

Compact H

Compact air handling unit
with a counterflow heat exchanger



Compact H

The COMPACT H air handling unit is a compact unit equipped with a high-efficiency counterflow heat exchanger.

The product line includes 7 sizes with airflow capacities ranging from 200 to 9,000 m³/h. The unit is designed for outdoor installation (BD version) and indoor installation (BS version).

As standard, the unit is delivered to the customer as a complete, ready-to-operate system. Thanks to its innovative self-supporting design, all essential components have been integrated into the compact casing, including the power and control panel, complete internal wiring operating in a Plug & Play system, and intuitive manufacturer-supplied controls.



Compact
unit



Counterflow
heat exchanger



Indoor or outdoor
installation



Self-supporting
design



Floor-standing
unit



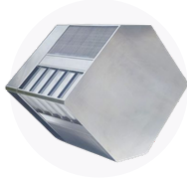
Plug & Play
system

 size **7**

 airflow
capacity

200 · 9 000 m³/h

Unit components



Counterflow heat exchanger



Energy-efficient EC fans (IE4)



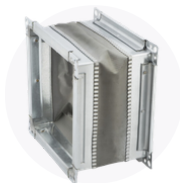
Panel filters



PTC electric or water heater



Practical finishing elements



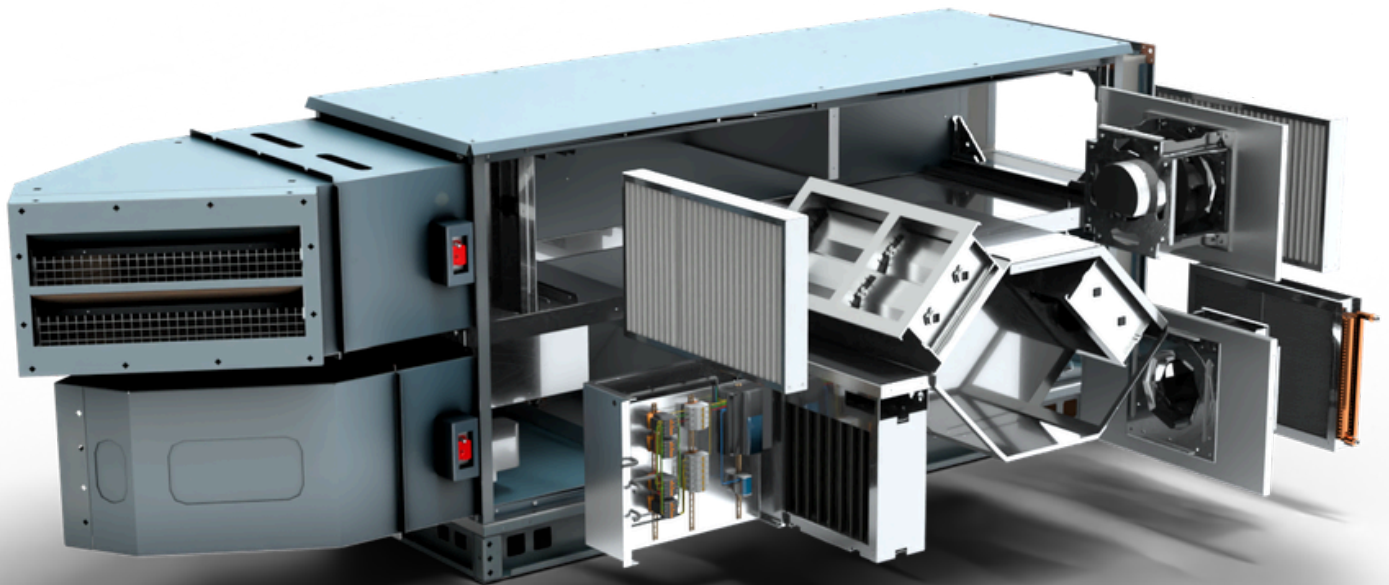
Convenient flexible connections



Suitable for outdoor installation



Full internal wiring Plug & Play



87%

heat recovery efficiency thanks to the use of a **counterflow** heat exchanger

Basic information



Casing

- Self-supporting unit construction without aluminum profiles
- The external panels of the air handling units are made of Magnelis ZM310 coated steel sheet; the internal panels are made of galvanized steel sheet
- Indoor or outdoor execution
- The outdoor version is equipped with a special roof
- The outdoor version is equipped with an integrated air intake and exhaust
- 50 mm unit insulation



Heat recovery

- Counterflow heat exchanger
- Heat recovery efficiency up to 87%



Fans

- High-efficiency EC motors
- Motor operation within the optimum speed range
- Reduced heat emission



Heater

- Water heater
- Connections flush with the inner surface of the AHU casing, ensuring compactness and transport safety
- Compact dimensions relative to heating capacity
- PTC electric heater (optional)



Filters

- ISO ePM10 50% (M5)
- ISO ePM1 70% (F7)



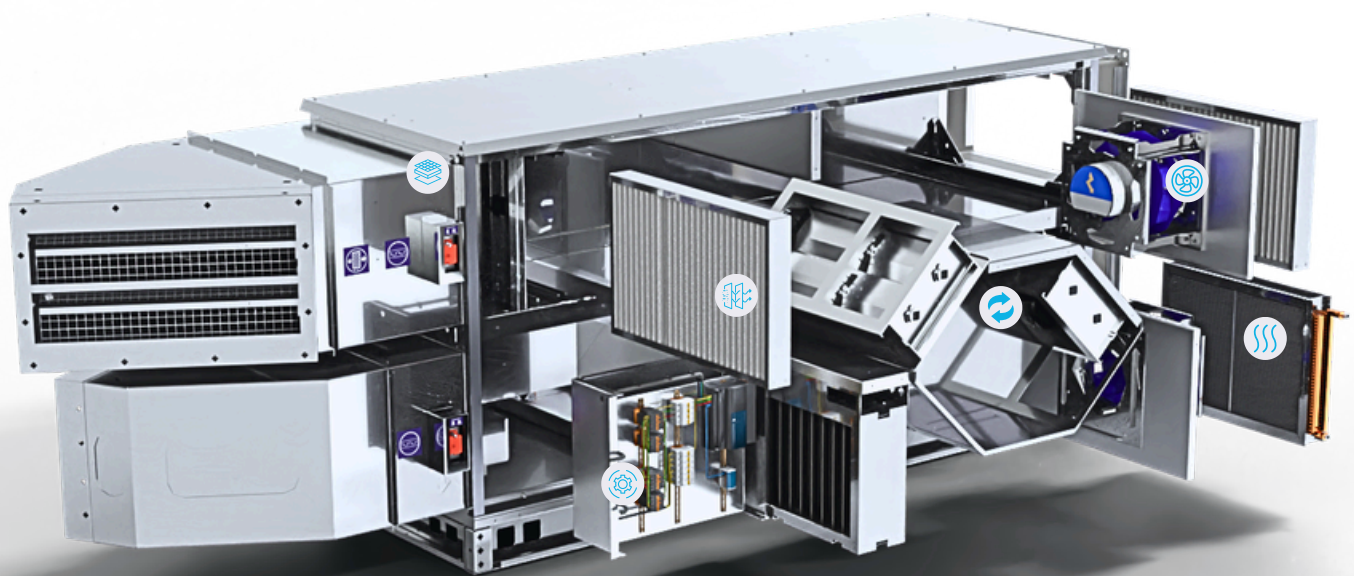
Automation

- Integrated with the unit's power and control panel
- Cooperation with peripheral devices
- Plug & Play controls with internal wiring

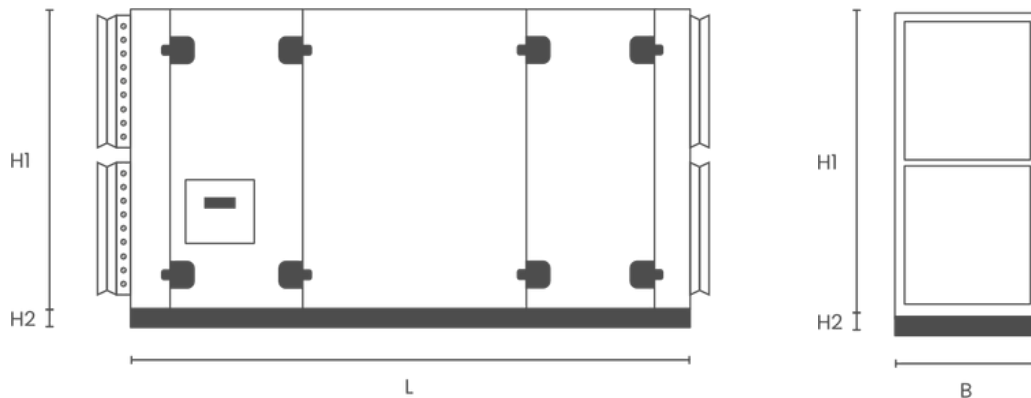


Additional sections

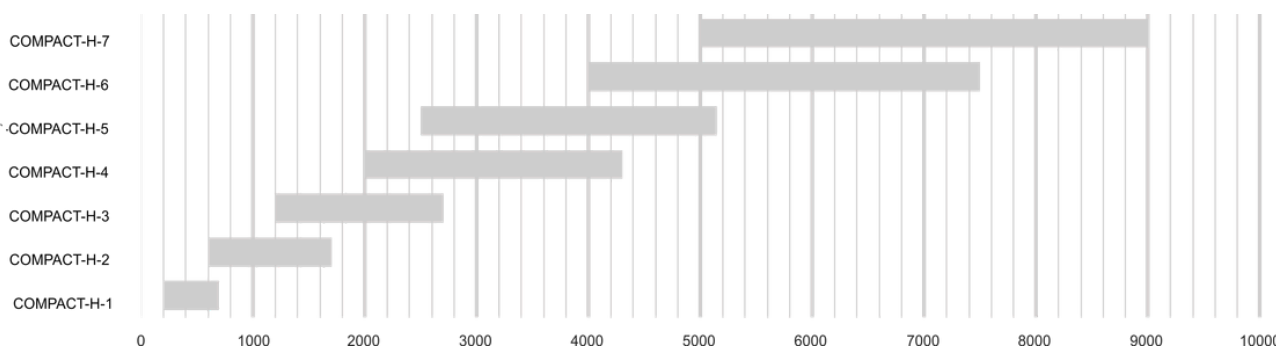
- Recirculation section
- Water / DX cooling coil section
- Humidification section
- Silencer section
- Secondary filtration section



Technical data



unit size			H-1	H-2	H-3	H-4	H-5	H-6	H-7	
airflow range	min.	[m³/h]	200	600	1200	2000	2500	4000	5000	
	max.		700	1700	2700	4300	5150	7500	9000	
available external static pressure		[Pa]	200/200	300/300	400/400	400/400	500/500	500/500	500/500	
heat recovery efficiency		[%]	86	86,3	85,7	82	81,8	81,5	83	
weight		[kg]	250	350	485	540	625	692	806	
dimensions	L	[mm]	1 750	1 950	1 950	2 450	2 450	2 600	2 850	
	B	[mm]	600	800	1 200	1 200	1 400	1 600	1 600	
	H1	[mm]	800	1 000	1 000	1 200	1 200	1 410	1 800	
	H2	[mm]	100	100	100	100	120	120	120	
insulation		[mm]	50							
connection size		[mm]	500x300	700x400	1100x400	1100x500	1300x500	1500x600	1500x800	
power consumption	fan motor power	[kW]	0,17	0,5/0,78	0,78	1,35/2,5	2,5/3,9	3,9/5,6	3,5/5,4	
	maximum electric heater power	[kW]	6	15	18	24	30	39	39	
	maximum water heater capacity	[kW]	7,4	16	27	41	51	76	84	
maximum motor current		[A]	1,7/1,7	2,5/4	3,9/4	6,7/4	4/6,2	6,2/9	5,6/8,6	
power supply		[V,Hz]	3~400, 50							
filters	ISO ePM10>50% (M5), ISO ePM1>70% (F7)									



Air tailored to **your** needs



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