

1. Unique Identification code of product-type according to the EN 442-2:2014 Annex G:
Figure G.3 - Towel radiators.

2. Identification of the product in compliance to article 11, paragraph 4:

Trading name	Width (mm)	Height (mm)
Ardesia	2-3-4-5-6	200-207-300-356-400-406-500-556-586-600-626-656-676-750-756-786-856-876-900-926-956-1000-1056-1200-1500-1656-1800-1856-2000-2056-2200-2500

Product identification codes are positioned in the product package labels.

3. Intended use or uses of the construction product:

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).

4. Name and contact address of the manufacturer:

Cordivari Srl, Zona Industriale Pagliare 64020 Morro D'Oro (TE) – Italy.

5. Not relevant.

6. System of assessment and verification of contancy of performance:

System 3.

7. Notified laboratory:

POLITECNICO DI MILANO – Dipartimento di Energia (Notified body number: 1695)

CETIAT – CENTRE TECHNIQUE DES INDUSTRIES AERAULIQUES ET THERMIQUES.

According to System 3. They have run the tests according to standardized regulation UNI EN 442 and released us:

- Determination of the thermal power of an heating body
Test report N° ENE/MRT.RES.13029/13030 /13031/13032/13033 – 06/09/2013;
- Pressure resistance Test
Test report N° 1623 BQ 200 - 23/11/2005.

8. Not relevant.

9. Declared performance:

CHARACTERISTICS	PERFORMANCE	STANDARDIZED TECHNICAL SPECIFICATION
Fire reaction	A1	EN 442-1:2014

Release of dangerous substances	No					EN 442-1:2014
Max working pressure	10 bar					
Pressure tightness	1,3 x ps					
Resistance to pressure	1,69 x ps					
Surface temperature	Max 110°C					
Rated thermal outputs (W)	Dimension (mm)	φ 50	φ 30	K _m	n	
	2 sections					
	200	16,8	8,6	0,10145	1,30670	
	207	17,5	9,0	0,10721	1,30253	
	300	25,6	13,5	0,19452	1,24710	
	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	1,28690	
	600	47,1	24,4	0,30440	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	0,34310	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	1,33060	
	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	1,33460	
	1056	79,2	40,0	0,42399	1,33684	
	1200	89,5	45,1	0,46844	1,34260	
	1500	111,0	55,8	0,55646	1,35460	
	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	1,35479		
2056	154,2	77,2	0,76940	1,35493		
2200	165,9	83,0	0,82719	1,35502		
2500	190,9	95,5	0,95154	1,35520		
3 sections						
200	24	12,2	0,13882	1,31720		
207	24,8	12,7	0,14498	1,31408		

Rated thermal outputs (W)	300	34,7	18,1	0,23880	1,27260	EN 442-1:2014
	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	0,39230	1,30720	
	626	67,8	34,7	0,40307	1,31020	
	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	1,32450	
	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	1,34180	
	926	97,2	48,9	0,50884	1,34253	
	956	100,1	50,4	0,52229	1,34338	
	1000	104,3	52,5	0,54180	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	1,35870	
	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	1,32960	
	2056	204,3	103,7	1,13969	1,32634	
	2200	218,0	111,1	1,25556	1,31796	
	2500	246,0	126,6	1,51800	1,30050	
	4 sections					
	200	30,8	15,7	0,17563	1,32110	
	207	32,0	16,3	0,18528	1,31715	
	300	46,5	24,5	0,33198	1,26470	
	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	0,45470	1,29600		
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		

