



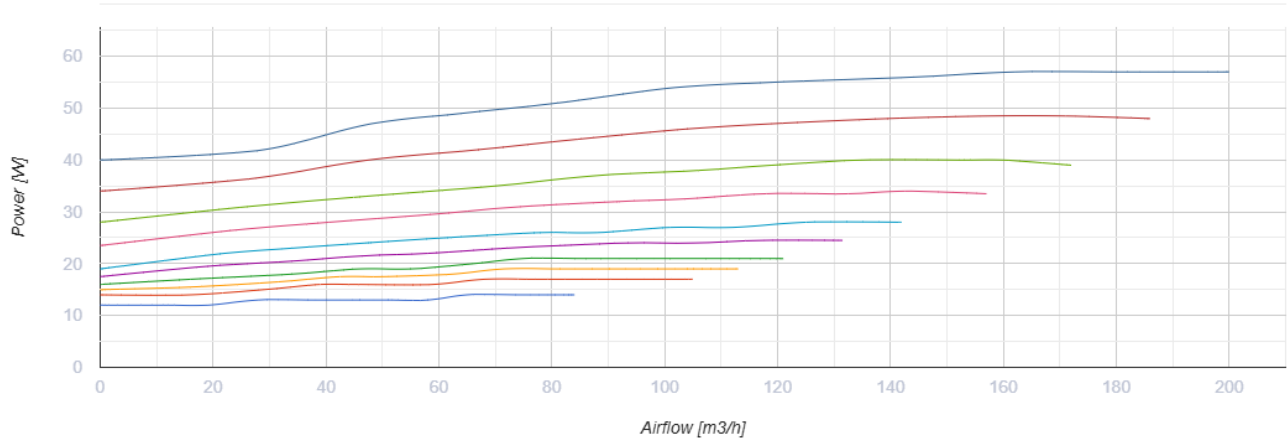
KOMFORT EC SB 160 S21

Heat and humidity recovery air handling units

- Maximum airflow: 200
- Sound pressure level LpA at 3 m: 24
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: F7 (option: G4)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

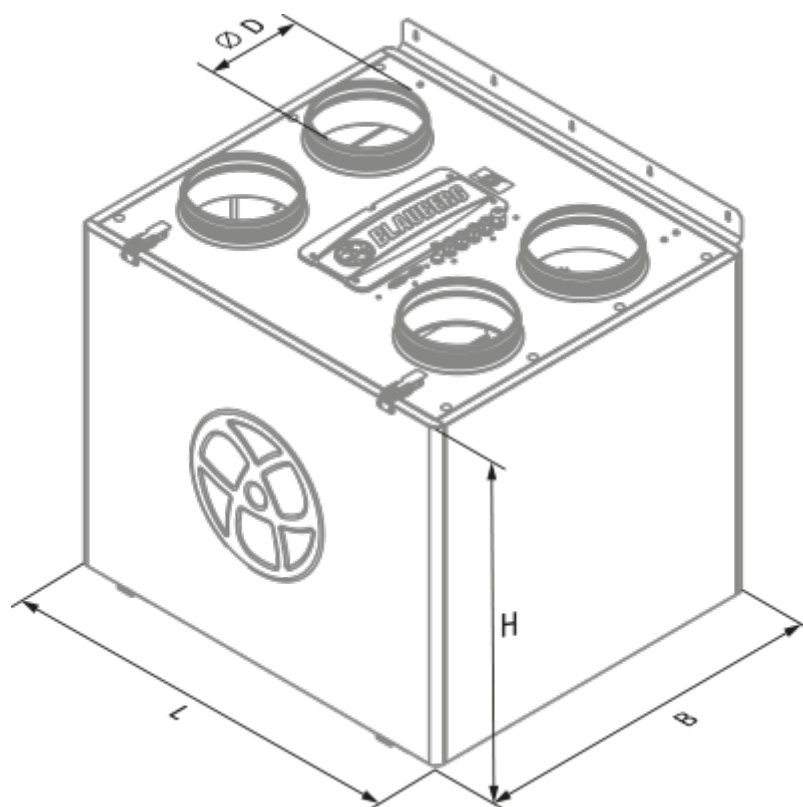
	Unit of measurement	KOMFORT EC SB 160 S21
Connected air duct size	mm	125
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	57
Unit current	A	0.5
Maximum airflow	m ³ /h	200
Sound pressure level LpA at 3 m	dB(A)	24
Heat recovery efficiency, max	%	93
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	36
Extract filter	-	G4
Supply filter	-	F7 (option: G4)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
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

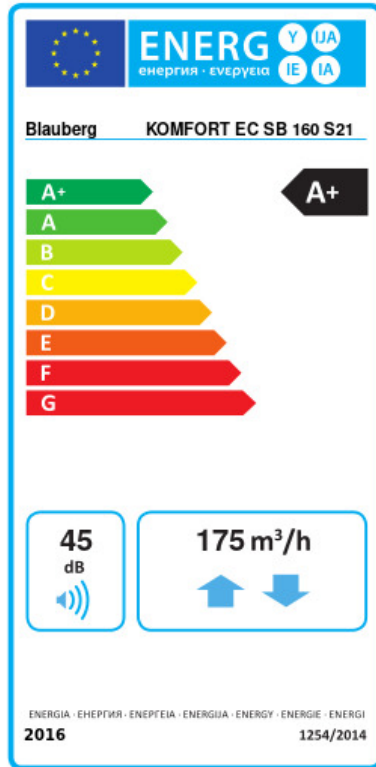


Dimensions

D	B	H	L
125	330	580	600



Ecodesign




Trademark	Blauberg			
Model	KOMFORT EC SB 160 S21			
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average	
	81.5	A+	42.8	A+
Type of ventilation unit	Bidirectional		Warm	
	18	E		
Type of drive installed	Variable speed			
Type of heat recovery system	Recuperative			
Thermal efficiency of heat recovery (%)	86			
Maximum flow rate (m ³ /h)	175			
Electric power input (W)	57			
Reference flow rate (m ³ /s)	0.036			
Reference pressure difference (Pa)	50			
Specific power input (SPI) (W/(m ³ /h))	0.215			
Control typology	Local demand control			
Maximum internal leakage rates (%)	2.7			
Maximum external leakage rates (%)	2.7			
Declared typology	RVU BVU			
Sound power level (dB(A))	45			
The annual electricity consumption (AEC) (kWh/a)	Cold		Average	
	696	159	Warm	
The annual heating saved (AHS) (kWh/a)	Cold		Average	
	9019	4610	2085	




Accessories

Other accessories


Name	Photo	Description
FP 285x195x10 G4		G4 panel filter

FP 285x195x10 F7		F7 panel filter
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Control Panels

Name	Photo	Description
S22		Control panels
S22 Wi-Fi		Control panels
S25		LCD control panel



Humidity sensors





Name	Photo	Description
FS2		Humidity sensor

CO2 sensors


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

Electrical heaters

Name	Photo	Description
EVH 125-0.6-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
EVH 125-0.8-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection

EVH 125-1.2-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
ENH 125-0.6-1 S21 V.2		Duct heater for supply air reheating
ENH 125-0.8-1 S21 V.2		Duct heater for supply air reheating
ENH 125-1.2-1 S21 V.2		Duct heater for supply air reheating


Condensation drainage

Name	Photo	Description
SFK 20x32		Hydraulic syphon for condensate drainage

For round ducts

Name	Photo	Description
VKA 125		Air dampers for round ducts

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators