

# KOMFORT EC DBW 550 R S21 DTV

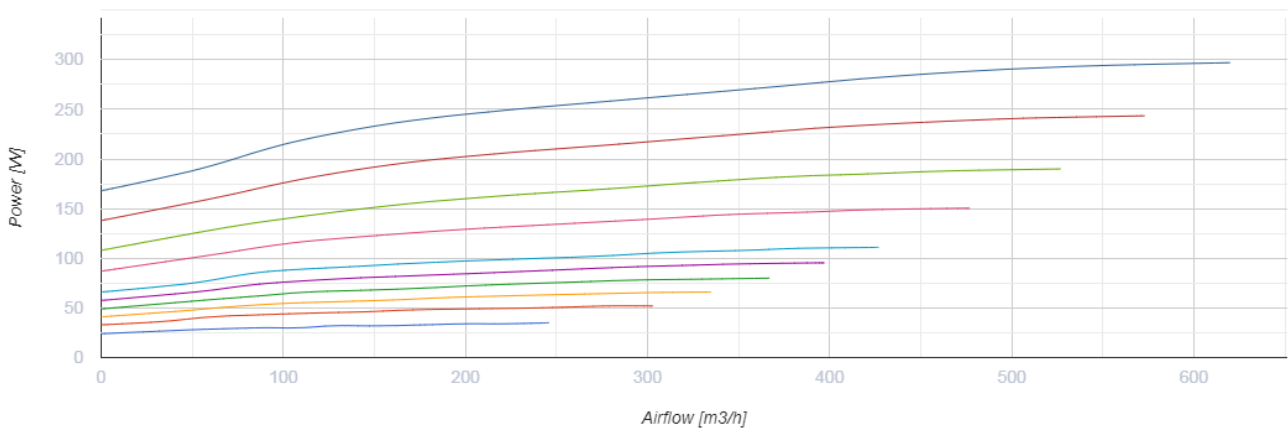
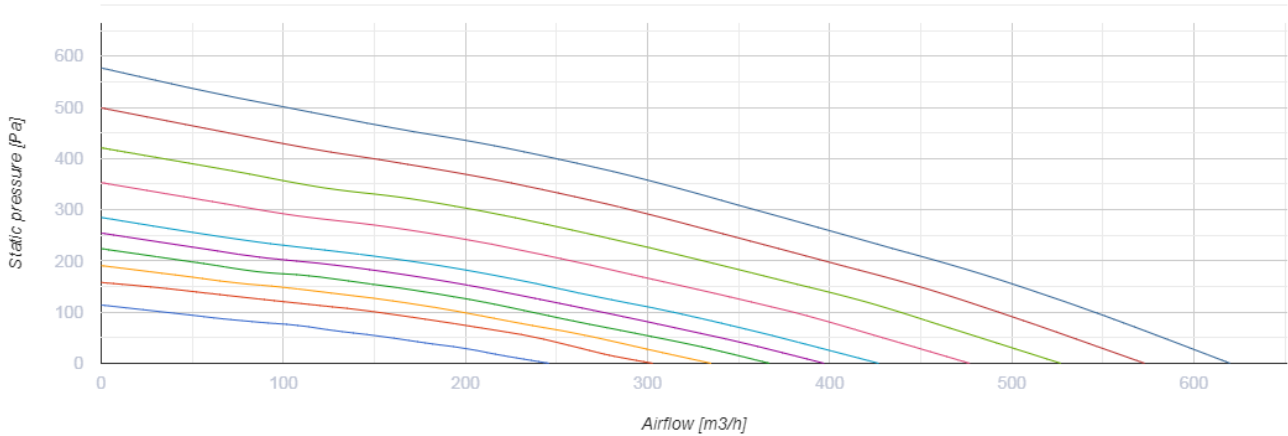
Suspended heat recovery air handling units



- Maximum airflow: 608
- Sound pressure level LpA at 3 m: 30
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 option)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Water
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

