Micra 200 E1 ERV WiFi

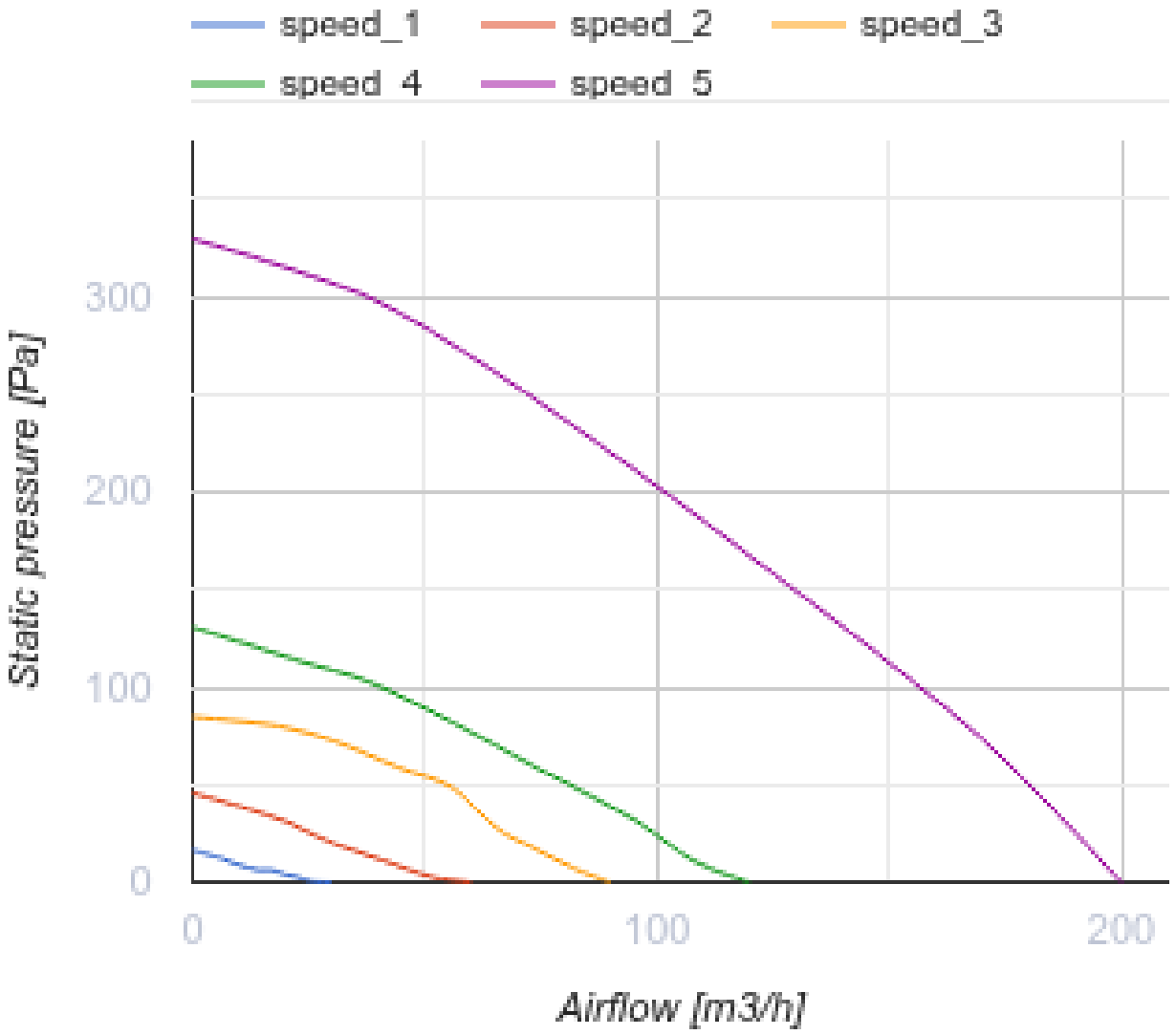


Wall-mounted AHU with an air flow of up to 200 m³/h

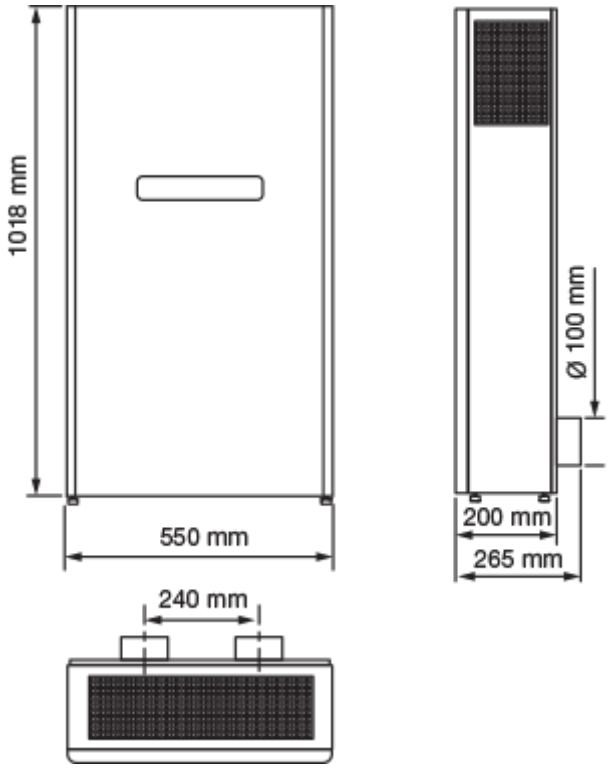
- Power of electrical reheater: 700
- Sound pressure level LpA at 3 m: 45
- Heat exchanger type: Plate counterflow
- Heat exchanger material: Profiled polystyrene plates
- Supply filter: G4 + F7 (H13 option)
- Extract filter: G4
- Sound-insulated casing
- Enthalpy heat exchanger
- Reheater: Electric
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- Temperature sensor: Built-in

	Unit of measurement	Micra 200 E1 ERV WiFi				
Connected air duct size	mm	100				
Phases	-	1				
Minimum supply voltage	V	230				
Maximum supply voltage	V	230				
Power supply frequency	Hz	50/60				
Rated power	W	10	15	25	44	134
Power of electrical reheater	W	700				
Unit current	A	4.2				
Maximum airflow	m³/h	30	60	90	120	200
Rotation speed at 50hz	-	2000				
Sound pressure level LpA at 3 m	dB(A)	12	22	30	36	45
Heat recovery efficiency	%	85	81	75	68	66
Heat exchanger type	-	Plate counterflow				
Heat exchanger material	-	Profiled polystyrene plates				
Weight	kg	55				
Supply filter	-	G4 + F7 (H13 option)				
Extract filter	-	G4				
Transported air temperature (max)	°C	40				
Transported air temperature (min)	°C	-15				

Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44
Minimum wall thickness	mm	70
Maximum wall thickness	mm	2000



Dimensions



Accessories

Sensors

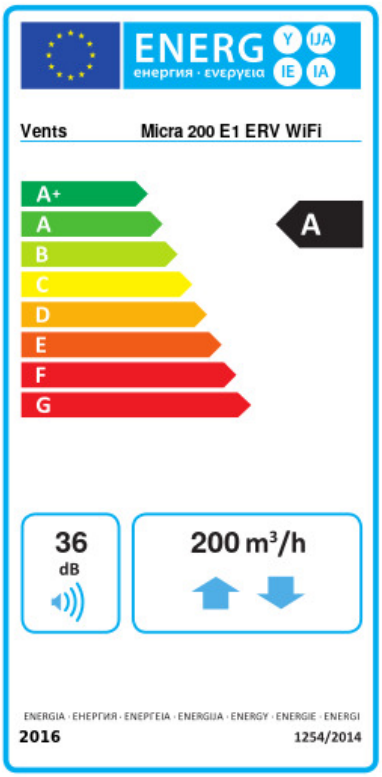
Name	Photo	Description
CO2-1		CO2 sensors
CO2-2		CO2 sensors

Other accessories

Name	Photo	Description
SF 201x162x20 G4		Panel filter G4
SF 243x162x20 G4		Panel filter G4
MK Micra 200 chrome		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template
MK Micra 200 white		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template

NB Micra 200 chrome		Outdoor box
NB Micra 200 white		Outdoor box
SF 502x162x40 F7		F7 panel filter
SF 502x162x40 H13		H13 HEPA filter

Ecodesign



Trademark	Vents					
Model	Micra 200 E1 ERV WiFi					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-69.7	A+	-35.2	A	-12.8	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	68					
Maximum flow rate (m³/h)	200					
Electric power input (W)	134					
Reference flow rate (m³/s)	0.039					
Specific power input (SPI) (W/(m³/h))	0.415					
Control typology	Local demand control					
Maximum internal leakage rates (%)	0.1					
Maximum external leakage rates (%)	0.9					
Mixing rate (%)	20					
Airflow sensitivity at +20 Pa and -20 Pa (%)	0.93					
The indoor/outdoor air tightness (m³/h)	7					
Sound power level (dB(A))	36					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	824		287		242	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8161		4172		1886	