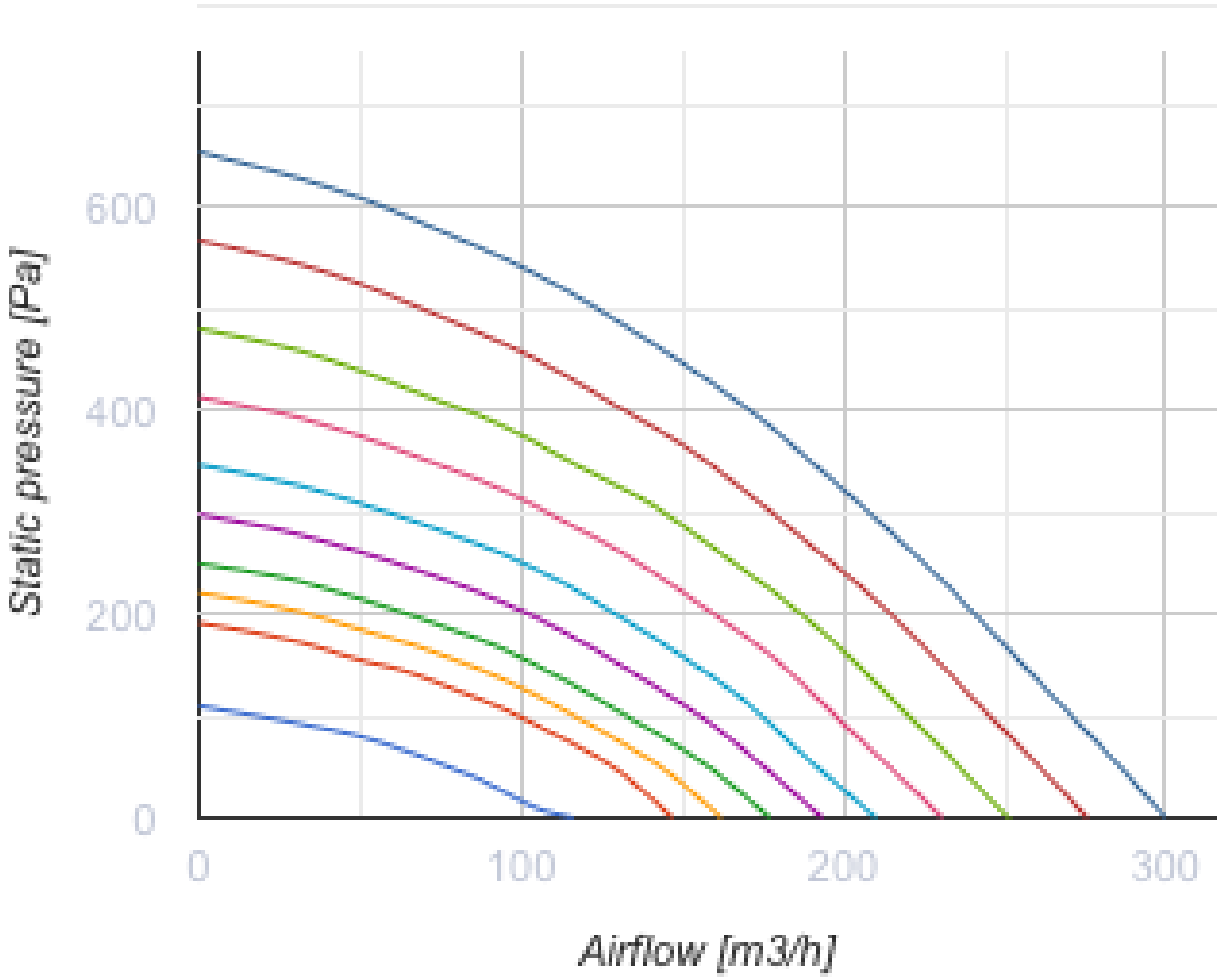


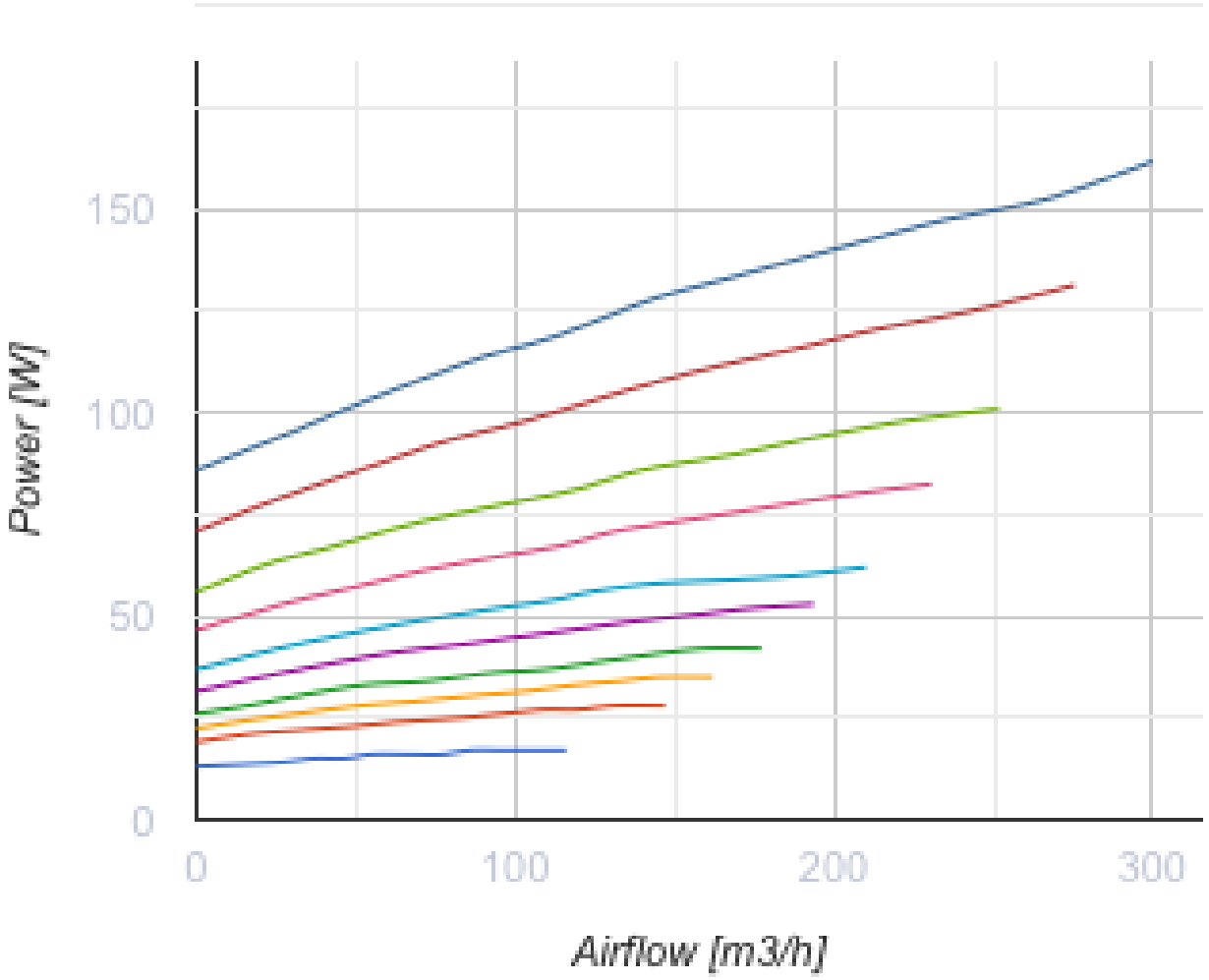
KOMFORT EC S5B 270-E S21

Heat and energy recovery air handling units

- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

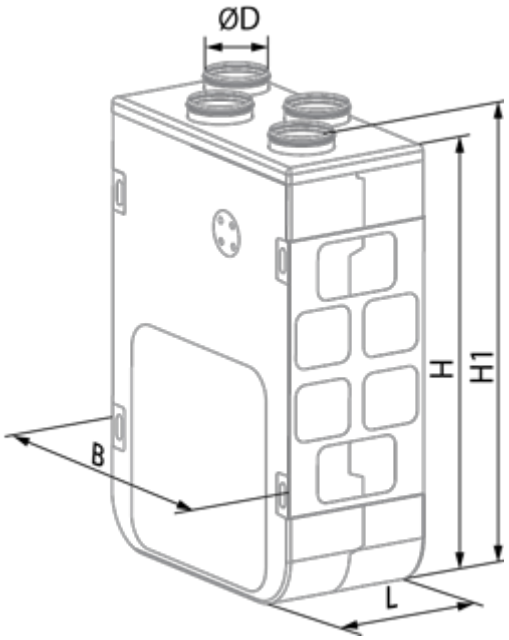
	Unit of measurement	KOMFORT EC S5B 270-E S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Maximum airflow	m³/h	300
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	13.5
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44


Static pressure [Pa]
600
400
200
0
0
100
200
300
Airflow [m3/h]

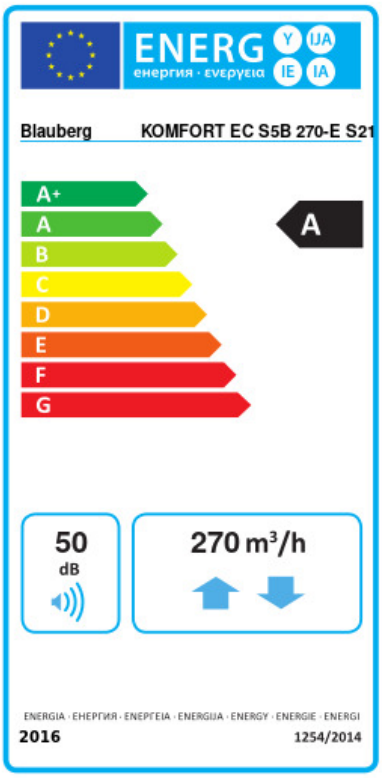


Dimensions

ØD	B	H	H1	L
125	590	852	893	316


ØD
H
H1
B
L

Ecodesign



Trademark	Blauberg				
Model	KOMFORT EC S5B 270-E S21				
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-77.8	A+	-40.2	A	-16.1	E
Type of ventilation unit	Bidirectional				
Type of drive installed	Variable speed				
Type of heat recovery system	Recuperative				
Thermal efficiency of heat recovery (%)	80				
Maximum flow rate (m³/h)	270				
Electric power input (W)	153				
Reference flow rate (m³/s)	0.053				
Reference pressure difference (Pa)	50				
Specific power input (SPI) (W/(m³/h))	0.316				
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))	50				
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	749		212		167	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8776		4486		2029	

Accessories

For round ducts

Name	Photo	Description
VKA 125		Air dampers for round ducts

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

Control Panels

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

CO2 sensors

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

Humidity sensors

Name	Photo	Description

FS2		Humidity sensor

Other accessories

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