

komfovent

VERSO



The widest
range of air
handling units for
standardized or
individual projects



VERSO unit range overview

The Verso range of ventilation units offers advanced solutions tailored to a variety of installation needs, ensuring high performance, flexibility, and energy efficiency.

The range includes compact models designed for smaller premises as well as large modular units, offering millions of possible configurations of internal and optional components – making them ideal for large industrial buildings. The casing construction of Verso units meets high market standards and can be enhanced with additional anticorrosive protection classes or hygienic application options.

The range covers the following series: VERSO Standard, VERSO Pro and VERSO Pro2.

This comprehensive range ensures there is a VERSO solution for every project, combining reliability, energy efficiency, and ease of use. All units can be easily selected and configured to meet any project needs, using KOMFOVENT Select – a selection software dedicated for HVAC professionals.



VERSO Standard

✧ Performance capacities range from **1000 m³/h** to **7000 m³/h**

Designed for streamlined simplicity, the Verso Standard series features fully standardized monoblock or modular units equipped with rotary or counterflow plate heat exchangers. Adaptable to various installation orientations, these units are available in vertical, horizontal, flat, and universal configurations. They can be equipped with integrated electric, water, or DX heaters, as well as water or DX coolers, ensuring versatile climate control. VERSO Standard units are compactly designed to fit through standard door openings, simplifying installation. The galvanized and powder-coated casings meet T2/TB2 Eurovent-approved classes, ensuring robust thermal performance and durability.



VERSO Pro

✧ Performance capacities range from **1000 m³/h** to **40 000 m³/h**

A proven solution for demanding applications, the Verso Pro series features unified modular ventilation units available with or without integrated controls. These units, built with corrosion-resistant powder-coated casings, offer a choice of rotary, counterflow plate, or no heat exchanger configurations. The Verso Pro series accommodates a wide range of ventilation requirements while allowing extensive customization for specific project needs.



VERSO Pro2

✧ Performance capacities range from **1000 m³/h** to **40 000 m³/h**

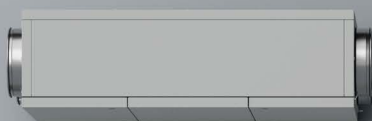
The Verso Pro2 series represents the next generation of modular ventilation units, setting new benchmarks in energy efficiency and versatility. Featuring a patented thermally efficient casing, the series supports a broad selection of heat exchangers, including rotary, plate, and run-around types. Equipped with some of the quietest and most efficient fans on the market, these units deliver exceptional performance while minimizing energy consumption. The fully integrated and factory-tested automation simplifies installation, while the availability of a wide range of sections and components offers a staggering 1.6 million configuration options, making Verso Pro2 suitable for even the most demanding applications.

VERSO Standard range review

Designed for streamlined simplicity, the VERSO Standard series features fully standardized monoblock or modular units equipped with rotary or plate heat exchangers. Adaptable to various installation orientations, these units are available in vertical, horizontal, flat, and universal configurations. They can be equipped with integrated electric, water, or DX heaters, as well as water or DX coolers, ensuring versatile climate control. VERSO Standard units are compactly designed to fit through standard door openings, simplifying installation. The galvanized and powder-coated casings meet T2/TB2 Eurovent-approved classes, ensuring robust thermal performance and durability.

Flat

Flat units, designed for installation above suspended ceilings. All ducts are connected to the sides of the unit.



Universal

Duct connections can be relocated from the sides of the unit to the top and vice versa, depending on the intended installation location.



Horizontal

Horizontally connected units, where all ducts are connected to the sides of the unit.



Vertical

Vertically connected units, where all ducts are connected at the top of the unit.



Airflow:
1000–7000 m³/h



VERSO Standard features



Compact units for convenient transportation

- Most of the units can be moved through a standard, 900 mm wide door opening.
- Larger units can be split into separate sections.
- We offer mounting frames or legs (except flat ones), which ensures easier transportation.



Wide range of flat units

15 different models of low-profile F units for saving space when mounted on the ceiling. Verso Standard FS units have optional sliding doors, for easier access when installed above false ceiling constructions. FS option is available for all flat VERSO Standard air handling units with rotary and counterflow plate heat exchangers (Except Verso CF 2500 F C5). Flat units with rotary heat exchangers as well as supply units can also be mounted on the wall or on the floor if needed*.

* AHU's with water heater only.



Sorption-enthalpy rotary heat exchanger

- Sorption-enthalpy rotary heat exchanger controls the humidity in the premises more efficiently than a condensing rotor. Now sorption-enthalpy is an available option for all Verso R Standard units (except Verso R 1000/1500/2000/3000 F C5 models).
- The humidity from the exhaust air is used to humidify the supply air in winter.
- Wet supplied air in the summertime is dried.



Integrated DX coil

- All VERSO Standard units of the universal type can be ordered with an integrated DX coil.
- Extremely economical air heating even at very low outdoor temperatures.
- Cooling/heating power control.
- Wide range of inverter outdoor units.



Multi-level frost prevention option

- Reduces the energy consumption used for counterflow heat exchanger defrost.
- Less power of the post-heater is needed to reach desired temperatures in winter conditions.
- For water heaters, smaller size PPU can be used.
- Better seasonal heat recovery efficiency is achieved.



Eurovent certificated casing T2 / TB2 / D1 / L1

VERSO units are tested on a regular basis at the Eurovent climatic laboratory in Germany. Parameters such as performance, efficiency, noise level, tolerances and other are tested.

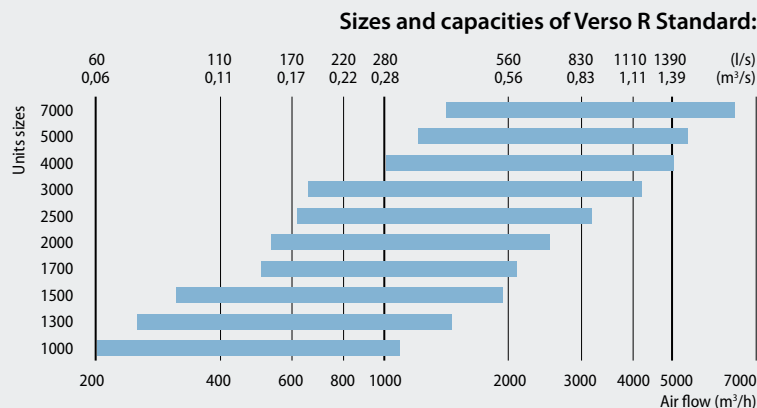
- The casing is filled with 45/50 mm long-lasting, fire-resistant mineral wool. The casing filled with mineral wool perfectly reduces noise in the environment.
- Reduced thermal bridges ensure minimal heat loss through the case and the possibility of condensation both inside and outside the unit.

VERSO Standard types of the heat exchangers

Depending on the individual requirement, VERSO Standard units can be equipped with a rotary or counterflow plate heat exchanger.

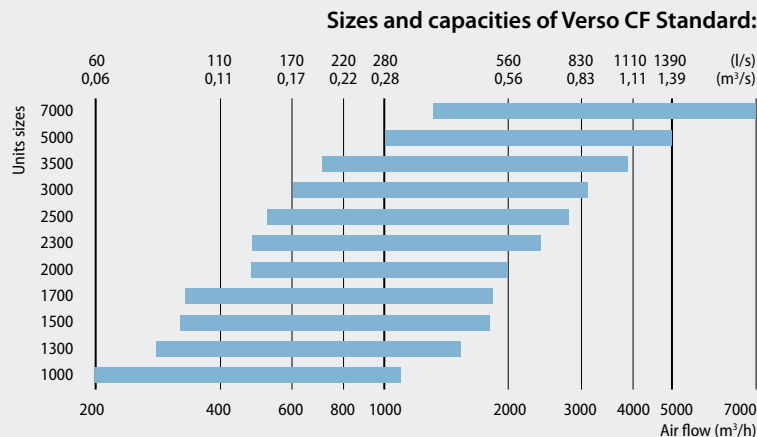
Verso R Standard with rotary heat exchanger

A wide selection of compact units with non-freezing rotary heat exchanger, horizontal, vertical, universal and flat installation. Verso R Standard units efficiently save energy all year round by significantly reducing both heating and air conditioning costs. Ideal for cold weather countries. Sorption-enthalpy rotary heat exchangers maintain comfortable indoor climate in the premises.



