

KOMFORT EC LBE 700-E S21

Heat recovery air handling units



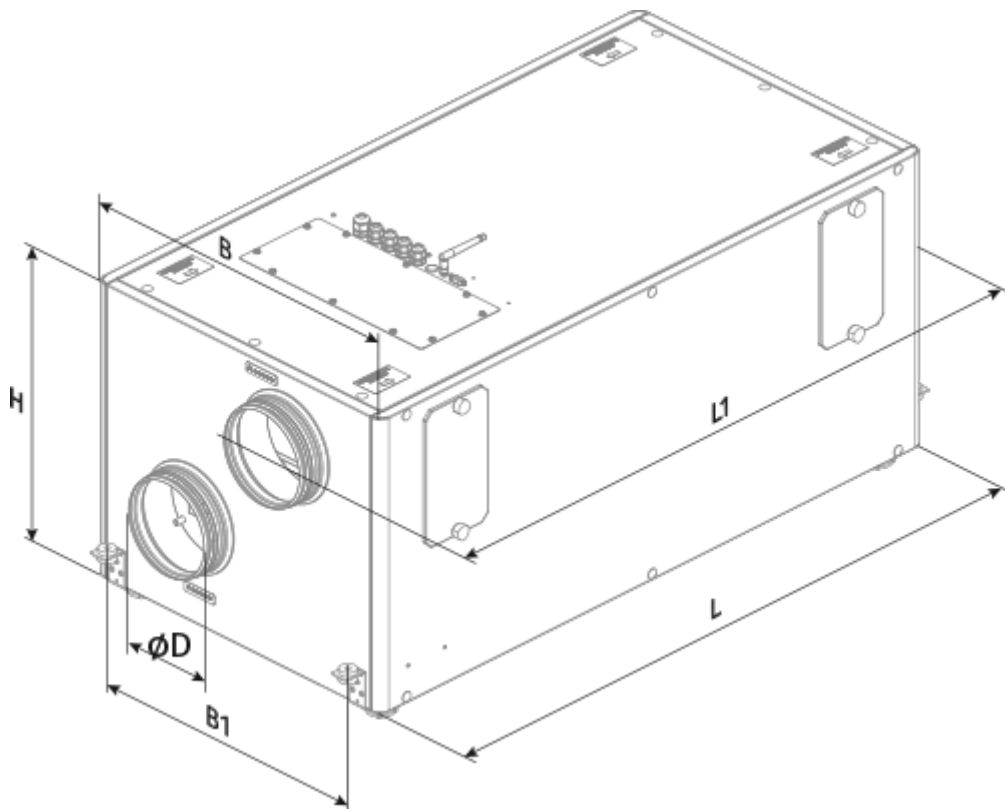
- Power of electrical reheater: 3600
- Maximum airflow: 830
- Sound pressure level LpA at 3 m: 31
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 + F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Electric
- Preheater: Optional
- 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 LBE 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
Power of electrical reheater	W	3600
Unit current	A	18
Maximum airflow	m ³ /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	108.4
Extract filter	-	G4
Supply filter	-	G4 + F7
Transported air temperature (max)	°C	40

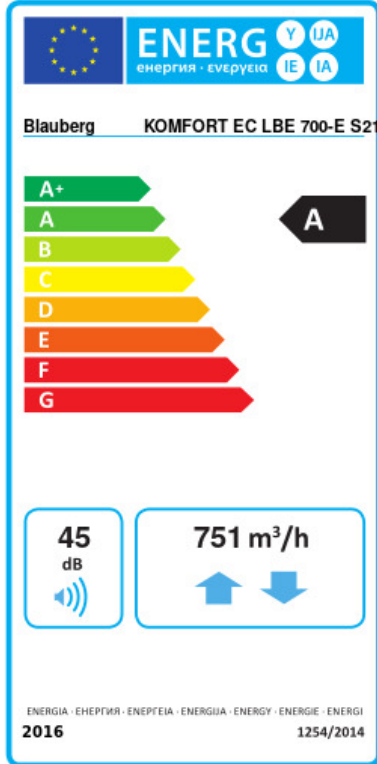
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

Dimensions

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



Ecodesign




Trademark	Blauberg		
Model	KOMFORT EC LBE 700-E S21		
Specific energy consumption (SEC) (kWh/(m ² /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 ³ /h)	751		
Electric power input (W)	336		
Reference flow rate (m ³ /s)	0.143		
Reference pressure difference (Pa)	50		
Specific power input (SPI) (W/(m ³ /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

Other accessories

Name	Photo	Description
FP 784x253x48 G4		G4 panel filter

FP 784x253x48 F7		F7 panel filter
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Control Panels

Name	Photo	Description
S22		Control panels
S22 Wi-Fi		Control panels
S25		LCD control panel



Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

CO2 sensors




Name	Photo	Description
CD-1		CO2 sensors
CD-2		CO2 sensors

Electrical heaters

Name	Photo	Description
EVH 250-1.2-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
EVH 250-2.0-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection

EVH 250-3.0-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
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For round ducts

Name	Photo	Description
SD 250/600		Silencers for round ducts
SD 250/900		Silencers for round ducts
SD 250/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VRV 250		Backdraft dampers with spring for round ducts
VKA 250		Air dampers for round ducts

Condensation drainage

Name	Photo	Description
CP-2		Drain pump

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators