



DIN VENTILATION

AIR DUO
ENERGY RECOVERY VENTILATOR



90% up to
Recuperative Efficiency

- ✓ *Elegant Design*
- ✓ *Quiet Operation*
- ✓ *Fresh Air, Smarter*

Flexible Fresh Air for Modern Homes



Fresh Air. Anytime, Anywhere.

Invisible air. Visible comfort.

How many families still rely on opening windows for fresh air?

If families keep windows closed, how does indoor air quality affect their comfort, health, and energy bills?



Wouldn't it be easier if fresh air could adapt to any room---- with no major construction? in the growing home ventilation market?



AIR DUO

Fresh Air without
Opening Windows



2-IN-1

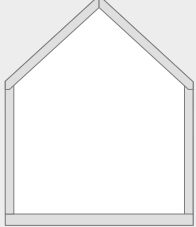
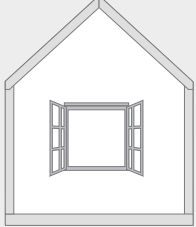
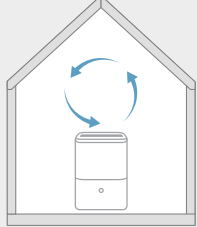
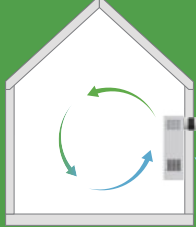
Vertical or Horizontal
Installation



SILENT

Efficient-Easy
Install

THE FRESH AIR CHALLENGE

| | | | |
|--|--|--|---|
| <p>Modern airtight homes</p>  <p>High CO₂, stuffy rooms, headaches, fatigue.</p> <p>✘</p> | <p>Opening windows?</p>  <p>Dust, noise, wasted energy.</p> <p>✘</p> | <p>Air purifiers?</p>  <p>Only recycle the same old air.</p> <p>✘</p> | <p>AIR DUO ERV</p>  <p>Clean · Fresh · Energy-saving</p> <p>✔</p> |
|--|--|--|---|

(According to WHO, indoor air pollution can be 2-5 times worse than outdoor)

“ Fresh air is not a luxury. It's a daily need. ”



AIR DUO Was Created with One Goal

Make Fresh Air Simple, Affordable, and Flexible.

Why Families Hesitate to Buy ERV Systems?

AIR DUO Wall-Mounted ERV
One Unit. Three Options.



Big Drilling

Costly, Ugly

Wall-mounted

Reduce installation costs by 30%



Rentals/Apartments

Drilling Not Allowed

120-1000 mm Air Duo Ducting

One device. Any wall. Every home.



Bulky/Noisy

Hard to Maintain

Silent Operation

Ultra-quiet 27.3 dB(A) at sleep mode

“
AIR DUO
Easy to Choose.
Easy to Install.
Easy to Enjoy.
”



AIR DUO

ENERGY RECOVERY VENTILATOR



90%^{up to}

Recuperative Efficiency



High efficiency heat and humidity recovery



Wall mounting available without drilling holes



Innovative duct fan design



Energy-saving DC motor



EPP structure



Remote control



Silent operation



F7 (Merv 13) filter



Humidity monitor



Automatic bypass function optional



Multiple installation options



PM2.5 or CO₂ sensor optional

Flexible Installation

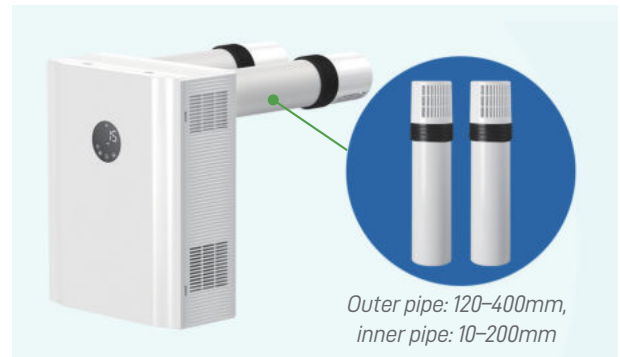
- **Wall-mounted**
Two small holes only, cleaner look, lower cost.
 - **Horizontal**
Flexible for different layouts.
 - **360° installation flexibility**
Mountable from any direction and compatible with hidden air outlets.
- Adapting effortlessly to diverse architectural requirements while reducing installation time, lowering labor costs, and delivering faster comfort.



