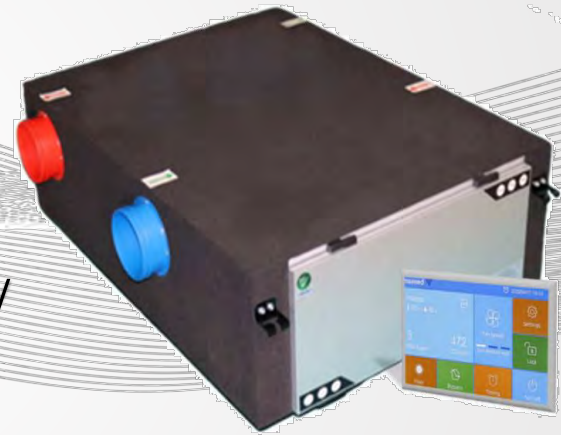




VENTUS 450+

ADVANCED CONTROLLED VENTILATION



Ventilation Unit with Heat Recovery
for domestic and commercial applications

DESCRIPTION

The Ventus 450 is an advanced mechanical ventilation unit with heat recovery (MVHR), designed by Solutionair for the New Zealand market, incorporating European quality components. The horizontal layout is ideal for ceiling and roof cavity installations. Highlights are:

- Powerful air delivery (up to 450m³/h @ 200Pa per unit)
- High efficiency counter flow heat exchanger (up to 93%)
- High efficiency EC-fans for very low SFP and low sound
- Automatic summer-bypass damper for bypassing the heat-exchanger
- Triple Sensor for 'Ventilation on Demand' (CO₂, PM_{2.5}, RH)
- HD Display Controller with capacitive touch screen for easy use and control
- High-grade pollen filter (PM_{2.5} for intake air, G4 for outgoing air)

Voltage	Max. Air Volume	Rated Air Volume	Rated Power	Rated Noise Level	Weight
(V/Hz)	(m ³ /h)	(m ³ /h)	(W)	(dB (A))	(Kg)
220/50	450	350	120	42	52

MAIN COMPONENTS

EC-Fans (2x)

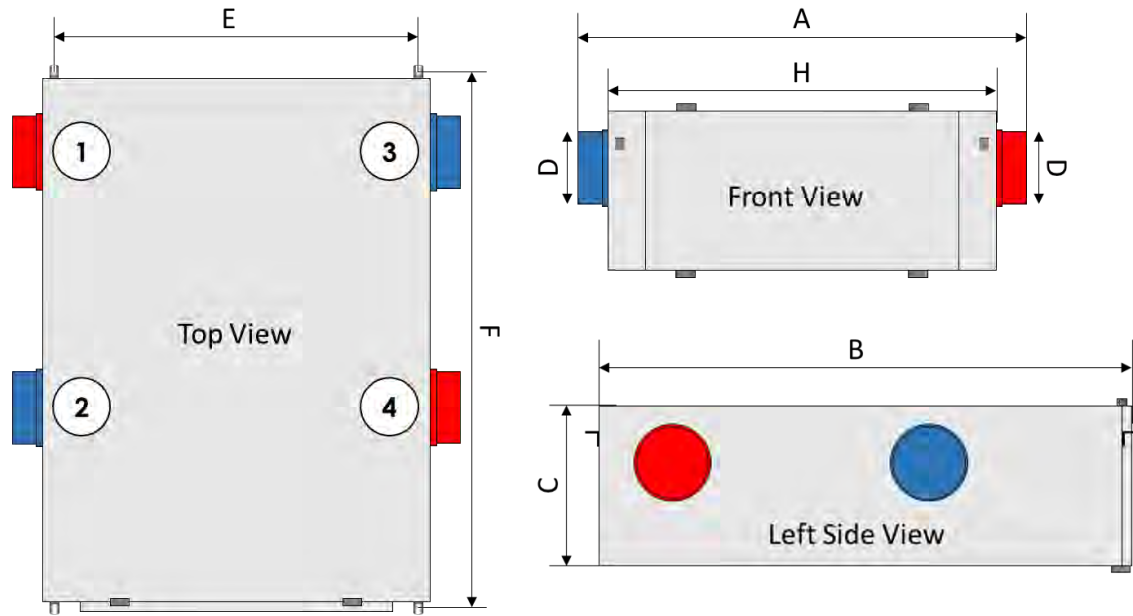
Brand ebm-papst Germany
 Model R3G-140
 Type Centrifugal forward curved
 Op. Temp. -25°C to +40°C
 Efficiency EC Brushless Motor
 Features IP44, Soft-Start, Current Limit, Locked Rotor Protection, PWM controlled

Heat Exchanger

Brand Recair Sweden
 Model Sensitive 300
 Type Counter Flow
 Op. Temp. -30°C to +50°C
 Efficiency 89% at 450m³/h
 Features Low freezing risk (less than -2°C outdoor temperature)

