



# Heat exchanger EXE & DLL

The **neutral HES software** includes 9 applications, that can be downloaded, installed and tested by [www.zcs.ch](http://www.zcs.ch) for 30 days free of charge without restrictions. After opening, a gray window will appear, where you just have to click on the **Register Later** button. After purchasing the software, it will be unlocked and the gray window will no longer appear.

1. Fin coil air Heaters
2. Fin coil air Coolers
3. Fin coil condensers
4. Fin coil injection evaporators
5. Heat recovery system CCSB
6. Heat recovery system CCSD
7. Heat recovery system CCSF
8. Coupling for positions 1 to 4
9. Coupling for positions 5 to 7

6 interactive languages (German, English, French, Italian, Spanish, Russian). Calculate 40 different fin coil geometries in 1 second. Compare prices, weights, contents, installation lengths and pressure drops. Neutral DLL offers the same possibilities as the EXE.

Tube interval on the height		Tube interval on the depth		Tube diameter	Tube diameter	Tube thickness	Tube arrangement	Fin stamp	Fin thickness	Corrugated fin height	Corrugated fin region	Fin stamp	Number of fin creases	Price
S1 mm	S2 mm	DA mm	da mm	S mm	T ---	F ---	Ld mm	Lh mm	Lc mm	Lw mm	Ln	Piece	P EUR	
0.000	35.000	15.400	15.400	0.350	1	1	0.200	0.500	33.000	3	7		21636	
7.500	32.476	13.100	13.100	0.350	1	1	0.200	1.200	30.476	4	9		20539	
2.000	27.713	12.400	12.400	0.350	1	1	0.200	1.000	25.713	3	7		20148	
0.000	25.981	12.400	12.400	0.350	1	1	0.200	1.000	23.981	3	7		19680	
5.000	21.651	10.400	10.400	0.350	1	1	0.200	0.500	19.651	3	7		21552	
0.000	50.000	15.400	15.400	0.350	2	1	0.200	0.500	48.000	3	7		24672	
5.000	35.000	12.400	12.400	0.350	2	1	0.200	0.500	33.000	3	7		22220	
2.000	32.000	12.400	12.400	0.350	2	1	0.200	1.000	30.000	3	7		22497	
0.000	30.000	12.400	12.400	0.350	2	1	0.200	1.000	28.000	3	7		22327	
5.000	25.000	10.400	10.400	0.350	2	1	0.200	1.000	23.000	3	7		22316	
0.000	34.641	16.400	16.400	0.350	1	2	0.200	2.600	40.000	4	10		18092	
5.000	30.311	12.400	12.400	0.350	1	2	0.200	2.600	35.000	4	10		17288	
3.333	28.867	12.400	12.400	0.350	1	2	0.200	2.600	33.333	4	10		17355	
0.000	25.981	12.450	12.450	0.350	1	2	0.200	2.600	30.000	4	10		17769	
5.000	21.651	10.400	10.400	0.350	1	2	0.200	2.600	25.000	4	10		17462	
0.000	40.000	16.400	16.400	0.350	2	2	0.200	2.600	40.000	4	10		20219	
5.000	35.000	13.100	13.100	0.350	2	2	0.200	2.600	35.000	4	10		19991	
2.000	32.000	12.400	12.400	0.350	2	2	0.200	2.600	32.000	4	10		19514	
0.000	30.000	12.400	12.400	0.350	2	2	0.200	2.600	30.000	4	10		18894	
5.000	25.000	10.400	10.400	0.350	2	2	0.200	2.600	25.000	4	10		18490	

Price	Weight	Volume	Frame depth	Fin depth	Pressure drop	Pressure drop	Factor
P EUR	W kg	V l	RT mm	LT mm	Air Pa	Agent Pa	T/C
21636	1346	540	1260	2.7	230	274.52	28.40
20539	1254	420	1180	2.8	329	247.87	25.43
20148	1144	412	1000	2.6	253	333.97	29.98
19680	1091	408	920	2.5	276	314.18	25.71
21552	1073	386	900	2.7	210	380.29	39.58
24672	1819	467	1760	2.5	199	357.87	36.90
22220	1397	402	1240	2.6	173	369.02	37.08
22497	1336	438	1180	2.6	220	291.56	29.98
22327	1260	466	1120	2.8	210	374.21	38.13
22316	1159	386	980	2.7	206	380.33	39.58
18092	1153	464	980	2.5	185	381.19	39.88
17288	1089	306	880	2.5	156	368.97	36.72
17355	1062	318	860	2.5	159	362.83	37.82
17769	1018	356	800	2.6	167	297.04	30.73
17462	922	294	720	2.8	152	372.69	38.63
20219	1330	501	1140	2.6	156	359.88	35.15
19991	1296	368	1050	2.5	139	299.30	23.83
19514	1204	359	980	2.5	131	327.11	30.56
18894	1141	352	880	2.5	134	303.02	31.36
18490	1031	294	780	2.7	119	372.66	38.63

## 30-day demo window

Thank you for choosing ZCS product - Single License!  
This product is trial unregistered version for limited period of 30 days!

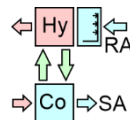
The Registration ID below is required to register the software with ZCS.  
If you like to order only, please, send your Registration ID to [info@zcs.ch](mailto:info@zcs.ch) by select/copy/paste and not as a bitmap to avoid transcription errors.

If you have already registered the product, please enter your License Key and then click the OK button.

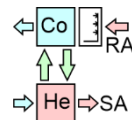
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License Key:

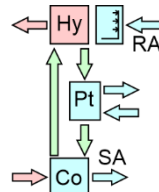
### CCSB-Summer



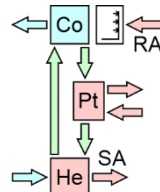
### CCSB-Winter



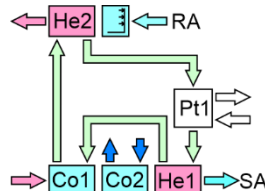
### CCSD-Summer



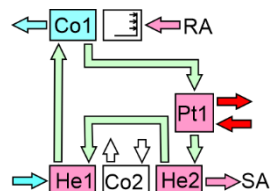
### CCSD-Winter



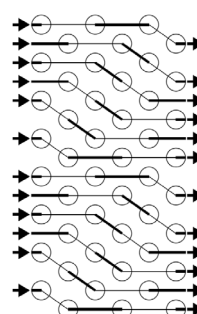
### CCSF-Summer



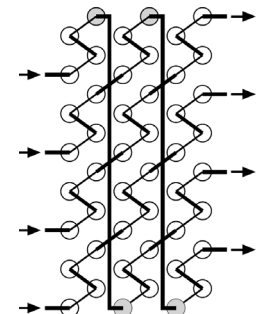
### CCSF-Winter



### Coupling 1 to 4



### Coupling 5 to 7



All EXE and DLL were developed in the high-level language C# and offer results within 1 second.

Before the turn of the millennium, results were possible in Excel in 1 minute. Then Microsoft packed so much nonsense into Excel, that you have to wait 10 minutes for results. This is the reason, why we are now successively developing all Excel applications in C#.