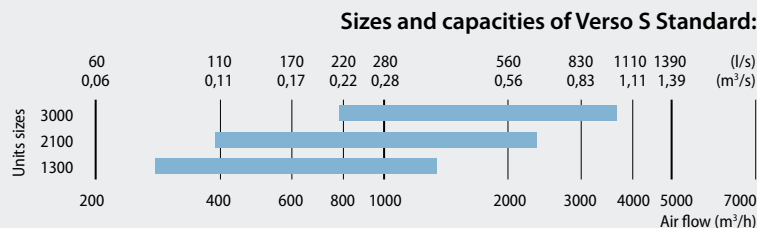
Verso CF Standard with counterflow heat exchanger

A wide selection of compact units with counterflow plate heat exchanger, horizontal, vertical, universal and flat installation. Verso CF Standard units efficiently save energy all year round by significantly reducing both heating and air conditioning costs. Ideal for mild and warm climate countries.



Verso S Standard supply air handling unit

Low-height false ceiling supply air handling units are easily installed even in the smallest premises. All Verso S Standard units have integrated control system, which simplifies units' installation.



VERSO Standard specifications

Device	Heat exchanger type	Nominal air flow according to ErP 2018, m³/h	Device dimensions (b × h × l), mm	Weight, kg	Duct connections, mm	Max. operating current with electric air heater, A	Max. operating current with water air heater, A	Supply voltage, V/Hz	Fans type	Electric power input of the fan drive at maximum flow rate, W	Integrated heater type: E – electric, W – water, HCW – changeover coils, HCDX – direct expansion	Nominal electric heater capacity, kW
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Universal units

Verso R 1000 U C5		945	895×990×1345	196	Ø 315 (4×)	7,3	3,3	HE 3~400 / HW 1~230	EC	179	E, W, HCW, HCDX	3,0
Verso CF 1000 U C5		1055	894×992×1798	220	Ø 315 (4×)	10,2	4	HE 3~400 / HW 1~230	EC	178	E, W, HCW, HCDX	4,5
Verso R 1300 U C5		1500	895×990×1345	203	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	352	E, W, HCW, HCDX	4,5
Verso CF 1300 U C5		1400	894×992×1798	225	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	340	E, W, HCW, HCDX	4,5
Verso R 1500 U C5		1700	895×990×1345	206	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	366	E, W, HCW, HCDX	4,5
Verso R 1700 U C5		1930	900×990×1475	220	300×400 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	528	E, W, HCW, HCDX	4,5
Verso CF 1700 U C5		1620	894×992×1798	243	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	526	E, W, HCW, HCDX	4,5
Verso R 2000 U C5		2280	900×990×1475	210	300×400 (4×)	16,9	6,3	HE 3~400 / HW 1~230	EC	649	E, W, HCW, HCDX	7,5
Verso CF 2300 U C5		1980	894×893×1987	250	300×400 (4×)	16,8	6,3	HE 3~400 / HW 1~230	EC	660	E, W, HCW, HCDX	7,5
Verso R 3000 U C5		3840	1150×1150×2100	456	400×500 (4×)	19	6,3	3~400	PM	862	E, W, HCW, HCDX	9
Verso CF 3500 U C5		3074	1150×1150×2500	500	400×500 (4×)	23,4	6,3	3~400	PM	960	E, W, HCW, HCDX	12
Verso R 4000 U C5		3985	1150×1150×2100	470	400×500 (4×)	31,1	9,7	3~400	PM	1569	E, W, HCW, HCDX	15

