TwinFresh Comfo RA1-85 V.3



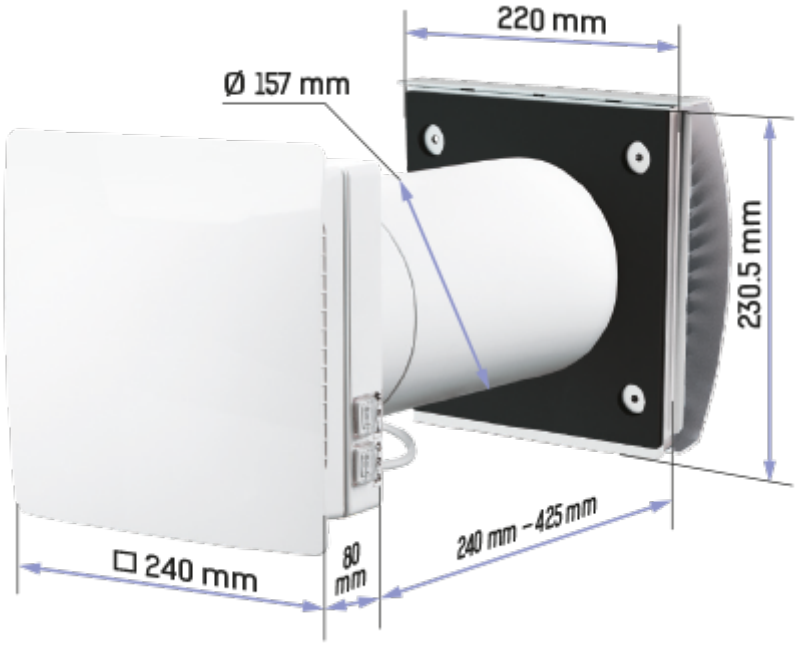
Single-room HRV unit with ceramic heat exchanger and remote control with an air flow of 85 m³/h. This model is supplied to international markets only. For United States customers, please visit vents-us.com product website

- Air flow in heat recovery mode: 43
- Sound pressure level LpA at 3 m: 34
- Sound pressure level LpA at 1 m: 44
- Heat exchanger type: Regenerative
- Heat exchanger material: Ceramic
- Filter: G3 (G4 F7 optional)
- Sound-insulated casing
- Control: Remote Control
- Casing material: Plastic
- Humidity sensor: Built-in

	Unit of measurement	TwinFresh Comfo RA1-85 V.3		
Phases	-	1		
Minimum supply voltage	V	100		
Maximum supply voltage	V	240		
Power supply frequency	Hz	50/60		
Rated power	W	4.74	6.56	9.65
Unit current	A	0.034	0.050	0.071
Air flow in ventilation mode	m³/h	36	59	85
Air flow in heat recovery mode	m³/h	18	30	43
Rotation speed at 50hz	-	1000	1500	2045
Sound pressure level LpA at 3 m	dB(A)	19	25	34
Sound pressure level LpA at 1 m	dB(A)	29	35	44
Heat recovery efficiency, max	%	90		
Heat exchanger type	-	Regenerative		
Heat exchanger material	-	Ceramic		
Filter	-	G3 (G4 F7 optional)		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-20		
Ambient air temperature max	°C	40		
Ambient air temperature min	°C	1		

Ingress protection rating	-	IP24
Ambient air humidity max	%	65
Minimum wall thickness	mm	240
Maximum wall thickness	mm	425

Dimensions



Accessories

Metal

Name	Photo	Description
MVMO 150 bV1s An		Single-row flanged metal grilles with angled louvers, optional flange

Hoods

Name	Photo	Description
EH-2 chrome 160		Outer hood for thin walls
EH-2 grey 160		Outer hood for thin walls

Other accessories

Name	Photo	Description
EH-13 chrome 160		Outer hood for cold climate
EH-13 white 160		Outer hood for cold climate
RC TwinFresh Comfo R-50		Remote control
SF TwinFresh R-50 G3		G3 filter kit (2 pcs.)
SFC 150x50 F7		Filter
SFC 150x50 G4		Filter
TwinFresh R-50		Kit for pre-installation
TwinFresh Comfo RA1-50 V.3 completion kit		Completion kit (for the TwinFresh Comfo RA1-50 V.3 model)

Plastic

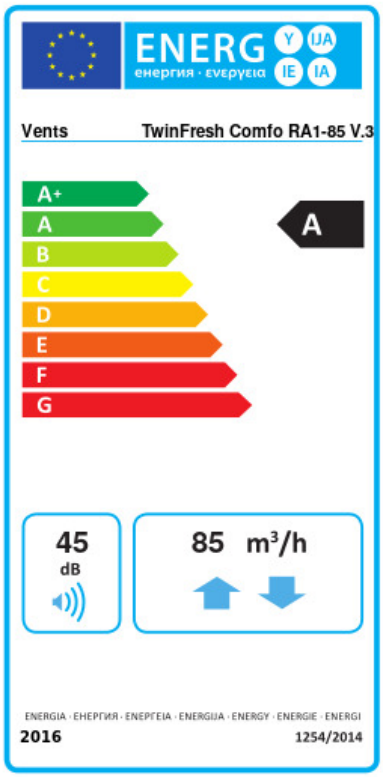
Name	Photo	Description
EH-14 beige 160		Plastic outer hood
EH-14 black 160		Plastic outer hood
EH-14 brown 160		Plastic outer hood
EH-14 chrome 160		Plastic outer hood
EH-14 grey 160		Plastic outer hood
EH-14 terracotta 160		Plastic outer hood

EH-14 white 160		Plastic outer hood
EH-17 beige 160		Plastic outer hood
EH-17 black 160		Plastic outer hood
EH-17 brown 160		Plastic outer hood
EH-17 grey 160		Plastic outer hood
EH-17 terracotta 160		Plastic outer hood
EH-17 white 160		Plastic outer hood
MVVM 162 05		Outer ventilation hood

Flat duct

Name	Photo	Description
3810		Wall mounting
3805		Wall mounting

Ecodesign



Trademark	Vents					
Model	TwinFresh Comfo RA1-85 V.3					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-78	A+	-37.9	A	-15	E
Type of ventilation unit	Bidirectional					
Type of drive installed	3-speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	69					
Maximum flow rate (m³/h)	85					
Electric power input (W)	9.7					
Reference flow rate (m³/s)	0.008					
Specific power input (SPI) (W/(m³/h))	0.222					
Control typology	Local demand control					
Airflow sensitivity at +20 Pa and -20 Pa (%)	0.4					
Declared typology	RVU BVU					
Sound power level (dB(A))	45					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	161		161		161	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	82		42		19	