

NEW

DXR

Heat recovery unit for ceiling installation
DX System

DCV Constant pressure fitted to demand controlled exhaust units.

DynamiX® Technology*: ensures a silent system and optimal indoor air quality.

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

+ Easy installation in ceiling spaces thanks to its small thickness (only 26 cm).

+ Easy maintenance of the filters through compact bottom trapdoors.

High-quality manufacture with main parts, made of metal.

*specific to Excellence version



Flat heat recovery with demand control for ceiling installation

Designed for ceiling installation within the heated space, the DXR provides a truly elegant solution for multi-apartments buildings, where available space for systems is often limited, particularly in renovation projects. Its very low thickness (26 cm) and its reduced width (65 cm) allow easy installation in ceiling spaces (for example in a corridor false ceiling). The DXR unit is compatible with two demand control strategies used in the DX System from Excellence to Reference. See documentation on "DX System" for more details.

Indoor Air Quality at its best (1)

The DXR 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.

Low maintenance (2)

By reducing the average airflows with an equivalent indoor air quality and thanks to a large surface of filtration, filter durability is doubled compared to traditional heat recovery systems.

Low energy consumption (3)

In addition to significant energy savings on heat losses thanks to the DynamiX® Technology, the DXR limits primary energy consumption by reducing fan power. Combining a smart and accurate demand control strategy and high quality fans, the DXR offers a very good energy performance, up to 50% reduction of electrical consumption in comparison with standard heat recovery units.





DXR

Heat recovery unit with demand control for false ceiling installation

Standard code

Ecodesign

Label (EU Ecodesign Directive)

Airflow characteristics

Max. airflow m³/h

Other nominal airflows m³/h

Airflow compensation (filter clogging)

Airflow balance (supply and exhaust)

Acoustics

Sound power level L_w @ 161 m³/h, 50 Pa dB(A)

Certifications dB

Electrics

Power supply

Motor type

Power consumption @ 161 m³/h @50 Pa W

Power consumption @ 230 m³/h @145 Pa W

Sensors connections

Demand control

Compatible versions of DX System

Min - Max Number of sensors for modulation at supply

Min - Max Number of sensors for modulation at exhaust

Sensors type at supply

Exhaust units type

Characteristics

Exchanger

Filters

Weight kg

Colour

Material (main)

Dimensions mm

Installation

Max. number of main rooms

Max. number of technical rooms

Connections

Installation

Other functions

Interface

Bypass

Preheating (optional)

Condensation management

Temperature of use

Installation room

Incoming outdoor fresh air or Extract

DXR

DXR1225 (Excellence / Premium)

DXR1714 (Evolution)

DXR1708 (Reference)

A+ (for Excellence, Premium, Evolution) - A (for Reference)

230

80 / 140 / 200 / 230

automatic

automatic

40

CE, EAC

230 VAC, 50 Hz

EC (x2)

34,2

91,0

RJ12 / RJ45

Excellence / Premium / Evolution / Reference

(1 - 5) for Excellence / Premium

(1 - 5) for Excellence / Premium

presence / CO₂

humidity / presence / switch / CO₂ / VOC

aluminium / counter flow type / 82% efficiency

on supply air: 1 x F7 / on exhaust air: 1 x G4

46

white for Excellence / Premium - galvanized steel for Evolution / Reference

galvanised steel with phonic and thermal insulation

with duct connectors: 260 x 650 x 1200 / without duct connectors: 260 x 650 x 1160

6

5

2 x (2 x ø160 mm)

horizontal only, to the false ceiling / 4 points of attachment

2.8" Colour Touch Screen interface (Excellence / Premium) - Control module / WiFi (Evolution / Reference)

controlled by outdoor temperature / also used for free cooling

with resistance in fresh air ductwork from outside

exhaust through lateral tube / optional condensate pump

frost free: +5°C < T° < +50°C

-5°C < T° < +50°C without preheating / -26°C < T° < +50°C with preheating

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