Horizontal units

Verso R 2500 H C5		2700	1000×1000×1606	289	700×300 (4×)	18,8	8,3	HE 3~400 / HW 1~230	EC	762	E, W	7,5
Verso R 5000 H C5		5300	1300×1300×1872	510	1000×500 (4×)	34,1	12,7	3~400	PM	1449	W	15
Verso CF 5000 H C5		4605	1410×1250×2327	592	1100×400 (4×)	29,7	8,3	3~400	EC	2263	E, W, HCW, HCDX	15
Verso R 7000 H C5		6850	1525×1675×1980	765	1200×600 (4×)	48	13,5	3~400	PM	1742	W	24

Vertical units

Verso R 2500 V C5		3040	950×1400×1500	270	700×250 (4×)	14,5	7,5	HE 3~400 / HW 1~230	EC	744	E, W, HCW, HCDX	7,5
Verso CF 2500 V C5		2730	890×1100×2050	347	700×300 (4×)	18	7,5	HE 3~400 / HW 1~230	EC	760	E, W, HCW, HCDX	7,5
Verso R 5000 V C5		5470	1397×1514×1891	600	1000×300 (4×)	29,5	8,1	3~400	EC	1279	E, W, HCW, HCDX	15
Verso CF 5000 V C5		5025	1400×1541×2315	640	1100×300 (4×)	29,7	8,3	3~400	EC	1850	E, W, HCW, HCDX	15
Verso R 7000 V C5		7000	1505×1533×2204	700	1200×300 (4×)	34,9	13,5	3~400	PM	1287	E, W, HCW, HCDX	15
Verso CF 7000 V C5		7000	1700×1676×2720	828	1200×500 (4×)	44	9,5	3~400	EC	1635	E, W, HCW, HCDX	24

Flat units

Verso R 1000 F C5		890	930×476×1349	140	Ø 315 (4×)	12,9	4,5	HE 1~230 / HW 1~230	EC	267	E	2,0
Verso R 1000 FSA C5		1000	1040×480×2994	238	Ø 315 (2×)	12,2	—	1~230	EC	115	E	2,0
Verso CF 1000 F C5		875	1100×440×1500	140	Ø 315 (4×)	8,9	4,9	HE 3~400 / HW 1~230	EC	259	E	3,0
Verso R 1300 F C5		1025	930×476×1349	144	Ø 315 (4×)	8,9	4,9	HE 3~400 / HW 1~230	EC	533	E	3,0
Verso CF 1300 F C5		1300	1100×527×1650	175	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	291	E	4,5
Verso S 1300 F C5		1350	700×350×893	46	500×200 (2×)	15,4 / 24,1	2,7	HE 3~400 / HW 1~230	EC	236	E, W	9 / 15
Verso R 1500 F C5		1500	1039×480×1796	195	Ø 315 (4×)	12,1	3,8	HE 3~400 / HW 1~230	EC	350	E	6,0
Verso CF 1500 F C5		1470	1100×527×1650	190	Ø 315 (4×)	11,1	4,9	HE 3~400 / HW 1~230	EC	525	E	4,5
Verso R 2000 F C5		2070	1210×527×2060	230	Ø 355 (4×)	16,8	6,3	HE 3~400 / HW 1~230	EC	670	E	7,5
Verso CF 2000 F C5		2000	1600×480×1750	235	600×300 (4×)	15,4	4,9	HE 3~400 / HW 1~230	EC	544	E	7,5
Verso S 2100 F C5		2210	1000×350×893	73	800×200 (2×)	25,4 / 36,3	4	HE 3~400 / HW 1~230	EC	337	E, W	15 / 22,5
Verso CF 2500 F C5		2542	2000×528×1850	340	700×300 (4×)	16,9	6,3	HE 3~400 / HW 1~230	EC	640	E	7,5
Verso R 3000 F C5		3200	1210×648×2160	289	500×400 (4×)	19,8	7,1	3~400	PM	726	E	9
Verso CF 3000 F C5		2950	2000×594×2050	365	750×400 (4×)	17,1	8,3	HE 3~400 / HW 1~230	EC	752	E	9
Verso S 3000 F C5		3800	1015×555×1160	130	800×400 (2×)	—	3,8	3~400	PM	680	W	—

Legend:

Heat exchanger type:



Rotary



Counterflow



Supply air unit

- Standard filter class (supply/exhaust) – ePM1 60 % / ePM10 50 % (F7/M5)
- C5 control system is integrated in all VERSO units

VERSO Pro / Pro2 range review

VERSO Pro

VERSO Pro air handling units range has two types of durable casing: frameless (sizes 10...70) and reinforced frame design (sizes 80...100). Both of them are modular, thus custom and flexible configurations are possible. High-efficiency components of the VERSO Pro air handling units ensure the best performance and energy saving. Consequently, the application areas are quite wide: from small offices to huge shopping malls or industrial buildings.

VERSO Pro2

VERSO Pro2 range uses the latest technologies to ensure the best energy-saving and operation parameters. The superior performance classes T1 / TB1 / L1 / D1 have been achieved thanks to the patented casing design for sizes from 12 to 72. The VERSO Pro2 series offers 1,6 million possible combinations for the simplest and the most complex projects, such as business centers, shopping malls, sports arenas, cinemas and theatres, hotels, airports, logistic centers, industry.

Verso Pro

Modular air handling units for commercial ventilation.



Verso Pro2

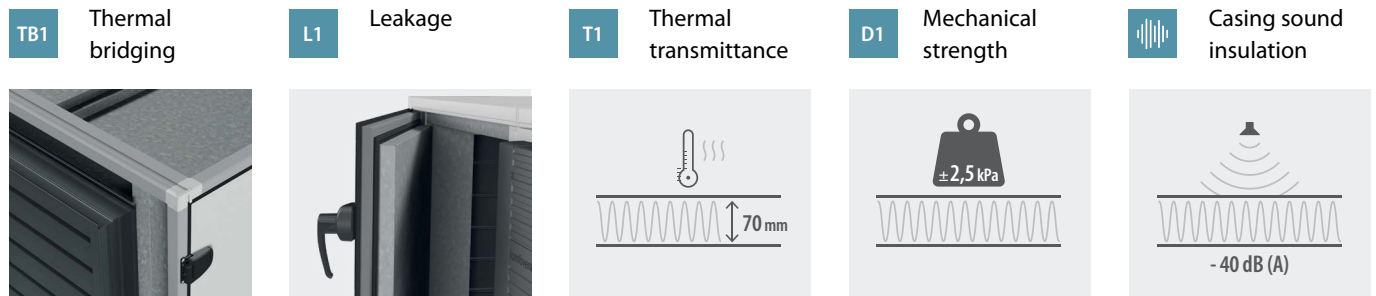
Advanced and highly efficient modular air handling units.



Airflow:
1000–40 000 m³/h



VERSO Pro / Pro2 casing – superior performance

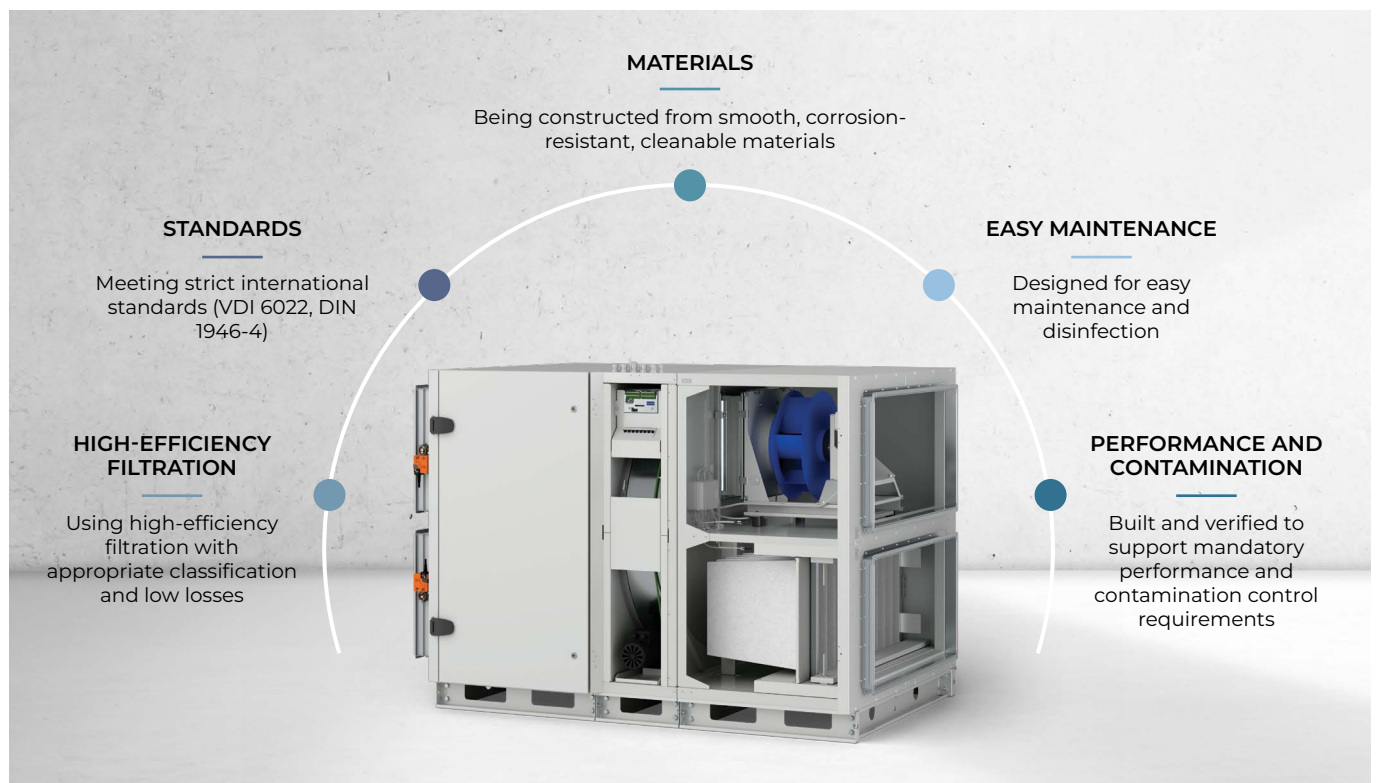


Unit size	VERSO Pro								VERSO Pro2							
	VERSO Pro 10-70				VERSO Pro 80-100				VERSO Pro 12-72				VERSO Pro 82-102			
Casing name	Standart5				Standart2				Standart6				Standart2 TB			
Thermal transmittance class	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T4
Thermal bridging factor class	TB1	TB2	TB3	TB4	TB1	TB2	TB3	TB4	TB1	TB2	TB3	TB4	TB1	TB2	TB3	TB4
Casing air leakage	L1	L2	L3	–	L1	L2	L3	–	L1	L2*	L3	–	L1	L2	L3	–
Casing strenght class	D1	D2	D3	–	D1	D2	D3	–	D1	D2	D3	–	D1	D2	D3	–

* L1 at -400 Pa and L2 at +700 Pa.

