



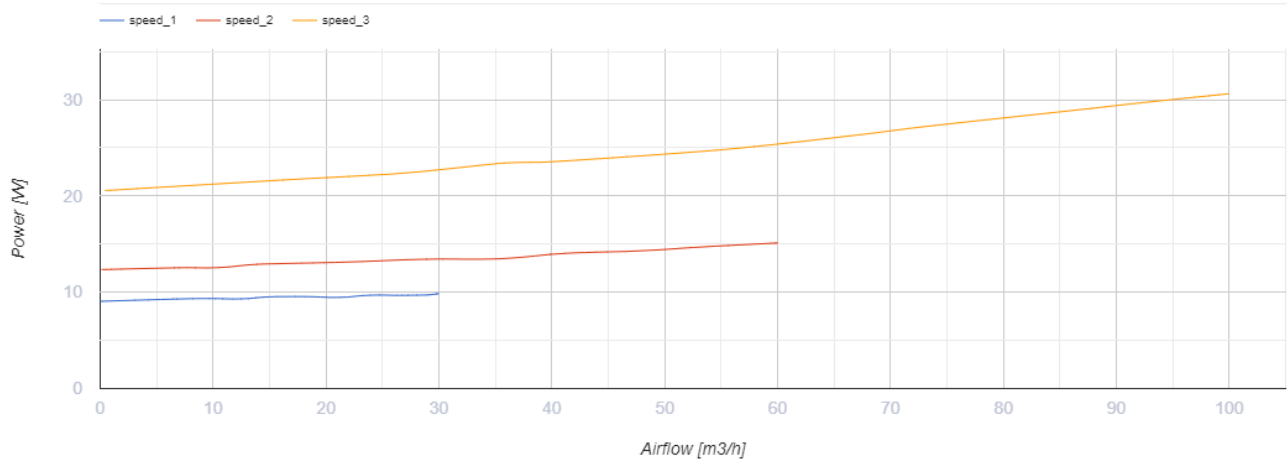
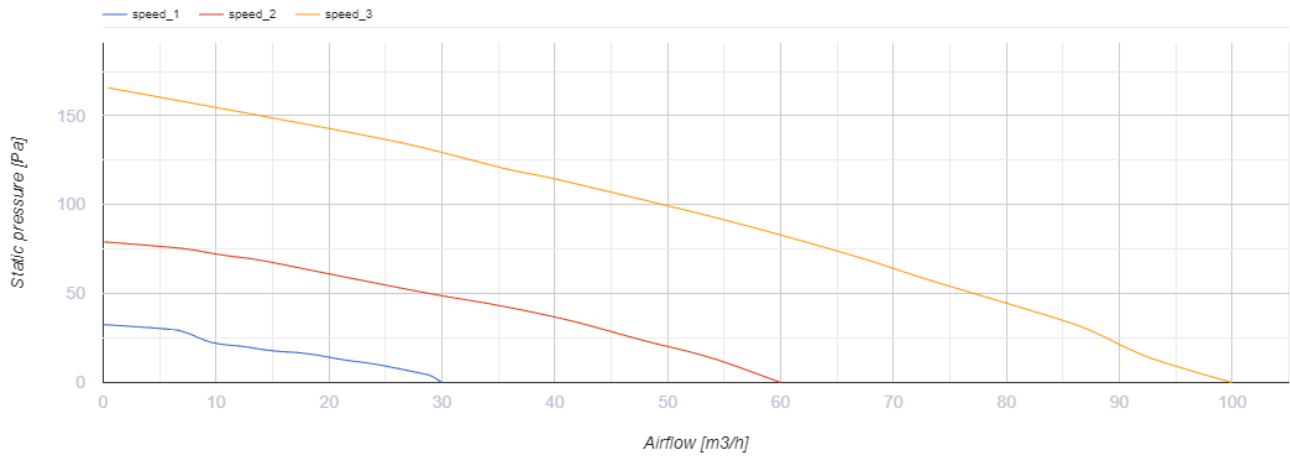
Freshbox 110 K1 ERV

Decentralized supply and exhaust unit with heat recovery

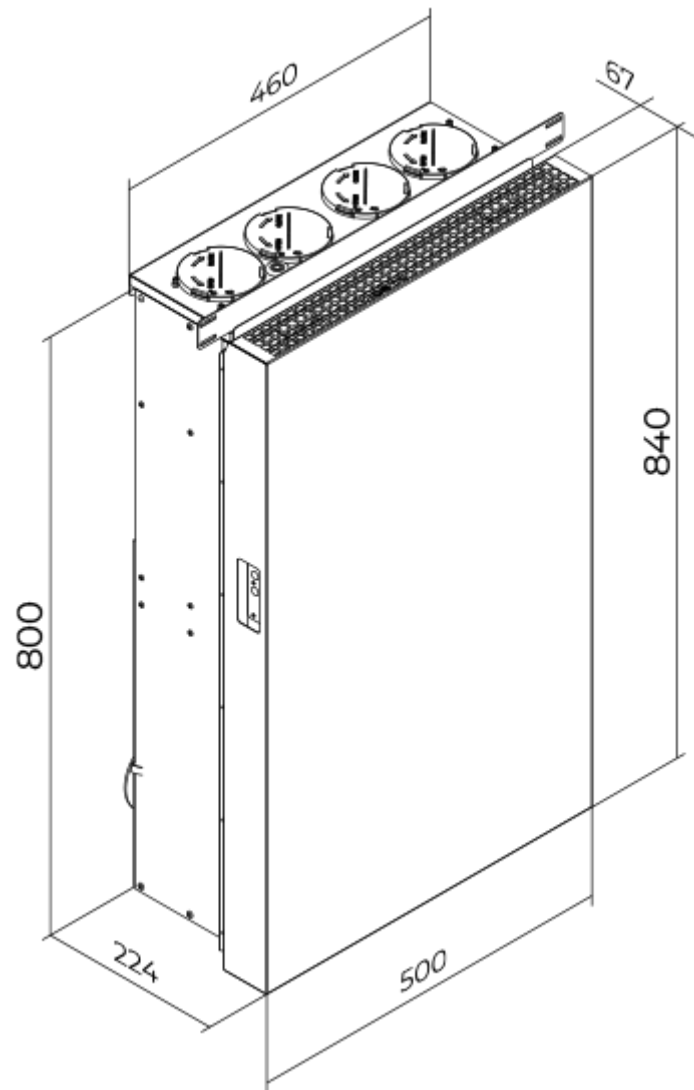
- Maximum airflow: 100
- Sound pressure level LpA at 3 m: 31
- Sound pressure level LpA at 1 m: 40
- Heat recovery efficiency: 85
- Heat exchanger type: Counter flow
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Control: Remote Control
- Casing material: Galvanized steel
- Humidity sensor: Built-in
- Temperature sensor: Built-in

	Unit of measurement	Freshbox 110 K1 ERV		
Connected air duct size	mm	100		
Speed	-	3		
Minimum supply voltage	V	230		
Maximum supply voltage	V	230		
Power supply frequency	Hz	50/60		
Rated power	W	10	15	31
Unit current	A	0.26		
Maximum airflow	m ³ /h	30	60	100
Sound pressure level LpA at 3 m	dB(A)	10	21	31
Sound pressure level LpA at 1 m	dB(A)	20	30	40
Heat recovery efficiency	%	85	80	72
Heat exchanger type	-	Counter flow		
Heat exchanger material	-	Enthalpy		
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		
Ambient air humidity max	%	60		
Ingress protection rating	-	IP20		

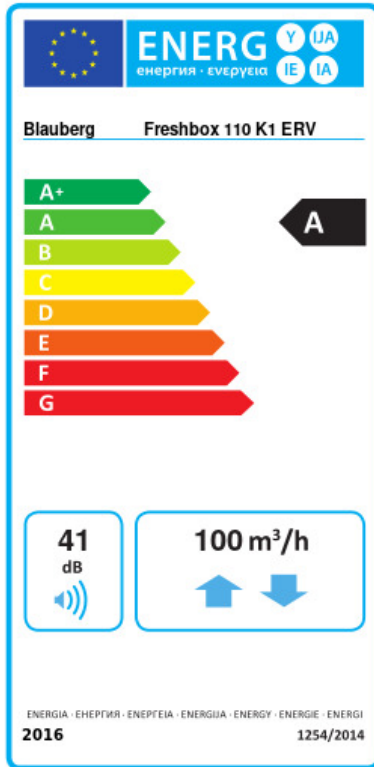
Ingress protection rating of the drive	-	IP44
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Dimensions



Ecodesign




Trademark	Blaubeerg					
Model	Freshbox 110 K1 ERV					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	-76.6	A+	-39.5	A	-15.6	E
Type of ventilation unit	Bidirectional					
Type of drive installed	3-speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	80					
Maximum flow rate (m ³ /h)	100					
Electric power input (W)	30.6					
Reference flow rate (m ³ /s)	0.017					
Specific power input (SPI) (W/(m ³ /h))	0.252					
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))	41					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	764		227		182	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8695		4445		2010	

Accessories

CO2 sensors

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

[CD-3](#)**Other accessories**

Name	Photo	Description
EH Freshbox 100		Electric heater