



Flow MANHATTAN[®]



*A revolutionary decentralised HRV installed
"under the skin" in the exterior cladding*

FlowMANHATTAN reinvents decentralised ventilation for individual rooms offering a solution to designers and builders **in which the HRV unit is camouflaged in the external cladding layer.**

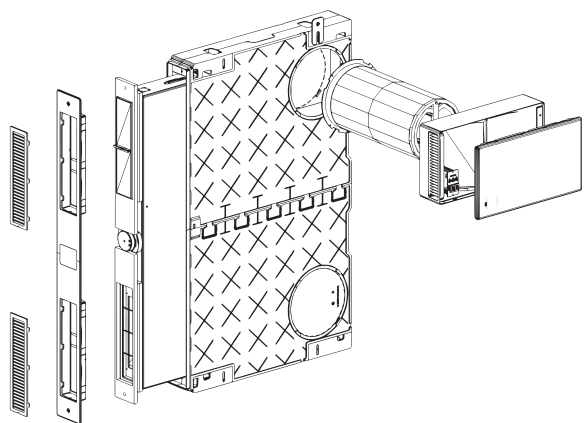
The airflow grills, which are arranged on the side of the window, respect the architectural profile of the building **and avoid any impact on the facade. The internal impact is also minimal** with a particularly compact diffuser design. The intake and extraction airflows, separated by a special septum, pass through a **single 160-mm coring hole.** The formwork, which is fixed to the external masonry

when the exterior cladding is installed, makes it possible to prepare for **HRV system** installation and complete it at a later stage with the ventilation unit if required. The dual-flow HRV unit extracts stale air from the indoor environment and introduces **new, oxygenated and clean air through special ePM2.5 65% filters** as standard. Ventilation speeds are variable as required with **maximum airflow rate of 70 m³/h.** The enthalpy heat exchanger allows **recovery of up to 70% of the heat in the extracted air by pre-heating the fresh airflow.**



Standard, Plus, Elite versions and control from the app

The most equipped versions integrate a **hygrometric sensor, CO₂ and VOC** sensors on board the HRV unit to monitor indoor air quality parameters, as well as a removable control panel and the possibility of **remote control** via the Helly Home app.



Sensors for automatic humidity, CO₂ and VOC management



Remote panel for controlling the unit and setting functions.



It is easy to control it from anywhere in the room using the included infrared remote control.



70%

Heat recovery efficiency



16.5 dB(A)

Sound pressure



70 m³/h

Maximum airflow



ISO ePM2.5 65%

Intake air filtration



-35.4 kWh/m²a

SEC energy consumption (temperate climate)

