

DVCompact with SoftCooler gives you optimal indoor climate and easy installation



To breathe is to live

Since 90 percent of our time is spent indoors, 90 percent of the air we breathe is indoor air.

To get the best possible indoor air, and indoor climate, you need optimal ventilation. And that is what you get with DVCompact from Systemair. DVCompact is a series of air handling units for shopping malls, schools, larger office buildings, airports, and similar premises.

In addition to air quality, temperature also plays a big part in well-being. Systemair has provided cooling through external accessories for DVCompact for a long time. Now DVCompact can also be equipped with the add-on module SoftCooler. DVCompact with SoftCooler meets high comfort and energy demands. Together they also provide optimal ventilation and the right temperature.

When you want to give your customers top-quality air and optimal indoor climate you can count on DVCompact with SoftCooler from Systemair.

ENERGY
EFFICIENCY
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We take our environmental responsibility seriously



At Systemair, we are aware of our responsibility towards the environment. Our main contribution to modern environmental protection is efficient use of energy. The Green Ventilation symbol identifies intelligent technology in harmony with

the environment. It shows that our products are suitable for the future. We are proud to offer our customers sustainability with economy, and the opportunity to reap all the benefits from straightforward and well-planned installations.



EC technology is straightforward and ecologically effective, with no compromises in quality or functionality. All DVCompact units come with PM motors based on EC technology.

DVCompact with SoftCooler gives you big benefits

DVCompact with SoftCooler provides high efficiency and low energy consumption. All units are equipped with the latest technology, which gives optimal performance.

The units are compact, so they fit into tight spaces. Most units are transportable through one metre wide openings. All units are designed for both new building and renewal projects.

SoftCooler can be installed in new systems or as an add-on to existing installations with DVCompact.

Plug & Play

All units are delivered pre-programmed, tested and ready for installation. And service and maintenance is made easy, with easy-to-reach replacement components contributing to reliable operation.

PM motor based on EC technology

EC technology ensures high efficiency, over 90%, and efficiency remains high even when the speed is reduced. This results in optimizing the unit's motor efficiency at the operating point.

CPRO impeller with optimal design

Optimal design and material results in higher efficiency and lower noise levels. Better balancing reduces vibration.

Optimized rotary heat exchanger

DVCompact is optimized with maximum wheel diameter and lower coil wave height. This combination makes it possible to select units adapted to the different energy efficient demands: 80% efficiency and SFP (Specific Fan Power) <2.0. For example, by increasing the size of the unit performance of 85% efficiency and SFP <1.5 can be achieved.



Choose DVCompact with SoftCooler when you want optimal ventilation and comfort cooling.

Integrated control

DVCompact comes standard with integrated controls. Each unit has two control cabinets with easy access and a total of 56 input and outputs available for use. There are quick connectors between each unit section, and a control panel for the frequency converter, which is placed on the front panel for easier control.

You will always find more information at systemair.com

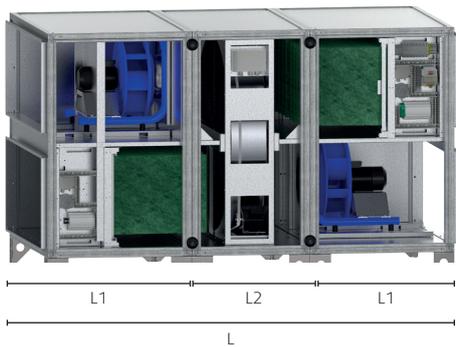
All the technical information and the software for product selection can be found in our online directory.

If you have any questions about our products, you are always welcome to contact us. We are passionate about delivering products that are easy to select, install and maintain for a perfect indoor climate. And you can be sure that it is always easy to be a customer of Systemair.

DVCompact is a green family equipped with the latest technology

Twelve models ensure optimal sizing, with air-flow capacity up to 40 000 m³/h at SFP 1.5. All units are supplied in three pieces for easy handling and transportation.