Flexible Ducting

Air Duo wall mounted ERV allows easy customization with ducts that can be cut or extended to fit your needs (outer pipe: 120–400mm, inner pipe: 10–200mm).

Tested with ducts from 120mm to 1000mm, airflow remains stable at 100 CMH, making it ideal for varying wall thicknesses.



Faster to Install & Maintain

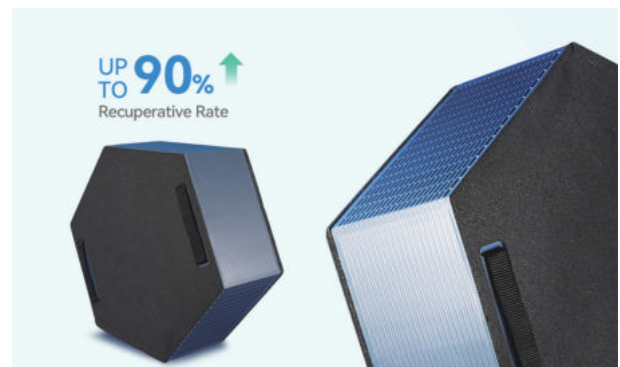
- **Quick-lock filter design**
Easy DIY maintenance.
- **Independent dual fans (Ø120 mm) with insulated ducts**
Stable airflow, no condensation.



Better Core Performance

- **Large heat exchanger core**
Up to 90% recovery efficiency.
- **Wide temperature range -20°C to 40°C**
Reliable all year round.
- **Washable antibacterial core**
Healthier, fewer after-sales issues.

Comfort today, confidence tomorrow.



Better Airtightness

The snap-on top panel design, along with the EPP casing, enhances airtightness for improved filtration and higher PM2.5 removal.

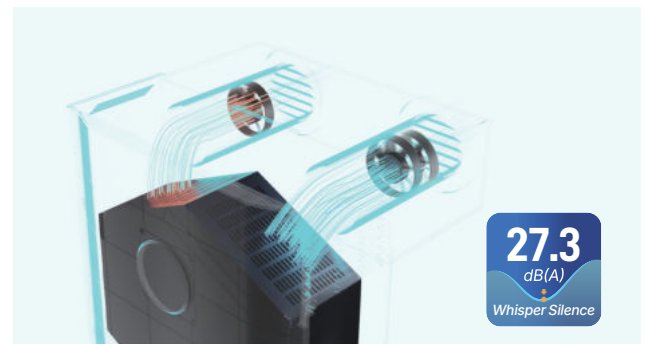


Dual Fan System

Two supply fans and one exhaust fan, arranged front-to-back, ensure consistent airflow, even with longer ducts. Airflow stays steady at 100 CMH, regardless of duct length.

Ultra-quiet 27.3 dB(A) at sleep mode

Comfortable for bedrooms, studies, offices.



Energy & Cost Saving

- **Power consumption <30W**
Fresh air at the cost of a light bulb.
- **Saves heating bills in winter & AC bills in summer.**
- **Durable DC fans & washable core**
Lower long-term maintenance costs.

Lower running costs = easier customer decision.



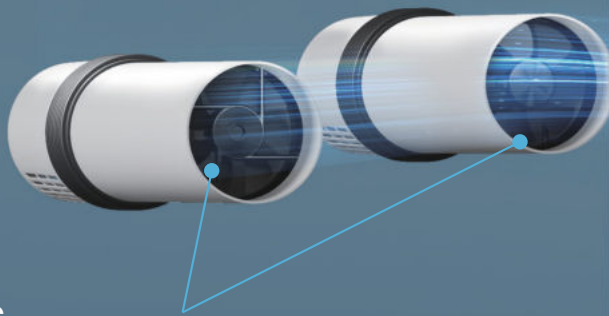
Smart Protection & Reliability

- **Black rubber seals on ducts**
Block rainwater backflow & keep insects out.
- **Built-in IAQ sensors + auto mode**
Air quality adjusted automatically.
- **CE & ErP 2018 certified**
Meets global energy standards.