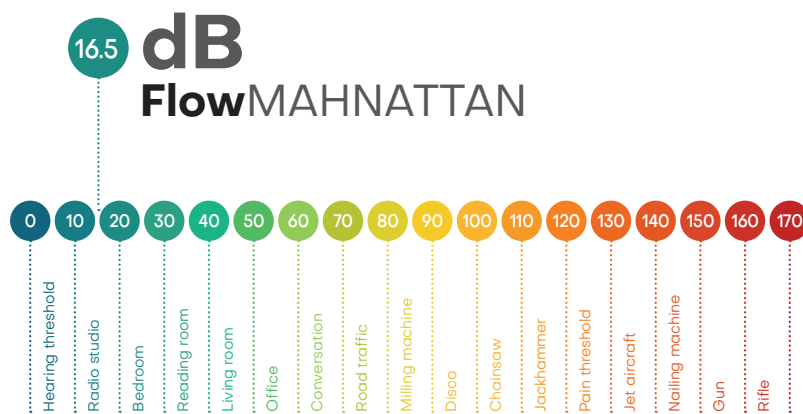
Classe Energetica

A

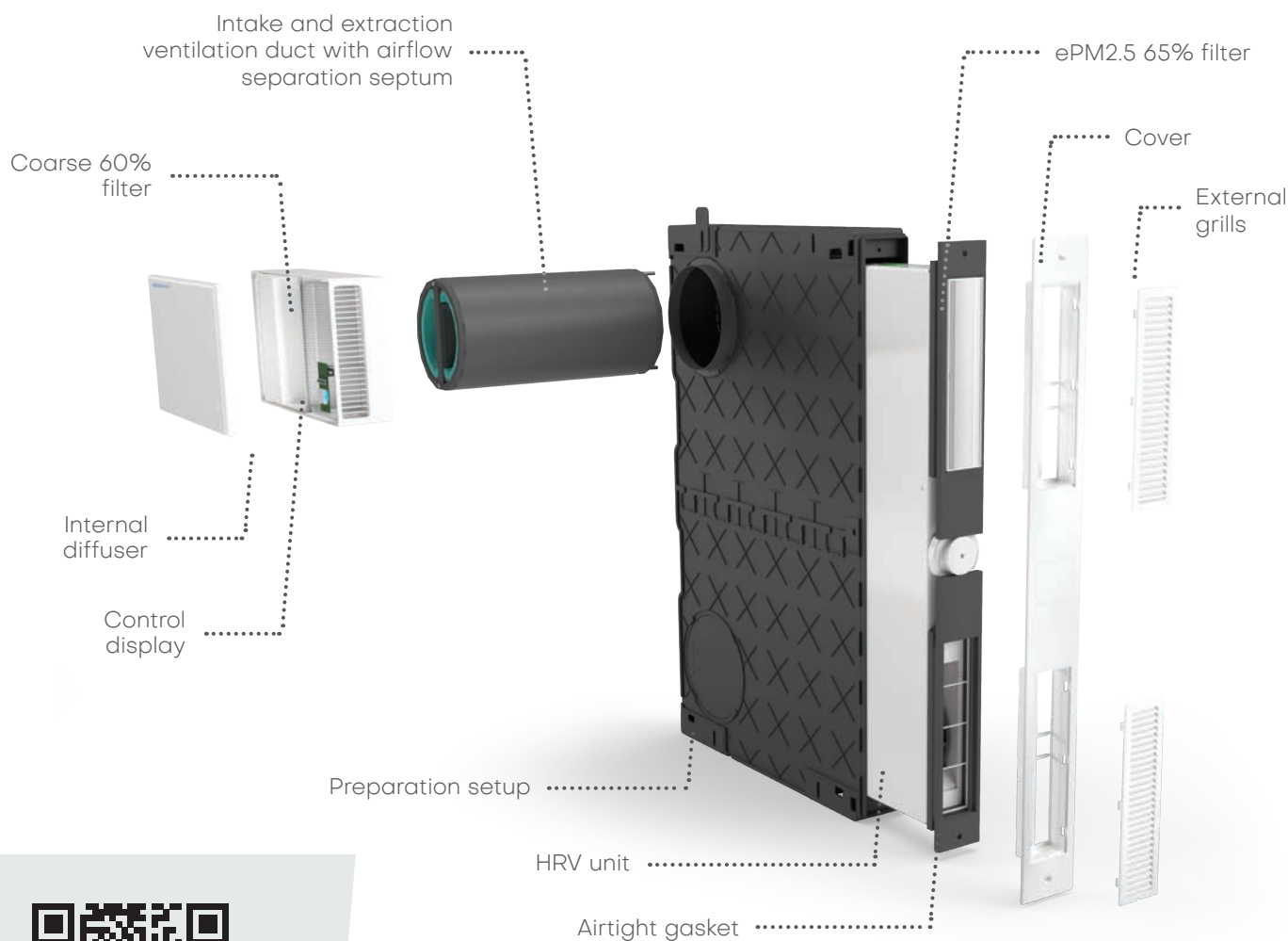
Installation totally from the outside while installing the exterior cladding.

.....

A completely external solution, which has minimal impact on the design of the house and guarantees the highest levels of acoustic comfort



By placing the HRV unit in the outer edge of the masonry, inside the insulating cladding, Helly Flow MANHATTAN ensures a **sound performance that provides optimal acoustic comfort**, with a sound pressure of 16.5 dB at minimum speed.



