



COIL – KO

CHARACTERISTICS

- ✘ the most popular convector with the fan
- ✘ for heating wet interiors
- ✘ high heat output
- ✘ also heating when the fan is switched off

DIMENSIONS

total width	303 mm
construction height	125 mm
length L	900 to 3000 mm

USAGE

The universal MINIB convector for wet applications. The convector produces high levels of heat out-put with the 12V fan switched on but it also heats – tempers the interior when the fan is switched off with the heat output of ca. 300W/1m. A high heat output and ability to keep low levels of natural convection when the fan is switched off provide a wide range of uses for interiors with a variety of safety and heating demands.

Thanks to **the voltage 12 V** (AC motor) the all MINIB convectors are also safe for applications in wet areas. COIL-KO is supplied with the 18mm diameter tube placed in the front of the convector to ensure water drainage from the drain pan. **The convector cannot be installed to swimming pools with salt or other aggressive water.** The convector is equipped with 12V AC motors; recommended control A1 or E1.

An example of connection and bridging of several convectors with a copper drain tube is shown on page no. 102.

TEMPERATURE EXPONENT

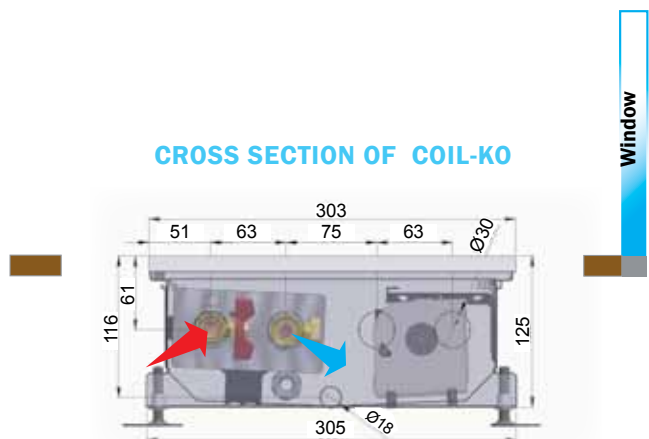
$m = 1,012688$

ELECTRIC INPUT FOR FANS

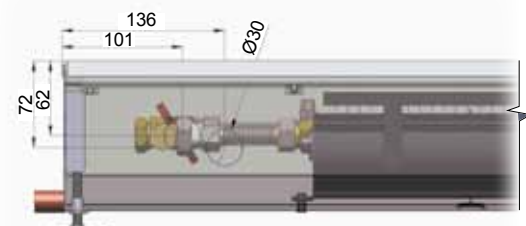
length	power input
900	32 VA
1000	37 VA
1250	37 VA
1500	64 VA
1750	74 VA
2000	74 VA
2500	106 VA
3000	111 VA



CROSS SECTION OF COIL-KO



LONGITUDINAL SECTION OF COIL-KO



HEAT TRANSFER RATE Q [W] COIL – KO

		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	1 341	1 251	1 215	90	1 465	1 366	1 327	90	1 634	1 524	1 480
	70	980	890	854	70	1 070	972	933	70	1 194	1 084	1 040
	60	800	710	674	60	874	775	736	60	974	865	821
	45	530	441	405	45	579	482	443	45	646	537	494
		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	1 565	1 459	1 417	90	1 710	1 594	1 548	90	1 906	1 778	1 726
	70	1 143	1 038	996	70	1 249	1 134	1 088	70	1 392	1 264	1 213
	60	933	828	786	60	1 019	905	859	60	1 136	1 009	958
	45	619	514	473	45	676	562	516	45	754	627	576
		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	2 124	1 981	1 923	90	2 320	2 164	2 101	90	2 587	2 413	2 343
	70	1 551	1 409	1 352	70	1 695	1 539	1 476	70	1 890	1 716	1 646
	60	1 266	1 124	1 067	60	1 383	1 228	1 165	60	1 542	1 369	1 300
	45	840	698	642	45	917	763	701	45	1 023	850	782
		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	2 683	2 502	2 430	90	2 931	2 733	2 654	90	3 268	3 047	2 959
	70	1 960	1 779	1 707	70	2 141	1 944	1 865	70	2 387	2 167	2 080
	60	1 599	1 420	1 348	60	1 747	1 551	1 472	60	1 948	1 729	1 642
	45	1 061	882	811	45	1 159	963	885	45	1 292	1 074	987
		length L (mm) 1750			length L (mm) 1750			length L (mm) 1750				
		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	3 242	3 023	2 936	90	3 541	3 302	3 207	90	3 949	3 682	3 576
	70	2 368	2 150	2 063	70	2 587	2 349	2 254	70	2 884	2 619	2 513
	60	1 933	1 715	1 628	60	2 111	1 874	1 779	60	2 354	2 089	1 984
	45	1 282	1 066	979	45	1 400	1 164	1 070	45	1 561	1 298	1 193
		length L (mm) 2000			length L (mm) 2000			length L (mm) 2000				
		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	3 801	3 544	3 442	90	4 152	3 872	3 760	90	4 630	4 317	4 192
	70	2 776	2 521	2 419	70	3 033	2 754	2 642	70	3 382	3 071	2 946
	60	2 266	2 011	1 909	60	2 475	2 197	2 085	60	2 760	2 450	2 326
	45	1 503	1 249	1 148	45	1 641	1 365	1 254	45	1 830	1 522	1 399
		length L (mm) 2500			length L (mm) 2500			length L (mm) 2500				
		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	4 919	4 587	4 454	90	5 373	5 010	4 865	90	5 991	5 587	5 425
	70	3 593	3 262	3 130	70	3 925	3 563	3 419	70	4 376	3 974	3 813
	60	2 932	2 602	2 471	60	3 203	2 843	2 699	60	3 572	3 170	3 010
	45	1 945	1 617	1 486	45	2 124	1 766	1 623	45	2 369	1 969	1 810
		length L (mm) 3000			length L (mm) 3000			length L (mm) 3000				
		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	6 037	5 629	5 466	90	6 594	6 149	5 971	90	7 353	6 857	6 658
	70	4 409	4 004	3 842	70	4 817	4 373	4 196	70	5 371	4 877	4 679
	60	3 599	3 194	3 032	60	3 931	3 489	3 312	60	4 383	3 890	3 694
	45	2 387	1 984	1 824	45	2 607	2 168	1 992	45	2 907	2 417	2 221