

**Manufacturer:** CORDIVARI SRL

**Declaration Code:** 15-2020

**Version No:** 00 del 07/01/2026

### 1. Product description

- Unique identification code of the product-type:

Trading name
Ardesia

- Product category as defined by harmonised technical specifications (EN 442-2, Attachment G):
  - G.1 Steel sectional radiator (vertical flow rate)
  - G.3 Towel radiator/horizontal water flow radiator
  - G.9 Multi column radiator
- 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).
- Nominal dimensions of the product:

Width [mm]	Height [mm]
138 → 1840	200 → 2500

- Estimated average and minimum service life time for the declared use: 50 years, 30 years

### 2. Link to general product information, instructions for use and safety information:

<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-2-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-3-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-4-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-5-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-6-colonne/>

### 3. Manufacturer:

CORDIVARI SRL, Zona Industriale Pagliare - 64020 Morro D'Oro (TE)  
Tel: 085-80401 – E-mail: <mailto:info@cordivari.it> - Website: [www.cordivari.it/www.cordivaridesign.it](http://www.cordivari.it/www.cordivaridesign.it)

### 4. Not relevant

### 5. Notified laboratory:

Laboratorio M.R.T. - Notified Body Number: 1695  
Via Raffaele Lambruschini 4A, 20156 Milano  
Tel: 02-23993825 – E-mail: <mailto:mrt@polimi.it> – Website: <http://www.mrt.polimi.it/>

### 6. Not relevant

### 7. 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: N° ENE/MRT.RES.13029,13030,13031,13032,13033 – 6/09/2013;
- Pressure Resistance Test Report: N° 1623 BQ 200 – 23/11/2005.

**8. 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.

**9. Declared performances and sustainability characteristics:**

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

Essential characteristics	Performance				
Fire reaction	A1				
Release of dangerous substances	NO				
Max working pressure	10 bar				
Pressure tightness	No leakage at 1,3 x working pressure				
Pressure resistance	No leakage at 1,69 x working pressure				
Surface temperature	Max 110°C				
Rated thermal	2 COLUMNS				
	Measure [mm]	φ 50 [W]	φ 30 [W]	K <sub>m</sub>	n
	200	16,8	8,6	0,10145	1,3067
	207	17,5	9,0	0,10721	1,30253
	300	25,6	13,5	0,19452	1,2471
	356	29,8	15,7	0,21983	1,25489
	400	33,0	17,3	0,23746	1,26102
	406	33,4	17,5	0,23997	1,26185
	500	40,1	20,9	0,27341	1,27493
	556	44,0	22,9	0,29132	1,28273
	586	46,1	23,9	0,30033	1,2869
	600	47,1	24,4	0,3044	1,28885
	626	48,9	25,3	0,31174	1,29247
	656	51,0	26,3	0,31987	1,29664
	676	52,4	27,0	0,32509	1,29943
	750	57,6	29,5	0,3431	1,30973
	756	58,0	29,7	0,34448	1,31056
	786	60,1	30,7	0,35117	1,31474
	856	65,1	33,1	0,36563	1,32448
	876	66,5	33,7	0,36949	1,32726
900	68,1	34,5	0,37395	1,3306	
926	70,0	35,4	0,38244	1,33164	
956	72,1	36,5	0,39216	1,33284	
1000	75,2	38,0	0,40626	1,3346	
1056	79,2	40,0	0,42399	1,33684	
1200	89,5	45,1	0,46844	1,3426	
1500	111,0	55,8	0,55646	1,3546	
1656	123,1	61,6	0,61469	1,35469	

	1800	134,1	67,1	0,66945	1,35478
	1856	138,4	69,3	0,69102	1,35481
	2000	149,8	75,0	0,74724	1,35490
	2056	154,2	77,2	0,7694	1,35493
	2200	165,9	83,0	0,82719	1,35502
	2500	190,9	95,5	0,95154	1,3552
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100 h				
Resistance against minor impact	Class 0				