Frame the QR Code and watch the video on FlowMANHATTAN

Technical data

Functions and features	UOM	FlowMAHNATTAN					
Version		LH STD	RH STD	LH Pure	RH Pure	LH Elite	RH Elite
Night function		●	●	●	●	●	●
Hyperventilation		●	●	●	●	●	●
Filter replacement alert		●	●	●	●	●	●
Humidity sensor		–	–	●	●	●	●
CO ₂ and VOC sensor		–	–	–	–	●	●
IR remote control		●	●	●	●	●	●
Control panel Removable STD		optional	optional	optional	optional	optional	optional
Control panel Removable cloud		optional	optional	optional	optional	optional	optional
On/Off LED panel		●	●	●	●	●	●
Helly Home app ⁽¹⁾		optional	optional	optional	optional	optional	optional
Control Panel		on-board					
Airflow rate	m ³ /h	20/25/30/40/50/70 ⁽²⁾					
Flow adjustment		night + 4 stages + hyperventilation					
Power consumption	W	5/6/7/9.5/13/34 ⁽²⁾					
Supply voltage	V AC	230					
Max. current consumption ⁽³⁾	A	035					
Weight	kg	7					
HRV unit dimensions (W x H x D)	mm	460 x 740 x 65					
Preparation setup dimensions (W x H x D)	mm	512 x 826 x 88					
Internal diffuser dimensions (W x H x D)	mm	325 x 185 x 85					
Heat exchanger		enthalpy with cross-flow countercurrent					
Heat recovery efficiency	%	70					
Bypass (free cooling/free heating)		manual electronic					
Sound power level ⁽⁴⁾	dB(A)	28/31/36/43/48/56 ⁽²⁾					
Sound pressure ⁽⁵⁾	dB(A)	16.5/19.5/24.5/31.5/36.5/44.5 ⁽²⁾					
Dn,e,W (facade noise abatement)	dB	51					
Intake filter		ISO ePM2.5 65%					
Extraction filter		ISO Coarse 60%					
Modbus RTU rs485		Yes ⁽⁶⁾					
Reference climate		cold / temperate / warm					
Energy efficiency class (cold / temperate / hot)		A+ / A / E					
SEC (cold / temperate / warm)	kWh/m ² a	-67.7 / -35.4 / -14.3					
Internal leakage ⁽⁷⁾	%	1					
External leakage ⁽⁷⁾	%	1					
Kit		installation manual, HRV filter, airtight gaskets, IR remote control with batteries					
Code		1VMC05004	1VMC05000	1VMC05005	1VMC05002	1VMC05006	1VMC05003

1. Including remote Cloud control panel
2. In hyperventilation mode
3. With 230 V AC supply voltage

4. According to UNI 3744:2010
5. Measured in a 30 m² semi-anechoic environment at a distance of 3 m

6. The Cloud control panel functions are lost
7. In accordance with EN 13141-8:2014-09

.....



Accessories and spare parts

Article	Type	Code
FlowMANHATTAN template	Accessories	1VMC06001
FlowMANHATTAN external cover	Accessories	1VMC06002
FlowMANHATTAN preparation setup	Preparation setups	1VMC06000
Internal hole cover rosette Ø160 mm	Accessories	1VMC06003
Internal diffuser	Accessories	1VMC06005B
Empty internal diffuser	Accessories	1VMC06004
Tube + 150 mm	Accessories	1VMC06007
IR remote control	Accessories	4VMC00000900
STD flush-mounted control panel + 5 m cable	Accessories	1VMC06006
Cloud recessed control panel + 5 m cable	Accessories	1VMC06011
External control panel box 503	Accessories	1VMC99078
CO ₂ monitor ⁽¹⁾	Accessories	4VMC00000902
IAQ monitor ⁽¹⁾	Accessories	4VMC00000903
ePM2.5 65% + Coarse 60% x10 filter	Filters	1VMC06009
ePM2.5 65% + Coarse 60% x30 filter	Filters	1VMC06010

1. Cloud Control Panel required



Dimensional drawings