Hygienic application air handling units

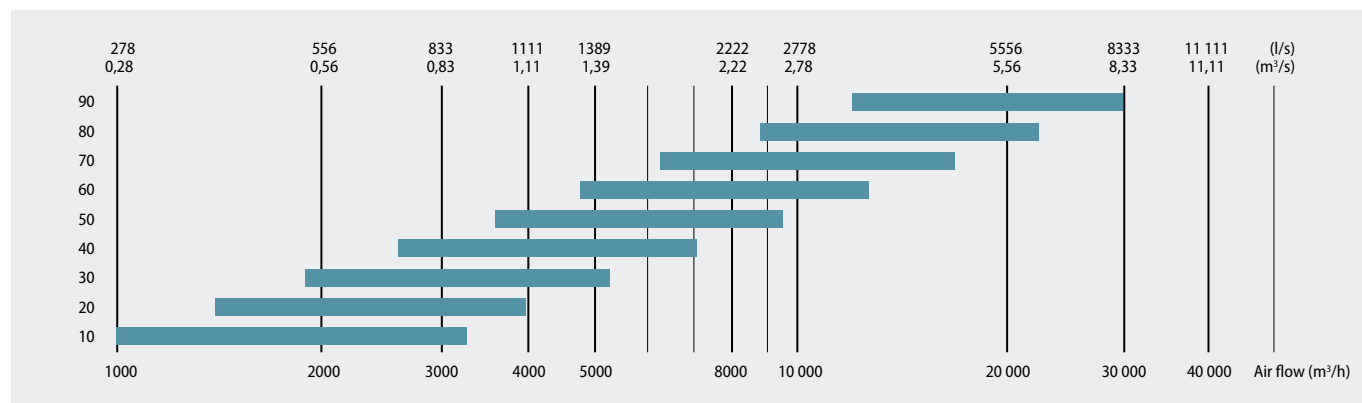
Selection of VERSO Pro and Pro2 air handling units also available for hygienic and medical applications. Such units differ from standard HVAC systems by.



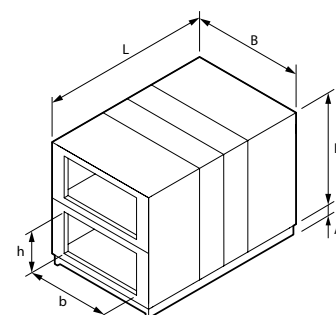
These features make VERSO units suitable for environments where infection control and air hygiene are critical – such as hospitals, clinics, laboratories, and pharmaceutical spaces.

Sizes and capacities VERSO Pro / Pro2 units

VERSO Pro

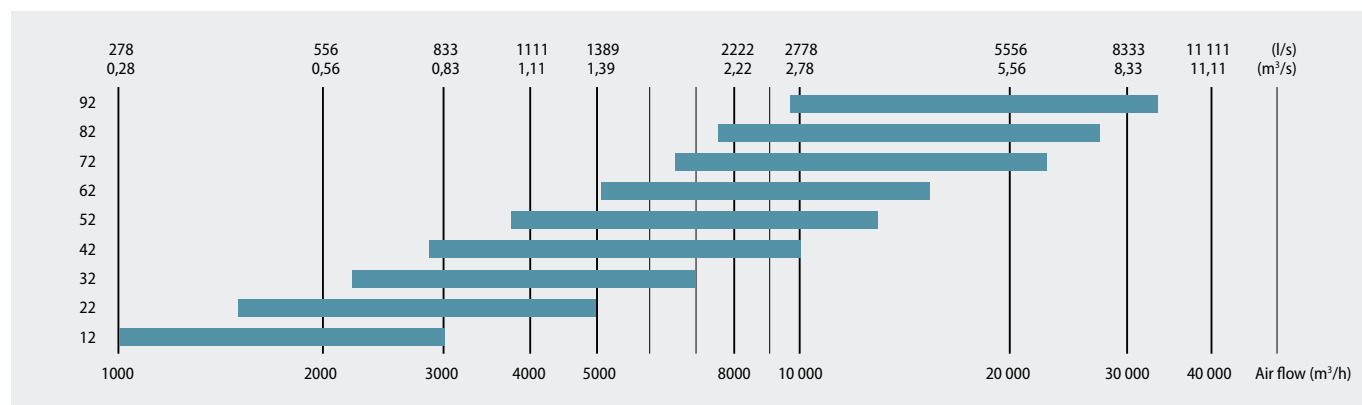


Size	B	H	b	h	A
10	1000	1000	700	300	125
20	1150	1150	900	400	125
30	1300	1300	1000	500	125
40	1500	1520	1200	600	125
50	1700	1715	1400	700	125
60	1900	1920	1600	800	125
70	2100	2100	1800	900	125
80	2300	2420	2000	1000	125
90	2610	2650	2200	1100	125

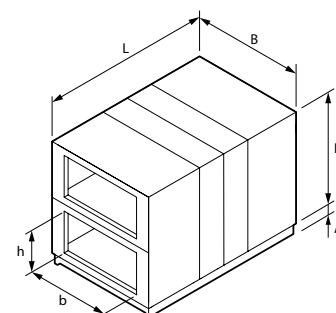


Note: L – total length depends on the AHU configuration, as well on which additional sections and devices were selected. Actual AHU and its separate sections length is noted in the KOMFOVENT SELECT software.