New standard of fresh air: safer, smarter, more reliable.



INSIDE AIR DUO

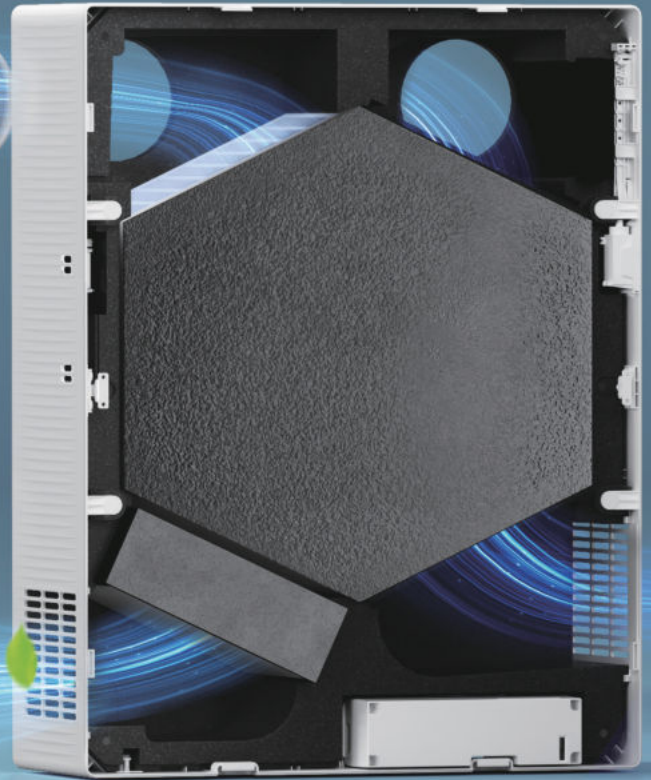


► DC FANS

Dual DC brushless fans, 3-speed adjustable, <30W power, <1W standby.

40% more energy-efficient than AC motors, flexible airflow, ultra-low standby consumption.

Constant fresh air at the cost of a light bulb — without noise or high electricity bills.



► HEAT EXCHANGER

Cross counter-flow polystyrene core.

Up to 90% heat recovery, moisture balance.

Based on laboratory test results:

In summer, when the outdoor temperature is 35°C and the indoor temperature is 27°C, the fresh air supplied indoors after passing through the core reaches around 28–30°C.

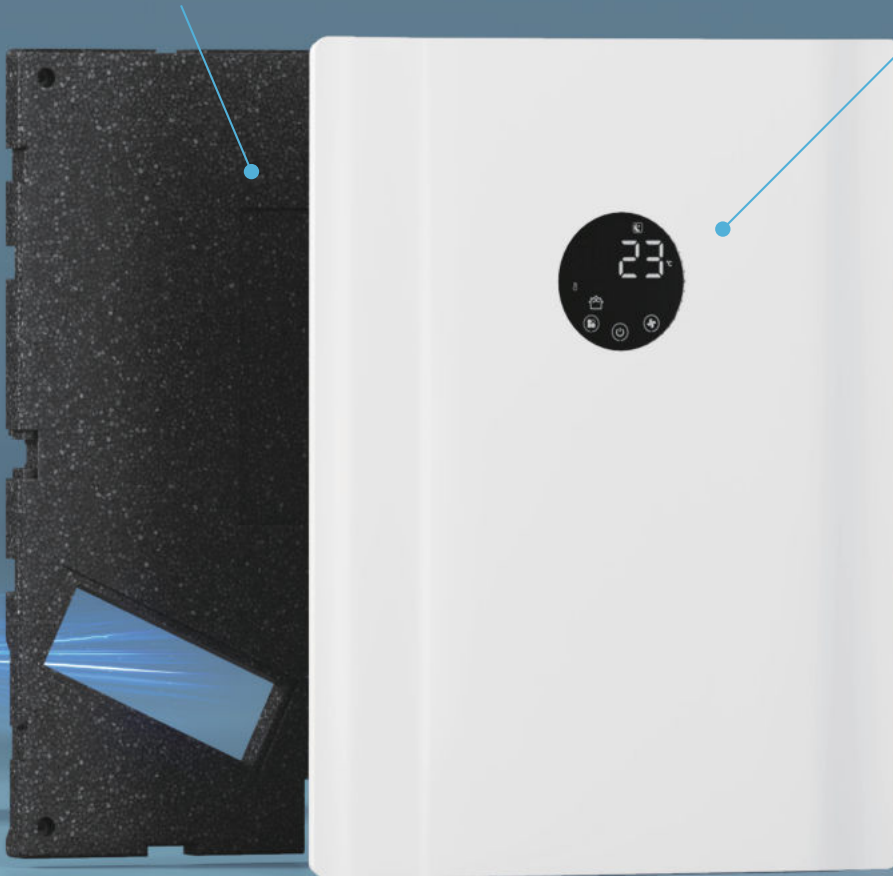
In winter, when the outdoor temperature is 2°C and the indoor temperature is 21°C, the supplied fresh air reaches around 16–19°C.

