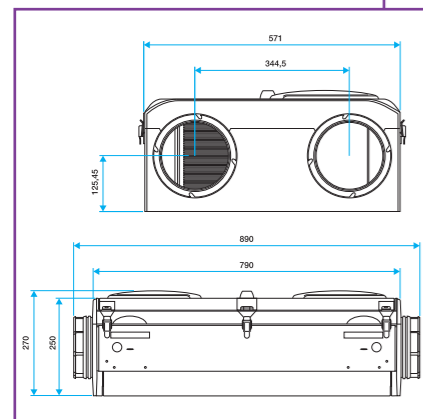
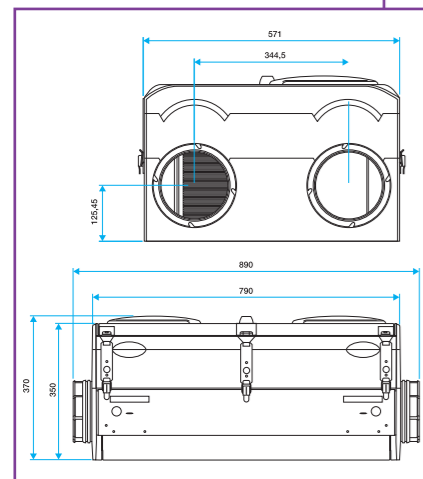


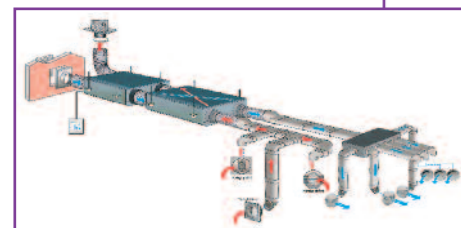
Dee Fly Ventilation



Without by-pass



With by-pass (option)



Technical characteristics

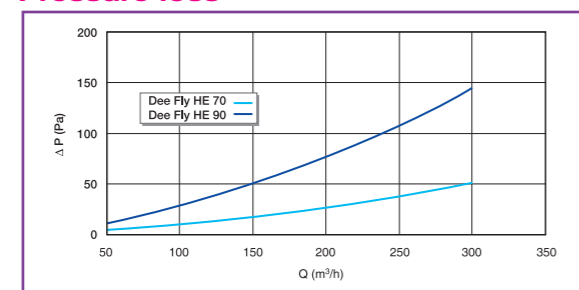
High-efficiency Heat Exchanger

Recovers the calories from the air being extracted to pre-heat the fresh air for free.

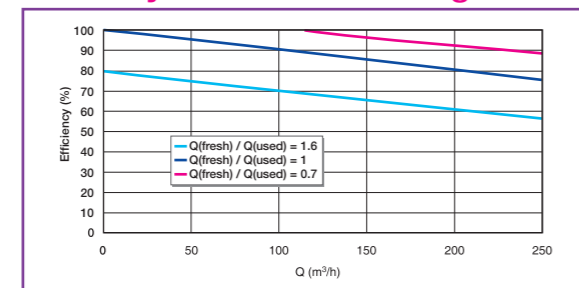
Construction

- Counter-flow heat exchanger (Model 90)
- Crossed flow heat exchanger (Model 70)
- Expanded polypropylene casing
- 4 x 160 mm diameter connectors
- 2 x EU4 filters
- Bypass version with casing

Pressure loss



Efficiency of the heat exchanger*



* Conditions: Outside air 5°C DB/ 0°C WB and Inside air 25° DB / 13°WB

Installation

The complete system is made up of a **motor unit**, a **heat exchanger casing**, an **air inlet**, **air outlet and ducts**. For heating efficiency reasons the unit should, if possible, be installed within the area being heated.

For the connections between grilles and the exchanger, rigid ductwork is preferable. Outside of the heated areas, insulated ducts must be used.

The modularity of the system and the use of rigid ducts facilitate the system's integration.

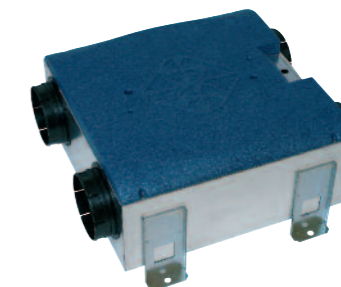
See the manuals supplied with the products for more information.

Range

| Range | Code |
|--|----------|
| Dee Fly micro-watt 90 | 11023074 |
| Dee Fly micro-watt 90 with bypass | 11023076 |
| Dee Fly 70 | 11023073 |
| Dee Fly 70 with bypass | 11023075 |
| 5 x grille air supply accessories kit | 11023077 |
| 1 supplementary air supply grill accessories kit | 11023079 |
| Kitchen & 2 x Bathroom extractor kits | 11023078 |

Dee Fly Ventilation

Heat Recovery Ventilation CMEV for individual housing



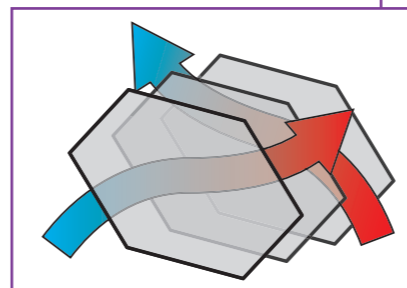
Ask for bio-thermal comfort

- Low energy consumption motor (micro-watt)
- Heat recovery
- High speed ventilation thanks to its **BOOST** function
- Heat exchanger bypass for improved comfort levels during the summer
- Moveable supply grilles
- Easy to install

The Dee Fly is a new Heat Recovery system designed for use in individual housing.

- Hot air removed from bathrooms and kitchens passes through a heat exchanger before being discharged outside via a ductwork linked to a fan unit.

- The cold air dragged in from outside is pulled into the house via a ductwork, filtered and warmed by the heat exchanger, recovering approximately 90% of the heat from the used air being discharged, before being distributed throughout the house.



Heat recovery and energy savings

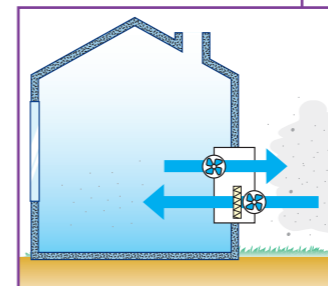
The Dee Fly Heat Recovery unit limits the heat lost through the replacement of air in the house.

Thanks to its counter-flow heat exchanger system it provides the optimum level of energy transfer from the 'used' air being discharged.

→ Up to 90% of the available calories from the air being extracted are used

→ Up to 20% saving in heating costs*

*Compared with a self-balancing CMEV unit – using French regulatory calculations



Comfort

Dee Fly diffuses filtered, warmed air and attenuates external noises.

- Less air-current related comfort problems
- Better air quality and less staining on the walls
- Better acoustic insulation from the outside world

Alde reserves the right to bring to its products any modifications bound to the technical evolution - VC 100526 - RCS Lyon 956 506 828 - Hautefeuille



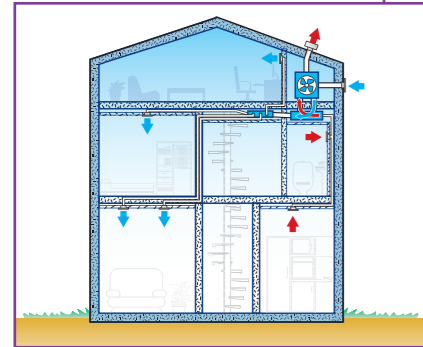
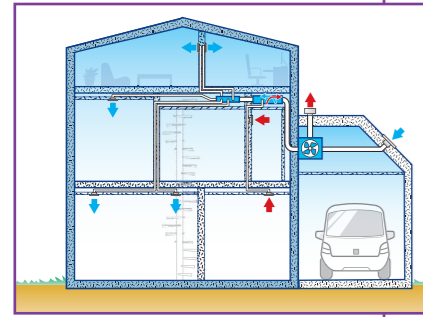
www.aldes.fr

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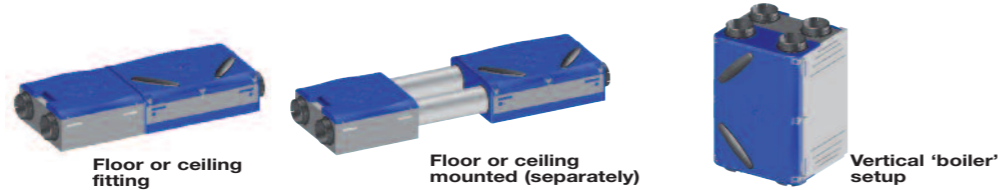
aldes air&people

Dee Fly Ventilation



Modular

- Comprises two sections: a **motor unit** and a **heat exchanger** casing
 - Possible configurations: floor-mounting, ceiling mounting, wall-mounting, ready assembled or not.
- With this in mind, the casing of the heat exchanger unit is designed to allow condensates to escape regardless of which way up it is.



- Allows the heat exchanger to be installed within the heated area of the house
- Easy to install

A high performance system

Dee Fly has the benefits of the latest motor and heat recovery technologies.

- A **heat exchanger** sized to recover up to 90% of the available calories from the air extracted, whilst limiting pressure losses.
 - A **microwatt motor** which, by adjusting its speed, limits energy consumption and generates less noise.
- A particularly silent HRV unit, consuming little electricity and thus making the maximum possible energy savings.

Innovative eco-design

The Dee Fly casing is designed using **Expanded Polypropylene (EPP)**, providing numerous advantages, one of which is to reduce its weight and thus the mass of waste products. The power of the motor has also been optimised to reduce energy use.

- An additional contribution to protecting our environment.

Simple in use

- Simple, user-friendly controls
 - Installed in the kitchen using a standard electrical mounting box
 - Selectable speeds for better air quality
 - Automatic bypass to avoid having to pre-heat the air in summer
 - Cooling is possible using buried ductwork
- Temperation Geothermal system
- Simple to maintain
 - Automatic filter clogged detector
 - System fault indicator
 - Motor casing holes for compressed air fan cleaning (ALDES Patent)

Customised comfort

The Dee Fly system has a 'high speed' mode. This BOOST function is used to provide additional ventilation throughout the house. Thanks to its **moveable grille** the owner can choose the direction of the air flow and thus make the most of the comfort provided by the air flow.

- A function exclusive to ALDES to provide additional comfort during the summer.
- Ideal for use with Temperation Geothermal applications.



Controls



Moveable grille

Technical characteristics

Microwatt motors



Automatic airflow adjustment by changes to the motor speed. Airflow rate selection dependant on the number of bathrooms linked to the installation.

Construction:

- Electronically switched motors
- 3 speeds available
- Integrated thermal protection
- Casing in sheet metal, trim in expanded polypropylene
- 4 x 160 mm diameter connectors
- Quick, leak-tight connection system

Mean energy consumption

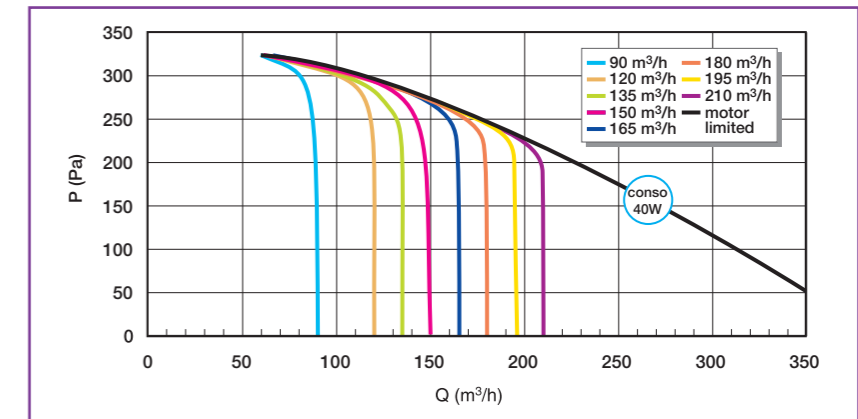
| | | | | | | | | |
|---------------------------------------|----|------|-----|------|------|-----|-----|-----|
| Extracted airflow (m ³ /h) | 90 | 120 | 135 | 150 | 165 | 180 | 195 | 210 |
| P absorbed (W.Th.c) | 38 | 42.7 | 50 | 59.7 | 70.4 | 90 | 100 | 105 |

Mean consumption calculated with 1 hour high speed in a day

Supply: 230 V ~ 50 Hz

Current protection: 4 A

Aeraulic characteristics:



Standard motors (Dee Fly 70 only)

Aeraulic characteristics:

