



ALTAIR 120 H



ALTAIR 120 V

Low energy whole house heat recovery unit with a high-efficiency heat exchanger (up to 88%) to provide a constant supply of fresh tempered air into the living spaces.

The incorporated intelligent humidity tracking control as standard, constantly monitor the humidity level, meaning no user intervention required.

Its low profile and light weight allows fitting into false ceiling in horizontal position (ALTAIR 120H) and into a vertical wall (ALTAIR 120 V), especially into technical walls ready to enclosure embedded tanks.

As humidity rises and falls, the motor speed adjusts in direct correlation.

This controls condensation quietly and efficiently, reducing the periods of time when the system operates on maximum speed, saving energy.

Our constant flow technology delivers the required airflow at all times.

Altair is equipped with high efficiency G4 (ISO coarse 65%) filters for supply and extract.

The control switch included, allows the user to select the working mode of the unit (manual or automatic) and indicates when the filter needs replacing.

Features

- Counter-flow heat exchanger with up to 88% thermal efficiency.
- Low-consumption EC motor.
- Centrifugal forward curved impeller.
- EPP body.
- 4 nozzles Ø100 mm.
- Inlet filter:
G4 (ISO coarse 65%, at 120 m³/h).
Option, M5 (ISO ePM10 50%, at 120 m³/h).
- Extract filter G4 (ISO coarse 65%, at 120 m³/h).



Remote control included in the product

Allows regulation of:

- Speed.
- Manual or automatic mode.
- Filters alarm.



Ultra compact design:

Installation of the unit vertically on the wall (with concealed pipework) or horizontally in a false ceiling. Possibility of installation in the kitchen cabinet.



Mounting flexibility

Possibility of changing the outlet nozzle 90 °.



LOW PROFILE

Specific applications



Single dwellings



Multi dwelling blocks

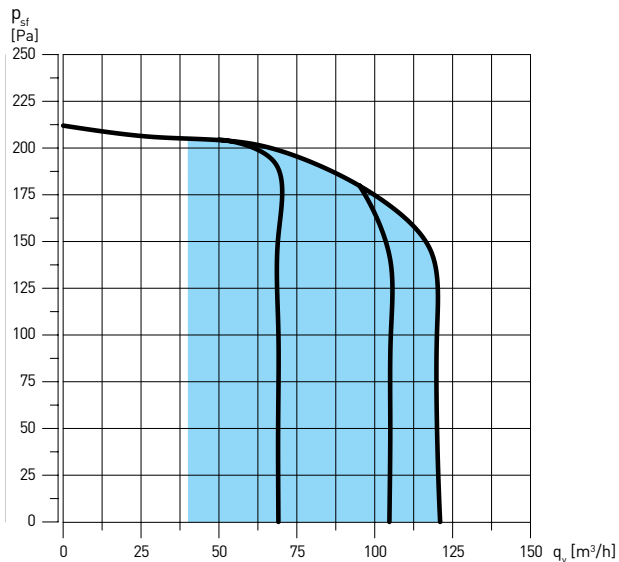


Heat recovery unit

TECHNICAL CHARACTERISTICS

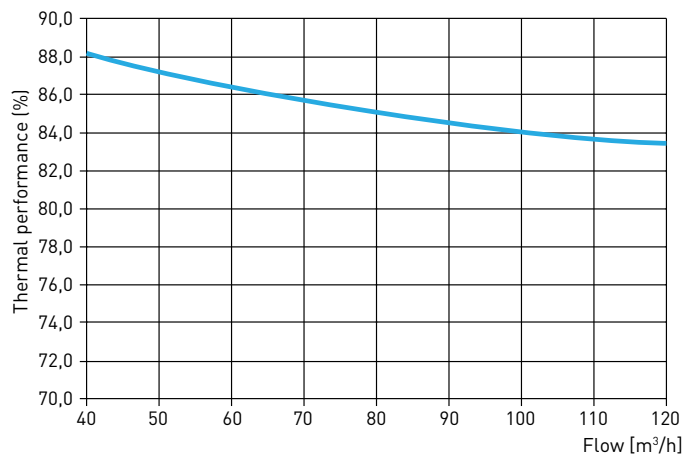
Model	Efficiency (%)	Voltage (V)	Maximum airflow at 100 Pa (m ³ /h)	Sound pressure level at 1,5 m (120 m ³ /h - 100 Pa) (dB(A))	Absorbed power (W)
ALTAIR 120 H	88	230	120	38	53
ALTAIR 120 V					

PERFORMANCE CURVES



Curves defined considering clean filters.

