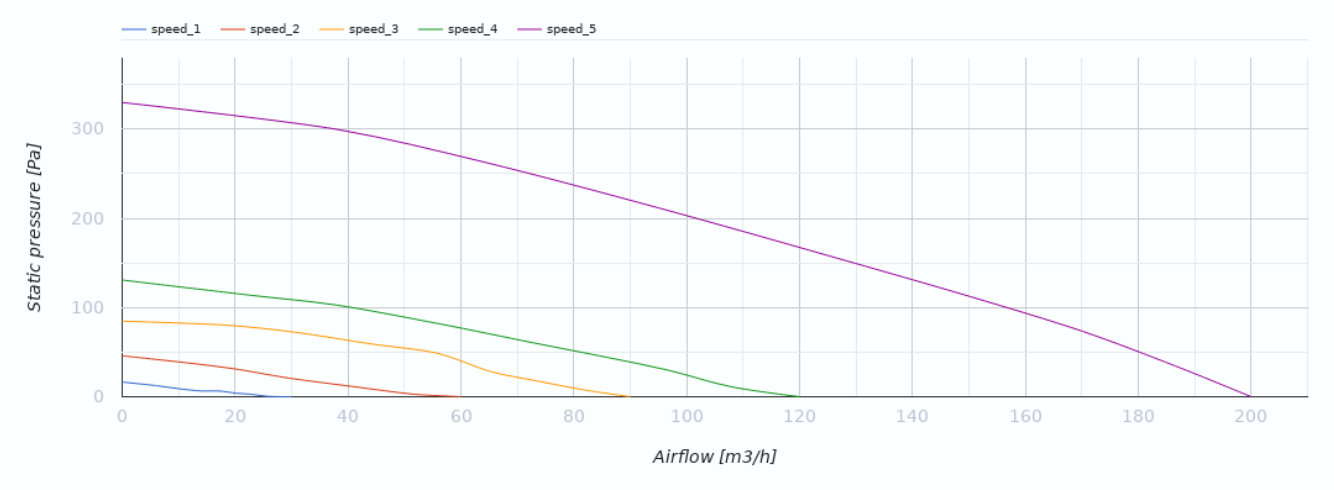


Freshbox E2-200 ERV WiFi

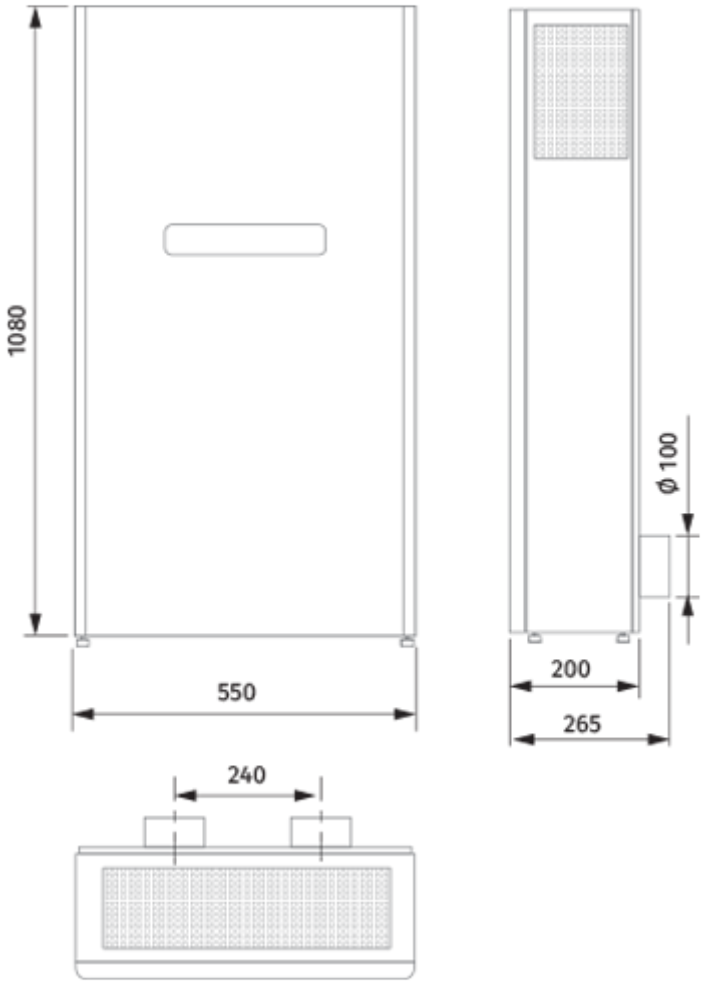
Single-room air handling units

- Power of electrical preheater: 650
- Power of electrical reheater: 700
- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Sound-insulated casing
- Enthalpy heat exchanger
- Reheater: Electric
- Preheater: Electric
- Control: Built-in control panel, Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- Temperature sensor: Built-in

	Unit of measurement	Freshbox E2-200 ERV WiFi				
Phases	-	1				
Minimum supply voltage	V	230				
Maximum supply voltage	V	230				
Power supply frequency	Hz	50/60				
Power of electrical preheater	W	650				
Power of electrical reheater	W	700				
Maximum airflow	m³/h	30	60	90	120	200
Heat recovery efficiency	%	85	81	75	68	66
Heat exchanger type	-	Counter flow				
Heat exchanger material	-	Enthalpy				
Weight	kg	55				
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				
Ingress protection rating of the drive	-	IP44				
Ambient air humidity max	%	60				
Minimum wall thickness	mm	70				
Maximum wall thickness	mm	2000				


speed_1
speed_2
speed_3
speed_4
speed_5
Static pressure [Pa]
300
200
100
0
0
20
40
60
80
100
120
140
160
180
200
Airflow [m3/h]

Dimensions


1080
550
240
200
265
Ø 100

Ecodesign

Trademark	Blauberg					
Model	Freshbox E2-200 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 (%)	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))	36					
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	

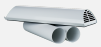
Accessories

CO2 sensors

Name	Photo	Description
CD-1		CO2 sensors

CD-2		CO2 sensors

Other accessories

Name	Photo	Description
MS Freshbox 200 chrome		
MS Freshbox 200 white		
FP 502x162x40 F7		F7 panel filter
FP 201x162x20 G4		G4 panel filter
FP 243x162x20 G4		G4 panel filter
FP 502x162x40 H13		Supply HEPA H13 panel filter

Hoods

Name	Photo	Description
AH Freshbox 200 chrome		
AH Freshbox 200 white		

Humidity sensors

Name	Photo	Description

HR-S		Electro-mechanical humidistat