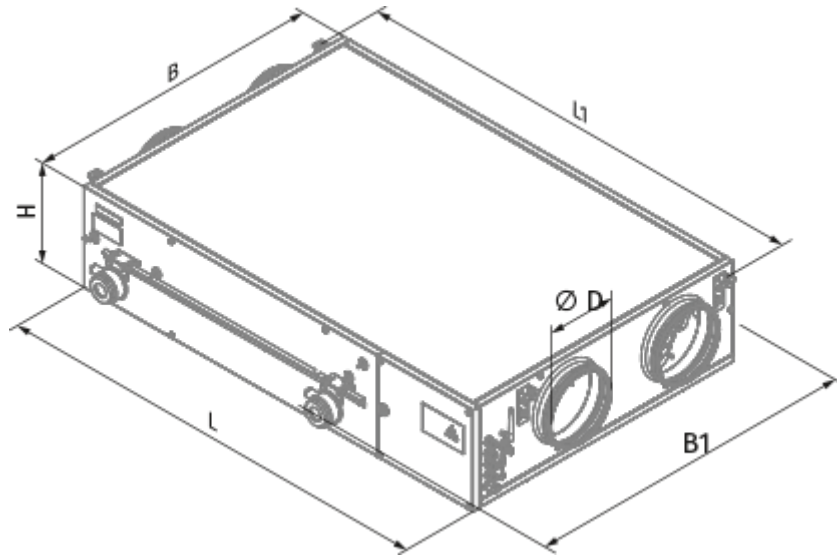
	Unit of measurement	KOMFORT EC DBW 550 R S21 DTV
Connected air duct size	mm	200
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	322
Unit current	A	2.4
Maximum airflow	m <sup>3</sup> /h	608
Sound pressure level LpA at 3 m	dB(A)	30
Heat recovery efficiency, max	%	90
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	68
Extract filter	-	G4
Supply filter	-	G4 (F7 option)
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

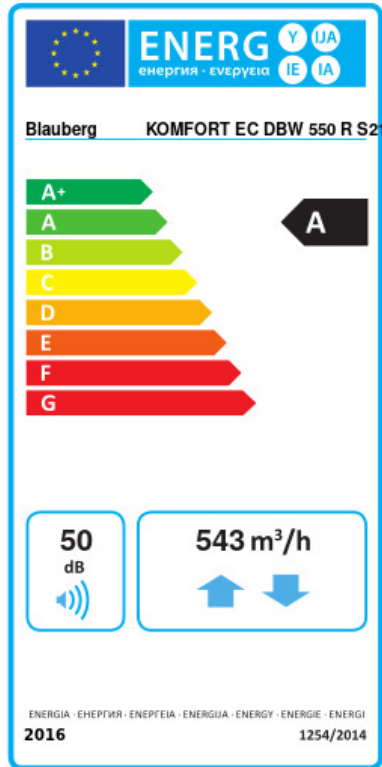


## Dimensions

Ø D	B	B1	H	L	L1
199	827	960	283	1238	1286



## Ecodesign



Trademark	Blauberg					
Model	KOMFORT EC DBW 550 R S21 DTV					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	78.2	A+	40.4	A	16.2	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m <sup>3</sup> /h)	543					
Electric power input (W)	322					
Reference flow rate (m <sup>3</sup> /s)	0.106					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /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	
	8817		4507		2038	




## Accessories

### Other accessories




Name	Photo	Description
FP 782x128x20 G4		G4 panel filter
FPT 392x236x27 G4		

FPT 392x236x27 F7






**Other accessories**









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

**Other accessories**


Name	Photo	Description
<a href="#">FS2</a>		Humidity sensor
<a href="#">CD-1</a>		CO2 sensors
<a href="#">CD-2</a>		CO2 sensors

**Other accessories**




Name	Photo	Description
<a href="#">EVH 200-1.2-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 200-1.7-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 200-2.0-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">WMG 3/4-4</a>		Water mixing units
<a href="#">WMG 3/4-6</a>		Water mixing units

<a href="#">WMG 1-6</a>		Water mixing units
<a href="#">WMG 1-10</a>		Water mixing units
<a href="#">WMG 1 1/4-10</a>		Water mixing units
<a href="#">WMG 1 1/4-16</a>		Water mixing units
<a href="#">WMG 1 1/2-16</a>		Water mixing units
<a href="#">WMG 1 1/2-25</a>		Water mixing units
<a href="#">WMG 2-25</a>		Water mixing units
<a href="#">WMG 2-40</a>		Water mixing units

#### Other accessories

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


#### Other accessories

Name	Photo	Description
<a href="#">SD 200/600</a>		Silencers for round ducts
<a href="#">SD 200/900</a>		Silencers for round ducts
<a href="#">SD 200/1200</a>		Silencers for round ducts

#### Other accessories

Name	Photo	Description
<a href="#">VRV 200</a>		Backdraft dampers with spring for round ducts
<a href="#">VKA 200</a>		Air dampers for round ducts

### Other accessories

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