Essential characteristics	Performance				
Fire reaction	A1				
Release of dangerous substances	NO				
Max working pressure	10 bar				
Pressure tightness	No leakage at 1,3 x working pressure				
Pressure resistance	No leakage at 1,69 x working pressure				
Surface temperature	Max 110°C				
Rated thermal	3 COLUMNS				
	Measure [mm]	φ 50 [W]	φ 30 [W]	K <sub>m</sub>	n
	200	24,0	12,2	0,13882	1,3172
	207	24,8	12,7	0,14498	1,31408
	300	34,7	18,1	0,2388	1,2726
	356	40,5	21,1	0,27205	1,27906
	400	45,1	23,4	0,29655	1,28413
	406	45,7	23,7	0,29979	1,28483
	500	55,2	28,5	0,34742	1,29567
	556	60,9	31,3	0,37325	1,30213
	586	63,8	32,8	0,38635	1,30559
	600	65,2	33,5	0,3923	1,3072
	626	67,8	34,7	0,40307	1,3102
	656	70,8	36,2	0,41507	1,31366
	676	72,8	37,2	0,42282	1,31597
	750	80,0	40,7	0,44981	1,3245
	756	80,6	41,0	0,45189	1,32519
786	83,6	42,4	0,46203	1,32865	
856	90,4	45,7	0,48419	1,33673	
876	92,3	46,6	0,49015	1,33903	
900	94,6	47,7	0,49709	1,3418	

	926	97,2	48,9	0,50884	1,34253
	956	100,1	50,4	0,52229	1,34338
	1000	104,3	52,5	0,5418	1,34462
	1056	109,5	55,1	0,56625	1,34619
	1200	123,5	61,9	0,62735	1,35025
	1500	152,0	75,9	0,74693	1,3587
	1656	166,7	83,6	0,84894	1,34962
	1800	180,2	90,8	0,94858	1,34124
	1856	185,5	93,6	0,98882	1,33789
	2000	199,0	100,9	1,09629	1,3296
	2056	204,3	103,7	1,13969	1,32634
	2200	218,0	111,1	1,25556	1,31796
	2500	246,0	126,6	1,518	1,3005
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100 h				
Resistance against minor impact	Class 0				

Essential characteristics	Performance				
Fire reaction	A1				
Release of dangerous substances	NO				
Max working pressure	10 bar				
Pressure tightness	No leakage at 1,3 x working pressure				
Pressure resistance	No leakage at 1,69 x working pressure				
Surface temperature	Max 110°C				
Rated thermal	4 COLUMNS				
	Measure [mm]	$\phi$ 50 [W]	$\phi$ 30 [W]	$K_m$	n
	200	30,8	15,7	0,17563	1,3211
	207	32,0	16,3	0,18528	1,31715
	300	46,5	24,5	0,33198	1,2647
	356	54,1	28,2	0,37114	1,27346
	400	59,8	31,1	0,39911	1,28035
	406	60,5	31,5	0,40275	1,28129
	500	72,4	37,3	0,4547	1,296
	556	79,3	40,7	0,48154	1,30476
	586	83,0	42,5	0,49479	1,30946
	600	84,7	43,4	0,50071	1,31165
	626	87,9	44,9	0,51129	1,31572
656	91,6	46,6	0,52284	1,32041	

	676	94,0	47,8	0,53017	1,32354
	750	103,0	52,0	0,55484	1,33513
	756	104,0	52,4	0,55667	1,33606
	786	107,2	54,1	0,56552	1,34076
	856	115,6	58,0	0,58404	1,35171
	876	118,0	59,1	0,58882	1,35484
	900	121,0	60,4	0,59426	1,3586
	926	123,9	61,9	0,6116	1,35769
	956	127,5	63,7	0,63174	1,35664
	1000	133,0	66,4	0,66149	1,3551
	1056	139,3	69,8	0,69978	1,35314
	1200	156,2	78,5	0,80049	1,3481
	1500	191,0	96,6	1,02184	1,3376
	1656	209,7	105,5	1,08475	1,34568
	1800	227,0	113,5	1,13868	1,35314
	1856	233,3	116,7	1,15864	1,35604
	2000	250,3	124,7	1,20751	1,3635
	2056	256,9	127,8	1,22559	1,3664
	2200	274,1	135,9	1,26983	1,37386
	2500	310,0	152,5	1,35223	1,3894
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100 h				
Resistance against minor impact	Class 0				

Essential characteristics	Performance				
Fire reaction	A1				
Release of dangerous substances	NO				
Max working pressure	10 bar				
Pressure tightness	No leakage at 1,3 x working pressure				
Pressure resistance	No leakage at 1,69 x working pressure				
Surface temperature	Max 110°C				
Rated thermal	5 COLUMNS				
	Measure [mm]	$\phi$ 50 [W]	$\phi$ 30 [W]	$K_m$	n
	200	38,4	19,5	0,21098	1,3301
	207	39,7	20,1	0,21866	1,32937
	300	56,2	28,8	0,3236	1,3196
	356	65,4	33,3	0,37221	1,32143
	400	72,4	36,8	0,4092	1,32287

406	73,3	37,3	0,41417	1,32306	
500	87,7	44,6	0,48986	1,32613	
556	96,2	48,8	0,53321	1,32796	
586	100,7	51,1	0,55595	1,32894	
600	102,7	52,1	0,56645	1,3294	
626	106,6	54,0	0,58577	1,33025	
656	111,0	56,3	0,60779	1,33123	
676	114,0	57,7	0,6223	1,33188	
750	124,8	63,1	0,67491	1,3343	
756	125,7	63,6	0,6791	1,3345	
786	130,0	65,7	0,69992	1,33548	
856	140,0	70,7	0,74751	1,33776	
876	143,0	72,2	0,76086	1,33842	
900	146,4	73,9	0,77675	1,3392	
926	150,1	75,6	0,78923	1,34153	
956	154,4	77,7	0,8032	1,34421	
1000	160,6	80,7	0,82291	1,34815	
1056	168,5	84,4	0,8467	1,35316	
1200	188,8	93,9	0,90162	1,36605	
1500	230,4	113,1	0,99078	1,3929	
1656	251,9	124,4	1,13375	1,38123	
1800	272,0	134,9	1,27534	1,37046	
1856	279,3	139,0	1,33303	1,36627	
2000	299,0	149,6	1,48853	1,3555	
2056	306,7	153,8	1,55189	1,35131	
2200	326,4	164,6	1,72261	1,34054	
2500	367,0	187,4	2,11716	1,3181	
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100 h				
Resistance against minor impact	Class 0				

Essential characteristics	Performance
Fire reaction	A1
Release of dangerous substances	NO
Max working pressure	10 bar
Pressure tightness	No leakage at 1,3 x working pressure
Pressure resistance	No leakage at 1,69 x working pressure
Surface temperature	Max 110°C

	6 COLUMNS				
	Measure [mm]	ϕ 50 [W]	ϕ 30 [W]	K <sub>m</sub>	n
Rated thermal	200	47,2	24,1	0,27283	1,3172
	207	48,7	24,8	0,28099	1,31752
	300	67,7	34,5	0,38442	1,3218
	356	78,8	40,2	0,45566	1,31706
	400	87,3	44,6	0,51241	1,31333
	406	88,4	45,2	0,5202	1,31283
	500	106,0	54,5	0,64426	1,30487
	556	116,5	60,0	0,72005	1,30013
	586	121,9	62,8	0,76127	1,29759
	600	124,0	64,2	0,78066	1,2964
	626	129,1	66,7	0,81694	1,2942
	656	134,0	69,5	0,85923	1,29166
	676	138,0	71,4	0,8877	1,28997
	750	151,0	78,3	0,99491	1,2837
	756	152,0	78,9	1,00374	1,28319
	786	157,1	81,7	1,04819	1,28065
	856	169,0	88,1	1,15396	1,27473
	876	172,4	90,0	1,18473	1,27303
	900	176,4	92,1	1,22197	1,271
	926	180,7	94,1	1,22104	1,27738
	956	185,7	96,3	1,21889	1,28474
	1000	193,0	99,5	1,2138	1,29553
	1056	201,9	103,4	1,20433	1,30927
	1200	225,0	113,1	1,16725	1,3446
	1500	270,0	130,8	1,05173	1,4182
1656	292,5	142,6	1,19116	1,40684	
1800	313,0	153,2	1,32663	1,39636	
1856	320,4	157,3	1,38115	1,39228	
2000	340,0	167,8	1,52623	1,3818	
2056	347,2	171,8	1,58461	1,37772	
2200	366,0	182,0	1,73995	1,36724	
2500	403,0	202,9	2,08914	1,3454	
Characteristic curve	$\Phi = K_m \times \Delta T^n$				
Resistance against corrosion	No > 100 h				
Resistance against minor impact	Class 0				

- *System of assessment and verification of constancy of performance*: System 3
- *The environmental sustainability for the applicable essential characteristics*: view the document "EPD-PEP environmental declarations" at the following link <https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-2-colonne/>

<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-3-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-4-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-5-colonne/>  
<https://www.cordivari.it/prodotto/radiatore-tubolare-ardesia-6-colonne/>

- Version of the software used: OpenLCA version 2.4 and Ecoinvent v.3.11

**10. Declarations:**

- The performance of the product identified above is in conformity with the set of declared performances referred to in point 9;
- The sustainability data of the product identified above have been correctly calculated on the basis of the product category rules applicable to it.

Morro D'Oro, 07/01/2026

C.E.O.

Ercole Cordivari

