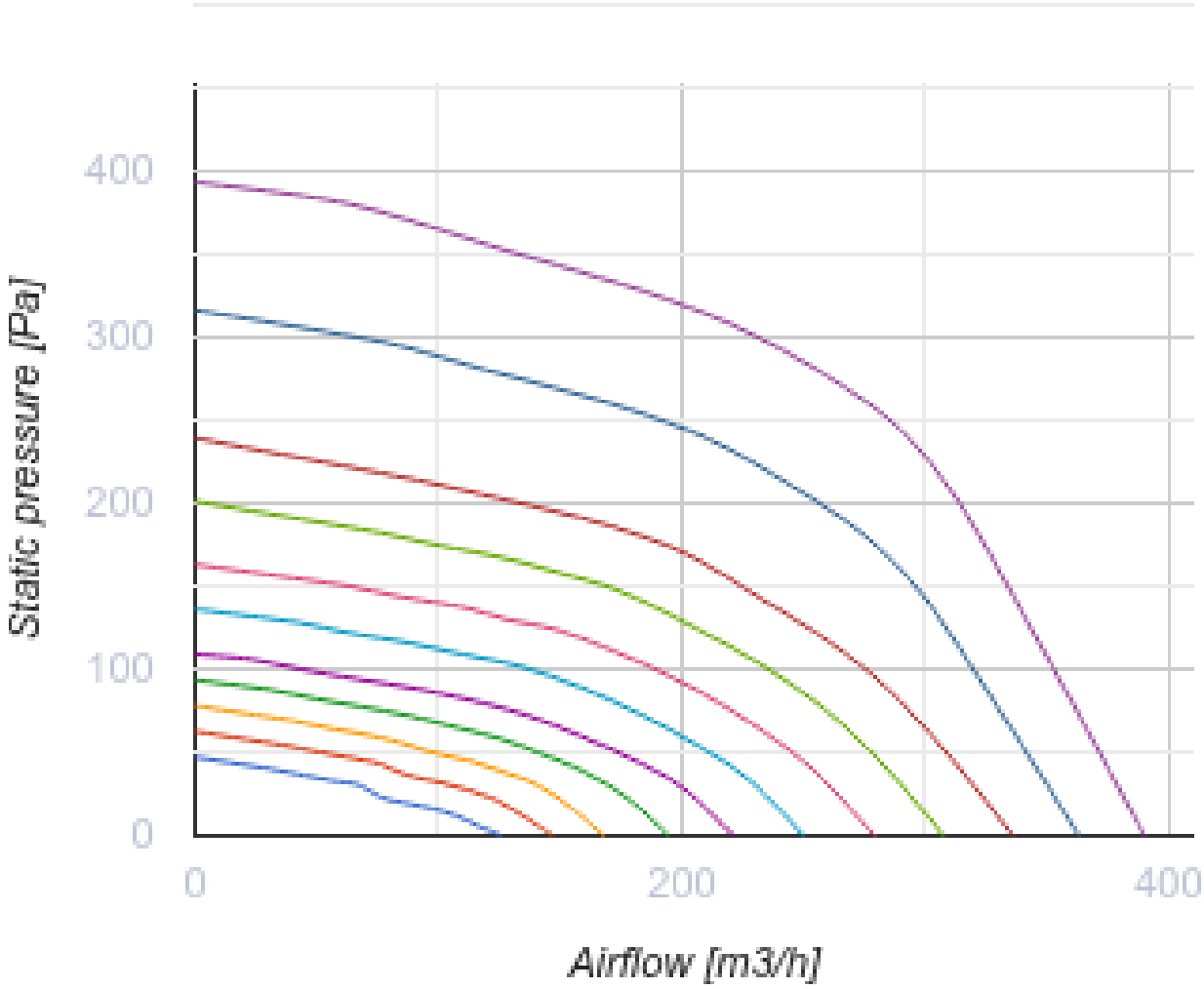


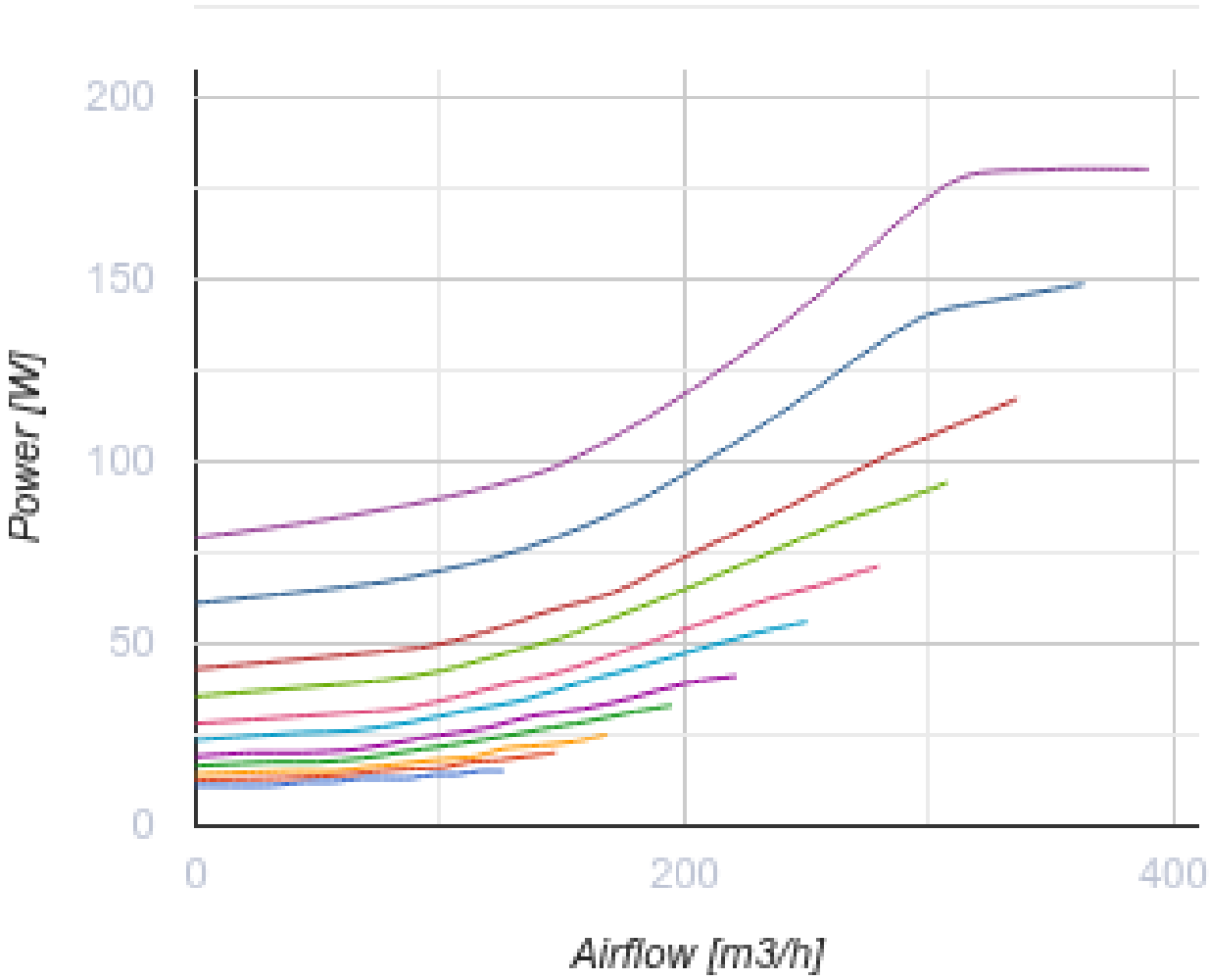
KOMFORT EC SB 250-E R S21

Heat and humidity 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: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

