

UBIFLUX COMPACT W200 ENTHALPY



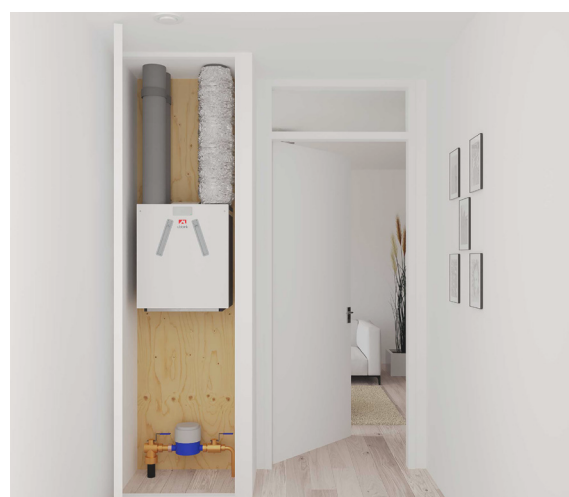
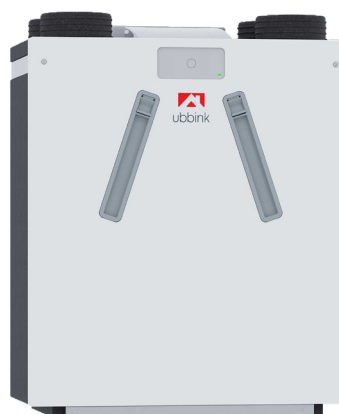
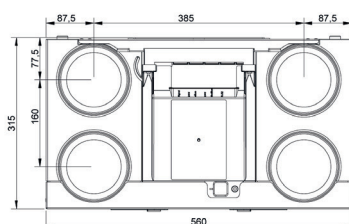
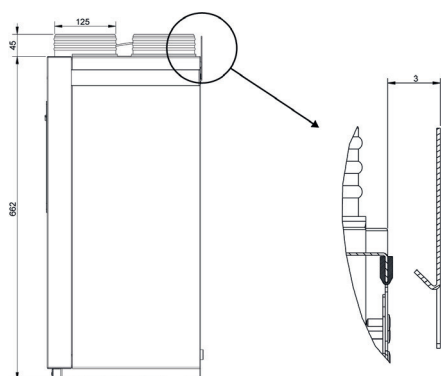
Heat recovery ventilation unit

Product information

Ubiflux Compact W200 Enthalpy is a compact heat recovery ventilation unit delivering up to 200 m³/h. Designed for apartments, small homes and renovation projects, it fits easily into tight spaces such as kitchen cupboards or small storage rooms. The unit offers simple operation, an integrated summer bypass and is available in left- and right-hand versions. The enthalpy exchanger adds extra comfort and removes the need for condensate drainage. It can be expanded with CO₂/RH demand control and accessories such as a preheater and advanced filters.

- Compact 200 m³/h unit fits standard cupboards and small service spaces
- Integrated summer bypass for straightforward comfort control
- Left or right duct versions for flexible installation
- Enthalpy exchanger (no condensate drain)
- Expandable with CO₂/RH demand control, preheater and advanced filters

Product dimensions



UBIFLUX COMPACT W200

ENTHALPY



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Technical specifications

Specifications										
Ubiflux Compact W200										
Thermal efficiency (EPB)	50 m³/h -> 82%									
	140 m³/h -> 73%									
	200 m³/h -> 69%									
Power per fan (EPB)	77 W									
Thermal efficiency (PHI)	82%									
SPI (PHI)	0,29 W/h/m³									
Supply voltage [V/Hz]	230 V / 50 Hz									
Dimensions (w x h x d) [mm]	560 x 660 x 315									
Duct diameter [mm]	125									
Weight [kg]	20									
Filter class	ISO Coarse 60%									
Fan setting	0		1		2		3		max	
Airflow m³/h (factory set values)	50		75		100		150		200	
Permissible resistance of duct system [Pa]	3	9	7	21	13	38	28	84	50	150
Rated power [W]	8,5	9,2	11,0	12,8	17,0	20,7	39,6	50,2	77,5	100,4
Rated current [A]	0,12	0,13	0,13	0,15	0,17	0,21	0,35	0,43	0,64	0,82
Cos φ	0,310	0,316	0,372	0,383	0,425	0,437	0,496	0,507	0,528	0,535
Max rated current [A]	1,5									
Permitted ambient conditions	Between +2°C and +40°C. RH <90% non condensing									
Storage and transport conditions	Between -20°C and +45°C. RH <90% non condensing									
Permitted air temperature through appliance	Between -20°C and +45°C									
Sound power										
Ventilation capacity [m3/h]							80	120	160	200
Sound power level Lw(A)	Static pressure [Pa]						25	50	75	100
	Casing radiation [dB(A)]						36,2	41,7	46,2	49,7
	Duct "From dwelling" [dB(A)]*						37,5	45,5	50,5	55,5
	Duct 'To dwelling' [dB(A)]*						53	61,5	66,5	70,5

