

**OUT WITH THE MOULD****IN WITH THE MONEY****85%** Up to**heat recovery**

# Fresh Air Heat Recovery Unit –

Intelligent ventilation perfect for insulated homes

## MEnV 180 / MEnV 180 plus 60

### The ideal complement to help you save energy around the house

Regular ventilation keeps you and your building healthy. It is particularly important that you consider this aspect in heat-insulated houses with well-sealed windows and doors. However: heat and expensive thermal energy are lost when the windows are open. The solution: the Marley Fresh Air Heat Recovery Unit for energy-efficient ventilation. In this system, the waste air from the room warms the incoming fresh air as it flows out.

- **Perfect climate:**  
in living rooms, bedrooms etc.
- **Keeps you and your building healthy:**  
no damp, no mould
- **Keeps heat inside the building:**  
up to 85 % heat recovery

**Do it with Marley.**

## The Marley Fresh Air Heat Recovery Unit keeps heat in the house

### Stand Alone Operation

Warm, stale air is transported from the room to the outside for 70 seconds, heating the ceramic element in the process. Then the unit changes the direction of flow: now, fresh air from outside flows into the room, heated in the process by the warmth stored in the ceramic element.

### Dialogue Operation

While one unit provides fresh air, at the same time the second unit transports warm, stale air to the outside. During this process, the heat energy contained in the waste air is stored in the ceramic element. After 70 seconds, the ventilators change their direction of flow. Both units communicate with each other via radio contact.



Stand Alone Operation



Dialogue Operation

### Marley Benefits:

- The honeycomb structure of the internal ceramic element has a particularly large surface area (see diagram), as a result, large amounts of heat can be absorbed or released from the flow of air within a short time.
- Condensation is produced in the device during extraction of the waste air. Unlike in standard heat recovery units, it is not necessary to extract this condensation; instead, the moisture is absorbed by the incoming fresh air as it heats up after the system's flow direction has changed. This prevents excessive dryness of the interior atmosphere and guarantees a good room climate, especially in winter.

Technical data:	MEnV 180	MEnV 180 plus 60
<b>Ventilator with 3 or 4 performance levels:</b>	<ul style="list-style-type: none"> <li>Ⓛ 16 m³/h</li> <li>Ⓜ 25 m³/h</li> <li>Ⓢ 37 m³/h</li> </ul>	<ul style="list-style-type: none"> <li>Ⓛ 16 m³/h</li> <li>Ⓜ 25 m³/h</li> <li>Ⓢ 37 m³/h</li> <li>Ⓣ 60 m³/h</li> </ul>
<b>Power input:</b>	<ul style="list-style-type: none"> <li>Ⓛ 3 Watt</li> <li>Ⓜ 4,5 Watt</li> <li>Ⓢ 7 Watt</li> </ul>	<ul style="list-style-type: none"> <li>Ⓛ 3 Watt</li> <li>Ⓜ 4,5 Watt</li> <li>Ⓢ 7 Watt</li> <li>Ⓣ 11 Watt</li> </ul>
<b>Sound pressure (3 m):</b>	<ul style="list-style-type: none"> <li>Ⓛ 22 dB (A)</li> <li>Ⓜ 29 dB (A)</li> <li>Ⓢ 35 dB (A)</li> </ul>	<ul style="list-style-type: none"> <li>Ⓛ 16 dB (A)</li> <li>Ⓜ 25 dB (A)</li> <li>Ⓢ 30 dB (A)</li> <li>Ⓣ 37 dB (A)</li> </ul>
<b>Heat recovery rate:</b>	max. 85 %, Ø 79,1 %	max. 85 %, Ø 75 %
<b>Sound insulation from outside:</b>	39 dB (equivalent to window sound insulation class 3 according to VDI 2719)	
<b>Radio power / frequency:</b>	ERP -9.51 - -9.55 dBm / 433.05 - 434.79 MHz	
<b>Outer wall thicknesses:</b>	280 - 500 mm	
<b>Size of cover:</b>	240 x 240 mm	
<b>Diameter of drill hole:</b>	180 mm	
<b>Battery:</b>	CR 2025	

#### Outer material

- Outside hood with protective guard in a modern, timeless design, UV-resistant, protects the house wall against unsightly water blemishes

#### In the wall

- Maintenance-free ventilator with 3 or 4 performance levels
- Wall duct can be shortened

- Insulating pipe
- G3 filter

#### Inside material

- Decorative front cover
- Main switch
- Simple operation with remote control for one unit or unit pair



#### Ceramic element (Fresh Air Heat Recovery Unit)

- The honeycomb structure of the ceramic element has a particularly large surface area; as a result, large amounts of heat can be absorbed or released from the flow of air within a short time

**MEnV 180**  
Art.-No. 320670

**MEnV 180 plus 60**  
Art.-No. 321370



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**B**  
Energy efficiency category



More Information  
about the Fresh Air  
Heat Recovery Unit