EFFICIENCY CURVE

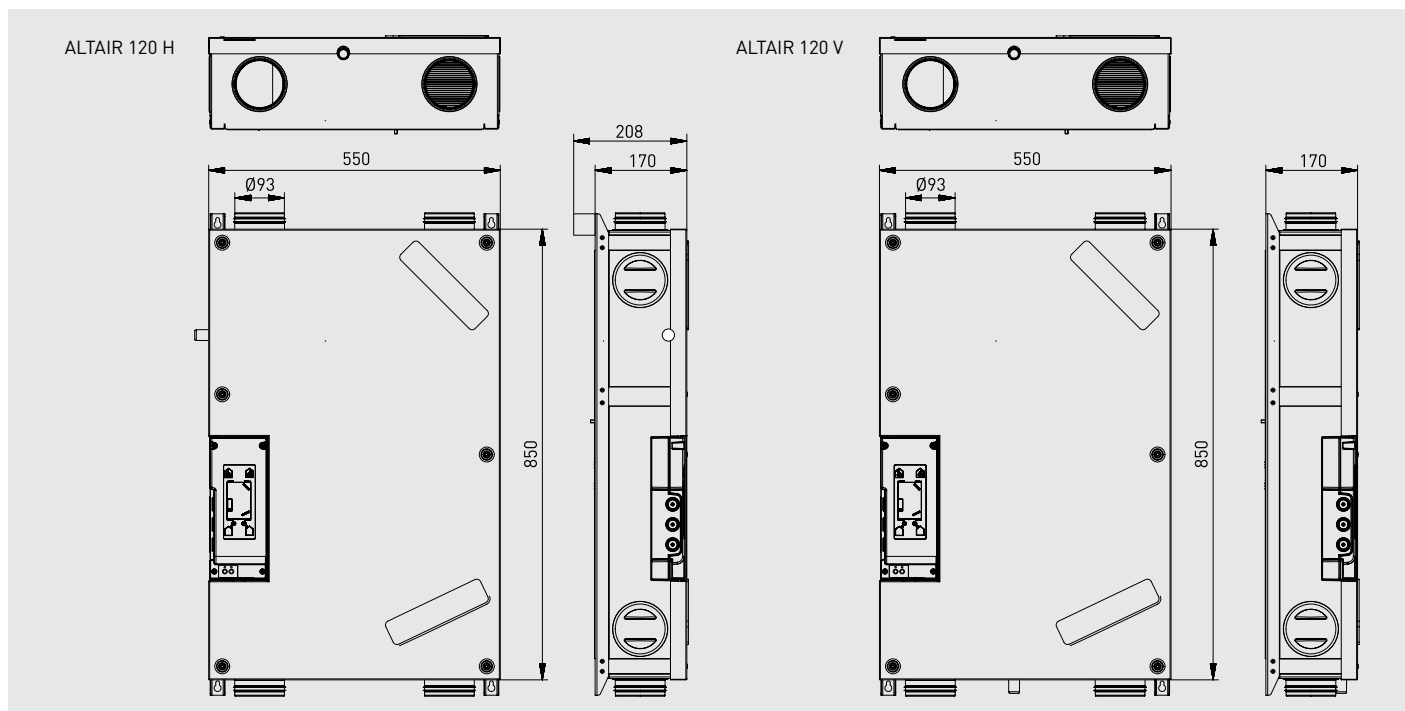


Performance obtained according to UNE 13141-7 (Text 20°C and Tint 7°C).

CONSUMPTION TABLE - Pabs (W)

		qv (m ³ /h)		
		70	105	120
Pst (Pa)	150	40	49	53
	100	31	37	47
	50	12	17	23

DIMENSIONS (mm)



MOUNTING ACCESSORIES



KIT G4/G4 ALTAIR
 Pack G4 (ISO coarse 65%) spare filters.



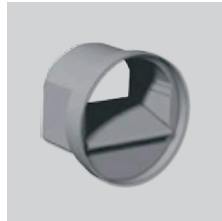
BARJ BARP
 Self-adjusting calibrated extraction valves.



BDOP
 Supply and extraction valve.



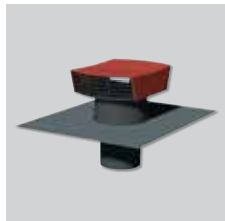
RDR
 Self-adjusting damper (50-250 Pa) that, fitted inside the duct, maintains constant airflow.



RD BP
 Specific low-pressure (20-100 Pa) and self-adjusting damper with sleeve to fit directly into the duct. 80mm diameter. Airflow: 15 or 30 m³/h.



RD BP SM
 Specific low-pressure (20-100 Pa) and self-adjusting damper without sleeve to fit directly into the sleeve of the BDOP. 80mm diameter. Airflow: 15 or 30 m³/h.



CT
 Roof cowl.



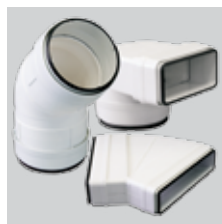
ADRF 100/80
 Reduction to connect rigid duct to spigots for flexible ducts.



GPR-ISO
 Insulated rigid duct.



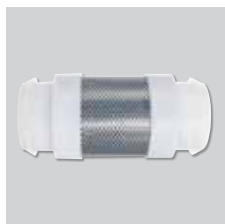
GP GPX GP-PRO GP-ISO
 Insulated PVC ducts.



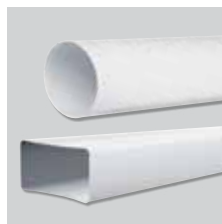
TUBPLA ESTANCO - V SERIES
 Self-extinguishing rectangular plastic ducts. TUBPLA V series with gasket.



LAF 95
 Sound attenuators (0,5 and 1 meters models).



LA
 Acoustic connections.



TUBPLA
 Rectangular and circular ducts.



FLEXIREC FLEXICIR
 Oblong and circular semi-flexible ducts.