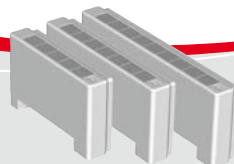


# BOX and BOXH composite technical data

Technical data. Chiller BOX and BOXH with a water coil	Single					Double			
<b>Capacity and sound data / sound pressure level max. 35 dB(A) at medium speed</b>	<b>20 B</b>	<b>40 B</b>	<b>60 B</b>	<b>41 B*</b>	<b>61 B*</b>	<b>100 A</b>	<b>120 A</b>	<b>101 A*</b>	<b>121 A*</b>
Cooling capacity W (27° C 50 %, water 7/12° C, wet cooling)	1600	2590	3250	1600	2590	4580	5160	2640	4580
Cooling capacity W (25° C 50 %, water 7/12° C, wet cooling)	1240	2270	2630	1240	2270	3680	4180	2060	3680
Cooling capacity W (25° C 50 %, water 10/15° C, half-dry cooling)	800	1420	1860	800	1420	2340	2980	1320	2340
Cooling capacity W (25° C 50 %, water 15/18° C, half-dry cooling)	550	980	1140	550	980	1560	1770	910	1560
Cooling capacity W (25° C 50 %, water 8/18° C, wet cooling)	660	1440	1680	660	1440	2320	2760	1090	2320
Heating capacity W (21° C 50 %, water 60/40° C)	1800	3620	4200	1820	1860	5840	6740	2980	3060
Air flow l/s	106	106	106	106	106	161	161	161	161
Sound power level dB(A)	38,3	38,3	38,3	38,3	38,3	38,0	38,0	38,0	38,0
Sound pressure level dB(A) 10 m² Sabine	34,3	34,3	34,3	34,3	34,3	34,0	34,0	34,0	34,0
Sound pressure level dB(A) 100 m³ room with 0,5 s reverberation time	29,3	29,3	29,3	29,3	29,3	29,0	29,0	29,0	29,0
<b>Electrical data / sound pressure level max. 35 dB(A) at medium speed</b>	<b>20 A</b>	<b>40 A</b>	<b>60 A</b>	<b>41 A*</b>	<b>61 A*</b>	<b>100 A</b>	<b>120 A</b>	<b>101 A*</b>	<b>121 A*</b>
Power input W	24	24	24	24	24	33	33	33	33
Operating current A	0,10	0,10	0,10	0,10	0,10	0,14	0,14	0,14	0,14
Max. current A	0,19	0,19	0,19	0,19	0,19	0,38	0,38	0,38	0,38
Current type V-ph-Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
<b>Capacity and sound data / sound pressure level more than 40 dB(A) at medium speed</b>	<b>20 C</b>	<b>40 C</b>	<b>60 C</b>	<b>61 C*</b>	<b>60 D</b>	<b>100 C</b>	<b>120 C</b>	<b>121 C*</b>	<b>120 D</b>
Cooling capacity W (27° C 50 %, water 7/12° C, wet cooling)	-	3210	4150	3210	5300	6120	7880	6120	10040
Cooling capacity W (25° C 50 %, water 7/12° C, wet cooling)	1350	2500	3330	2500	4230	4780	6320	4780	8020
Cooling capacity W (25° C 50 %, water 10/15° C, half-dry cooling)	960	1740	2070	1740	2580	3340	3940	3340	4920
Cooling capacity W (25° C 50 %, water 15/18° C, half-dry cooling)	660	1240	1430	1240	1860	2360	2700	2360	3500
Cooling capacity W (25° C 50 %, water 8/18° C, wet cooling)	780	1650	2130	1650	2730	3160	4040	3160	5160
Heating capacity W (21° C 50 %, water 60/40° C)	2250	4380	5380	2290	6960	8320	10180	4380	13160
Air flow l/s	143	143	143	143	196	268	268	268	365
Sound power level dB(A)	45,9	45,9	45,9	45,9	57,5	54,4	51,4	51,4	63,0
Sound pressure level dB(A) 10 m² Sabine	41,9	41,9	41,9	41,9	53,5	47,4	47,4	47,4	59,0
Sound pressure level dB(A) 100 m³ room with 0,5 s reverberation time	36,9	36,9	36,9	36,9	49,5	42,4	42,4	42,4	54,0
Sound pressure level dB(A) 160 m³ room with 0,5 s reverberation time	33,9	33,9	33,9	33,9	46,5	39,4	39,4	39,4	51,0
<b>Electrical data / sound pressure level more than 40 dB(A) at medium speed</b>	<b>20 C</b>	<b>40 C</b>	<b>60 C</b>	<b>61 C</b>	<b>60 D</b>	<b>100 C</b>	<b>120 C</b>	<b>121 C</b>	<b>120 D</b>
Power input W	40	40	40	40	62	77	77	77	110
Operating current A	0,17	0,17	0,17	0,17	0,27	0,33	0,33	0,33	0,48
Max. current A	0,19	0,19	0,19	0,19	0,30	0,38	0,38	0,38	0,60
Current type V-ph-Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
<b>Dimensions (mm) and weight with water charge (kg)</b>	<b>20</b>	<b>40/41</b>	<b>60/61</b>			<b>100/101</b>	<b>120/121</b>		
Cabinet dimensions	585x585x300	585x585x300	585x585x300			585x1178x300	585x1178x300		
BOXH cabinet dimensions	585x585x388	585x585x388	585x585x388			585x1178x388	585x1178x388		
Grille dimensions	625x625x25	625x625x25	625x625x25			1225x625x25	1225x625x25		
Weight	25,5	26,5	27,5			53,0	55,0		

