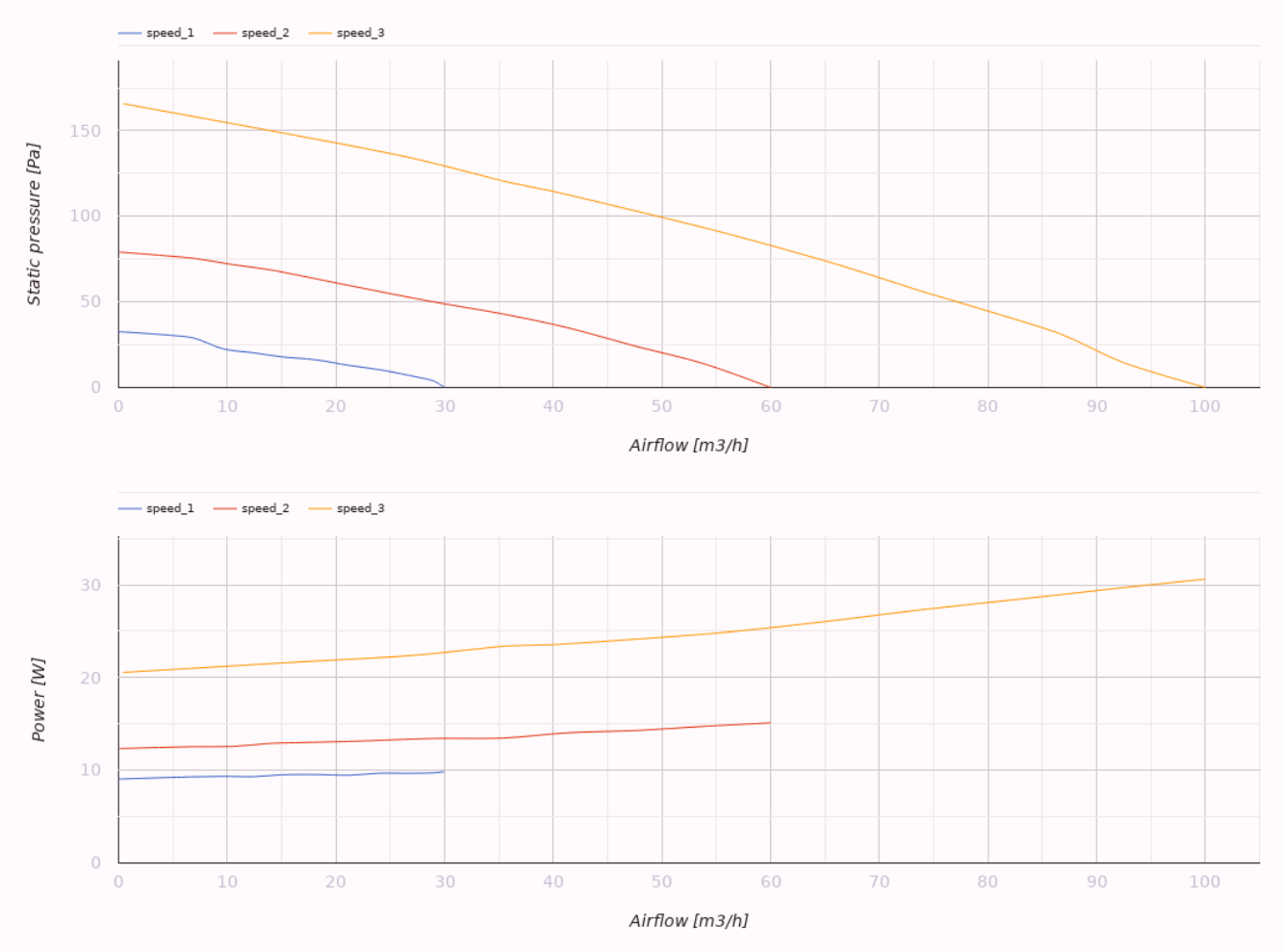
Freshbox 110 WiFi

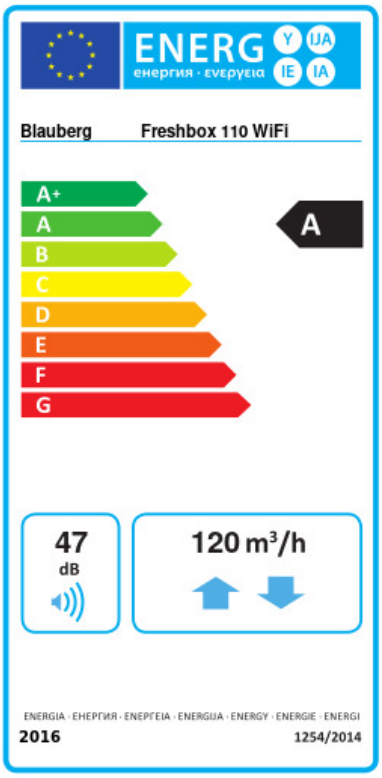
- Sound pressure level LpA at 3 m: 31
- Sound pressure level LpA at 1 m: 40
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Sound-insulated casing
- Bypass: Auto
- Control: Built-in control panel
- Casing material: Galvanized steel
- Humidity sensor: Built-in
- Temperature sensor: Built-in

	Unit of measurement	Freshbox 110 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	31
Unit current	A	0.26		
Maximum airflow	m³/h	30	60	100
Rotation speed at 50hz	-	3200		
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	%	93	87	84
Heat exchanger type	-	Counter flow		
Heat exchanger material	-	Polystyrene		
Weight	kg	20		
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
Static pressure [Pa]
150
100
50
0
0
10
20
30
40
50
60
70
80
90
100
Airflow [m3/h]
speed_1
speed_2
speed_3
Power [W]
30
20
10
0
0
10
20
30
40
50
60
70
80
90
100
Airflow [m3/h]

Dimensions

Ecodesign



Trademark	Blauberg					
Model	Freshbox 110 WiFi					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-78.9	A+	-40.9	A	-16.5	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	84					
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	
	8873		4536		2051	