Quick selector, rotating heat exchanger



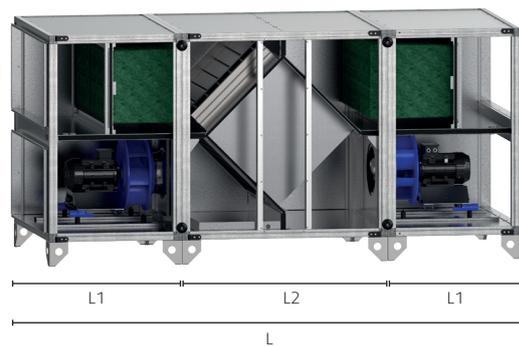
Size	Motor (kW)	Air volume (m ³ /h) *	W x H	L	L1	L2	Weight (kg) **
10	1.1	2400	970	2310	820	670	415
15	1.5	3600	1120	2310	820	670	470
20	2.2	5400	1270	2310	820	670	540
25	2.2	6800	1420	2310	820	670	640
25	3.0	6800	1420	2310	820	670	640
30	3.0	8500	1570	2310	820	670	740
30	4.0	8500	1570	2310	820	670	740
40	4.0	10800	1720	2610	970	670	950
40	5.5	10800	1720	2610	970	670	950
50	5.5	14600	2020	2760	970	820	1280
50	7.5	14600	2020	2760	970	820	1280
60	7.5	18000	2170	3060	1120	820	1450
80	7.5	22000	2470	3510	1270	970	1710
80	11.0	22000	2470	3510	1270	970	1710
100	11.0	28000	2770	3660	1270	1120	2413
120	11 & 15	30600	2920	3360	1120	1120	3240
150	11 & 15	34800	3070	3360	1120	1120	3460

* SFP < 2.0 = 250 Pa

** Weight is approximate

The following tables make it easy to choose a DVCompact that suits your needs. Use SystemairCAD for complete project planning. For more information, please contact one of our sales offices.

Quick selector, cross flow heat exchanger



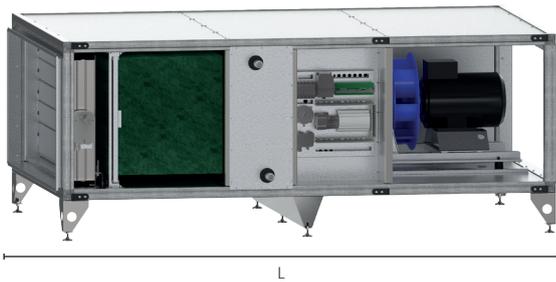
Size	Motor (kW)	Air volume (m ³ /h) *	W x H	L	L1	L2	Weight (kg) **
10	1.1	2400	970	2760	820	1120	540
15	1.5	3600	1120	2910	820	1270	540
20	2.2	5400	1270	2910	820	1270	715
25	2.2	6800	1420	3210	820	1570	860
25	3.0	6800	1420	3210	820	1570	860
30	3.0	8500	1570	3210	820	1570	990
30	4.0	8500	1570	3210	820	1570	990
40	4.0	10800	1720	3660	970	1720	1340
40	5.5	10800	1720	3660	970	1720	1340
50	5.5	14600	2020	3660	970	1720	1610
50	7.5	14600	2020	3660	970	1720	1610
60	7.5	18000	2170	4260	1120	2020	1940
80	7.5	22000	2470	4560	1270	2020	2420
80	11.0	22000	2470	4560	1270	2020	2420
100	11.0	28000	2770	4860	1270	2320	2854

