



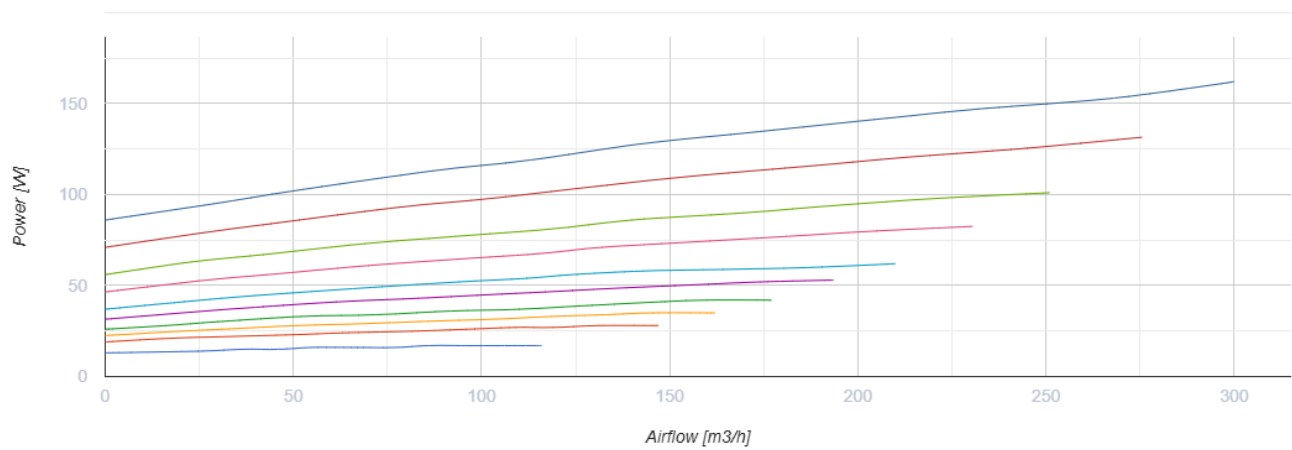
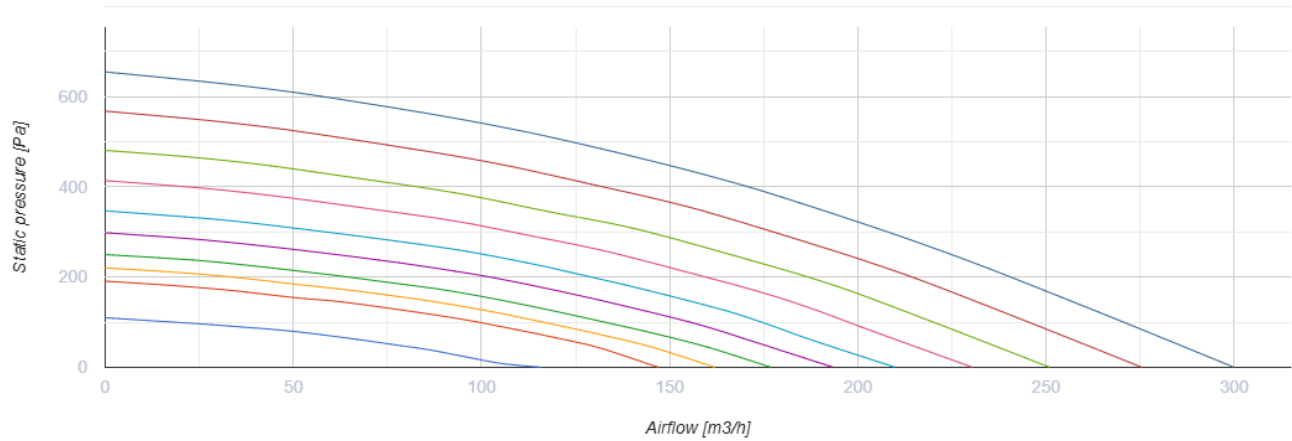
KOMFORT EC S5B 270 S21