Rated thermal outputs (W)	750	103	52,0	0,55484	1,33513	EN 442-1:2014
	756	104	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	59,1	0,58882	1,35484	
	900	121	60,4	0,59426	1,35860	
	926	123,9	61,9	0,61160	1,35769	
	956	127,5	63,7	0,63174	1,35664	
	1000	133	66,4	0,66149	1,35510	
	1056	139,3	69,8	0,69978	1,35314	
	1200	156,2	78,5	0,80049	1,34810	
	1500	191	96,6	1,02184	1,33760	
	1656	209,7	105,5	1,08475	1,34568	
	1800	227	113,5	1,13868	1,35314	
	1856	233,3	116,7	1,15864	1,35604	
	2000	250,3	124,7	1,20751	1,36350	
	2056	256,9	127,8	1,22559	1,36640	
	2200	274,1	135,9	1,26983	1,37386	
	2500	310	152,5	1,35223	1,38940	
	5 sections					
	200	38,4	19,5	0,21098	1,33010	
	207	39,7	20,1	0,21866	1,32937	
	300	56,2	28,8	0,32360	1,31960	
	356	65,4	33,3	0,37221	1,32143	
	400	72,4	36,8	0,40920	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	1,32940	
	626	106,6	54,0	0,58577	1,33025	
	656	111	56,3	0,60779	1,33123	
	676	114	57,7	0,62230	1,33188	
	750	124,8	63,1	0,67491	1,33430	
	756	125,7	63,6	0,67910	1,33450	
	786	130	65,7	0,69992	1,33548	
	856	140	70,7	0,74751	1,33776	
	876	143	72,2	0,76086	1,33842	
	900	146,4	73,9	0,77675	1,33920	
	926	150,1	75,6	0,78923	1,34153	
956	154,4	77,7	0,80320	1,34421		
1000	160,6	80,7	0,82291	1,34815		
1056	168,5	84,4	0,84670	1,35316		
1200	188,8	93,9	0,90162	1,36605		

Rated thermal outputs (W)	1500	230,4	113,1	0,99078	1,39290	EN 442-1:2014
	1656	251,9	124,4	1,13375	1,38123	
	1800	272	134,9	1,27534	1,37046	
	1856	279,3	139,0	1,33303	1,36627	
	2000	299	149,6	1,48853	1,35550	
	2056	306,7	153,8	1,55189	1,35131	
	2200	326,4	164,6	1,72261	1,34054	
	2500	367	187,4	2,11716	1,1810	
	6 sections					
	200	47,2	24,1	0,27283	1,31720	
	207	48,7	24,8	0,28099	1,31752	
	300	67,7	34,5	0,38442	1,32180	
	356	78,8	40,2	0,45566	1,31706	
	400	87,3	44,6	0,51241	1,31333	
	406	88,4	45,2	0,52020	1,31283	
	500	106	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	64,2	0,78066	1,29640	
	626	129,1	66,7	0,81694	1,29420	
	656	134	69,5	0,85923	1,29166	
	676	138	71,4	0,88770	1,28997	
	750	151	78,3	0,99491	1,28370	
	756	152	78,9	1,00374	1,28319	
	786	157,1	81,7	1,04819	1,28065	
	856	169	88,1	1,15396	1,27473	
	876	172,4	90,0	1,18473	1,27303	
	900	176,4	92,1	1,22197	1,27100	
	926	180,7	94,1	1,22104	1,27738	
	956	185,7	96,3	1,21889	1,28474	
	1000	193	99,5	1,21380	1,29553	
	1056	201,9	103,4	1,20433	1,30927	
	1200	225	113,1	1,16725	1,34460	
	1500	270	130,8	1,05173	1,41820	
	1656	292,5	142,6	1,19116	1,40684	
	1800	313	153,2	1,32663	1,39636	
	1856	320,4	157,3	1,38115	1,39228	
	2000	340	167,8	1,52623	1,38180	
	2056	347,2	171,8	1,5461	1,37772	
	2200	366	182,0	1,73995	1,36724	
2500	403	202,9	2,08914	1,34540		
Characteristic curve	$\Phi = K_m \times \Delta T^n$					
Resistance against corrosion	No > 100 h					

Resistance against minor impact	Class 0	
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10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. Present declaration is released under exclusive responsibility of the Manufacturer in accordance to point 4.

Morro D'Oro, Rev.01 21/01/2020

C.E.O.

Ercole Cordivari