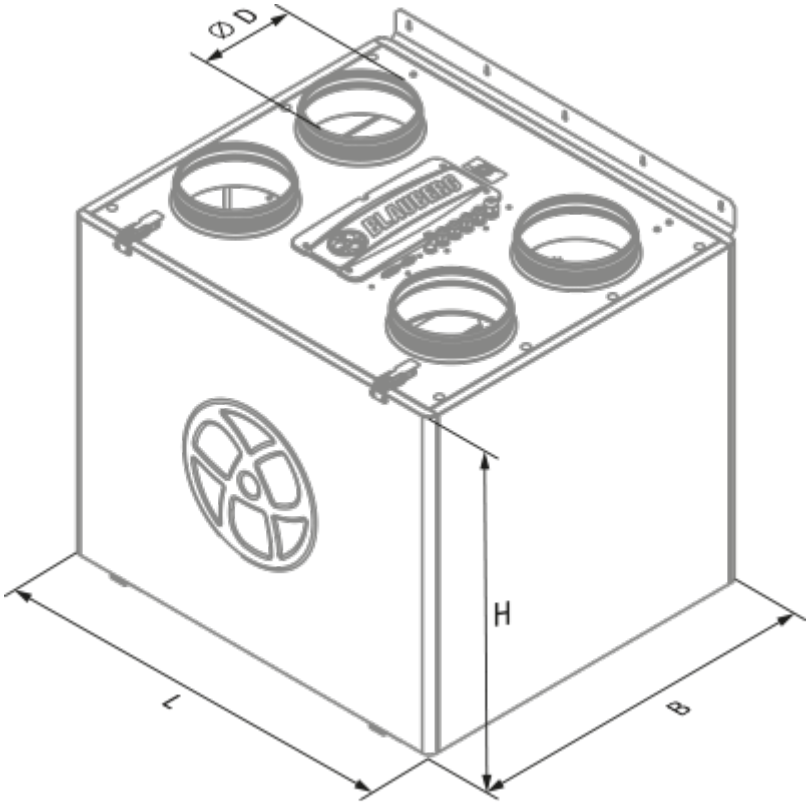
	Unit of measurement	KOMFORT EC SB 250-E R S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Maximum airflow	m³/h	390
Heat recovery efficiency, max	%	90
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	66
Transported 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	-	IP20
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44


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

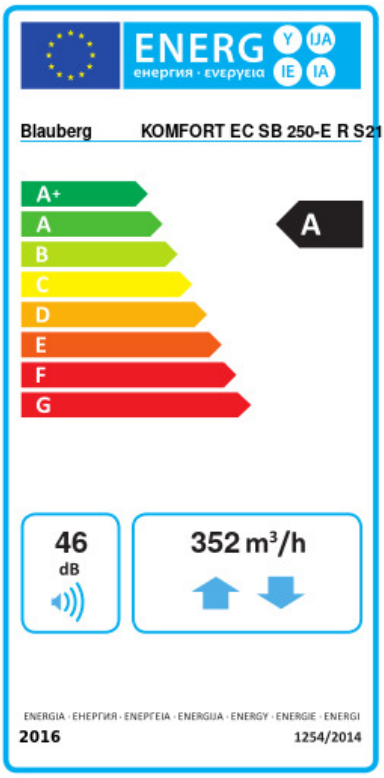


Dimensions

ØD	B	H	L
160	560	970	560


Ø D
H
L
B

Ecodesign



Trademark	Blauberg					
Model	KOMFORT EC SB 250-E R S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-78.5	A+	-41	A	-16.8	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)	352					
Electric power input (W)	180					
Reference flow rate (m³/s)	0.068					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.261					
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))	46					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	720		183		138	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8776		4486		2029	

Accessories

For round ducts

Name	Photo	Description
SD 160/600		Silencers for round ducts
SD 160/900		Silencers for round ducts

SD 160/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VKA 160		Air dampers for round ducts

Electrical heaters

Name	Photo	Description
ENH 160-0.8-1 S21 V.2		Duct heater for supply air reheating
ENH 160-1.2-1 S21 V.2		Duct heater for supply air reheating
ENH 160-1.7-1 S21 V.2		Duct heater for supply air reheating
ENH 160-2.0-1 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 340x170x48 F7		F7 panel filter
FP 340x170x48 G4		G4 panel filter
FP 500x170x48 G4		G4 panel filter

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators