

# KOMFORT EC LB 400-E S21

Heat recovery air handling units



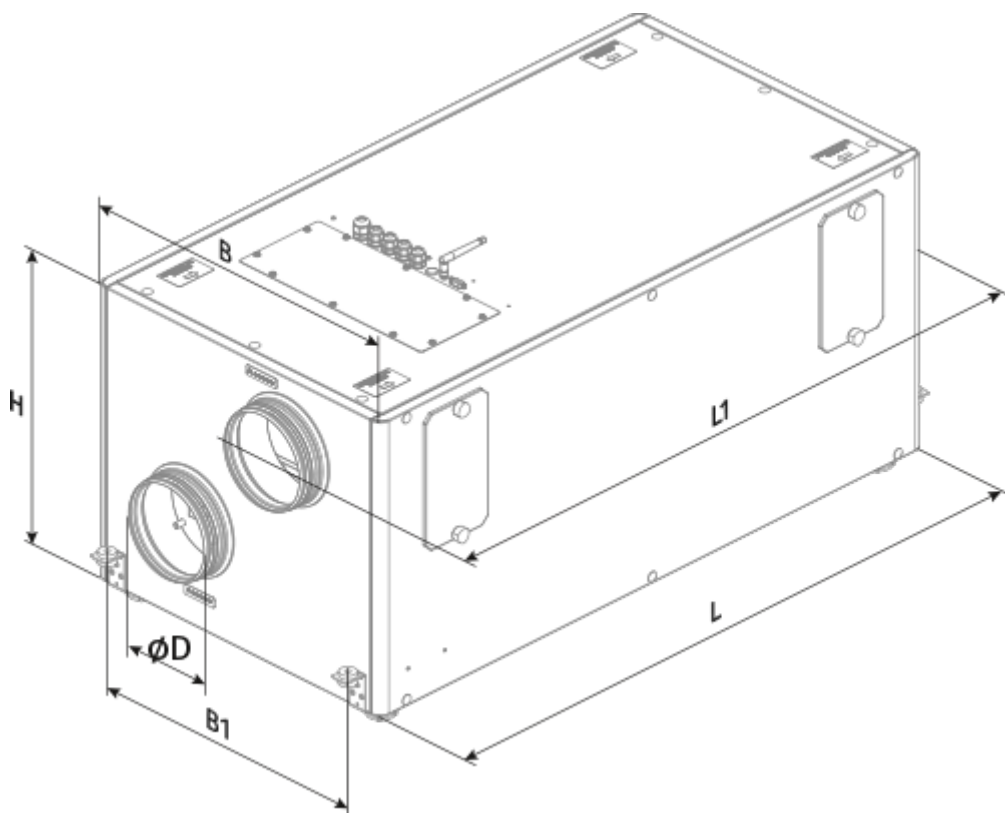
- Maximum airflow: 540
- Sound pressure level LpA at 3 m: 27
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Aluzinc steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	KOMFORT EC LB 400-E S21
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	289
Unit current	A	2.1
Maximum airflow	m <sup>3</sup> /h	540
Sound pressure level LpA at 3 m	dB(A)	27
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	74.8
Extract filter	-	G4
Supply filter	-	G4 + F7
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1

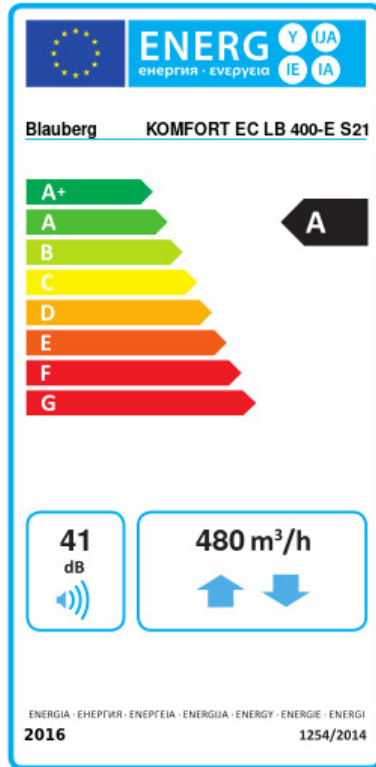
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

## Dimensions

Ø D	B	B1	H	L	L1
197	682	596	504	1094	1191



## Ecodesign




Trademark	Blauberg					
Model	KOMFORT EC LB 400-E S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	79.2	A+	41.3	A	16.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	82					
Maximum flow rate (m <sup>3</sup> /h)	480					
Electric power input (W)	240					
Reference flow rate (m <sup>3</sup> /s)	0.092					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.268					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	41					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	724		187		142	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8857		4528		2047	




## Accessories

### Other accessories


Name	Photo	Description
FP 600x205x48 G4		G4 panel filter

FP 600x205x48 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="#">ENH 200-1.2-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 200-1.7-1 S21 V.2</a>		Duct heater for supply air reheating

<a href="#">ENH 200-2.0-1 S21 V.2</a>		Duct heater for supply air reheating
<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


### For round ducts

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

### For round ducts

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

### Condensation drainage

Name	Photo	Description
<a href="#">CP-2</a>		Drain pump

### Electric actuators

Name	Photo	Description
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[Belimo TF230](#)



Electric actuators