* SFP < 2.0 = 250 Pa

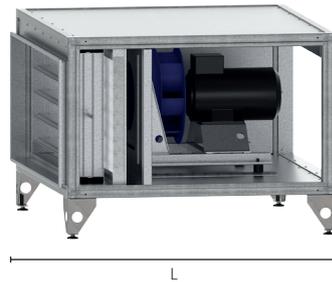
** Weight is approximate



Quick selector, supply unit



Quick selector, extract unit



Size	Motor (kW)	Air volume (m ³ /h)	L	W	H	L1	L2	Weight (kg) **
10	1.1	3600	1720	970	520	520	970	165 *
10	2.2	3600	1720	970	520	520	970	165 *
15	1.5	5400	1720	1120	595	520	970	195 *
15	3.0	5400	1720	1120	595	520	970	195 *
20	2.2	7200	1720	1270	670	520	970	230 *
20	4.0	7200	1720	1270	670	520	970	230 *
25	3.0	9000	1870	1420	745	520	970	277 *
25	5.5	9000	1870	1420	745	520	970	277 *
30	3.0	10800	1870	1570	820	520	970	328 *
30	5.5	10800	1870	1570	820	520	970	328 *
40	5.5	14400	2020	1720	895	520	970	390 *
40	7.5	14400	2020	1720	895	520	970	390 *
50	5.5	18000	2170	2020	1045	520	970	494 *
50	11.0	18000	2170	2020	1045	520	970	494 *
60	7.5	21600	2170	2170	1120	520	970	541 *
60	11.0	21600	2170	2170	1120	520	970	541 *
80	11.0	28800	2320	2170	1270	520	970	744 *
80	18.15	28000	2320	2170	1270	520	970	744 *
100	15.0	36000	2690	2370	1420	520	970	897 *
100	22.0	36000	2690	2370	1420	520	970	897 *

* Weight for the unit with control is on 30 kg more

** Weight is approximate

L1 - the length of a cooling coil

L2 - the length of the silencer

Size	Motor (kW)	Air volume (m ³ /h)	L	W	H	Weight (kg) *	
10	1.1	3600	1120	970	520	128	
10	2.2	3600	1120	970	520	128	
15	1.5	5400	1120	1120	595	148	
15	3.0	5400	1120	1120	595	148	
20	2.2	7200	1120	1270	670	183	
20	4.0	7200	1120	1270	670	183	
25	3.0	9000	1270	1420	745	220	
25	5.5	9000	1270	1420	745	220	
30	3.0	10800	1270	1570	820	283	
30	5.5	10800	1270	1570	820	283	
40	5.5	14400	1420	1720	895	320	
40	7.5	14400	1420	1720	895	320	
50	5.5	18000	1570	2020	1045	419	
50	11.0	18000	1570	2020	1045	419	
60	7.5	21600	1570	2170	1120	473	
60	11.0	21600	1570	2170	1120	473	
80	11.0	28800	1720	2170	1270	541	
80	18.5	28000	1720	2170	1270	541	
100	15.0	36000	2020	2370	1420	659	
100	22.0	36000	2020	2370	1420	659	

* Weight is approximate

DVCompact SoftCooler meets the highest comfort and energy requirements



SoftCooling gives a unique power control

DVCompact SoftCooler has a unique control of cooling capacity, which gives you a large variable range. So supply air temperature can be kept at a more precise level than with other comparable systems, resulting in higher temperature comfort in the premises. Since the cooling power can be adapted to current requirements, the system's coefficient of performance (COP) is positively affected.

DVCompact SoftCooler is easy to install

SoftCooler is installed between DVCompact's fan parts. Prepared internal control wiring is connected to DVCompact's electrical cabinet. Connect the drain and power supply. That's it.

DVCompact SoftCooler is delivered as a separate section, factory-tested and ready to run. The module contains a complete, ready-to-operate DX cooling system with a variable speed compressor.

Quick selector, SoftCooler

SoftCooler comes in twelve different sizes. This table makes it easy to choose the right unit for you. For complete project planning use SystemairCAD or contact one of our sales offices.

Unit	Size	Cooling capacity (kW)	Nom. airflow (m ³ /h)	W mm	H mm (no feet/base)	L mm	Feet high	Base high	Weight (kg)
20	2	22.3	5600	970	1270	1270	150	200	310
25	1	22.3	5600	970	1420	1420	150	200	350
25	2	32.5	7200	970	1420	1420	150	200	360
30	1	32.5	7200	970	1570	1570	150	200	370
30	2	42.0	8800	970	1570	1570	150	200	420
40	1	42.0	9800	970	1720	1720	150	200	450
40	2	56.5	11500	970	1720	1720	150	200	470
50	1	56.5	13000	970	2020	2020	-	200	580
50	2	76.5	16000	970	2020	2020	-	200	620
60	1	76.5	16000	1120	2170	2170	-	200	690
60	2	96.0	19000	1120	2170	2170	-	200	710
80	1	96.0	21000	1120	2470	2470	-	200	730

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