DIMENSIONS

1	Exhaust Air out
2	Fresh Air in
3	Air Supply
4	Extract Air

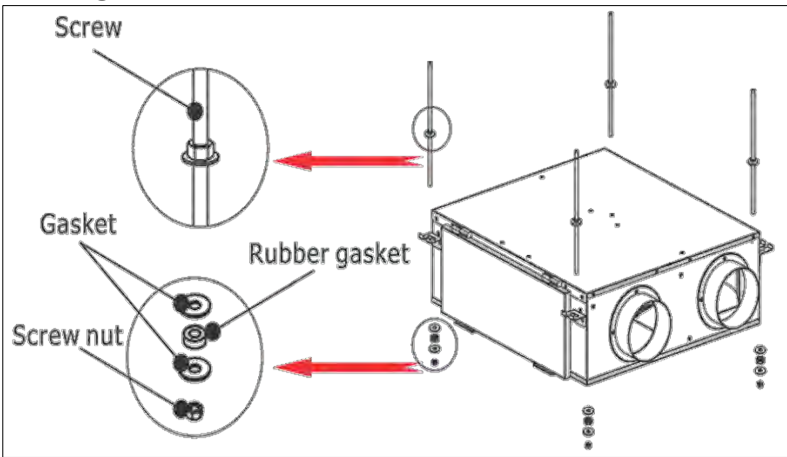


Access hatch for filter change is on the front side.

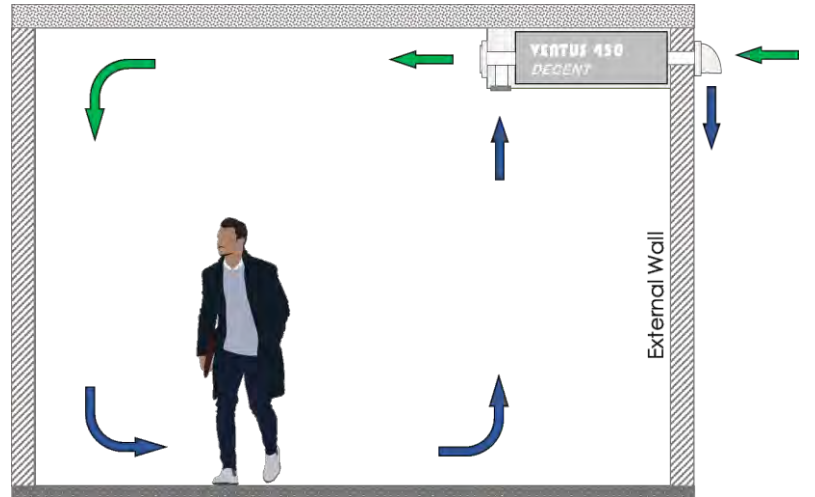
A	B	C	D	E	F	H
930	1105	320	150	755	1110	805

INSTALLATION

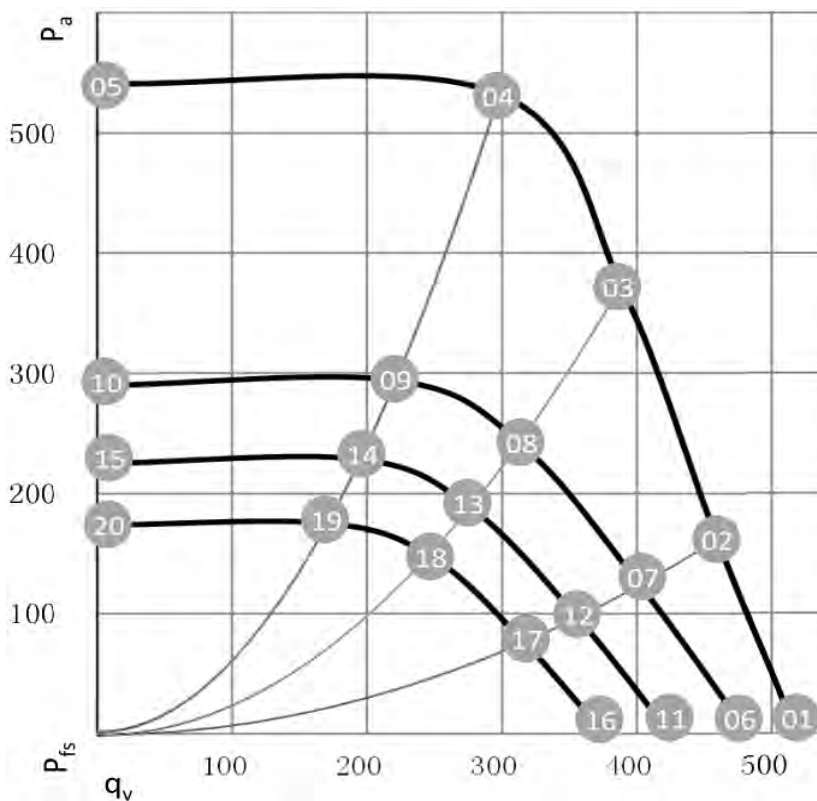
Ceiling / Roof installation



Decentralised, through-wall option



FAN CURVE



CONTROLLER

