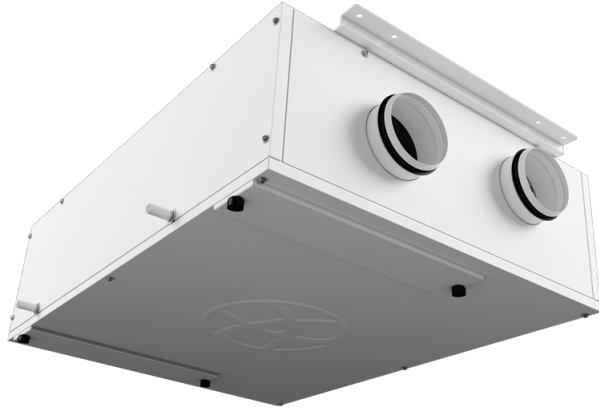


# KOMFORT EC DB 160 R S21

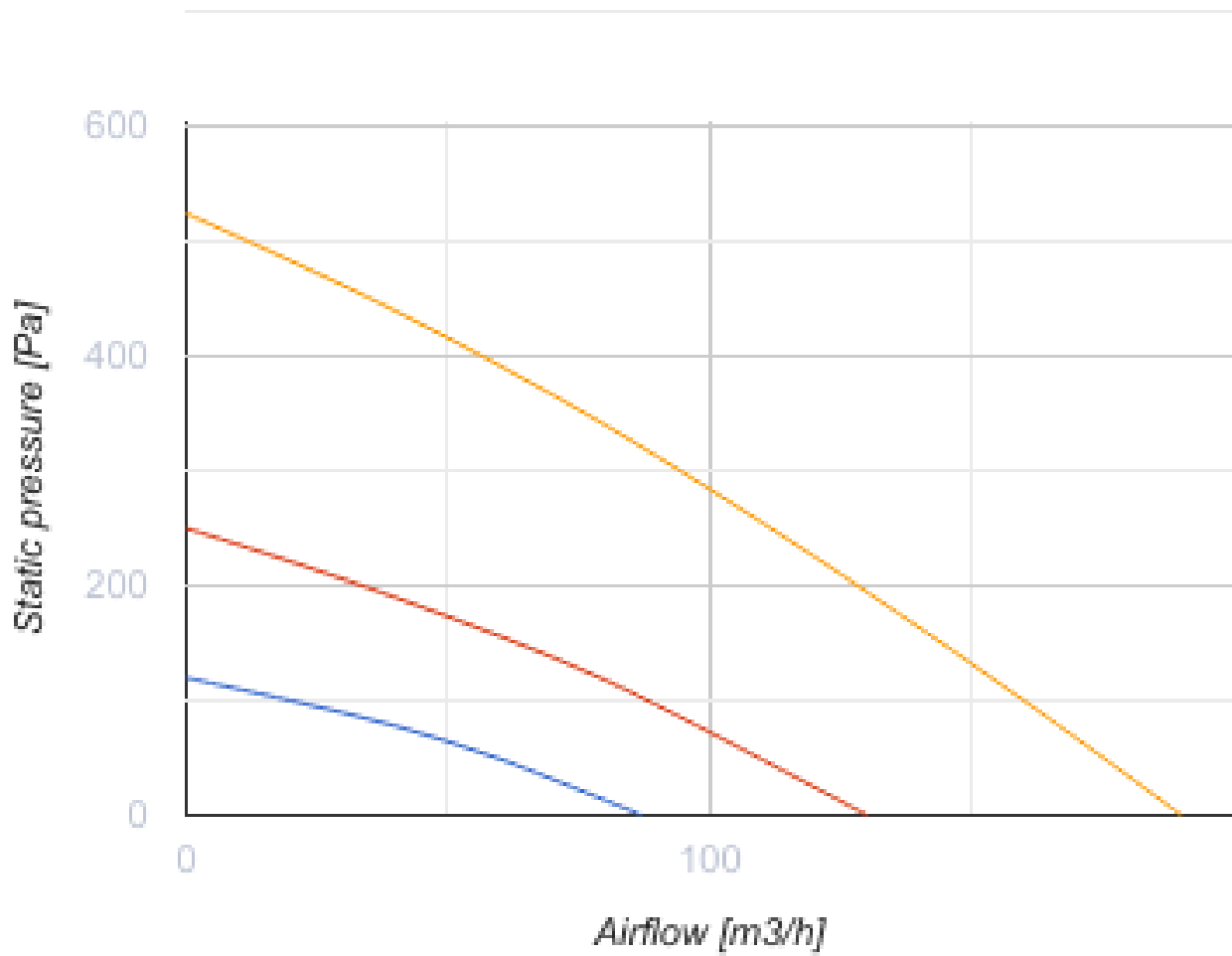
Suspended heat recovery air handling units



- Maximum airflow: 190
- Sound pressure level LpA at 3 m: 26
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: F7
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

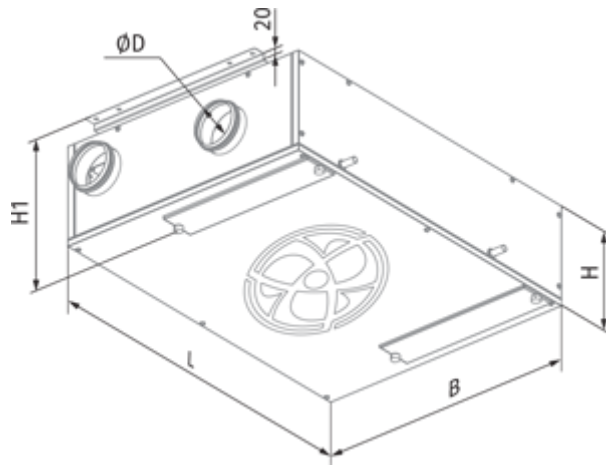
	Unit of measurement	KOMFORT EC DB 160 R S21
Connected air duct size	mm	125
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	50
Unit current	A	0.4
Maximum airflow	m <sup>3</sup> /h	190
Sound pressure level LpA at 3 m	dB(A)	26
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	48
Extract filter	-	G4
Supply filter	-	F7
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	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

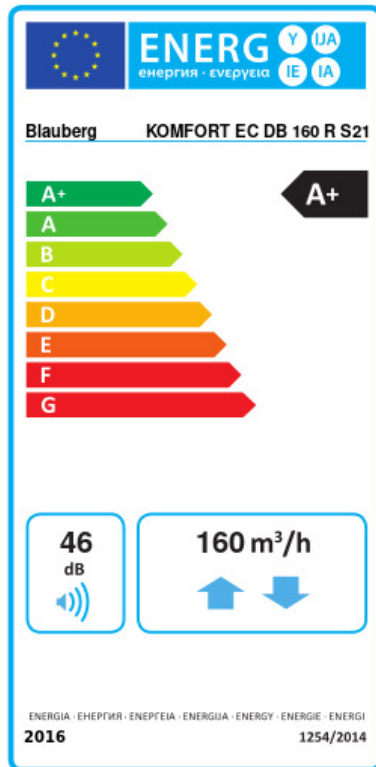


## Dimensions

ØD	B	H	H1	L
125	754	320	361	1008



## Ecodesign




Trademark	Blauberg					
Model	KOMFORT EC DB 160 R S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	80.9	A+	42.5	A+	16.7	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 (m <sup>3</sup> /h)	160					
Electric power input (W)	52					
Reference flow rate (m <sup>3</sup> /s)	0.035					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.205					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	46					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	690		153		108	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8408		4298		1944	




## Accessories

### Other accessories


Name	Photo	Description
FP 403x253x48 G4		G4 panel filter

FP 403x253x48 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 125-0.6-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 125-0.8-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection

<a href="#">EVH 125-1.2-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">ENH 125-0.6-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 125-0.8-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 125-1.2-1 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="#">SD 125/600</a>		Silencers for round ducts
<a href="#">SD 125/900</a>		Silencers for round ducts
<a href="#">SD 125/1200</a>		Silencers for round ducts

### For round ducts

Name	Photo	Description
<a href="#">VKA 125</a>		Air dampers for round ducts

### Electric actuators

Name	Photo	Description
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[Belimo TF230](#)



Electric actuators