

CMV

DOUBLE-FLOW



IDEAL FOR RENOVATION
OR REPLACEMENT



ECOTWIN

ESPECIALLY FOR RENOVATION or REPLACEMENT OF EXISTING PRODUCT

Ultra-compact with built-in supply plenum, compatible with "independent plenum" installation, passing through a 600 mm access hatch in the attic

ENERGY SAVING

Heat exchange via aluminium cross-flow exchanger (up to 65% output)

BEST COMFORT for noise and heat

VERY GOOD AIR QUALITY

Control extract and supply airflows

AESTHETICS

Concealed centralized units which allows for discreet supply & return valves

INDIVIDUAL HOMES

self-adjusting double-flow CMV

ÉCOTWIN



DOMESTIC APPLICATION



COMFORT



RECUPERATION



ENERGY EFFICIENT



For air quality in your home, ECOTWIN recovers heat from the air extracted and brings in fresh filtered and temperate air. It is suitable for any style of home, from 2 to 7 bedrooms / public rooms with 1 kitchen and up to 6 bathrooms. It is installed mainly in attics. Thanks to its aluminium heat exchanger plates and built-in supply air plenum, this product provides good performance and is very simple to install.

DESCRIPTION

- 1 kitchen extraction spigots Ø 125 mm with seal
- 2 bathroom extraction spigots Ø 80 regulated 30 m³/h with duct clips
- Pre-fitted for 3rd to 6th bathrooms with 4 interchangeable Ø 80 mm spigots with optional 15 m³/h spigots pipes
- 1 fresh air intake spigot Ø 160 mm
- 1 return air discharge spigot Ø 160 mm
- 6 interchangeable Ø 80 mm supply spigots with optional Ø 80 mm blanking plugs not provided
- 1 branch pipe Ø 125 mm not fitted for solution with remote blowing plenum
- Condensate draining through clear tube Ø 6/12 (to be connected to rigid sloping drain and siphon)
- 2 G4 filters made of synthetic fibres
- Removable cover for easy access to filters and exchanger
- Support feet built into the unit

RANGE

- Single unit ECOTWIN (supplied with 2-speed switch)
- Double-flow CMV kit ECOTWIN for 5 bedrooms / public rooms, 1 kitchen, 2 bathrooms, 6 blowers

INSTALLATION

The central unit ECOTWIN is installed horizontally inside only and typically in the attic only and mainly in the attic or in a plant room.
Access to the filters and the heat exchanger through the top cover (minimum space of 300 mm to be allowed above)

CONSTRUCTION

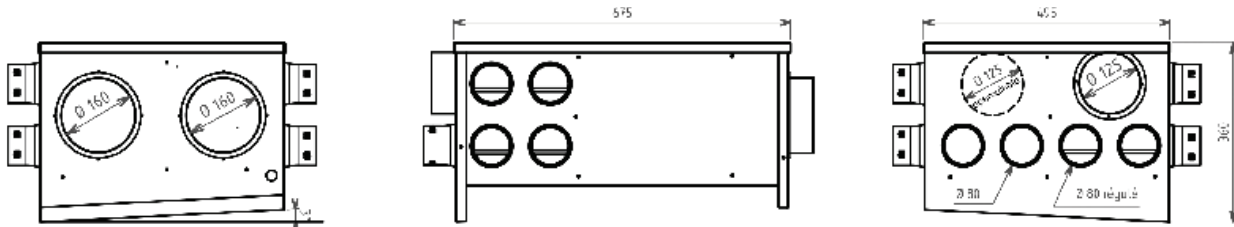
- Case from galvanized steel
- Thermo-acoustic insulation foam - 10mm
- Inclined supporting feet
- Drain pan with draining through clear Ø 6/12 mm tube (50 cm long)
- 2 fan motors with bearings and external rotor, 2 speeds per capacitor
- Safety temperature switch
- High-efficiency reaction turbine that greatly limits fan clogging
- Heat exchanger with aluminium plates mounted on slides, output (65% max)
- 2 G4 filters made of synthetic fibres

INDIVIDUAL HOMES

self-adjusting double-flow CMV

ÉCOTWIN

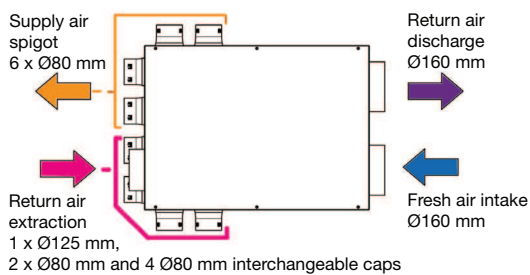
DIMENSIONS



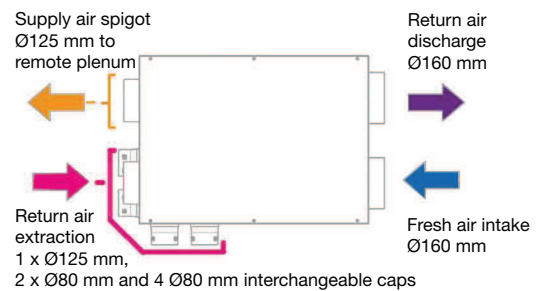
Weight: 23 kg

1 product, 2 possible installations

"Built in supply air plenum"



"Independent supply air plenum"



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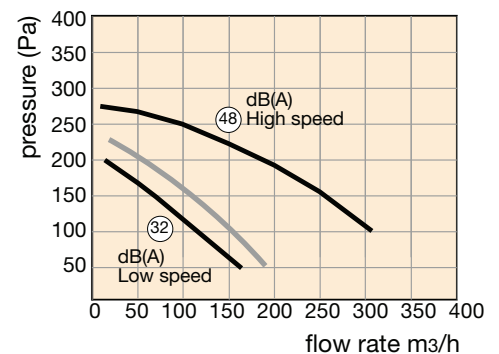
THERMAL FEATURES

50 to 65% efficiency on plate heat exchanger

ELECTRICAL FEATURES

Power supply	230 V - 1Ph - 50 Hz	
Operation	Low speed	High speed
Capacitors	2 uF	4 uF
Input power	2 x 29 W	2 x 73 W
Current consumption	2 x 0.25 A	2 x 0.31 A
Insulation	Class B	

VENTILATION FEATURES



○ Sound pressure level in free air at 4 m, Lp in dB (A) suction connected

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▶ ACCESSORIES



Preheating 900 W with safety thermostat and adjustable control thermostat (-30°C to 30°C)

(connection Ø 150) gives the following:
- upstream from the ECOTWIN, it preheats the outside air (heat exchanger freeze protection)
- downstream from the ECOTWIN, it increases the temperature of the air intake.



Air intake and discharge on the front Ø 160 GA 160 allows waste air discharge or fresh air intake on the front. Raw aluminium weather protection grille.



Ø 80 regulated nozzle 15 m³/h is used to calibrate the flow for the 3rd, 4th, 5th and 6th bathrooms.



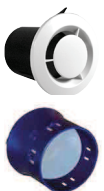
Plastic air intake and discharge roof cap on the roof CARA allows the discharge of waste air or the intake of fresh air on the roof. Particularly suitable for tiled roofs. Sealing by lead sheet. Available in two colours: tile or slate



Ø 80 cap closes a Ø 80 outgoing feed. It is fitted by 1/4 turn and is interchangeable with a Ø 80 nozzle.



Insulated PVC supply air duct 6M long designed to meet typical installations, composed of:
- 2 x 6 m Ø 160
- 2 x 6 m in Ø 125 and 1 male connector Ø 125
- 10 x 6 m in Ø 80 and 4 male fittings Ø 80



Bathroom exhaust vent Ø 80 ESA 80 A with Ø 80 nozzle regulated 15 m³/h allows connection of the 3rd, 4th, 5th and 6th bathrooms to the ECOTWIN



Set of 10 universal Ø 60-200 clamps for fixing and sealing the different duct connections.



Supply air vent with fixed vanes TP80 with plasterboard sleeve ø 80.



Additional insulated PVC duct Ø 80 6 m in length, it enables extra Ø 80 vents to be connected.



Replacement filter allows old filters to be replaced to maintain the performance of the heat exchanger and the quality of fresh air introduced.

SOLUTION WITH INDEPENDENT SUPPLY AIR PLENUM



Independent supply air plenum fitted with 6 x Ø 80 branch pipes and 2 interchangeable Ø 80 caps.
1 connecting branch pipe Ø 125 mm LxWxH: 490 x 300 x 155 mm



Ø 125 Branch pipe enables the supply duct to be connected to the plenum.

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▶ NATHER KIT SOLUTION

ECOTWIN double-flow CMV kit, 5 bedrooms / public rooms, 1 kitchen -

2 bathrooms, 6 supply air spigots

- 1 unit ECOTWIN

- 1 x 2-speed switch

- 1 x Ø 125 mm kitchen extraction vent with plasterboard sleeve (ref.530004)

- 2 x Ø 80 mm bathroom extraction vents with plasterboard sleeve (ref.530003)

- 6 x Ø 80 mm supply vents with plasterboard sleeve (ref.530051)



▶ PRINCIPLE FOR INSTALLING AN ECOTWIN DOUBLE-FLOW CMV DESCRIPTION

