Micra 100 E



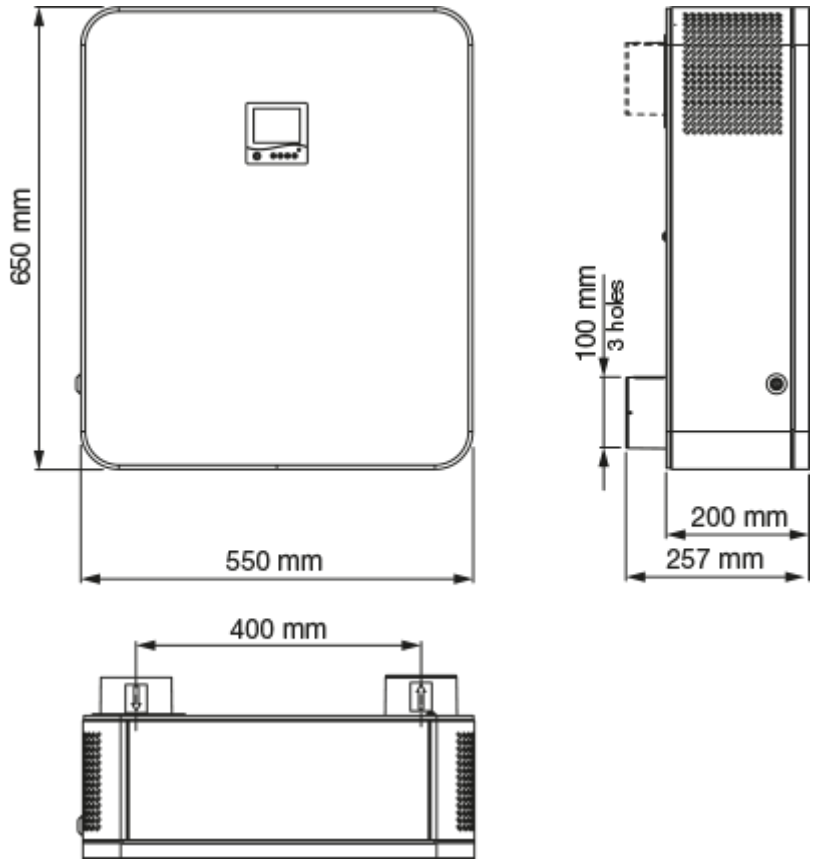
Basic compact wall AHU with an air flow of up to 100 m³/h

- Power of electrical preheater: 700
- Sound pressure level LpA at 3 m: 39
- Heat exchanger type: Plate counterflow
- Heat exchanger material: Profiled polystyrene plates
- Supply filter: G4 (Option: F7)
- Extract filter: G4
- Sound-insulated casing
- Reheater: Electric
- Control: Built-in control panel
- Casing material: Coated steel
- Temperature sensor: Built-in

	Unit of measurement	Micra 100 E		
Connected air duct size	mm	100		
Phases	-	1		
Maximum supply voltage	V	230		
Minimum supply voltage	V	230		
Power supply frequency	Hz	50/60		
Rated power	W	12	21	45
Power of electrical preheater	W	700		
Unit current	A	0.4		
Maximum airflow	m³/h	30	60	100
Rotation speed at 50hz	-	2200		
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	-	Plate counterflow		
Heat exchanger material	-	Profiled polystyrene plates		
Weight	kg	31		
Supply filter	-	G4 (Option: F7)		
Extract filter	-	G4		
Transported air temperature (max)	°C	40		
Transported air temperature (min)	°C	-20		
Ambient air temperature min	°C	1		

Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	70
Ingress protection rating of the drive	-	IP44
Minimum wall thickness	mm	100
Maximum wall thickness	mm	2000

Dimensions



Accessories

Sensors

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

Other accessories

Name	Photo	Description
SF 193x158x18 G4		Panel filter G4

MK Micra 100 chrome		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template
MK Micra 100 white		Mounting kit: Two plastic air ducts; Outdoor box; Cardboard template
NB Micra 100 chrome		Outdoor box
NB Micra 100 white		Outdoor box
NE Micra 100		Heater to prevent condensate freezing in the drain pipe and the outdoor box
VL R6 366/157		Summer block
SF 193x158x47 F7		F7 panel filter

Ecodesign

Trademark	Vents					
Model	Micra 100 E					
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))	0.385					
Control typology	Local demand control					
Maximum internal leakage rates (%)	0.9					
Maximum external leakage rates (%)	20					
Mixing rate (%)	1					
Airflow sensitivity at +20 Pa and -20 Pa (%)	7					
The indoor/outdoor air tightness (m³/h)	7					
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	