Heat and energy recovery air handling units

- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 34
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (option: F8)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

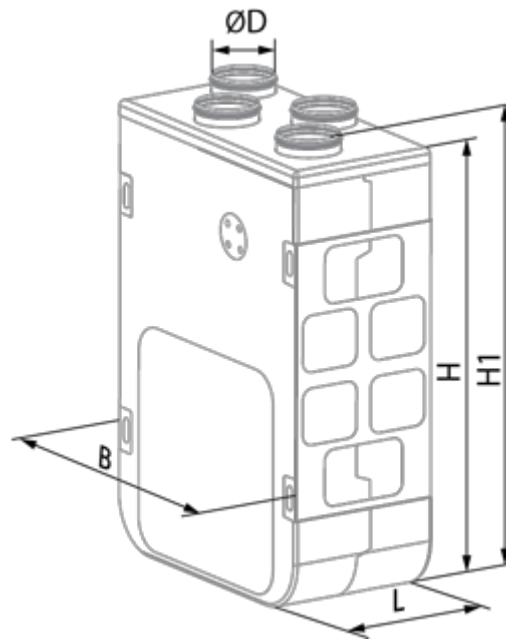
	Unit of measurement	KOMFORT EC S5B 270 S21
Connected air duct size	mm	125
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	162
Unit current	A	1.2
Maximum airflow	m ³ /h	300
Sound pressure level LpA at 3 m	dB(A)	34
Heat recovery efficiency, max	%	98
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	13
Extract filter	-	G4
Supply filter	-	G4 (option: F8)
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	-	IP22
Ingress protection rating of the drive	-	IP44

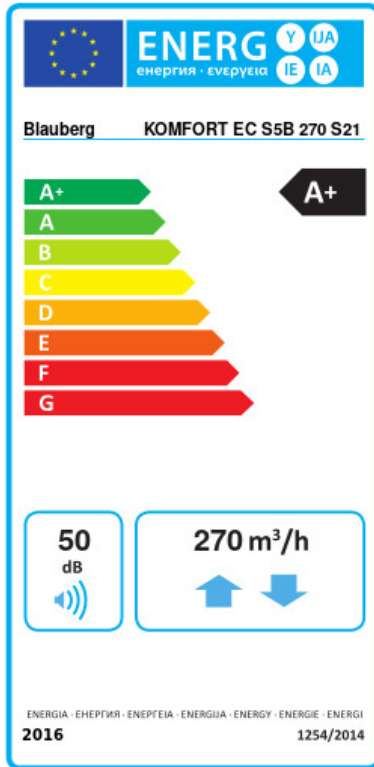


Dimensions

ØD	B	H	H1	L
125	590	852	893	316



Ecodesign






Trademark	Blauberg		
Model	KOMFORT EC S5B 270 S21		
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold	Average	Warm
	81.8 A+	42.3 A+	17 E
Type of ventilation unit	Bidirectional		
Type of drive installed	Variable speed		
Type of heat recovery system	Recuperative		
Thermal efficiency of heat recovery (%)	90		
Maximum flow rate (m ³ /h)	270		
Electric power input (W)	153		
Reference flow rate (m ³ /s)	0.053		
Reference pressure difference (Pa)	50		
Specific power input (SPI) (W/(m ³ /h))	0.316		
Control typology	Local demand control		
Maximum internal leakage rates (%)	2.7		
Maximum external leakage rates (%)	2.7		
Sound power level (dB(A))	50		
Declared typology	RVU BVU		
The annual electricity consumption (AEC) (kWh/a)	Cold	Average	Warm
	749	212	167
The annual heating saved (AHS) (kWh/a)	Cold	Average	Warm
	9181	4693	2122

Accessories


Other accessories

Name	Photo	Description
FP 264x182x18 G4		G4 panel filter
FP 264x182x18 F8		



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
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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