

KOMFORT ERV EC DB 150 R S14

Suspended heat and energy recovery air handling units



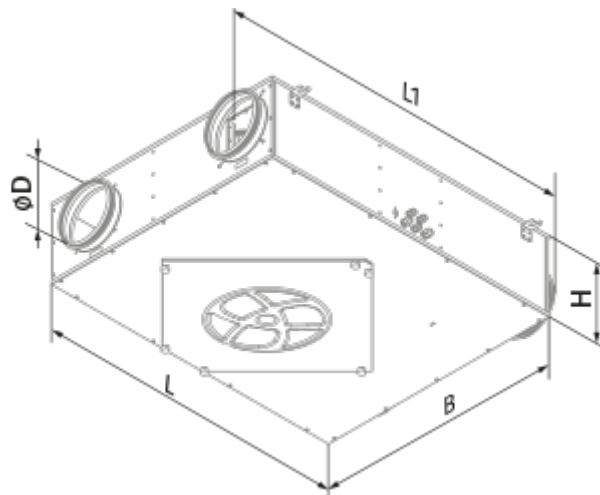
- Maximum airflow: 215
- Sound pressure level LpA at 3 m: 32
- Heat exchanger type: Cross flow
- Extract filter: G4
- Supply filter: G4 + F8 (PM2.5 > 93 %)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Manual
- Control: Wired control panel
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional

	Unit of measurement	KOMFORT ERV EC DB 150 R S14
Connected air duct size	mm	100
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	83
Unit current	A	0.7
Maximum airflow	m ³ /h	215
Sound pressure level LpA at 3 m	dB(A)	32
Heat recovery efficiency, max	%	82
Heat exchanger type	-	Cross flow
Heat exchanger material	-	Enthalpy
Weight	kg	26
Extract filter	-	G4
Supply filter	-	G4 + F8 (PM2.5 > 93 %)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-5
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60

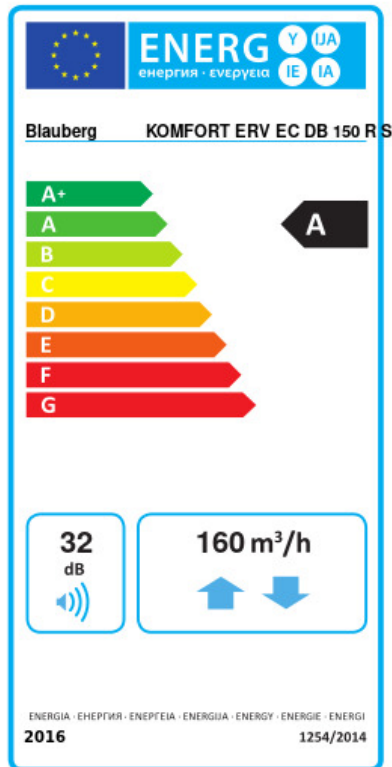
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

Dimensions

D	B	H	L	L1
100	704	222	854	987



Ecodesign






Trademark	Blauberg		
Model	KOMFORT ERV EC DB 150 R S14		
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold	Average	Warm
	75.8 A+	39.3 A	15.7 E
Type of ventilation unit	Bidirectional		
Type of drive installed	Variable speed		
Type of heat recovery system	Recuperative		
Thermal efficiency of heat recovery (%)	75		
Maximum flow rate (m ³ /h)	160		
Electric power input (W)	73		
Reference flow rate (m ³ /s)	0.033		
Reference pressure difference (Pa)	50		
Specific power input (SPI) (W/(m ³ /h))	0.308		
Control typology	Local demand control		
Maximum internal leakage rates (%)	2.7		
Maximum external leakage rates (%)	2.7		
Sound power level (dB(A))	32		
Declared typology	RVU BVU		
The annual electricity consumption (AEC) (kWh/a)	Cold	Average	Warm
	745	208	163
The annual heating saved (AHS) (kWh/a)	Cold	Average	Warm
	8574	4383	1982

Accessories


Other accessories

Name	Photo	Description
FP 300x220x48 G4		G4 panel filter
FP 300x220x48 F8		

Other accessories

Name	Photo	Description
FS2		Humidity sensor
CD-1		CO2 sensors
CD-2		CO2 sensors

Other accessories

Name	Photo	Description
VKA 100		Air dampers for round ducts