



# KOMFORT EC LB 300-E S21

Heat recovery air handling units

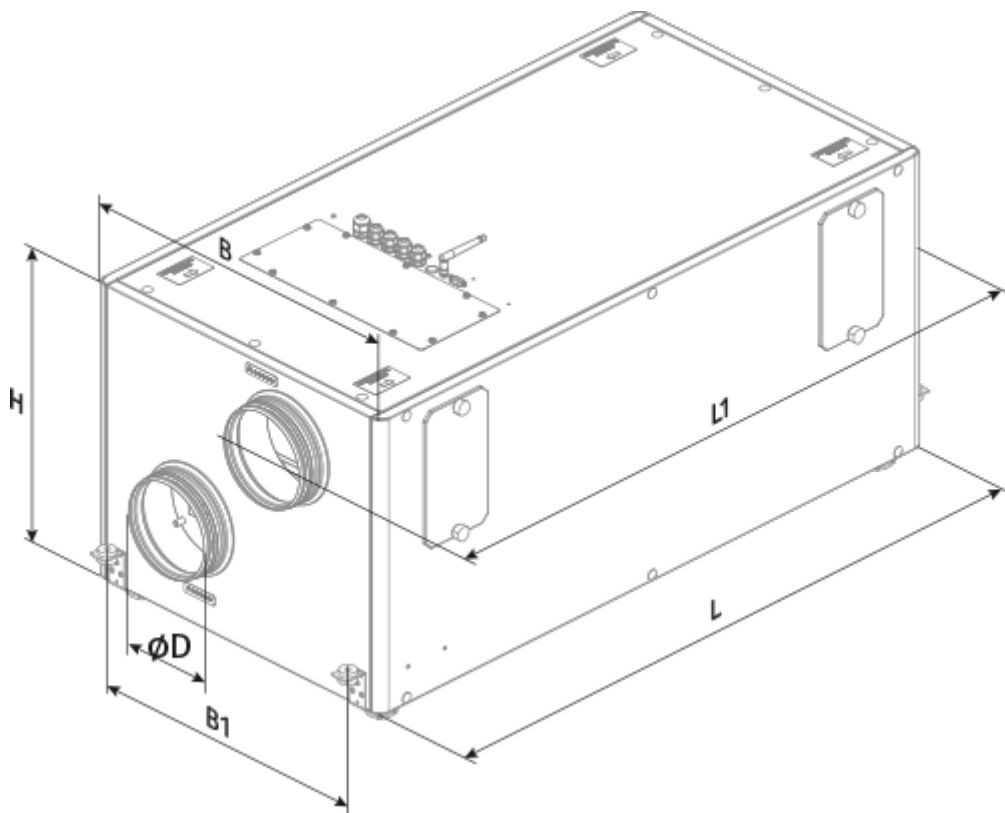
- Maximum airflow: 380
- Sound pressure level LpA at 3 m: 24
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Aluzinc steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	KOMFORT EC LB 300-E 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	182
Unit current	A	1.4
Maximum airflow	m <sup>3</sup> /h	380
Sound pressure level LpA at 3 m	dB(A)	24
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	63.1
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

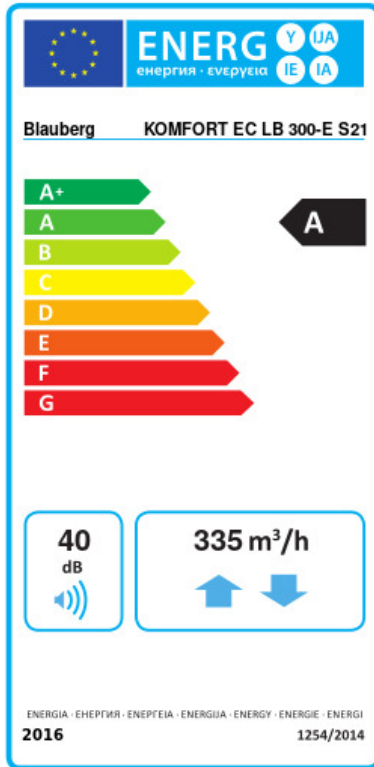
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

## Dimensions

Ø D	B	B1	H	L	L1
157	566	480	479	1083	1180



## Ecodesign




Trademark	Blauberg					
Model	KOMFORT EC LB 300-E S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	78.4	A+	40.9	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 (m <sup>3</sup> /h)	335					
Electric power input (W)	155					
Reference flow rate (m <sup>3</sup> /s)	0.064					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.265					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	40					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	722		185		140	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8776		4486		2029	




## Accessories

### Other accessories


Name	Photo	Description
FP 484x178x48 G4		G4 panel filter

FP 484x178x48 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 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
<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

#### For round ducts

Name	Photo	Description
<a href="#">SD 160/600</a>		Silencers for round ducts
<a href="#">SD 160/900</a>		Silencers for round ducts
<a href="#">SD 160/1200</a>		Silencers for round ducts

#### For round ducts


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

#### Condensation drainage

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

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