



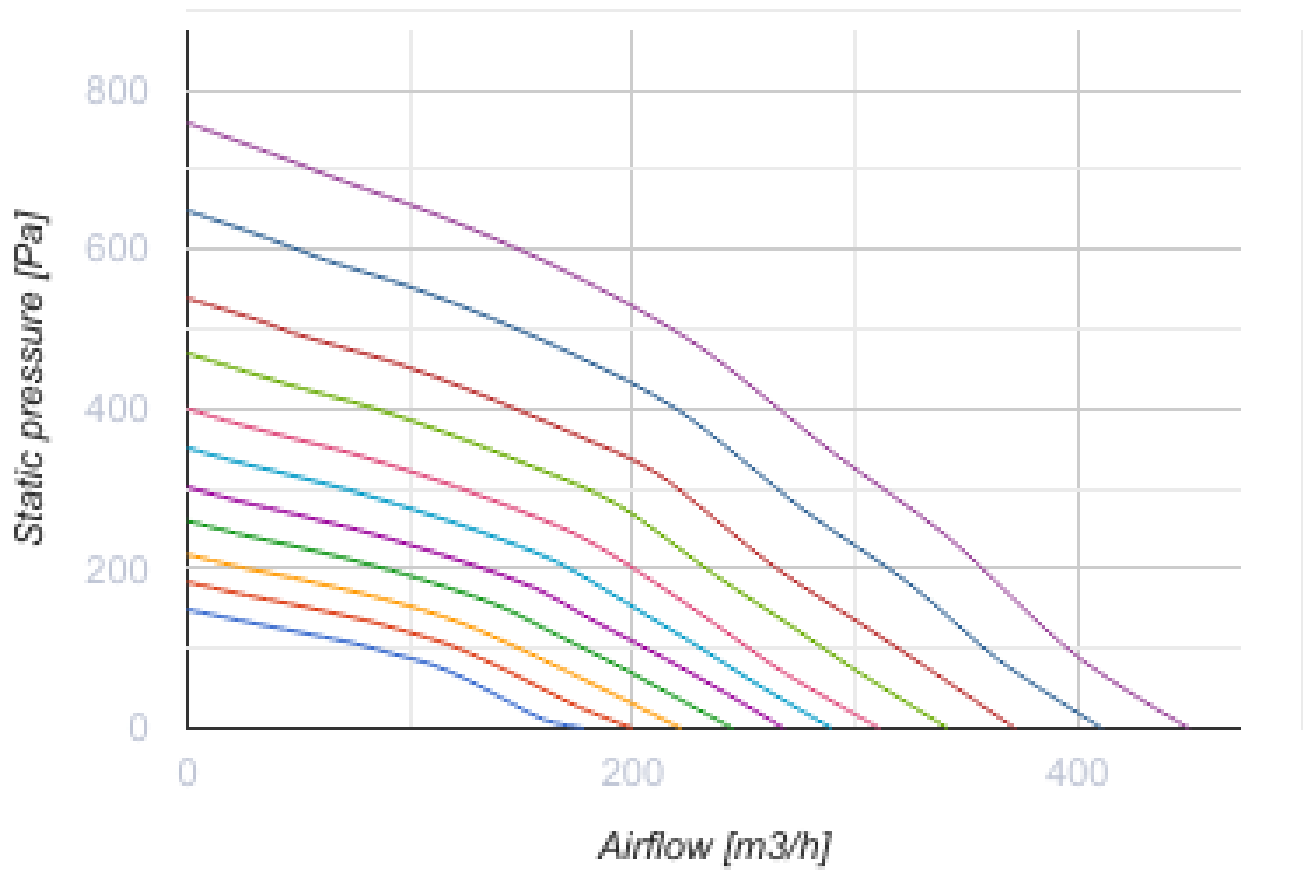
# KOMFORT EC SB 350 S21

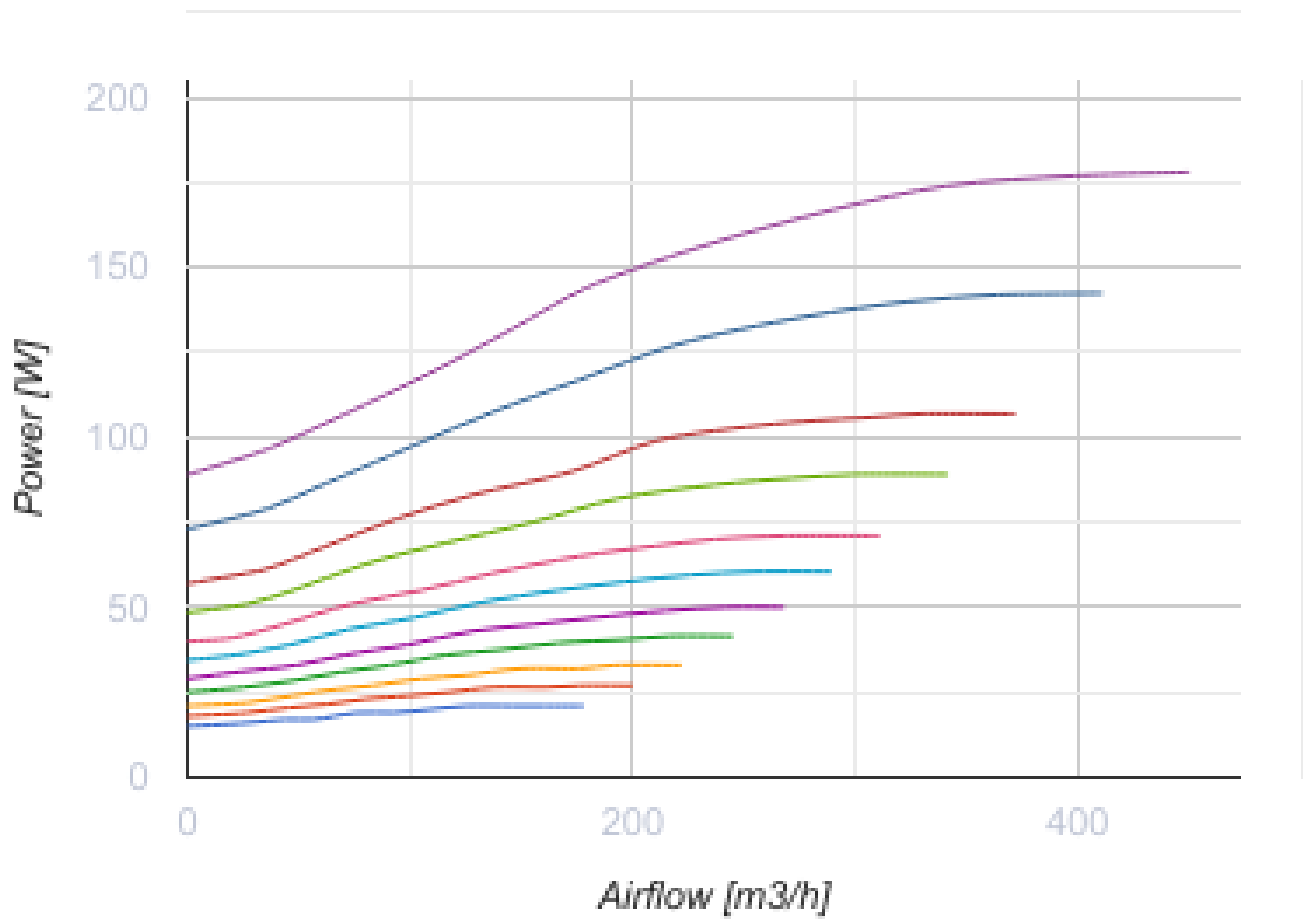
Heat and humidity recovery air handling units

- Maximum airflow: 450
- Sound pressure level LpA at 3 m: 28
- 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 350 S21
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	178
Unit current	A	1.4
Maximum airflow	m <sup>3</sup> /h	450
Sound pressure level LpA at 3 m	dB(A)	28
Heat recovery efficiency, max	%	92
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	64
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

