UBIFLUX F150 - F200

Heat recovery unit (ceiling unit)

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The Ubiflux F150 & F200 units for ceiling (or wall) mounting are flat, quiet and require minimal installation height. For additional connection options, the units are also available in a Plus version.

Features and benefits

- Constant flow control
- Automatic bypass as standard (100% summer bypass)
- Filter indication (on clock control)
- Intelligent energy-efficient frost control Meets EN308 standard - www.epbd.be

Technical specifications

	F150	F200
Ventilation capacity at 150Pa [m³h]	50-150	50-200
Thermal efficiency	78% => 151m³/h	75% => 200m³/h
Channel connection	4x ø125	4x ø160
Electric consumption/fan [W]	38	56
Dimensions [mm]	1000x660x198	1000x660x198
Filter class	G4 ISO Coarse 60%	G4 ISO Coarse 60%
Constant-flow	Yes	Yes
Condensate drain [mm]	Ø32	Ø32
SFP*	0,33 Wh/m³/h	0,33 Wh/m³/h
Weight [kg]	24,5	24,5
Frost protection	Intelligent frost control with pre-heater	Intelligent frost control with pre-heater
Pre-heater	Stepless 0-375 W	Stepless 0-375 W
Supply voltage [V/Hz]	230/50	230/50
Sifon	Option	Option
Clock control	Option	Option

* 70% max and 50 Pa

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Connection options		
	Standaard	Plus
E-bus communication	x	x
4-position switch	x	x
Wireless remote control	x	x
Service connector	x	x
Pre-heater (max. 1000W - external connection) RH	x	x
Sensor (humidity sensor)	x	x
Additional pre-heater		x
Additional reheater		x
Ground heat exchanger (EWT)		x
24 V power supply 4,5VA		x
0-10V output for valve control EWT		x
1 programmable external make or break contact		x
1 programmable 0-10V input for CO2 and/or RH sensor (programmable to additional make or break contact or additional 0-10V input)		x

Reduction factor

In the calculation of the E-level, heat losses due to ventilation are corrected by a reduction factor. To reduce ventilation losses, a demand-controlled ventilation system can be used. Such a system controls the flow rates according to the need for ventilation. Control is e.g. by detecting the presence of people, humidity or CO^2.

Reduction factor			
Type of detection in dry room	Type supply control in dry rooms	Reduction factor	Ubbink system
CO^2 room: one or more sensors in each dry room	2 (day/night) or more zones	0.49	Kit 0121178
CO^2 semi-local: one or more sensors in the main living spaces and in the main bedroom	2 (day/night) or more zones	0.53	Kit 0888342
CO^2 room: one or more sensors in each dry room	Central	0.61	Kit 0121179
CO^2 semi-local: one or more sensors in the main living space and the main bedroom	Central	0.87	Kit 0121180

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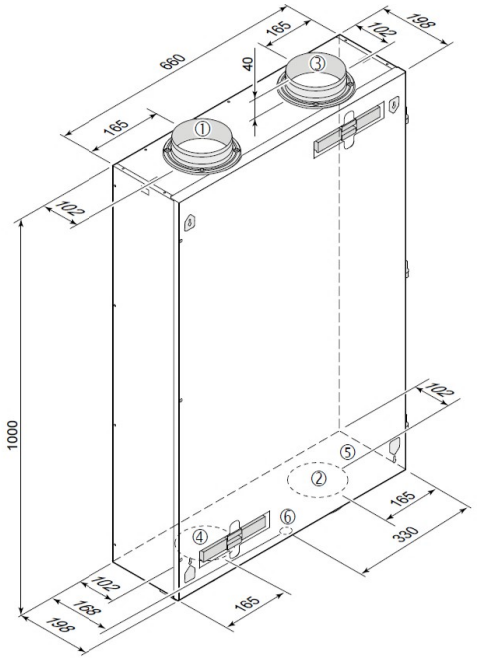
Connections

1		To residence
2		Outside
3		From home
4		From outside
5	Electrical connection	
6	Condensate drain	



All sizes in millimetres. Diameter all drill rings 125mm.

Sound power level F150											
Ventilation capacity [m³/h]		45			75			105		150	
Sound power level Lw (A)	Static pressure [Pa]	10	50	100	25	50	100	50	100	50	100
	Cabinet radiation [dB(A)]	27	33	39	33	35	40	38	41	44	45
	Channel 'from dwelling' [dB(A)]	27	36	42	34	37	42	40	43	46	47
	Channel 'to dwelling' [dB(A)]	41	49	58	50	53	57	57	60	62	64

Sound power level F200					
Ventilation capacity [m³/h]		100	125	150	200
Sound power level Lw (A)	Statische druk [Pa]	50	100	100	100
	Cabinet radiation [dB(A)]	39,5	43,3	47,9	51,7
	Channel 'from dwelling' [dB(A)]	41,8	47,2	49,2	52,9
	Channel 'to dwelling' [dB(A)]	57,8	63,7	64,7	70;4

In practice, measurement tolerances may cause the value to deviate by 1dB(A).

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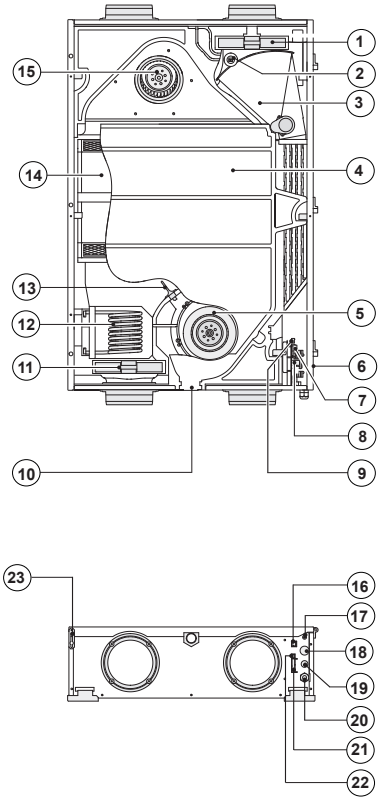
Parts

1	Exhaust air filter
2	Indoor temperature sensor
3	Bypass
4	Condensate tray
5	Extractor fan
6	Front panel locking screw (mounted in front panel)
7	Connector X14
8	Control PCB
9	Connector X14
10	Condensate drain
11	Supply air filter
12	Pre-heater
13	Outdoor temperature sensor
14	Heat exchanger
15	Supply fan
16	Modular connector for standard switch
17	Service connection
18	Pass-through low-voltage cable
19	Lead-through cable 230 V reheater or additional preheater
20	Mains cable 230 V
21	9-pole connector (only for plus version)
22	Connector eBus
23	Fall protection front panel



Ecodesign	
Average climate zone	
Manual	A
Clock control	A
1 sensor	A
2 or more sensors	A

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Position

F150					Maximum
Capacity [m3/h]	30	75	100	125	150
Acceptable air resistance [Pa]	2-6	13-38	22-66	35-105	50-150
Power consumption (excl. preheater) [W].	11-12	19-27	27-37	38-52	53-72
Power consumption (excl. preheater) [A].	0,14-0,15	0,20-0,28	0,27-0,35	0,36-0,47	0,49-0,64
Power consumption (incl. preheater) [A].	5				
Waterproof level	IP30				

F200					Maximum
Capacity [m3/h]	50	100	125	150	200
Acceptable air resistance [Pa]	3-13	13-50	20-78	28-113	50-200
Power consumption (excl. preheater) [W].	12-13	20-27	30-41	44-61	84-114
Power consumption (excl. preheater) [A].	0,13-0,15	0,20-0,27	0,28-0,39	0,40-0,54	0,74-0,98
Power consumption (incl. preheater) [A].	2,7				
Waterproof level	IP30				

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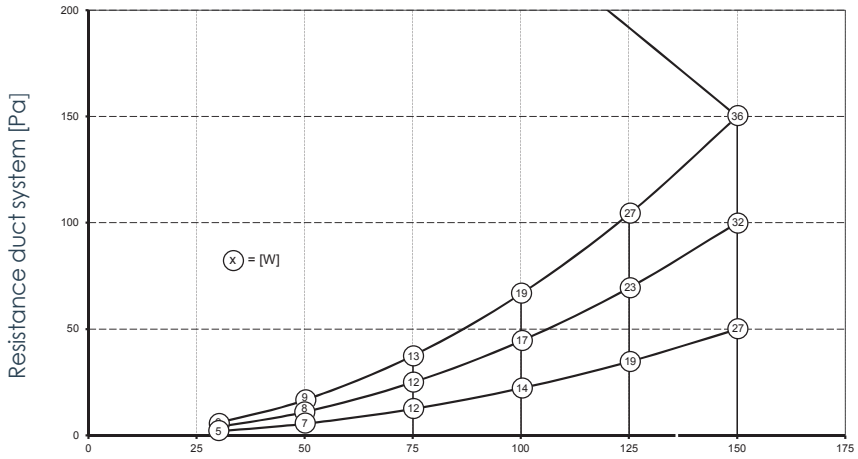
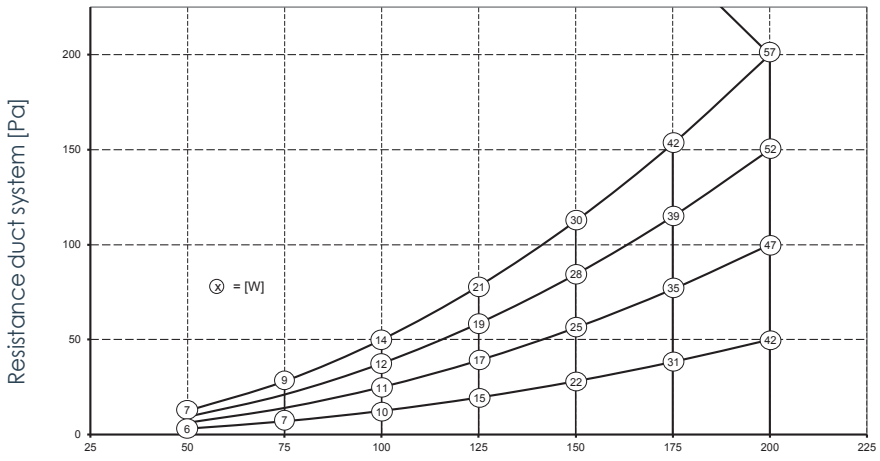
Ventilator chart

F150



F200



Note that the values circled in the graph are the power used ('Watts per fan)

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