



AIRBOX 350

SOLUTIONAIR

Balanced Ventilation with Heat Recovery & Summer By-Pass



The AirBox 350 is a SolutionAir home ventilation product designed for the New Zealand market and incorporating advanced German and Dutch technologies.

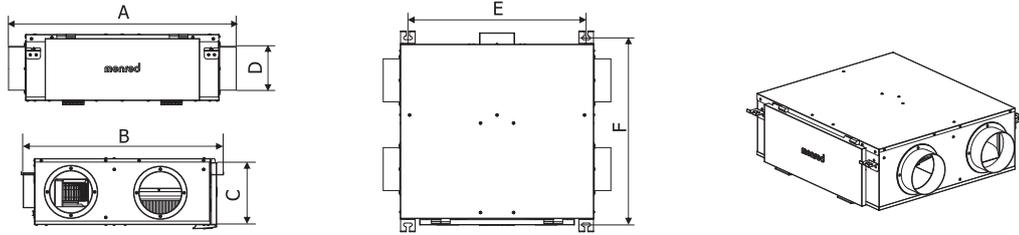
Ventilation is key for a healthy home and current trends are demanding new domestic ventilation solutions.

The first trend is dictated by the building code. New houses are built with a sealed exterior including the windows and doors. Consequently, modern houses require a balanced ventilation system which controls both the incoming air and the outgoing air. The older designs based on positive pressure are no longer viable as the exhaust air, in a closed-up house, has no path of escape.

The second trend is the demand for energy efficiency. Warm air that escapes from a house results in a loss of energy. A balanced ventilation system solves this problem by passing incoming air and outgoing air through a heat exchanger. The exiting warm stale air gives up its heat to the fresh filtered incoming air, retaining most of the energy in the house. The AirBox 350 achieves this with a high-quality heat exchanger from world-leading specialist manufacturer Recair. The Airbox 350 also uses EBM Papst EC fans with speed modulation to ensure reliability and energy efficiency.

With a balanced ventilation system, the house is vented all year round with minimal loss of heat energy as window and doors can be kept closed, keeping the house clean, less dusty and pollen free. In summer the heat exchanger may be by-passed to allow fresh filtered air directly into the house keeping it cooler.

Dimension



Unit(mm)

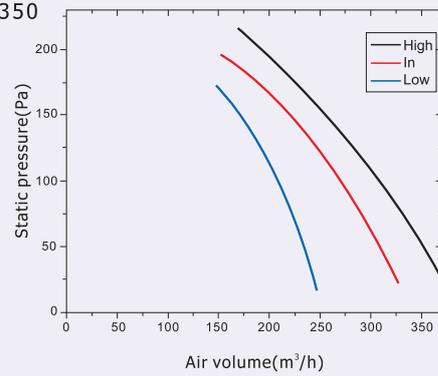
Outline size table

	A	B	C	ϕ D	E	F
Box.350	780	795	230	150	610	745

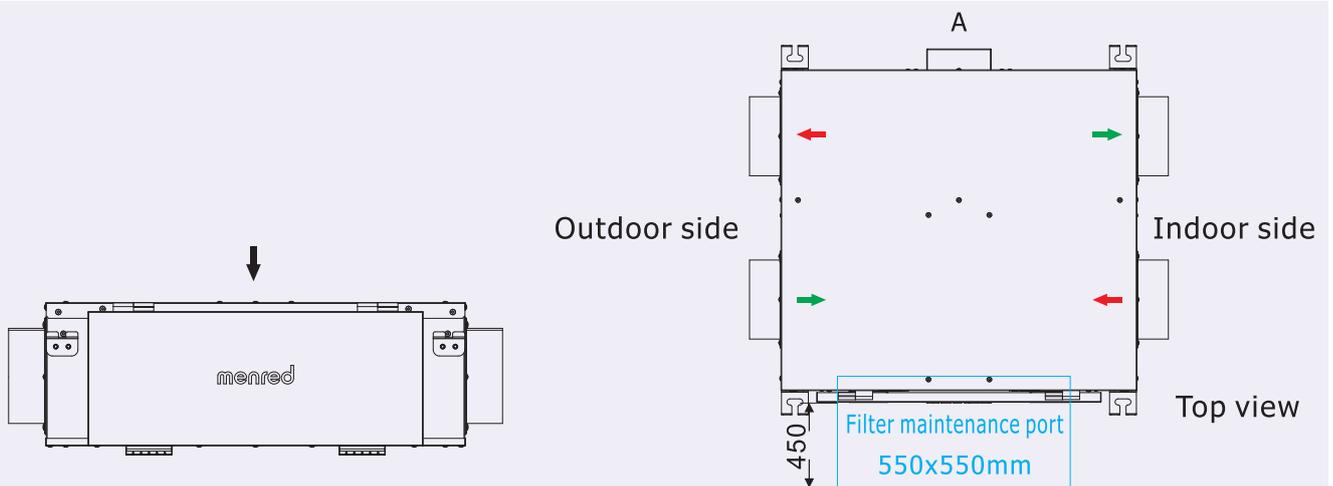
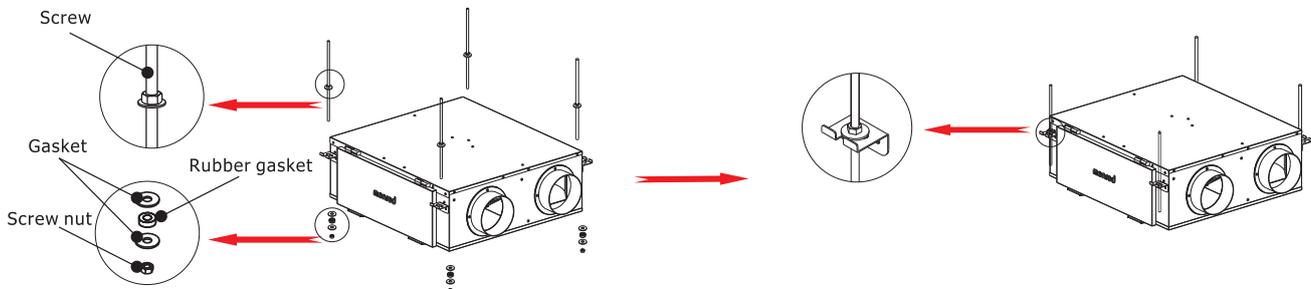
Performance parameters

Performance Curve

Box.350



Installation Diagram





IRC.1



IRC.2



IRC.3



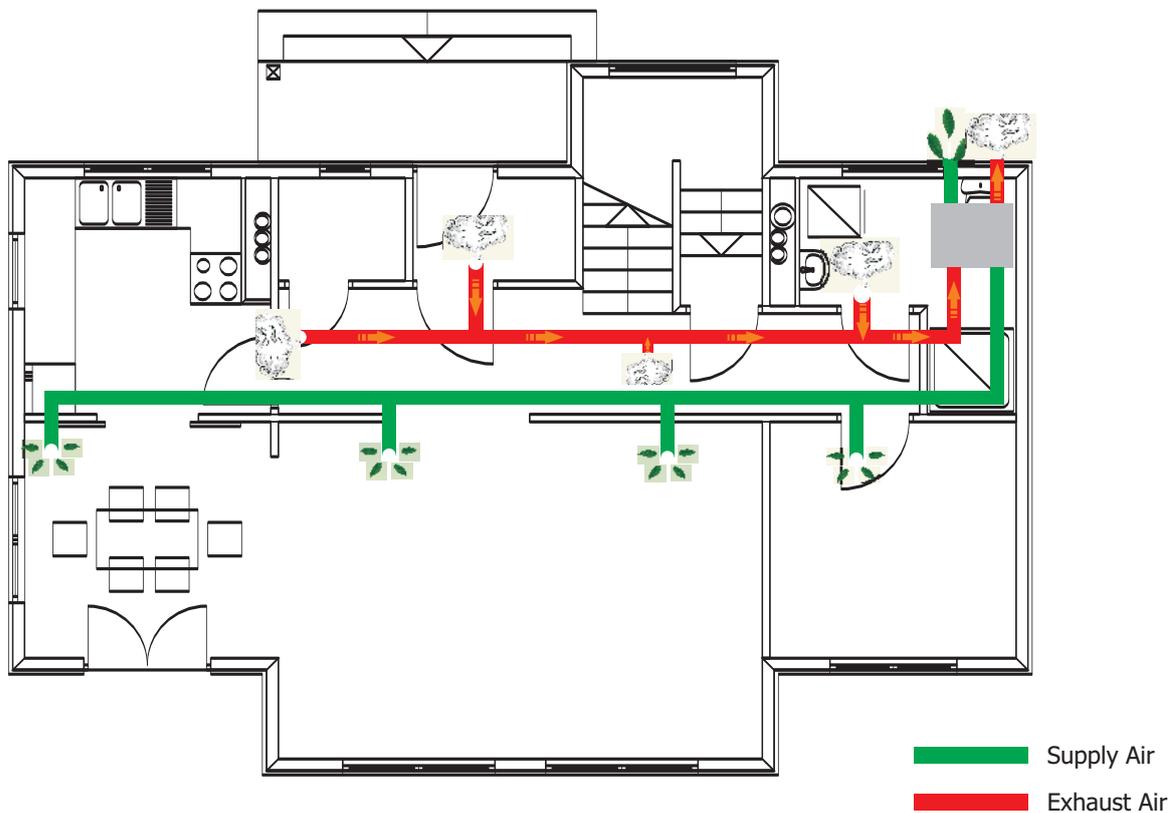
Function code: TC temperature /TP programming/RS communication/HR humidity/VOC air quality

IRC.1 Ventilation controller TC/TP/RS

IRC.2 Ventilation controller TC/TP/RS+HR

IRC.3 Ventilation controller TC/TP/RS+HR/VOC

Balanced Ventilation



Removes moist and stale air from the house whilst simultaneously introducing fresh air from the outside. The RECAIR core ensures high-energy air exchange.