

StudioLine™ technical data

StudioLine™ flat blower units, technical data

Device type SH/SV; sound pressure level less than 30 dB(A)	7 - 40	7 - 60	9 - 40	9 - 60	10 - 40	10 - 60
Cooling tot. cap. W (27 °C 50 %, water 7/12 °C, wet cooling)	1800	1970	1810	2120	2580	2930
Cooling tot. cap. W (25 °C 50 %, water 7/12 °C, wet cooling)	1470	1620	1570	1740	2100	2430
Cooling tot. cap. W (25 °C 50 %, water 10/15 °C, half-dry cooling)	970	1180	1050	1280	1500	1690
Cooling tot. cap. W (25 °C 50 %, water 15/18 °C, dry cooling)	600	660	640	700	890	950
Cooling tot. cap. W (25 °C 50 %, water 8/18 °C, wet cooling)	890	1080	1000	1150	1280	1570
Heating capacity W (20 °C 50 %, water 60/40 °C)	2310	2550	2470	2780	3420	3810
Air flow l/s	58	58	62	62	84	84
Sound power level dB(A)	33,5	33,5	29,0	29,0	30,0	30,0
Sound pressure level dB(A) 10 m2 Sabine	29,5	29,5	25,0	25,0	26,0	26,0
Sound pressure level dB(A) 100 m2 room, reverberation time 0,5 s	24,5	24,5	20,0	20,0	21,0	21,0
Sound pressure level dB(A) 160 m2 room, reverberation time 0,5 s	22,5	22,5	18,0	18,0	19,0	19,0

Device type SH/SV electrical data; noise pressure level less than 30 dB(A)	7 - 40	7 - 60	9 - 40	9 - 60	10 - 40	10 - 60
Connected load W	14	14	15	15	19	19
Operating current A	0,10	0,10	0,10	0,10	0,10	0,10
Power type V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

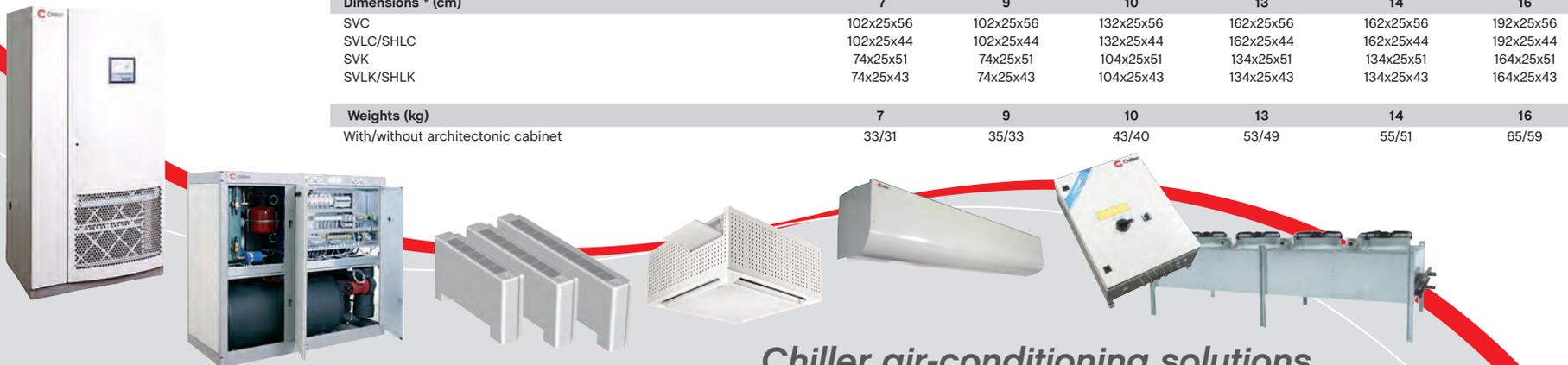
Device type SH and SV / sound pressure level less than 30 dB(A)	13 - 40	13 - 60	14 - 40	14 - 60	16 - 40	16 - 60
Cooling tot. cap. W (27 °C 50 %, water 7/12 °C, wet cooling)	2920	3230	3350	3760	4000	4350
Cooling tot. cap. W (25 °C 50 %, water 7/12 °C, wet cooling)	2390	2690	2740	3120	3290	3600
Cooling tot. cap. W (25 °C 50 %, water 10/15 °C, half-dry cooling)	1610	1910	1830	2200	2230	2640
Cooling tot. cap. W (25 °C 50 %, water 15/18 °C, dry cooling)	960	1040	1120	1210	1320	1430
Cooling tot. cap. W (25 °C 50 %, water 8/18 °C, dry cooling)	1490	1780	1690	2040	2060	2470
Heating capacity W (20 °C 50 %, water 60/40 °C)	3810	4160	4400	4850	5120	5660
Air flow l/s	90	90	106	106	124	124
Sound power level dB(A)	29,0	29,0	30,5	30,5	31,5	31,5
Sound pressure level dB(A) 10 m2 Sabine	25,0	25,0	26,5	26,5	27,5	27,5
Sound pressure level dB(A) 100 m2 room, reverberation time 0,5 s	20,0	20,0	21,5	21,5	22,5	22,5
Sound pressure level dB(A) 160 m2 room, reverberation time 0,5 s	18,0	18,0	19,5	19,5	20,5	20,5

Device type SH and SV, electrical data	13 - 40	13 - 60	14 - 40	14 - 60	16 - 40	16 - 60
Connected load W	19	19	33	33	27	27
Operating current A	0,10	0,10	0,14	0,14	0,12	0,12
Power type V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

Dimensions * (cm)	7	9	10	13	14	16
SVC	102x25x56	102x25x56	132x25x56	162x25x56	162x25x56	192x25x56
SVLC/SHLC	102x25x44	102x25x44	132x25x44	162x25x44	162x25x44	192x25x44
SVK	74x25x51	74x25x51	104x25x51	134x25x51	134x25x51	164x25x51
SVLK/SHLK	74x25x43	74x25x43	104x25x43	134x25x43	134x25x43	164x25x43

Weights (kg)	7	9	10	13	14	16
With/without architectonic cabinet	33/31	35/33	43/40	53/49	55/51	65/59

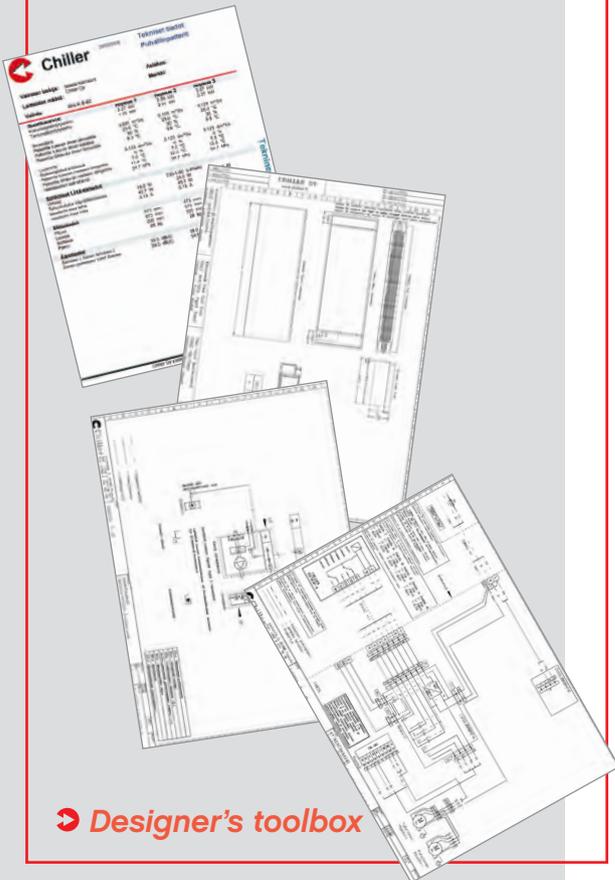
* Detailed dimensions from your authorized reseller.
4-pipe fan coil data is available from an authorized reseller.
Chiller Oy reserves the right to make changes without advance notice!



