

HEAT TRANSFER RATE Q [W] COIL - T 80

		1 min. speed			2 med. speed			3 max. speed				
		length L (mm)		900	length L (mm)		900	length L (mm)		900		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 017	943	914	90	1 225	1 136	1 101	90	1 580	1 465	1 419
	80	870	797	767	80	1 047	959	924	80	1 350	1 237	1 192
	70	724	652	624	70	872	786	751	70	1 124	1 013	968
	50	441	372	345	50	531	449	416	50	685	578	536
		length L (mm)		1000	length L (mm)		1000	length L (mm)		1000		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 187	1 100	1 066	90	1 430	1 325	1 284	90	1 843	1 709	1 655
	80	1 015	929	895	80	1 222	1 119	1 078	80	1 576	1 443	1 390
	70	845	761	728	70	1 017	916	876	70	1 312	1 182	1 130
	50	515	435	403	50	620	523	485	50	799	675	626
		length L (mm)		1250	length L (mm)		1250	length L (mm)		1250		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 611	1 493	1 447	90	1 940	1 799	1 743	90	2 502	2 319	2 247
	80	1 377	1 261	1 215	80	1 658	1 519	1 464	80	2 138	1 959	1 887
	70	1 146	1 033	987	70	1 381	1 244	1 189	70	1 780	1 604	1 533
	50	698	590	547	50	841	710	659	50	1 084	916	849
		length L (mm)		1500	length L (mm)		1500	length L (mm)		1500		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	2 035	1 887	1 827	90	2 451	2 272	2 201	90	3 160	2 930	2 838
	80	1 739	1 593	1 535	80	2 095	1 919	1 849	80	2 701	2 474	2 384
	70	1 448	1 304	1 247	70	1 744	1 571	1 502	70	2 249	2 026	1 937
	50	882	745	691	50	1 063	897	832	50	1 370	1 157	1 073
		length L (mm)		1750	length L (mm)		1750	length L (mm)		1750		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	2 459	2 280	2 208	90	2 961	2 746	2 660	90	3 818	3 540	3 429
	80	2 102	1 925	1 855	80	2 531	2 319	2 234	80	3 264	2 989	2 880
	70	1 750	1 576	1 507	70	2 108	1 898	1 815	70	2 717	2 448	2 340
	50	1 066	900	835	50	1 284	1 084	1 005	50	1 655	1 398	1 296
		length L (mm)		2000	length L (mm)		2000	length L (mm)		2000		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	2 883	2 673	2 589	90	3 472	3 219	3 118	90	4 476	4 150	4 020
	80	2 464	2 257	2 175	80	2 968	2 718	2 619	80	3 826	3 505	3 377
	70	2 051	1 848	1 767	70	2 471	2 226	2 128	70	3 186	2 870	2 744
	50	1 250	1 055	978	50	1 505	1 271	1 178	50	1 941	1 639	1 519
		length L (mm)		2500	length L (mm)		2500	length L (mm)		2500		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	3 730	3 459	3 350	90	4 493	4 166	4 035	90	5 793	5 371	5 203
	80	3 189	2 921	2 814	80	3 841	3 518	3 389	80	4 952	4 536	4 370
	70	2 655	2 391	2 287	70	3 198	2 880	2 754	70	4 123	3 714	3 551
	50	1 617	1 366	1 266	50	1 948	1 645	1 525	50	2 511	2 121	1 966
		length L (mm)		3000	length L (mm)		3000	length L (mm)		3000		
		mean air temperature tA			mean air temperature tA			mean air temperature tA				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	4 578	4 245	4 112	90	5 514	5 113	4 953	90	7 110	6 592	6 385
	80	3 913	3 584	3 454	80	4 713	4 317	4 160	80	6 077	5 566	5 363
	70	3 258	2 935	2 806	70	3 924	3 535	3 380	70	5 060	4 558	4 358
	50	1 985	1 676	1 554	50	2 391	2 019	1 872	50	3 082	2 603	2 413

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COIL -T80

CHARACTERISTICS

- ✘ for heating dry interiors
- ✘ very low MINIB convector (only 80 mm in the floor)
- ✘ supplied with any aluminium or wooden grille

DIMENSIONS

total width	243 mm
construction height	80 mm
length	900 to 3000 mm

USAGE

Designed for individual use in dry interiors with higher heating demands on intensity of heating and low construction height requirements (up to 80 mm) when the deeper COIL-KT or COIL-KT3 units cannot be used.

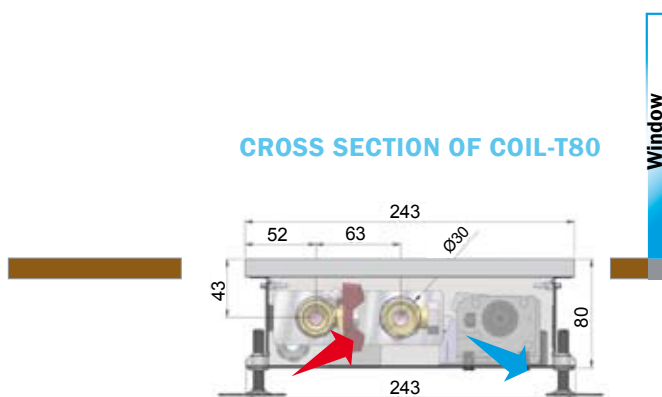
TEMPERATURE EQUATION

$$Q = Q_N \left(\frac{t_w - t_A}{50} \right)^m$$

where:

- m=** 1,0966 temperature exponent
- t_w** mean heating water temperature, [°C]
- t_A** mean air temperature [°C]
- Q_N** nominal heat transfer rate for difference of temperatures $t_w - t_A = 50$ °C [W]
- Q** heat transfer rate for other temperatures [W]

CROSS SECTION OF COIL-T80



LONGITUDINAL SECTION COIL-T80