VERSO Pro2



Size	B	H	b	h	A
12	1054	1204	700	200	150
22	1204	1354	900	400	150
32	1354	1574	1000	500	150
42	1554	1769	1200	600	150
52	1754	1974	1400	700	150
62	1954	2154	1600	800	150
72	2154	2154	1800	1000	125
82	2360	2440	2000	1100	125
92	2660	2660	2300	1100	125



Note: L – total length depends on the AHU configuration, as well on which additional sections and devices were selected. Actual AHU and its separate sections length is noted in the KOMFOVENT SELECT software.

Control system C5 for VERSO units

Extended control possibilities

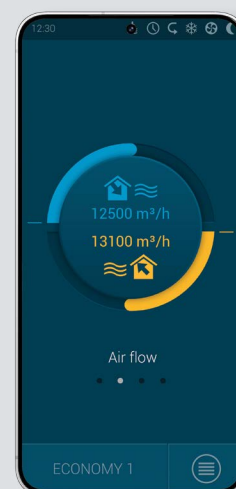
- Controlling up to 30 units connected into a network from one panel.
- Ability to connect the controller to the internet network and manage it via standard internet browser without any accessories.
- Possibility to control air handling unit by smartphone via Android OS or iOS application software.
- Ability to control the unit not only by control panel or computer, but also by different external devices (switch, timer, etc.) and systems (e.g. the smart house system).

Various operating modes

- 5 different operation modes: *Comfort1*, *Comfort2*, *Economy1*, *Economy2*, and *Special*. User may set supply and extract air volumes as well as air temperature for each of mode separately.
- Temperature control modes: Supply air / Extract air / Room / Balance. Possibility to select which temperature to maintain.
- Flow control modes: Constant Air Volume (CAV), Variable Air Volume (VAV), Directly Controlled Volume (DCV).
- Universal operating schedule with up to 20 events, for each of them the user can assign weekday(s) and one of five operating modes.
- Holiday scheduling allows the user to change operating mode or switch off the air handling unit on some dates of the year. Up to 10 events are possible.

Detailed information for the user

- Air flow indication (m^3/h , m^3/s , l/s).
- Thermal efficiency of the heat exchanger (%).
- Heat exchanger energy recovery (kW).
- Thermal energy savings indicator (%).
- Air heater energy consumption (kWh).
- Heat exchanger recovered energy counter (kWh).
- Fan's energy consumption (kWh).
- SFP factor of PM fans.
- Clogging level of filters (%).



"Komfovent C5" app

Application is designed to control air handling units with the integrated C5 control system within local network of the building.

User-friendly interface is intuitive for both experienced and less experienced users. As the application fully replicates control panel functions, you will have access to all monitoring and control possibilities available in the control panel.



Control options



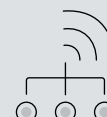
App
"Komfovent C5"



Control panel



Web Server



Connectivity &
Protocols

KOMFOVENT selection software

KOMFOVENT Select is a newly developed tool designed for seamless selection of the air handling unit. The software enables intuitive customization of modular units to meet specific project requirements. Once a unit is selected, the program generates a detailed BIM model, allowing it to be integrated into your project for seamless execution.

- Cloud-based selection software.
- For VERSO units with capacity from 1000 to 40 000 m³/h.
- EUROVENT and RLT certificates guarantee the accuracy of the parameters.
- Detailed technical data report including fan curves.
- Generating VERSO Pro 3D models for the REVIT program.
- Convenient and friendly user interface.
- Ability to share.



KOMFOVENT UAB

Lentvario str. 146
25132 Vilnius
Lithuania
info@komfovent.com
www.komfovent.com