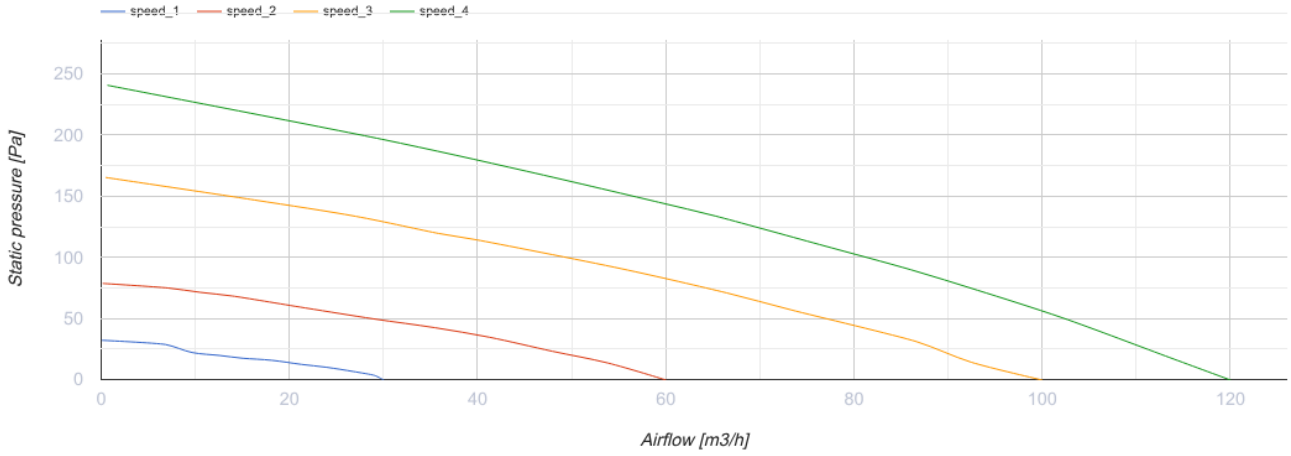
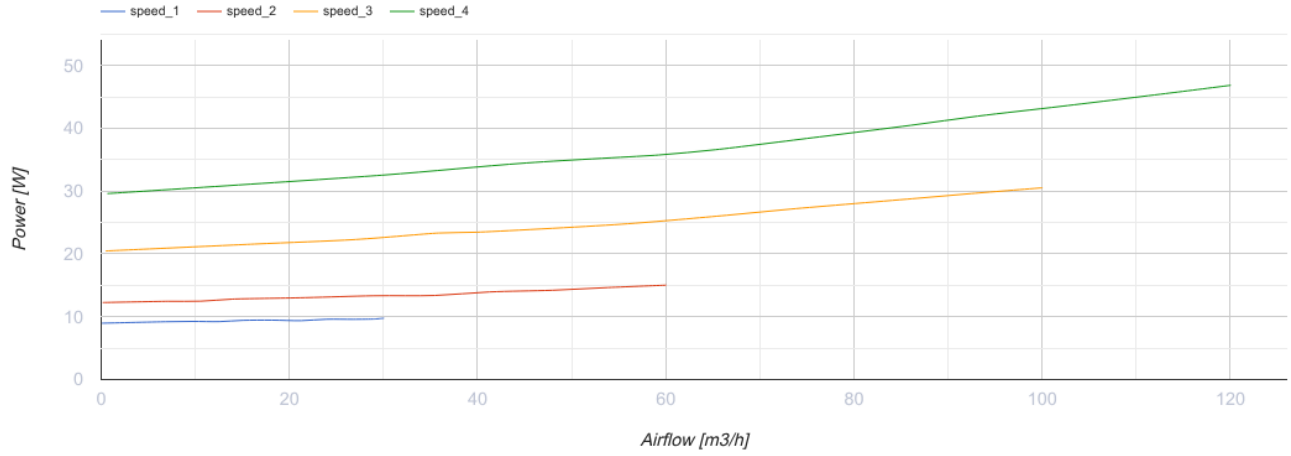
Freshbox 110 K1 ERV WiFi

• Sound pressure level LpA at 1 m: 46
• Heat exchanger type: Plate counterflow
• Heat exchanger material: Profiled polystyrene plates
• Sound-insulated casing
• Enthalpy heat exchanger
• Bypass: Auto
• Control: Built-in control panel
• Casing material: Galvanized steel
• Humidity sensor: Built-in
• Temperature sensor: Built-in

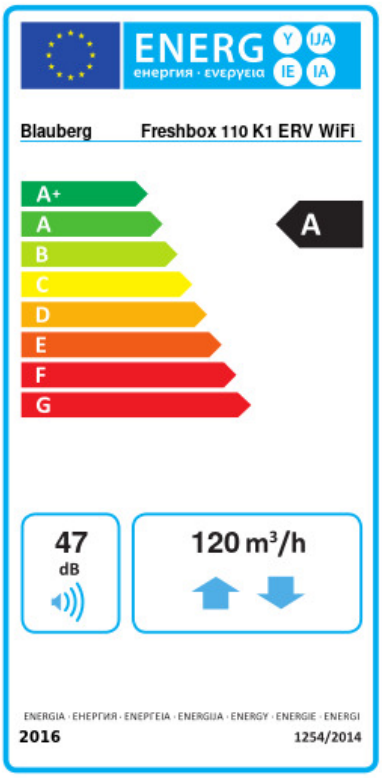
	Unit of measurement	Freshbox 110 K1 ERV WiFi			
Phases	-	1			
Minimum supply voltage	V	230			
Maximum supply voltage	V	230			
Power supply frequency	Hz	50/60			
Maximum airflow	m³/h	30	60	100	120
Sound pressure level LpA at 1 m	dB(A)	20	30	40	46
Heat recovery efficiency	%	85	80	72	68
Heat exchanger type	-	Plate counterflow			
Heat exchanger material	-	Profiled polystyrene plates			
Weight	kg	23			
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	-	IP20			
Ambient air humidity max	%	60			
Ingress protection rating of the drive	-	IP44			


speed_1
speed_2
speed_3
speed_4
Static pressure [Pa]
250
200
150
100
50
0
0
20
40
60
80
100
120
Airflow [m3/h]


speed_1
speed_2
speed_3
speed_4
Power [W]
50
40
30
20
10
0
0
20
40
60
80
100
120
Airflow [m3/h]

Dimensions

Ecodesign



Trademark	Blauberg					
Model	Freshbox 110 K1 ERV WiFi					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-74.9	A+	-38.9	A	-15.6	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	75					
Maximum flow rate (m³/h)	120					
Electric power input (W)	46.9					
Reference flow rate (m³/s)	0.023					
Specific power input (SPI) (W/(m³/h))	0.274					
Control typology	Local demand control					
Maximum internal leakage rates (%)	1.7					
Maximum external leakage rates (%)	4.7					
Airflow sensitivity at +20 Pa and -20 Pa (%)	0					
Declared typology	RVU BVU					
Sound power level (dB(A))	47					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	741		204		159	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8472		4331		1958	