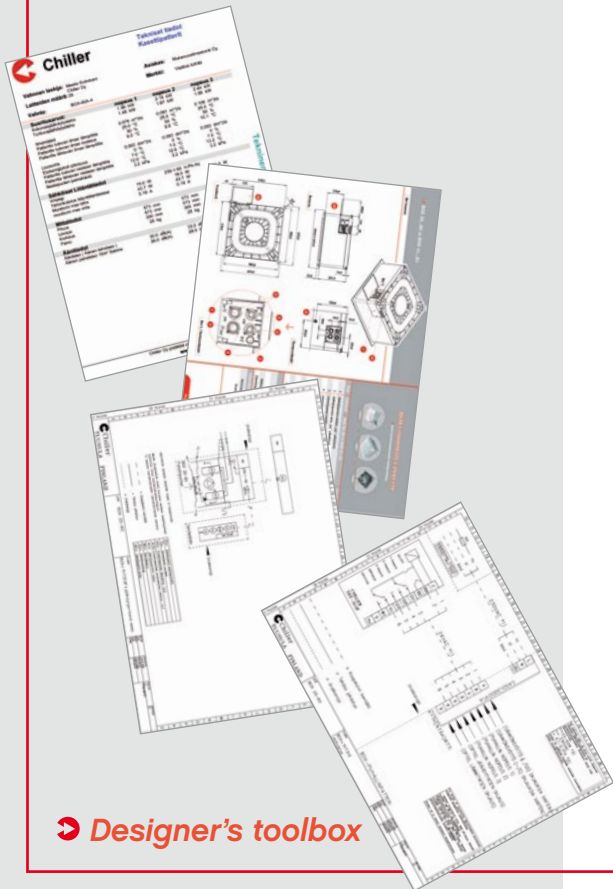
\* One coil's row reserved for heating (4-pipe system).  
 · Chiller Oy reserves the right to make changes without advance notice!