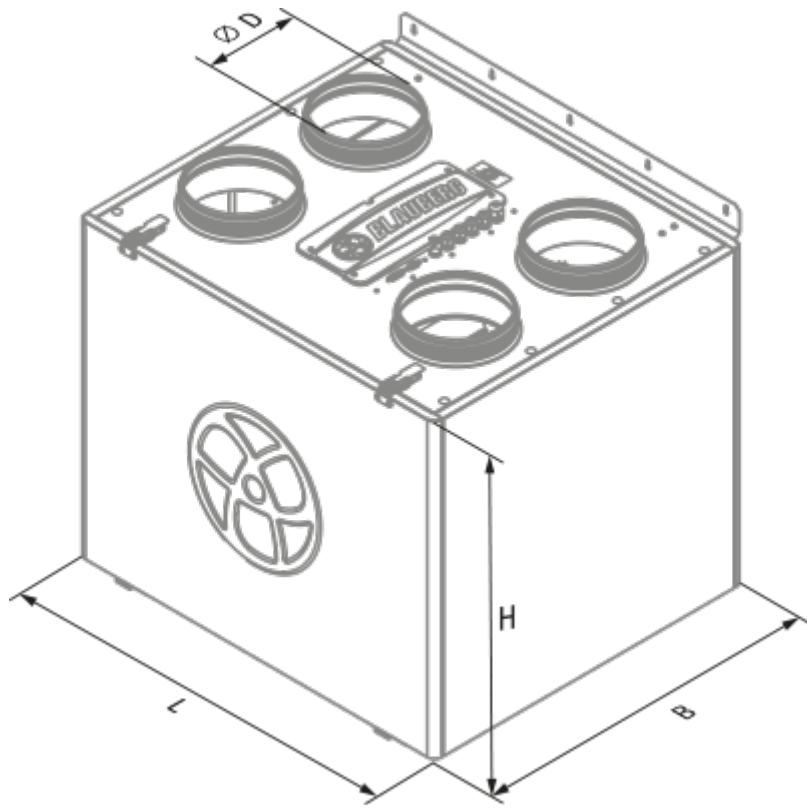
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP20
Ingress protection rating of the drive	-	IP44



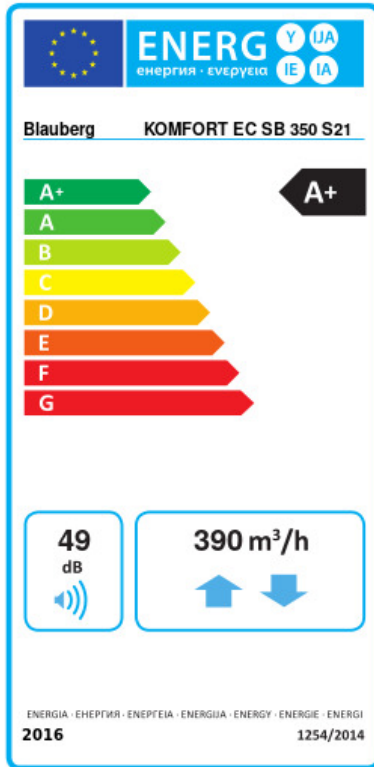


## Dimensions

ØD	B	H	L
160	583	675	730



## Ecodesign




Trademark	Blaubeurg					
Model	KOMFORT EC SB 350 S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	81	A+	42.3	A+	17.5	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	86					
Maximum flow rate (m <sup>3</sup> /h)	390					
Electric power input (W)	177					
Reference flow rate (m <sup>3</sup> /s)	0.078					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.254					
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))	49					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	716		179		134	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9019		4610		2085	




## Accessories

### Other accessories


Name	Photo	Description
FP 500x196x40 G4		G4 panel filter

FP 500x196x40 F7		F7 panel filter
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### Control Panels

Name	Photo	Description
<a href="#">S22</a>		Control panels
<a href="#">S22 Wi-Fi</a>		Control panels
<a href="#">S25</a>		LCD control panel



### Humidity sensors




Name	Photo	Description
<a href="#">FS2</a>		Humidity sensor

### CO2 sensors


Name	Photo	Description
<a href="#">CD-1</a>		CO2 sensors
<a href="#">CD-2</a>		CO2 sensors

### Electrical heaters


Name	Photo	Description
<a href="#">EVH 160-0.8-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 160-1.2-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection

<a href="#">EVH 160-1.7-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 160-2.0-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">ENH 160-0.8-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 160-1.2-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 160-1.7-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 160-2.0-1 S21 V.2</a>		Duct heater for supply air reheating


### Condensation drainage

Name	Photo	Description
<a href="#">SFK 20x32</a>		Hydraulic syphon for condensate drainage

### For round ducts

Name	Photo	Description
<a href="#">VKA 160</a>		Air dampers for round ducts

### Electric actuators

Name	Photo	Description
<a href="#">Belimo TF230</a>		Electric actuators