.0	71.1	0.9117	1.2813
	2300	142.0	74.0	0.9475	1.2806
	2500	153.0	79.8	1.0265	1.2792