* Duct sound level including end correction. In practice the value may differ by 1dB(A) through measurement tolerances.

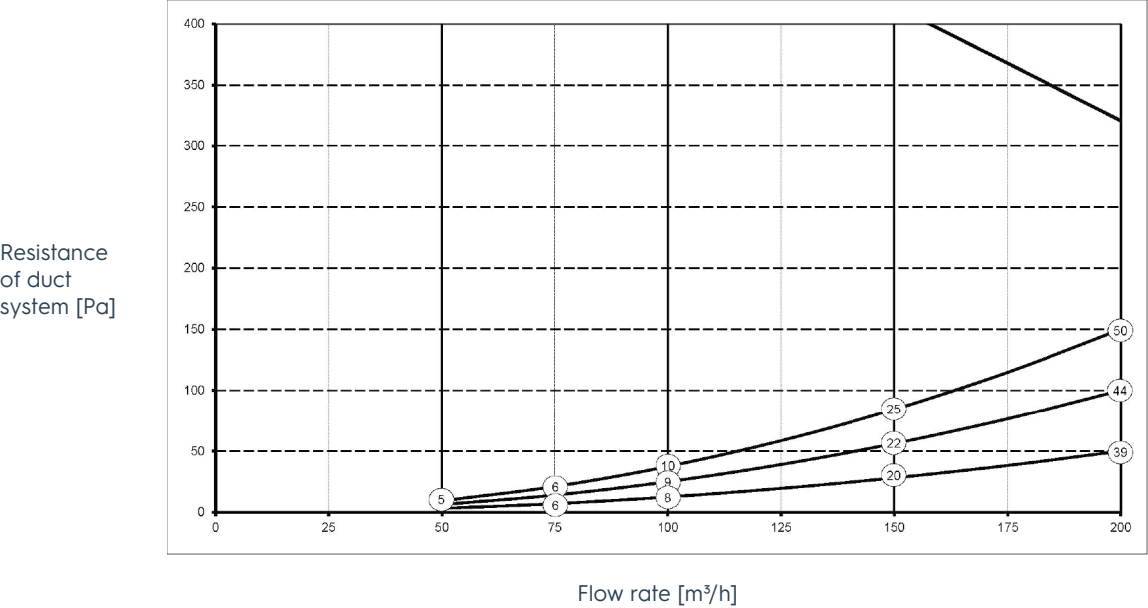
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Fan chart



Note that the values circled in the graph are the power used (in Watt) per fan.

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Heat recovery ventilation unit

