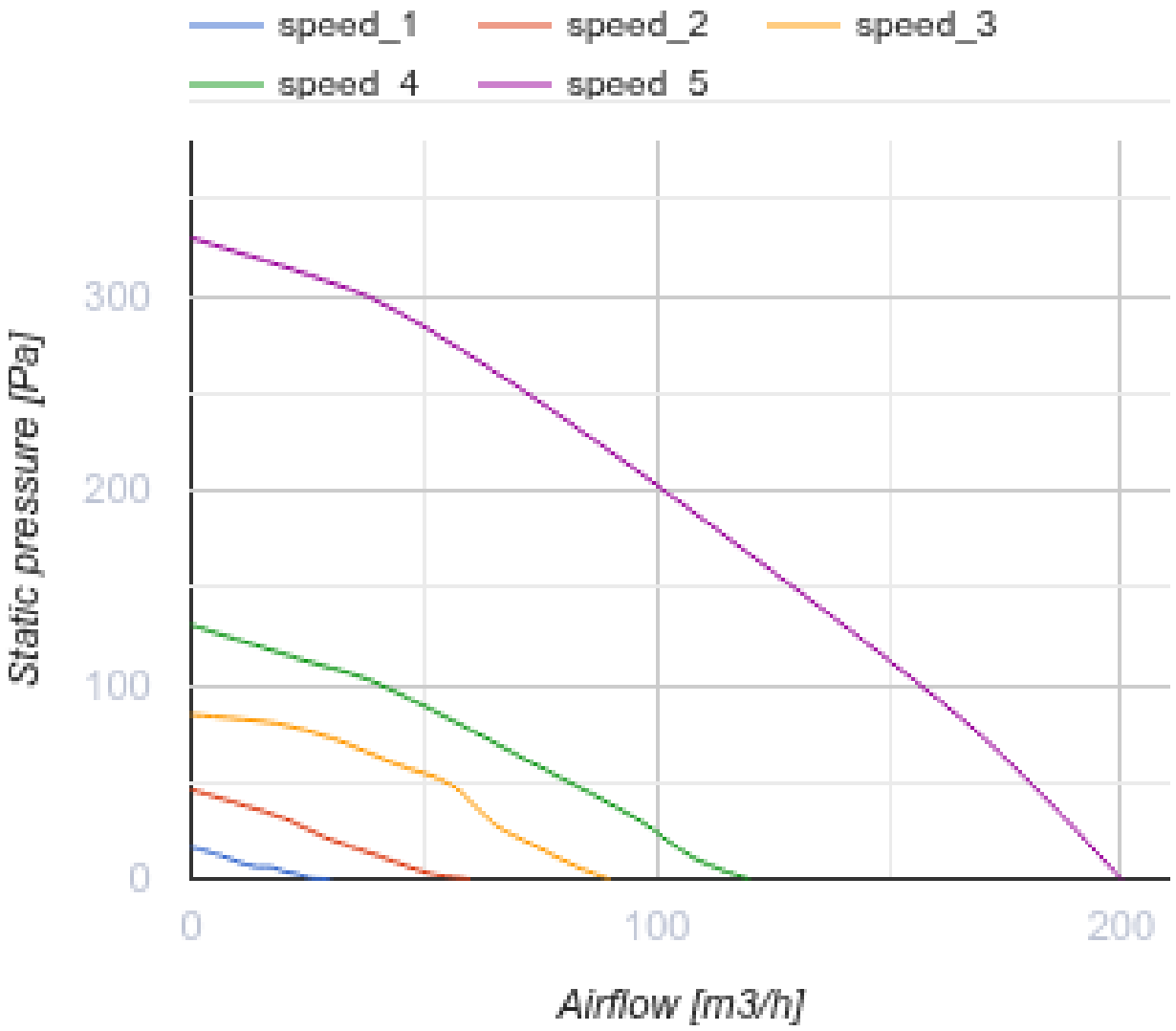
Freshbox E-200 ERV WiFi

Single-room air handling units

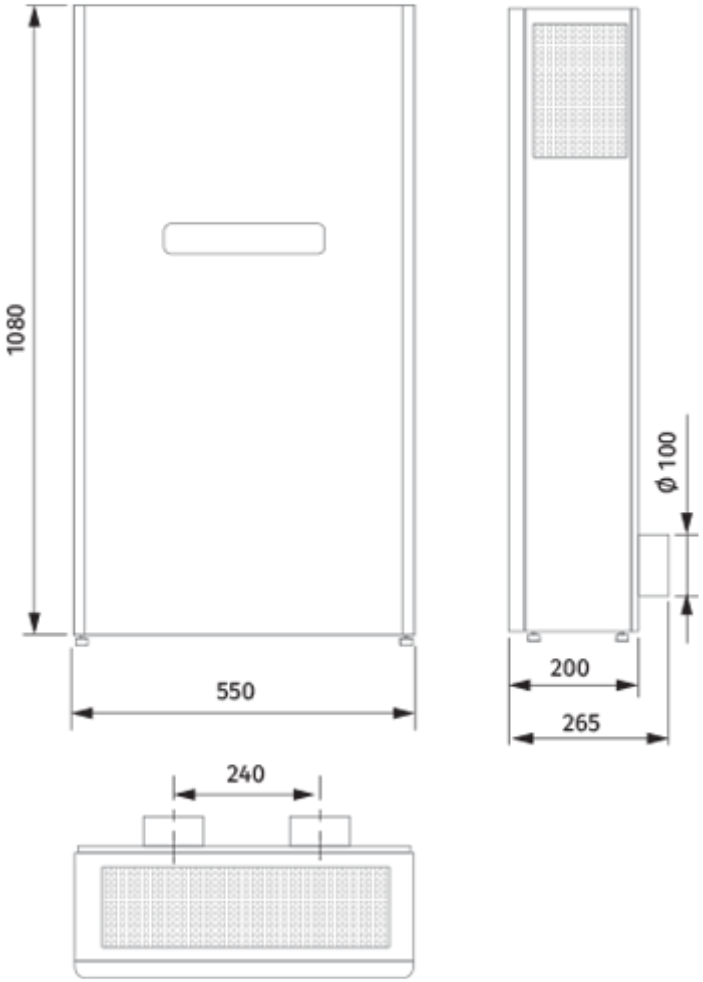
- Power of electrical preheater: 650
- Sound pressure level LpA at 3 m: 45
- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Supply filter: G4 + F7 (Option: H13)
- Extract filter: G4
- Sound-insulated casing
- Enthalpy heat exchanger
- Preheater: Electric
- Control: Built-in control panel, Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- Temperature sensor: Built-in

	Unit of measurement	Freshbox E-200 ERV WiFi				
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	10	15	25	44	134
Power of electrical preheater	W	650				
Unit current	A	4				
Maximum airflow	m³/h	30	60	90	120	200
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	-	Counter flow				
Heat exchanger material	-	Enthalpy				
Weight	kg	55				
Supply filter	-	G4 + F7 (Option: H13)				
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


1080
550
240
Ø 100
200
265

Ecodesign

Trademark	Blauberg					
Model	Freshbox E-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	