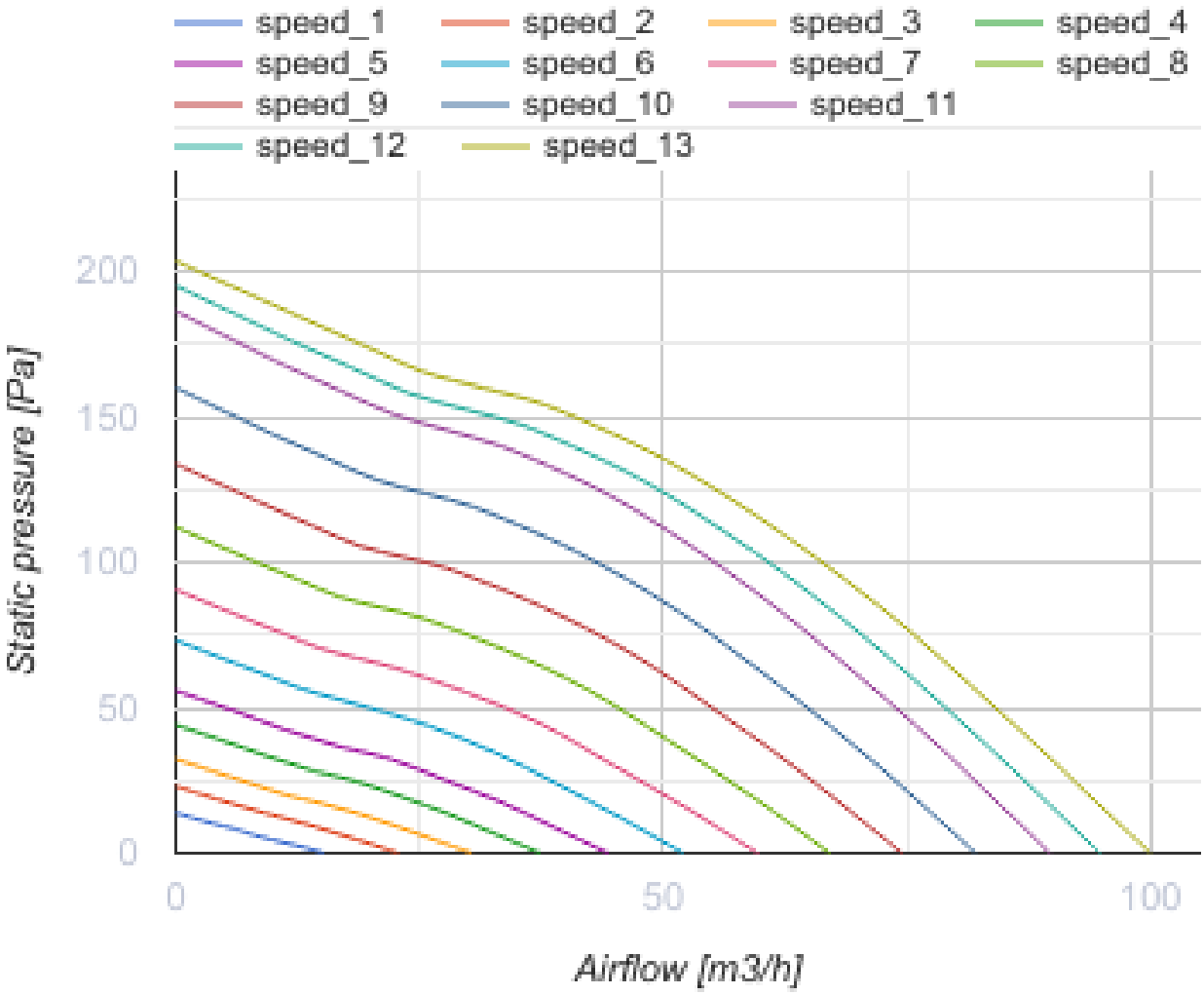
Micra 100

MICRA 100 is a single-room energy-efficient air handling unit intended for decentralised ventilation of residential and commercial spaces as well as apartments and houses

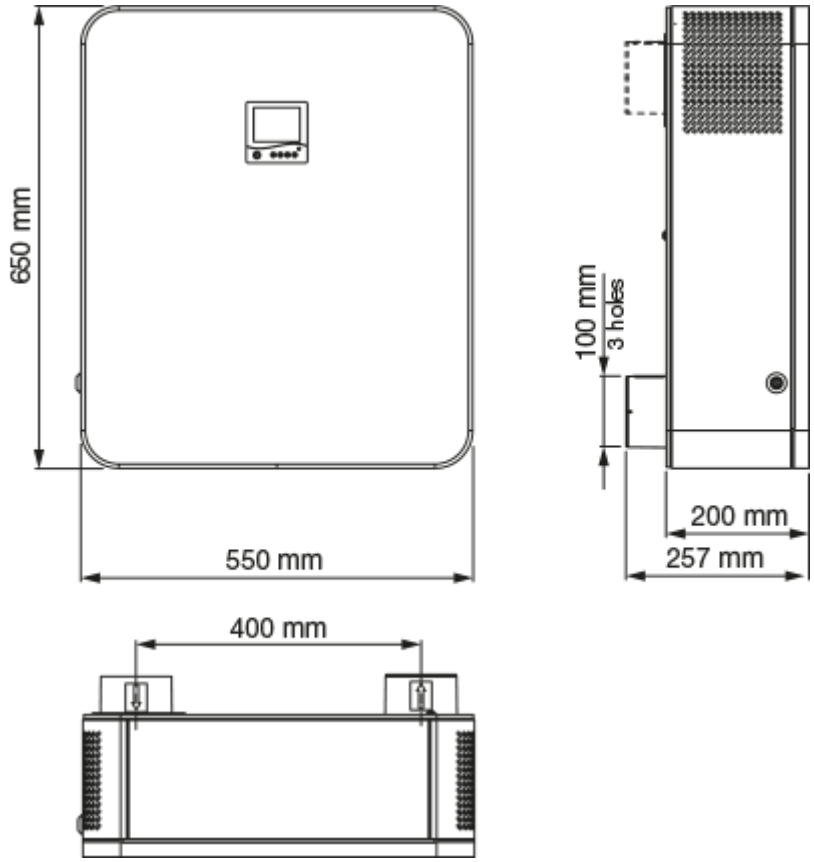
- Maximum airflow: 100
- Sound pressure level LpA at 3 m: 39
- Heat recovery efficiency: 98
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (Option: F7)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Control: Built-in control panel
- Casing material: Coated steel
- Temperature sensor: Built-in

	Unit of measurement	Micra 100		
Connected air duct size	mm	100		
Speed	-	3		
Minimum supply voltage	V	110		
Maximum supply voltage	V	240		
Power supply frequency	Hz	50/60		
Rated power	W	12	21	45
Unit current	A	0.4		
Maximum airflow	m^3/h	30	60	100
Sound pressure level LpA at 3 m	dB(A)	13	27	39
Heat recovery efficiency	%	98	92	89
Heat recovery efficiency, max	%	98		
Heat exchanger type	-	Counter flow		
Heat exchanger material	-	Polystyrene		
Weight	kg	31		
Extract filter	-	G4		
Supply filter	-	G4 (Option: F7)		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-20		
Ambient air temperature min	°C	1		
Ambient air temperature max	°C	40		
Ambient air humidity max	%	70		

Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



Dimensions



Accessories

Other accessories

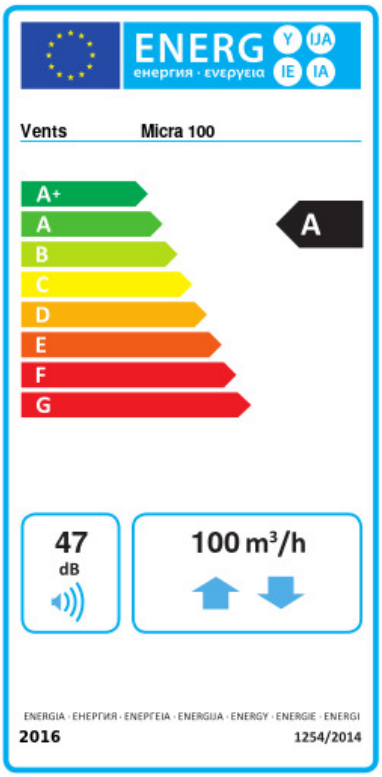
Name	Photo	Description
MK Micra 100 white		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template
MK Micra 100 chrome		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template
NB Micra 100 white		Outdoor box
NB Micra 100 chrome		Outdoor box
NE Micra 100		Heater to prevent condensate freezing in the drain pipe and the outdoor box
SF 193x158x18 G4		Panel filter G4

VL R6 366/157		Summer block
SF 193x158x47 F7		F7 panel filter

Sensors

Name	Photo	Description
HR-S		Electro-mechanical humidistats
CO2-1		CO2 sensors
CO2-2		CO2 sensors

Ecodesign



Trademark	Vents					
Model	Micra 100					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-81.4	A+	-41.6	A	-16.2	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	92					
Maximum flow rate (m³/h)	100					
Electric power input (W)	45					
Reference flow rate (m³/s)	0.017					
Specific power input (SPI) (W/(m³/h))	0.35					
Control typology	Local demand control					
Maximum internal leakage rates (%)	0.1					
Maximum external leakage rates (%)	0.9					
Mixing rate (%)	1					
Airflow sensitivity at +20 Pa and -20 Pa (%)	0.93					
The indoor/outdoor air tightness (m³/h)	7					
Declared typology	RVU BVU					
Sound power level (dB(A))	47					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	786		249		204	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9230		4718		2133	