Connections

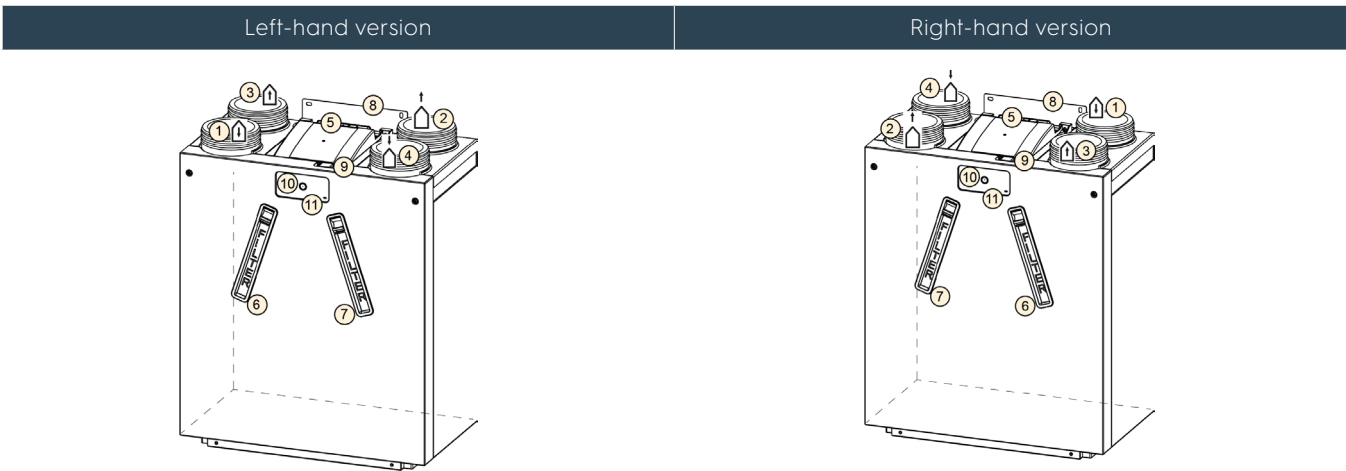
The Ubiflux Compact W200 Enthalpy appliance is available in a left-hand and right-hand version.

Left-hand version:

- The “warm” connections supply air (1) and extract air (3) are on the left-hand side of the appliance.

Right-hand version:

- The “warm” connections supply air (1) and extract air (3) are on the right-hand side of the appliance.



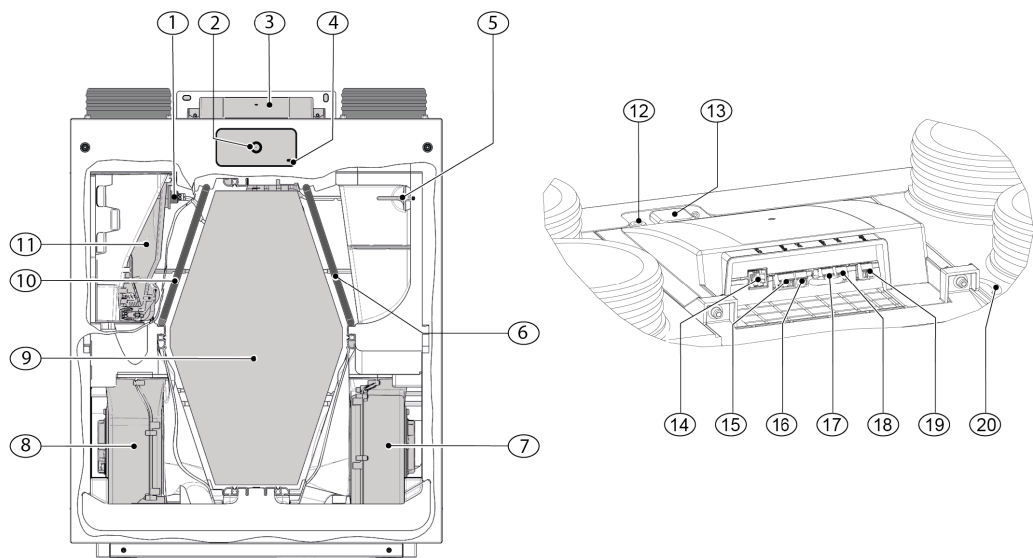
1. Supply air		7. Supply air filter
2. Exhaust air	↓	8. Mounting bracket
3. Extract air	↑	9. USB and Service Tool connection
4. Outdoor air	↑	10. Push button
5. Electrical connections PCB	↓	11. Status LED
6. Exhaust air filter		

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ENTHALPY

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Overview internal parts



The appliance shown above is a left-hand version: in a right-hand version all the internal parts are mirrored.

1. Extract air temperature sensor (NTC2)	11. Bypass valve incl. motor
2. Push button	12. Service Tool connection
3. PCB location	13. USB connection
4. Status LED	14. RJ12 connector (X14/black)
5. Outdoor air temperature sensor (NTC1)	15. ModBus connection (X15/red)
6. Supply air filter	16. 24V connection (X16/black)
7. Exhaust fan	17. eBus connection (X17/green)
8. Supply fan	18. 24V connection (X18/black)
9. Heat exchanger	19. Relay output (X19/blue)
10. Exhaust air filter	20. 230V power supply cable