

Arto Vertical Double

Declaration of Performance



DOP No.	2608-07	Unique Product Code	ARTVD
Trading Name	Arto Vertical Double	Type, Batch, or Serial Number	ARTVD _ - _ - _

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
	500	54.8	27.6	0.2869	1.3426
	558	60.3	30.4	0.3160	1.3424
	600	64.2	32.3	0.3365	1.3423
	658	69.5	35.0	0.3646	1.3421
	700	73.3	36.9	0.3847	1.3420
	800	82.3	41.5	0.4324	1.3417
	858	87.4	44.0	0.4596	1.3415
	958	96.1	48.4	0.5059	1.3412
	1000	99.7	50.3	0.5251	1.3411
	1200	117.0	58.8	0.6176	1.3405
	1400	133.0	67.1	0.7646	1.3399
	1600	149.0	75.2	0.7902	1.3393
	1800	165.0	83.2	0.8771	1.3387
	1900	173.0	87.1	0.9208	1.3384
	2000	180.0	91.0	0.9591	1.3381
	2200	195.0	98.6	1.0415	1.3375
	2300	203.0	102.0	1.0855	1.3372
	2500	218.0	110.0	1.1685	1.3366