Chiller air-conditioning solutions

## Chiller Selection program

- Technical data
- Dimensioned drawing
- Operating diagram
- Electrical diagram



# Cooling equipment

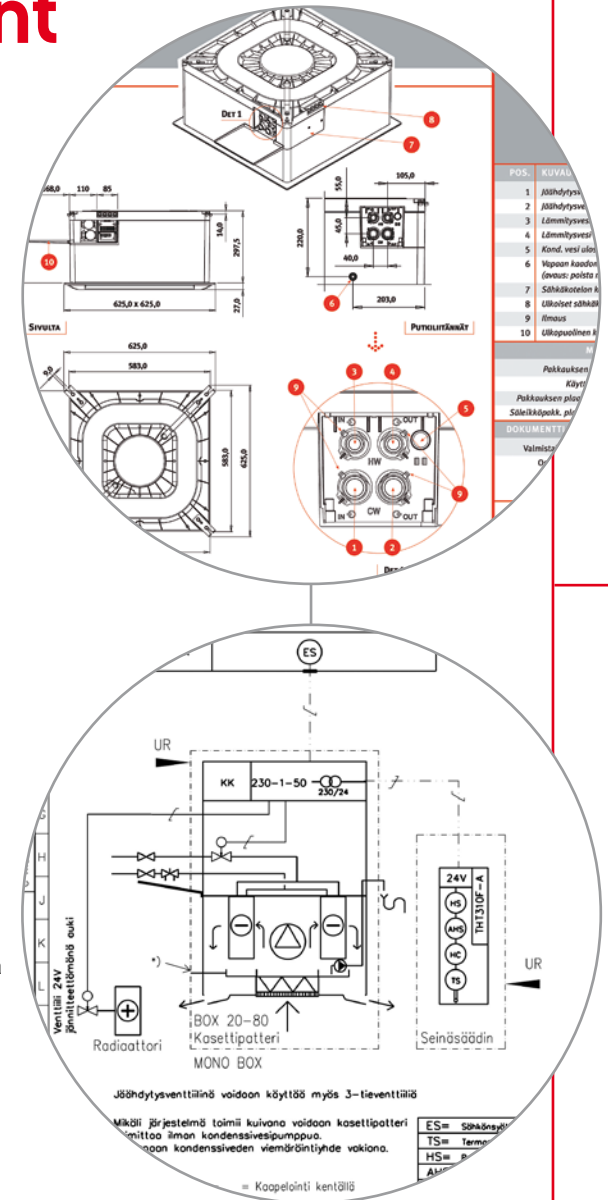
A cassette fan coil that blows in four directions has been installed in the room for cooling purposes. The cassette has been protected for the work site at the factory. For sites without a ceiling, the device is equipped with an external casing, whose colour is certain RAL. The cassette fan coil includes the following accessories as factory installation:

- 3-speed fan
- bent heat exchanger, where the minimum wall strength of the copper pipe is 0,35 mm
- layer filter
- soundproof box
- internal condensate-water tray with a service connection
- external condensate-water connection
- external condensate-water tray
- 24 V relay card that controls fan rpm

### Selected device BOX

- Temperature C / % of air coming to the fan coil
- Cooling liquid Water
- Total cooling capacity min kW
- Total cooling capacity med kW
- Total cooling capacity max kW
- Temperature C of incoming liquid
- Temperature C of outgoing liquid
- Liquid flow l/s
- Pressure loss kPa at water side of the fan coil
- Sound power level min dB(A)
- Sound pressure level 10m2 Sabine, min dB(A)
- Sound power level med dB(A)
- Sound power level max dB(A)
- Sound pressure level 10m2 Sabine, min dB(A)
- Sound pressure level 10m2 Sabine, med dB(A)
- Sound pressure level 10m2 Sabine, max dB(A)
- Pressure loss of the control valve of the fan coil max 10 kPa

The cassette fan coil is equipped with a rotary condensate-water pump. A 2-way valve is installed inside the cassette fan coil. The device is controlled with a wall controller (24 V), which can be connected with a 2-way valve 24 V NO of the heating radiator. The controller is equipped with both manual and automatic speed adjustment as standard. It must be possible to set a presence and absence temperature with an external message sent by building automation. (See the operating diagram)



Dimensioned drawings from our home page

Operating diagrams from our home page