

komfovent

DOMEKT



Residential
ventilation units
with heat recovery



DOMEKT features



Wide range for different situations

- Many different models of Domekt units to fit any residential or small commercial premises.
- Airflows ranging from 50 m³/h to 1000 m³/h.
- Different heat exchangers available: rotary, counter flow and two types of enthalpy exchangers.
- Various modifications with vertical or horizontal duct connections, low-profile or supply-only units.



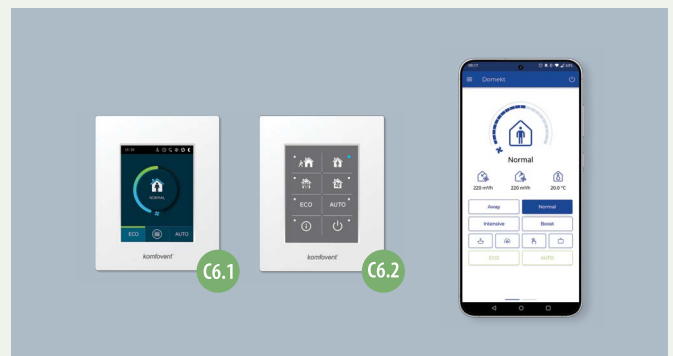
Insulated, reliable and durable casing

- Plastic duct connections with special insulation rings simplify the connection of ducts, ensure better tightness and reduce thermal losses.
- The construction of the casing with cold barriers minimizes the risk of condensation.
- Airtight doors. Locks without thermal bridges.
- The mineral wool filling is non-flammable and provides good heat and noise insulation.



Cost reducing solutions

- Modern energy-efficient EC fans.
- Sorption-enthalpy rotary or Diffusion-enthalpy counterflow heat exchangers – efficiently recover humidity in winter and repel moisture in summer.
- Low resistance and high filtration filters.
- Over 20 built-in energy-saving functions to optimize the unit's operation.



Intuitive user interface

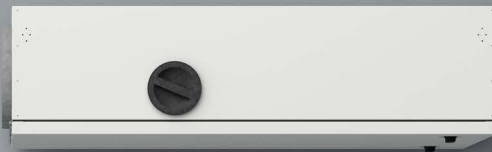
- Two models of control panels available: C6.1 with colored touch-sensitive screen or C6.2 with simple touch buttons.
- Temperature and humidity sensors integrated into the control panel allow monitoring and control of air parameters.
- Simple and intuitive indoor climate adjustments from a smart-phone, using "Komfovent control" app.
- Cloud-based web interface providing the ability to control ventilation from the internet.

Range review

Every home, apartment, house or townhouse is different. That is why the DOMEKT range includes horizontal, vertical and flat models designed for installation in various parts of the home. The units can be easily installed above suspended ceilings, in utility rooms, cabinets or other compact spaces. All DOMEKT units are fully assembled and preprogrammed at the factory. They are designed to make installation as simple as possible and daily use more convenient and effortless. DOMEKT ventilation units are efficient, durable and easy to maintain.

Flat

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



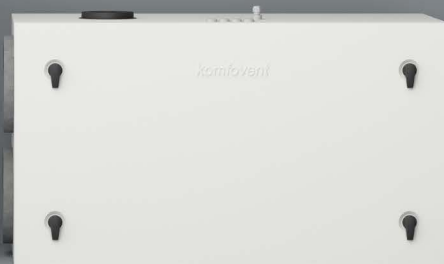
Vertical

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



Horizontal

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



Airflow:
50–1000 m³/h



MagiCAD
CLOUD



Revit

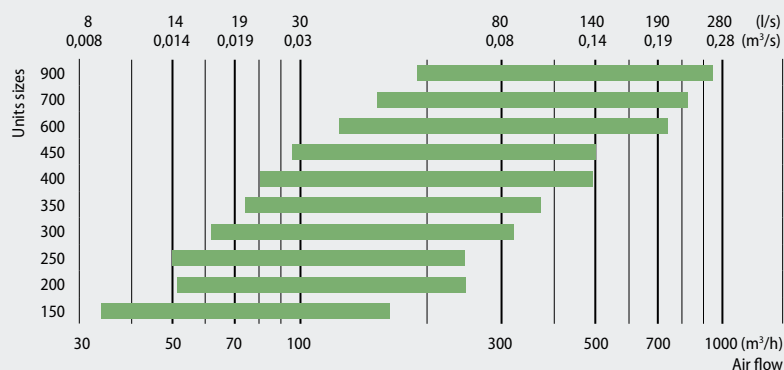
Types of the heat exchangers

Residential ventilation units with heat recovery. Depending on the individual requirement, units can be equipped with a rotary or counterflow plate heat exchanger.

Domekt R with rotary heat exchanger

A wide selection of residential ventilation units with non-freezing rotary heat exchanger, horizontal, vertical and flat installation. Domekt R 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 more comfortable indoor climate in the premises.

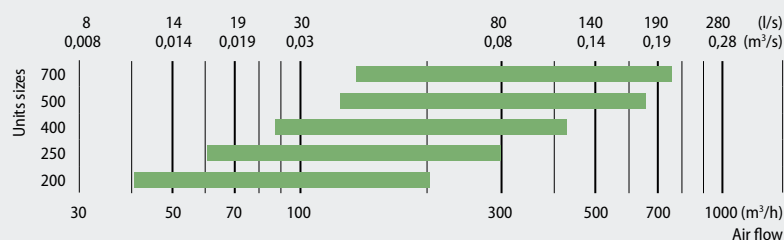
Sizes and capacities of Domekt R units:



Domekt CF with counterflow heat exchanger

A wide selection of residential ventilation units with counterflow plate heat exchanger, horizontal, vertical and flat installation. Domekt CF units efficiently save energy by significantly reducing both heating and air conditioning costs especially with diffusionenthalpy heat exchanger. Ideal for moderate and warm climate countries.

Sizes and capacities of Domekt CF units:



Specifications

Device	Heat exchanger type	Humidity recovery Standard / Enthalpy	SEC	Reference flow rate, m³/s	Reference flow rate, m³/h	Maximal air flow at 100 Pa, m³/h	Device dimensions (b × h × l), mm	Weight, kg	Duct diameters, mm	Thermal efficiency of heat recovery, %	Electric power input of the fan drive at reference flow rate, W	Electric power input of the fan drive at reference flow rate, W	Electric preheater / air heater capacity, kW
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Flat units

Domekt R 150 F C8		Δ / Δ Δ Δ	A	0,029	105	150	460×280×780	29	Ø 125 (1×) Ø 160 (4×)	82	17	41	- / 0,5
Domekt CF 200 F C8		Δ / Δ Δ	A+	0,039	140	202	560×294×1100	28	Ø 160 (4×)	90	14	41	- / 0,5
Domekt R 250 F C8		Δ / Δ Δ Δ	A	0,049	175	250	602×310×842	42	Ø 125 (1×) Ø 160 (4×)	80	34	78	- / 1
Domekt CF 250 F C6		Δ / Δ Δ	A	0,057	204	292	604×294×1250	52	Ø 160 (4×)	86	33	91	1 / 0,5
Domekt R 300 F C8		Δ / Δ Δ Δ	A	0,062	225	321	630×280×1090	56	Ø 125 (1×) Ø 160 (4×)	82	41	89	- / 1
Domekt R 400 F C6M		Δ / Δ Δ Δ	A+	0,082	295	421	700×310×1170	65	Ø 125 (1×) Ø 200 (4×)	83	39	84	- / 1
Domekt CF 500 F C6M		Δ / Δ Δ	A+	0,13	455	650	1045×292×1400	93	Ø 200 (4×)	89	56	167	1 / 0,5
Domekt R 700 F C6M		Δ / Δ Δ Δ	A+	0,149	535	764	850×420×1240	93	Ø 125 (1×) Ø 250 (4×)	83	74	181	- / 2
Domekt CF 700 F C6M		Δ / Δ Δ	A+	0,14	494	706	875×344×1365	84	Ø 250 (4×)	88	67	176	1 / 1

Vertical units

Domekt R 200 VSO C8		Δ	A	0,041	149	213	1370×2160×750	153	Ø 100 (1×) Ø 125 (2×)	81	26	61	- / 0,5
Domekt R 200 V C8		Δ	A	0,05	163	233	325×607×600	39	Ø 125 (5×) Ø 100 (1×)	80	23	63	- / 0,5
Domekt R 200 E1 V C8		Δ	A	0,05	163	233	325×607×600	39	Ø 125 (5×) Ø 100 (1×)	80	23	63	- / 1
Domekt R 350 V C8		Δ / Δ Δ Δ	A+	0,068	246	352	495×512×598	45	Ø 125 (1×) Ø 160 (4×)	86	37	103	- / 0,5
Domekt R 400 V C6M		Δ / Δ Δ Δ	A+	0,073	261	373	495×561×598	49	Ø 125 (1×) Ø 160 (4×)	86	43	118	- / 1
Domekt CF 400 V C6M		Δ / Δ Δ	A+	0,082	295	422	585×750×598	55	Ø 160 (4×)	89	48	123	1 / 0,5
Domekt R 450 V C6M		Δ / Δ Δ Δ	A+	0,096	347	496	585×655×680	60	Ø 125 (1×) Ø 160 (4×)	86	55	147	- / 1
Domekt R 600 V C6M		Δ / Δ Δ Δ	A+	0,13	468	669	610×750×905	82	Ø 125 (1×) Ø 200 (4×)	84	59	167	- / 1,5
Domekt R 700 V C6M		Δ / Δ Δ Δ	A+	0,14	517	738	637×950×1070	110	Ø 125 (1×) Ø 250 (4×)	84	76	178	- / 2
Domekt CF 700 V C6M		Δ / Δ Δ	A+	0,13	455	650	491×1220×1020	100	Ø 200 (4×)	89	73	178	1 / 1
Domekt R 900 V C6M		Δ / Δ Δ Δ	A	0,183	659	942	637×950×1070	110	Ø 125 (1×) Ø 250 (4×)	83	118	235	- / 2

Horizontal units

Domekt R 400 H C6M		Δ / Δ Δ Δ	A+	0,097	350	500	515×567×660	49	Ø 125 (1×) Ø 160 (4×)	84	52	125	- / 1
Domekt R 600 H C6M		Δ / Δ Δ Δ	A+	0,126	455	650	570×600×1060	80	Ø 125 (1×) Ø 200 (4×)	83	62	158	- / 1
Domekt R 700 H C6M		Δ / Δ Δ Δ	A+	0,144	519	742	634×700×930	83	Ø 125 (1×) Ø 250 (4×)	84	73	179	- / 2
Domekt CF 700 H C6M		Δ / Δ Δ	A+	0,121	435	621	487×700×1500	95	Ø 250 (4×)	89	71	180	1,5 / 0,5

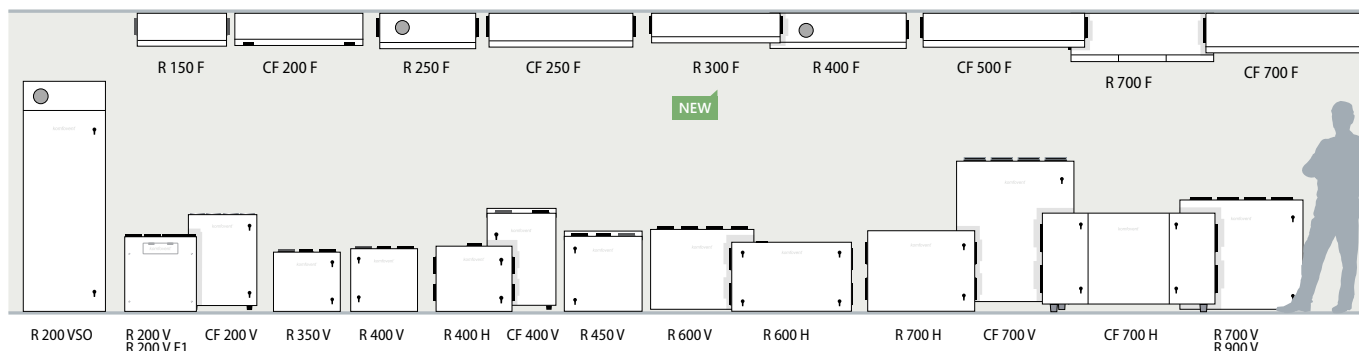
Legend:

Heat exchanger type:

	Rotary		Counterflow
Δ Δ Δ	L/AZ – Sorption-enthalpy	Δ Δ	ER – Diffusion-enthalpy
Δ	L/A – Condensing	Δ	Condensing

- Standard filter class (supply/exhaust) – ePM1 60 % / ePM10 50 % (F7/M5)
- Heater type: electric
- Supply voltage: 1~230 V

DOMEKT air handling units



Smart control systems C6M, C8 for DOMEKT units



For both: beginners and advanced users

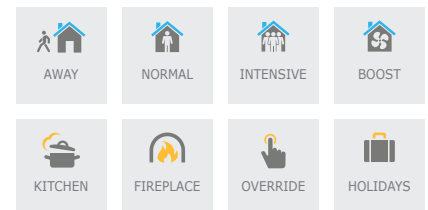
A user-friendly interface enables intuitive navigation and control of the unit. The core philosophy behind the design of C6M, C8 – the ventilation unit would operate properly without constant adjustments from the user. Different ventilation modes are optimized for the user's daily needs. Automatic air quality control selects the most appropriate mode and ensures the comfort conditions in the room.

Advanced users can control the unit's operation according to their needs, many settings and control possibilities are provided as well:

- Air flow control: CAV / VAV / DCV*.
- Intensity control by air quality, CO₂, humidity level.

Operating modes

- 8 preset modes.
- Intelligent energy saving algorithms.
- Automatic air quality control with optional AQ sensor.
- Extensive weekly schedule.



Energy counters*

- Real-time energy consumption indicator.
- Possibility of observing the running costs of the ventilation unit.
- Heat recovery counter.

* Except C8 control system.

Connectivity & Protocols



Control options



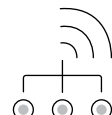
App "Komfovent Control"



Control panel



Web Server



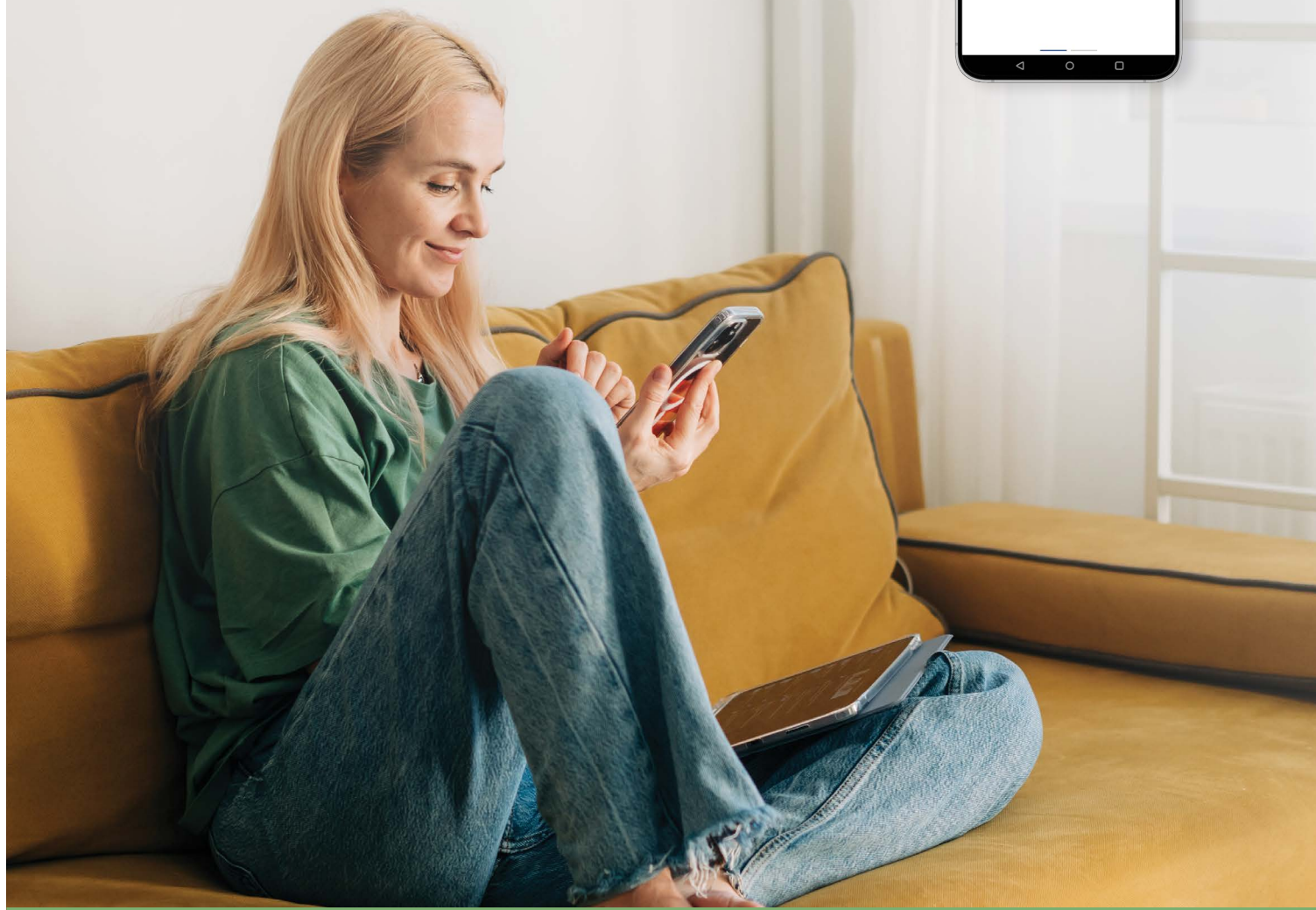
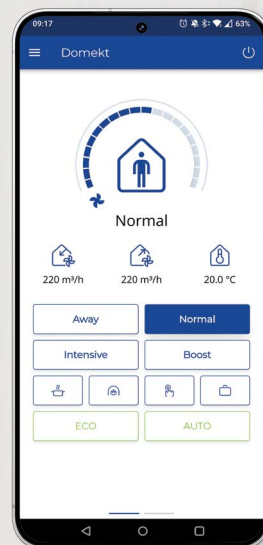
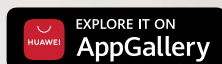
Connectivity & Protocols

“Komfovent Control” app

Your home indoor climate in your hand with Komfovent Control app.

Easily manage your home's indoor climate with “Komfovent Control”. This intuitive mobile app offers extensive control options, allowing you to quickly and conveniently adjust ventilation settings wherever you are.

“Komfovent Control” – home comfort at your fingertips.



KOMFOVENT UAB

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