

NEW

DXA

Heat recovery unit for cupboard installation
DX System

DCV Constant pressure fitted to demand controlled exhaust units.



Very low energy consumption by combining demand control of airflows and heat recovery.



Easy installation in cupboard spaces thanks to optimal dimensions.



Easy maintenance of the filters through designed trapdoors.



Body made of EPP, an environmental friendly material.

Heat recovery with demand control for cupboard installation

The DXA has been specifically designed for cupboards installation. Thanks to its well-fitted dimensions, the DXA can be installed both in kitchen and in other technical rooms, wall-mounted. A creamy white metal sheet covers the front face of the the DXA which allows it to be unnoticed as a technical equipment. The DXA unit is compatible with two demand control strategies used in the DX System Excellence to Reference. See documentation on "DX System" for more details.

Indoor Air Quality at its best (1)

The DXA enhances indoor comfort by providing healthy air, at a milder temperature, preheated by the integrated heat exchanger. To feel good at home, the DynamiX® Technology, available on "Excellence" version, adapts, at any time, both supply and exhaust airflows to the occupants needs in every room through accurate sensors (CO₂ or presence). The DynamiX® Technology is a smart demand control strategy specific to the DX System which follows two main purposes: to reduce inherent noise from the heat recovery system while guaranteeing the best Indoor Air Quality.

Sustainability (2)

The main material used to produce the DXA, the EPP (Expanded Polypropylene), is a "green" material, environmentally friendly, 100% recyclable. It does not include any VOC (volatile organic compound), CFC (chlorofluorocarbon) or other compounds known to be particularly harmful to the environment.

Easy to maintain (3)

Three filters can be easily replaced without dismantling the unit, by simply removing the trapdoors. Filter durability is doubled compared to traditional heat recovery systems, notably thanks to a very large surface of filtration and demand controlled airflows. A touch screen interface enables to set the system and to warn for maintenance.





DXA

Heat recovery unit with demand control for cupboard installation

| | DXA | |
|---|---|--|
| | DXA1240 (Excellence / Premium) DXA1712 (Evolution) DXA1705 (Reference) | DXA1247 (Excellence / Premium) DXA1711 (Evolution) DXA1706 (Reference) |
| Standard code | | |
| Ecodesign | | |
| Label (EU Ecodesign Directive) | A+ (for Excellence, Premium, Evolution) - A (for Reference) | |
| Airflow characteristics | | |
| Max. airflow | m ³ /h | 230 |
| Other nominal airflows | m ³ /h | 80 / 140 / 200 / 230 |
| Airflow compensation (filter clogging) | | automatic |
| Airflow balance (supply and exhaust) | | automatic |
| Acoustics | | |
| Sound power level Lw @ 161 m ³ /h, 50 Pa | dB(A) | 52 |
| Certifications | | CE |
| Electrics | | |
| Power supply | | 230 VAC, 50 Hz |
| Motor type | | EC (x2) |
| Power consumption @ 161 m ³ /h @50 Pa | W | 36,5 |
| Power consumption @ 230 m ³ /h @50 Pa | W | 92,0 |
| Sensors connections | | RJ12 |
| Demand control | | |
| Compatible versions of DX System | Excellence / Premium / Evolution / Reference | |
| Min - Max Number of sensors for modulation at supply | (1 – 5) for Excellence - At least 1 for Premium - No for others | |
| Min - Max Number of sensors for modulation at exhaust | (1 - 5) for Excellence / Premium | |
| Sensors type at supply | presence / CO ₂ (Excellence / Premium) | |
| Exhaust units type | humidity / presence / switch / CO ₂ / VOC (Excellence / Premium / Evolution) | |
| Characteristics | | |
| Exchanger | polystyrene / counter flow type / 93% efficiency | |
| Filters | on supply air: 2 x F7 / on exhaust air: 1 x G4 | |
| Weight | kg | 23 |
| Colour | black / Grey EPP - white painted Galvanized steel housing (option) | |
| Material (main) | expanded polypropylene (EPP) covered by a white galvanized metal sheet (optional) | |
| Dimensions | mm | with duct connectors: 1428 x 552 x 545 / without duct connectors: 1188 x 552 x 545 |
| Installation | | |
| Max. number of main rooms | 6 | |
| Max. number of technical rooms | 5 | |
| Connections | 2 x (2 x ø160 mm) | |
| Installation | 2 wall fixed rails | |
| Other functions (in option) | | |
| Interface | 2.8" Colour Touch Screen interface (Excellence / Premium) - Control module / WiFi (Evolution / Reference) | |
| Bypass | controlled by outdoor temperature / also used for free cooling | |
| Preheating (optional) | with resistance in fresh air ductwork from outside | |
| Condensation management | condensate pump | exhaust through siphon |
| Temperature of use | | |
| Installation room | frost free: +5°C < T° < +50°C | |
| Incoming outdoor fresh air or Extract | -5°C < T° < +50°C without preheating / -26°C < T° < +50°C with preheating | |

FLY653GB_v4 - Copyright Aereco - All data and pictures in this document are non contractual and are subject to change without prior notice.