Warm in winter, cool in summer, less strain on your AC and heating system — saving energy while keeping comfort.

► EPP HOUSING

20mm EPP insulation, one-piece molding, closed-cell structure.

Excellent sound and heat insulation, lightweight, quick to install. Whisper-quiet comfort (down to 27.3 dB(A)), lower energy bills, and faster installation with fewer tools.



► ABS CASING

Durable ABS molded body, screw-free design, anti-mold coating, touch panel control.

Seamless look, safe to touch, easy to clean and maintain.

Blends naturally into your home, no screws, no worries about kids bumping into sharp edges, and hassle-free filter access.

► MULTIPLE AIR FILTRATION

Both a washable G3 filter and an F7 filter are fitted as standard. Upgrade options: HEPA H10-H13 or negative ion generator.

Easily swap filters depending on your needs — from daily dust and pollen defense to hospital-grade HEPA filtration.

Whether you want cleaner air for kids, relief for allergy sufferers, or extra protection against VOCs and PM2.5, Air Duo adapts to your lifestyle.

Flexible means freedom of choice: You don't need to buy a different machine for different needs. One unit, multiple protection levels.





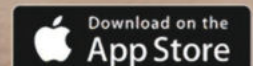
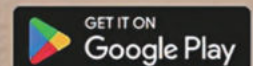
SMART, FLEXIBLE, EFFORTLESS CONTROL.

Four modes. Multiple controls. One touch to healthier air.

CONTROL OPTIONS – FLEXIBLE & CONVENIENT

- On-unit LCD touch panel – intuitive, stylish, always at your fingertips.
- Remote controller – comfort from your sofa.
- Smart App (Tuya, iOS & Android) – monitor air quality, set schedules, and control from anywhere.

You are always in control, whether at home or away. No complicated wiring, no steep learning curve — just simple, smart comfort. Blends naturally into your home, no screws, no worries about kids bumping into sharp edges, and hassle-free filter access.



Compatible with
Smart Vent App

LCD CONTROL PANEL- SMART & ELEGANT

- Sleek black crystal screen with minimalist interface.
- One-touch quick commands, real-time air quality updates.
- Live monitoring of temperature, humidity, CO₂/ PM2.5.
- Screen light can be switched off at night.

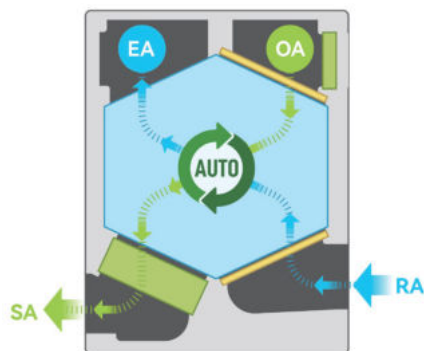
Data you can see, air quality you can trust — all in a panel that looks as good as it works.



OPERATING MODES – FOUR WAYS TO BREATHE FRESH

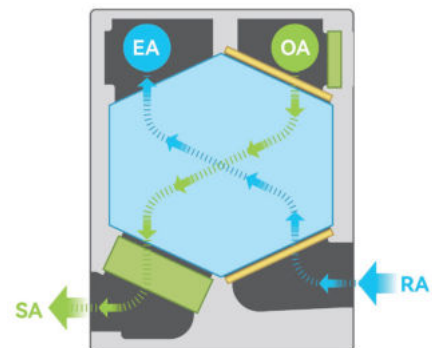
One button, four solutions

Flexible enough for every scenario in daily life.



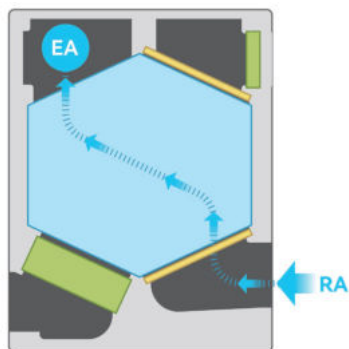
Auto Mode: Sensors detect humidity/CO₂/PM2.5, system adjusts airflow automatically.

Keeps your home balanced without lifting a finger.



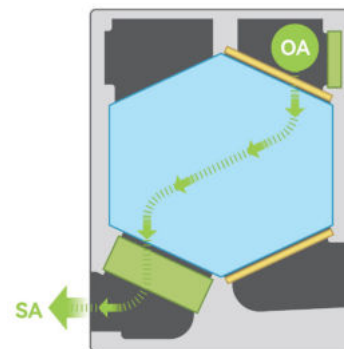
Heat Recovery Mode: Supply + exhaust with energy recovery.

Fresh air without losing warmth or coolness.



Exhaust Mode: Pushes out excess humidity or stale air.

Perfect for bathrooms, kitchens, or post-party cleanup.



Fresh Air Mode: Dedicated fresh air intake only.

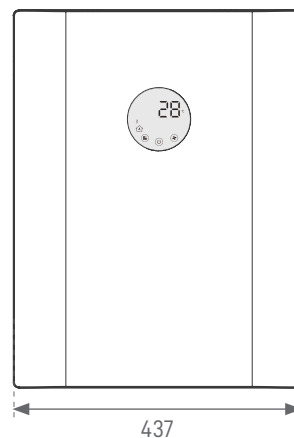
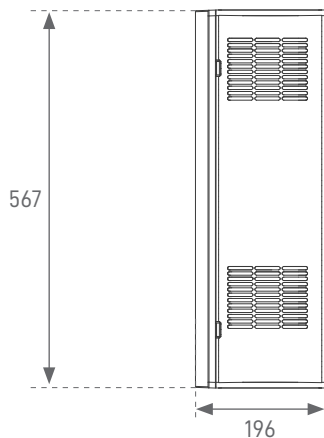
Ideal when you just need a quick refresh

SPECIFICATIONS

| Model No. | Air Duo |
|--|--|
| Rated Airflow (m ³ /h) | 60/80/100 |
| Airflow Under Sleep Mode (m ³ /h) | 40 |
| Temperature Efficiency (%) | 75-90 |
| Enthalpy Efficiency (heating) (%) | 67-75 |
| Enthalpy Efficiency (cooling) (%) | 60-73 |
| Sound Pressure Level dB(A) | 35 |
| Input Power (W) | 28 |
| Product Size (L*W*D) (mm) | 567*437*196 |
| Power Supply | 110-220V/50-60HZ/1ph |
| N. W. (kg) | 10 |
| Diameter of Duct (mm) | 120 |
| Working temperature (°C) | -20~40 |
| Filter | Coarse filter + F7 filter |
| Control | Touch Screen Panel / Remote Control / WIFI Control |

