

# KOMFORT EC LB 700-E S21

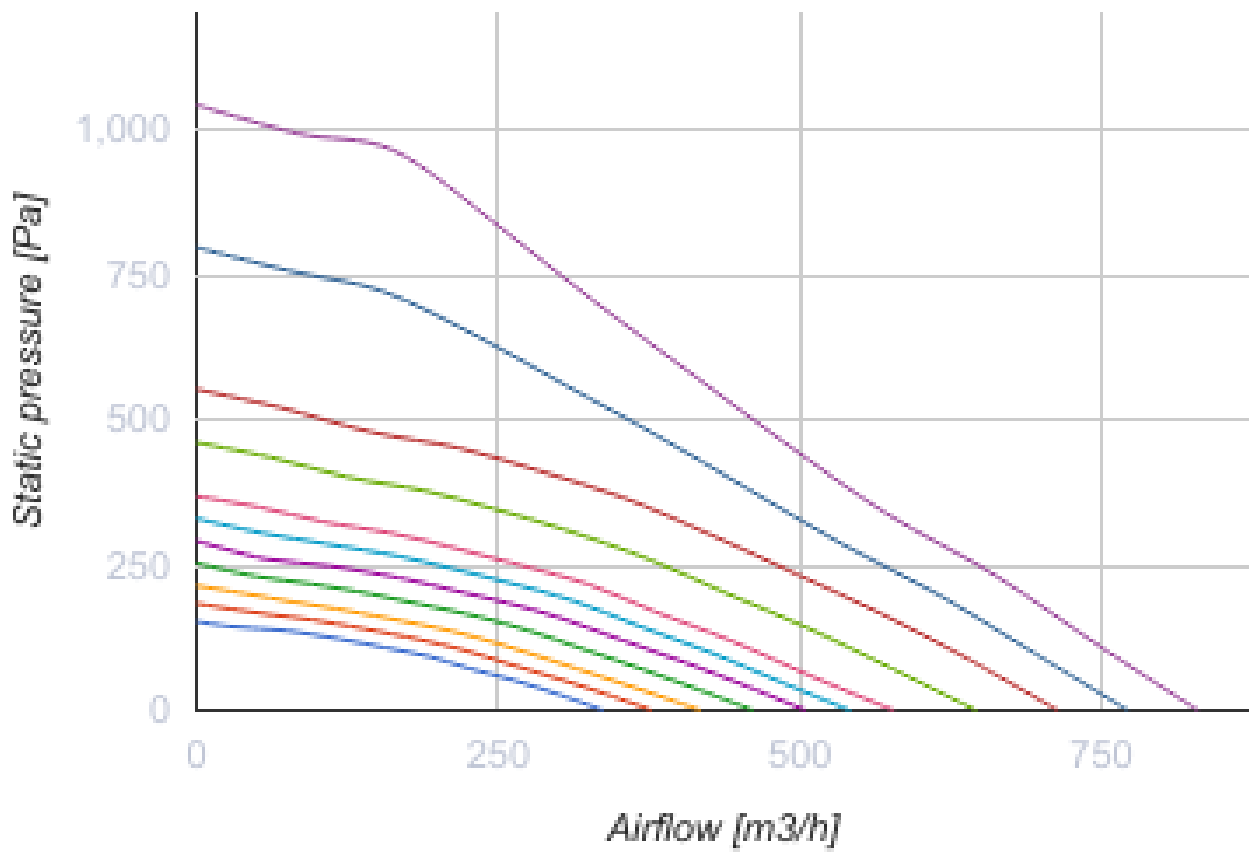
Heat recovery air handling units

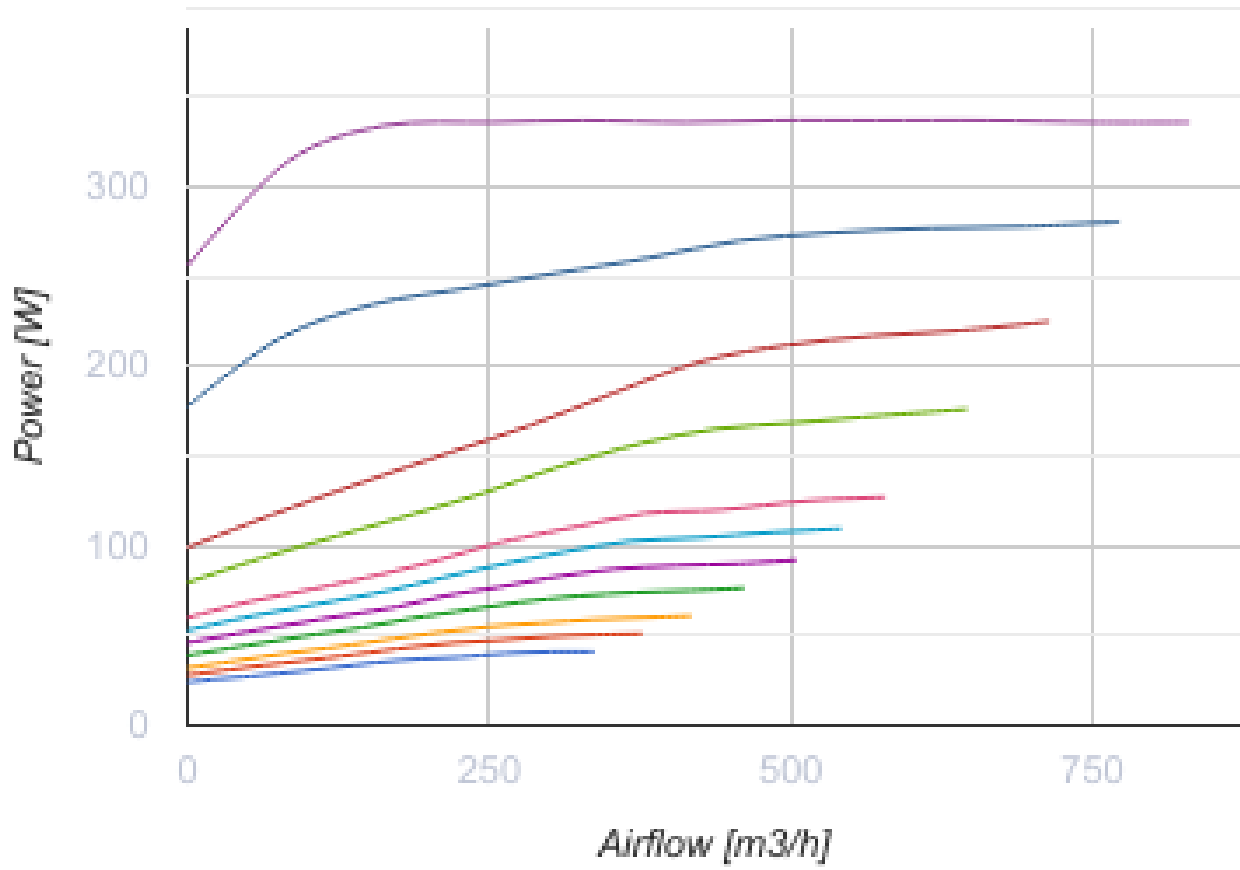


- Maximum airflow: 830
- Sound pressure level LpA at 3 m: 31
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Aluzinc steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	KOMFORT EC LB 700-E S21
Connected air duct size	mm	250
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	336
Unit current	A	2.4
Maximum airflow	m <sup>3</sup> /h	830
Sound pressure level LpA at 3 m	dB(A)	31
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	107
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

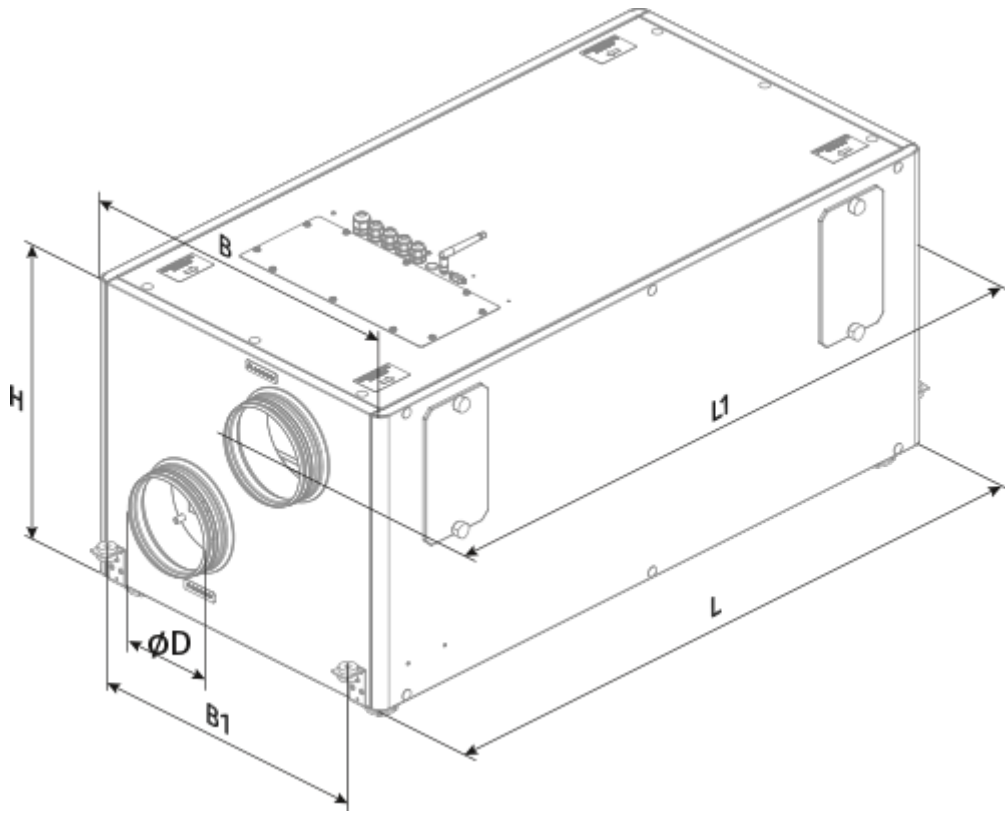
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



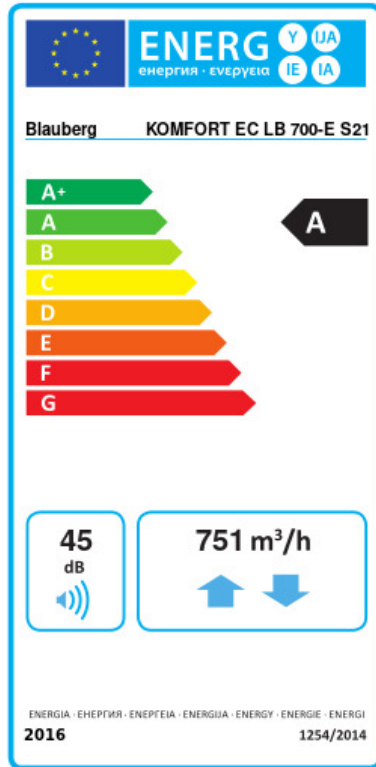


## Dimensions

Ø D	B	B1	H	L	L1
247	866	700	601	1282	1379



## Ecodesign







Trademark	Blauberg					
Model	KOMFORT EC LB 700-E S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	77.9	A+	40.8	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 (%)	78					
Maximum flow rate (m <sup>3</sup> /h)	751					
Electric power input (W)	336					
Reference flow rate (m <sup>3</sup> /s)	0.143					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.243					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	45					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	710		173		128	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8695		4445		2010	


## Accessories

### Electrical heaters



Name	Photo	Description
<a href="#">EVH 250-1.2-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">ENH 250-1.2-1 S21 V.2</a>		Duct heater for supply air reheating

<a href="#">ENH 250-2.0-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 250-3.0-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">EVH 250-2.0-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection
<a href="#">EVH 250-3.0-1 S21 V.2</a>		Electric duct preheater for heat exchanger freeze protection



### Humidity sensors

Name	Photo	Description
<a href="#">FS2</a>		Humidity sensor

### Other accessories



Name	Photo	Description
FP 784x253x48 F7		F7 panel filter
FP 784x253x48 G4		G4 panel filter

### 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
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### CO2 sensors

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

### For round ducts

Name	Photo	Description
<a href="#">SD 250/600</a>		Silencers for round ducts
<a href="#">SD 250/900</a>		Silencers for round ducts
<a href="#">SD 250/1200</a>		Silencers for round ducts

### For round ducts

Name	Photo	Description
<a href="#">VRV 250</a>		Backdraft dampers with spring for round ducts
<a href="#">VKA 250</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