Chiller air-conditioning solutions

Chiller Selection program

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



Cooling/heating devices

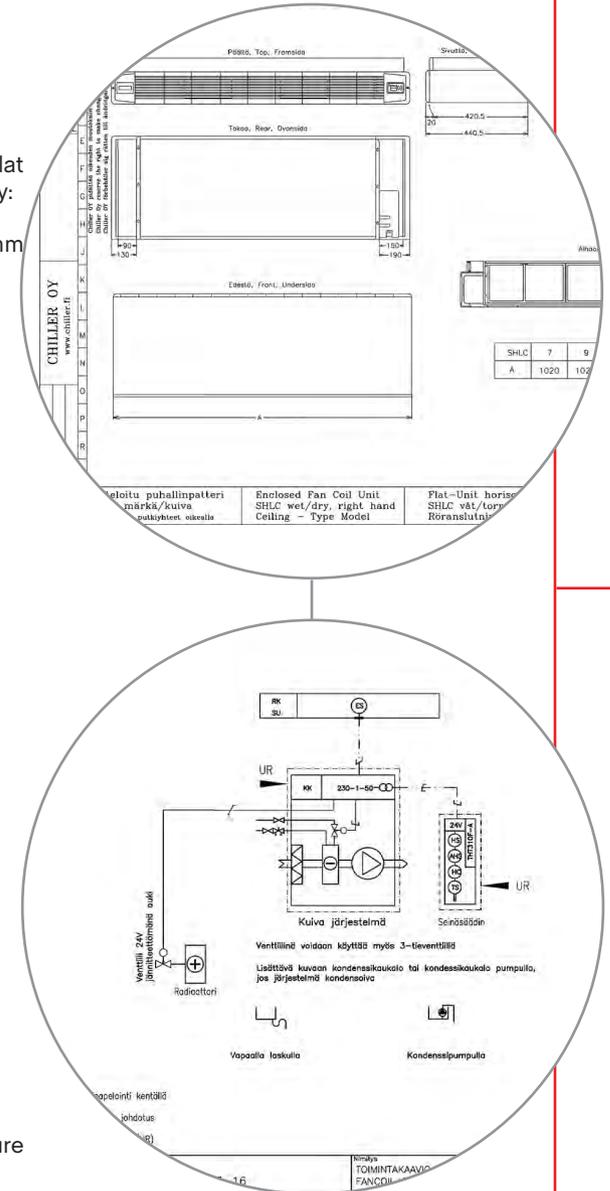
A flat blower unit that blows in one direction has been installed in the room for cooling, heating or cooling/heating. For sites that do not have a suspended ceiling or a window sill, the device is equipped with an external cover whose colour shade is NCS 1502R. The flat blower units includes the following accessories as standard delivery:

- a fan with 6 speeds (set 3 speeds as an alternative)
- a coil where the min. wall thickness of the copper pipe is 0.35 mm
- layer filter
- a soundproof and thermally insulated box
- an internal condensation pan made of stainless steel and an external drip pan (wet cooling)
- several optional accessories are available (please contact an authorised reseller for specific needs)
- a rotary condensation pump, different valve combinations
- control of the actuator of the heating radiator
- a 24 V relay card that controls the fan rpm
- solutions for hotels/studios (different chambers, grilles etc.)

Selected device SH/SV

- Temperature of air coming to the coil C / %
- Cooling/heating liquid Water
- Total cooling capacity min kW
- Total cooling capacity med kW
- Total cooling capacity max kW
- Temperature of incoming liquid C
- Temperature of outgoing liquid C
- Liquid flow l/s
- Pressure loss at water side of the coil kPa
- 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 power 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 coil's control valve max 10 kPa

The blower unit is controlled with a wall controller (24 V), which can be connected with a 2-way valve 24 V NO. The controller must be equipped with both manual and automatic rpm adjustment as standard. It must be possible to set a presence and absence temperature with an external message sent by building automation.



Dimensioned drawings from our home page

Operating diagrams from our home page