DIMENSIONS

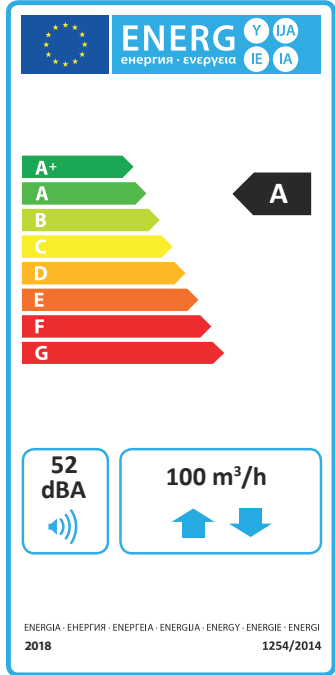
(Unit: mm)



ECODESIGN INFORMATION

According to Regulation EU No 1253/2014 of the European Commission, implementing Directive 2009/125/CE of European Parliament

| Model | Air Duo | | | | | |
|---|-----------------------|-------|---------|-------|--------|-------|
| | Cold | | Average | | Warm | |
| Specific energy consumption (SEC) [kWh/(m ² .a)] | -84.55 | A+ | -41.23 | A | -16.41 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Regenerative | | | | | |
| Thermal efficiency of heat recovery [%] | 75% | | | | | |
| Maximum air flow rate [m ³ /h] | 100 | | | | | |
| Power [W] | 28 | | | | | |
| Sound power level [dBA] | 52 | | | | | |
| Reference air flow rate [m ³ /s] | 0.0278 | | | | | |
| Reference pressure difference [Pa] | 0 | | | | | |
| Specific power input (SPI) [W/(m ³ /h)] | 0.28 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rate [%] | 2.88 | | | | | |
| Maximum external leakage rate [%] | - | | | | | |
| Mixing rate of bidirectional units [%] | 1 | | | | | |
| The classification of the airflow sensitivity to pressure variations, according to EN 13141-8 [%] | 27 | | | | | |
| The classification of the indoor/outdoor air tightness, according to EN 13141-8 [m ³ /h] | 2.5 | | | | | |
| Internet address | www.dinventilation.dk | | | | | |
| The annual electricity consumption (AEC) [kWh electricity/a] | Cold | | Average | | Warm | |
| | | 7.45 | | 2.08 | | 1.63 |
| The annual heating saved (AHS) [kWh primary energy/a] | Cold | | Average | | Warm | |
| | | 88.63 | | 45.30 | | 20.49 |



The image shows the ENERGI label for the product. It features a color scale from A+ (green) to G (red). The product is classified as 'A'. Below the scale, it indicates a sound power level of 52 dBA and a maximum air flow rate of 100 m³/h. The label also includes the ENERGI logo and the text 'ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI' and the year '2018' and '1254/2014'.

AIR FOR EVERY SPACE. COMFORT FOR EVERYONE

Wherever people live, work, or rest — Air Duo makes air better



FAMILY HOMES

Kids sleep better



OFFICES

Fresh focus, better productivity



RENTALS








Add value, attract tenants



PREMIUM HOMES

Stylish, flexible fit

ACCESSORIES

| Picture | Accessory Name | Product Code | Picture | Accessory Name | Product Code |
|---|----------------------------|---------------|---|---|--------------|
|  | Pre Filter | AS-PFND01 |  | H10 (MERV15) Filter | AS-H10D01 |
|  | F7 (MERV13) Filter | AS-F7FD01 |  | H13 (MERV17) Filter | AS-H13D01 |
|  | Remote Control | QB09-IR-PYJ05 |  | Extended Pipe (Ø110, length 625mm, adaptable to the 500mm wall thickness) | AS-EDPD01 |
|  | Stainless Steel Outer Hood | AS-SRGD01 |  | Negative Ions Air Purifier | AS-A5A |



DIN VENTILATION

kontakt@dinventilation.dk
Valhøjs alle 158, 2610 rødovre, Denmark
www.dinventilation.dk

Din Ventilation reserve the right to make any modifications to product specifications or any other details, without prior notification.