

COIL - KP

CHARACTERISTICS

- ✘ heating output higher than 2.3 kW for 1.5 m long convector
- ✘ heating of dry interiors
- ✘ the convector is designed for installation into the window sill incl. the window sill
- ✘ the sill is only supplied in beech or oak design without wood surface finish.

DIMENSIONS

total width 272 mm
 construction height 135 mm incl. the window sill
 length L 900 to 1500 mm

USAGE

The MINIB window sill convector is suitable for all types of windows with a sill of a minimum depth of 250 mm.

TEMPERATURE EQUATION

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

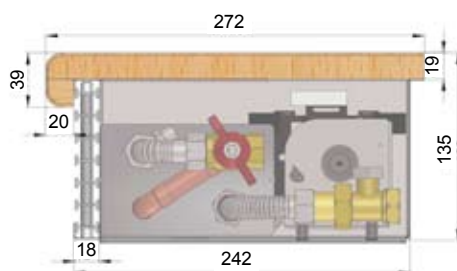
where:

- m**= 1,0365 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]

HEAT TRANSFER RATE Q [W] COIL - KP

		1 min. speed			2 med. speed			3 max. speed				
		length L (mm) 900			length L (mm) 900			length L (mm) 900				
		mean air temperature t _A			mean air temperature t _A			mean air temperature t _A				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 144	1 065	1 033	90	1 432	1 333	1 294	90	1 769	1 647	1 598
	80	986	907	876	80	1 235	1 136	1 097	80	1 525	1 404	1 355
	70	829	751	720	70	1 038	941	902	70	1 282	1 162	1 114
	50	519	442	412	50	650	554	516	50	803	684	637
		length L (mm) 1000			length L (mm) 1000			length L (mm) 1000				
		mean air temperature t _A			mean air temperature t _A			mean air temperature t _A				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 334	1 242	1 205	90	1 671	1 556	1 510	90	2 064	1 921	1 864
	80	1 150	1 059	1 022	80	1 441	1 326	1 280	80	1 779	1 637	1 581
	70	967	876	840	70	1 212	1 098	1 052	70	1 496	1 355	1 299
	50	606	516	480	50	758	646	602	50	937	798	743
		length L (mm) 1250			length L (mm) 1250			length L (mm) 1250				
		mean air temperature t _A			mean air temperature t _A			mean air temperature t _A				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	1 811	1 686	1 636	90	2 268	2 111	2 049	90	2 801	2 607	2 530
	80	1 561	1 437	1 387	80	1 955	1 799	1 737	80	2 414	2 222	2 146
	70	1 313	1 189	1 140	70	1 644	1 490	1 428	70	2 031	1 840	1 763
	50	822	700	652	50	1 029	877	817	50	1 271	1 083	1 009
		length L (mm) 1500			length L (mm) 1500			length L (mm) 1500				
		mean air temperature t _A			mean air temperature t _A			mean air temperature t _A				
		15	20	22	15	20	22	15	20	22		
mean water temperature t _w	90	2 287	2 129	2 066	90	2 864	2 667	2 588	90	3 538	3 293	3 196
	80	1 972	1 815	1 752	80	2 469	2 273	2 194	80	3 050	2 807	2 710
	70	1 658	1 502	1 440	70	2 077	1 882	1 804	70	2 565	2 324	2 227
	50	1 038	885	824	50	1 300	1 108	1 032	50	1 606	1 368	1 274

CROSS SECTION OF COIL-KP



LONGITUDINAL SECTION COIL-KP

