

## KOMFORT EC D5B180

### Heat and energy recovery air handling units

#### Features

- Air handling units for efficient supply and exhaust ventilation in flats, houses, cottages and other buildings.



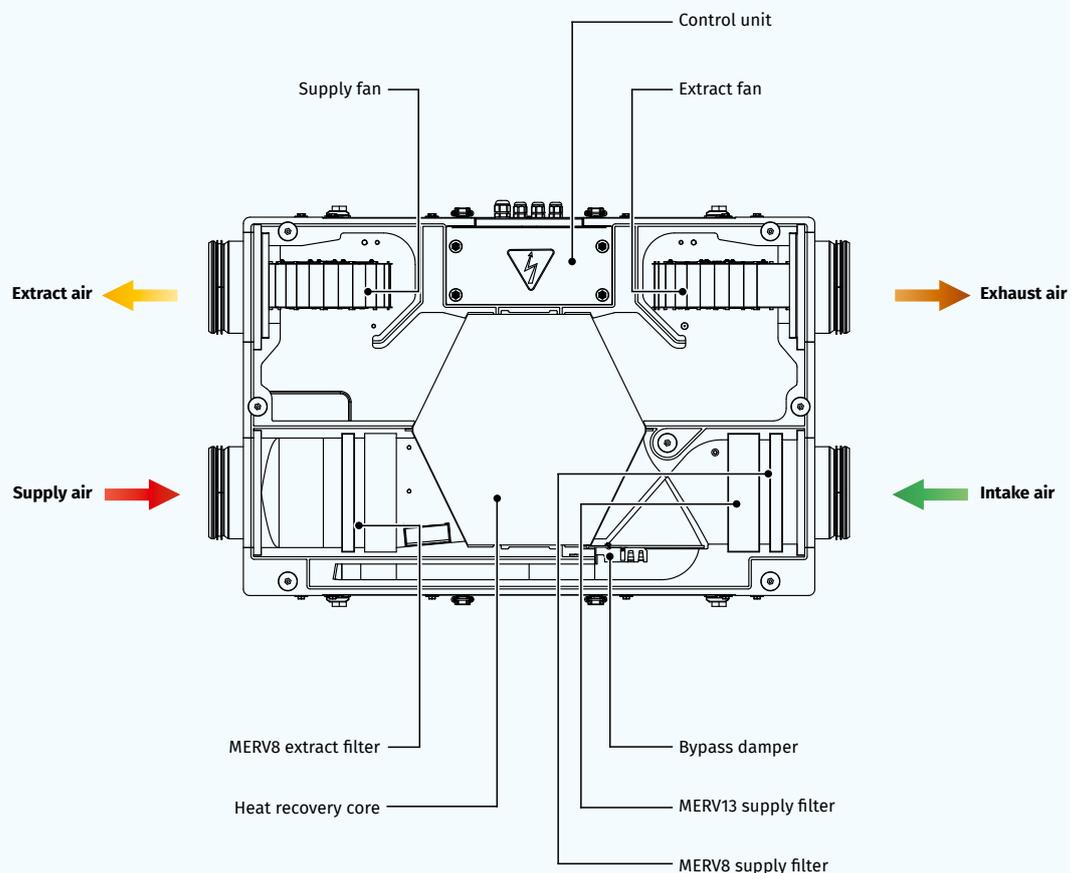
#### Design

- The casing is made of expanded polypropylene (EPP) 9/16" - 1 3/16" thickness with high heat- and sound-insulating properties.

#### Fans

- High-efficient external rotor EC motors and centrifugal impellers with backward curved blades are used for air supply and exhaust.

- EC motors have the best power consumption to air flow ratio and meet the latest demands concerning energy saving and high-efficient ventilation.
- EC motors are featured with high performance, low noise level and totally controllable speed range.
- Dynamically balanced impellers.



### Heat recovery

- KOMFORT EC D5B180** have a counter-flow polystyrene heat recovery core. In the cold season the extract air heat energy is absorbed by the cold intake air and the ventilation heat losses are minimized. The condensate produced by heat recovery is collected in a drain pan and drained to the sewage system. In the warm season the heat of the outside air is absorbed by the exhaust air. This way the supply air is pre-cooled and operation load for air conditioners is reduced.

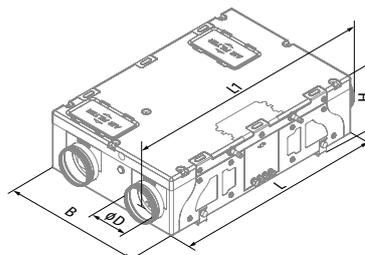


### Control and automation

- KOMFORT EC D5B180** are available with S14 and S11 automation types.
  - KOMFORT EC D5B180 S14** have an integrated control panel with sensor buttons and LED indication.
  - KOMFORT EC D5B180 S11** have a sensor control panel with LCD display.

### Overall dimensions [in]

Model	D	B	L	L1	H
KOMFORT EC D5B180	5 15/16	23 5/8	35 7/16	39 3/4	10 3/8



### Air filtration

- The built-in MERV13 and MERV8 supply filters provide efficient air filtration. The built-in MERV8 extract filter provides extract air filtration.

### Mounting

- The units are designed for suspended ceiling mounting, vertical or horizontal wall mounting.
- The correct mounted unit must provide good access for servicing and filter replacement.

### Technical data

Parameters	KOMFORT EC D5B180 (S11, S14)
Voltage [V/50-60 Hz]	1~ 120
Power [W]	87
Current [A]	0,71
Maximum air flow [CFM]	220
RPM [min <sup>-1</sup> ]	2200
Sound pressure level at 10 ft [dBA]	33
Transported air temperature [°F]	-13...+140
Casing material	EPP
Insulation	9/16" - 1 3/16", EPP
Extract filter	MERV8
Supply filter	MERV8, MERV13
Connected air duct diameter [in]	5 15/16
Weight [lb]	30.9
Heat recovery efficiency [%]	88-98
Heat recovery core type	counter-flow
Heat recovery core material	polystyrene
SEC class for S11 automation	A
SEC class for S14 automation	A+
ErP	2016, 2018

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by: