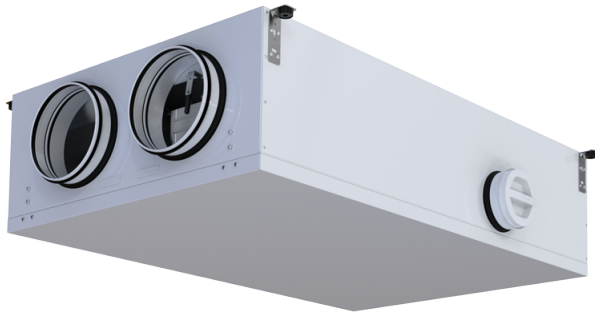


KOMFORT Roto EC DE 651-E L S21

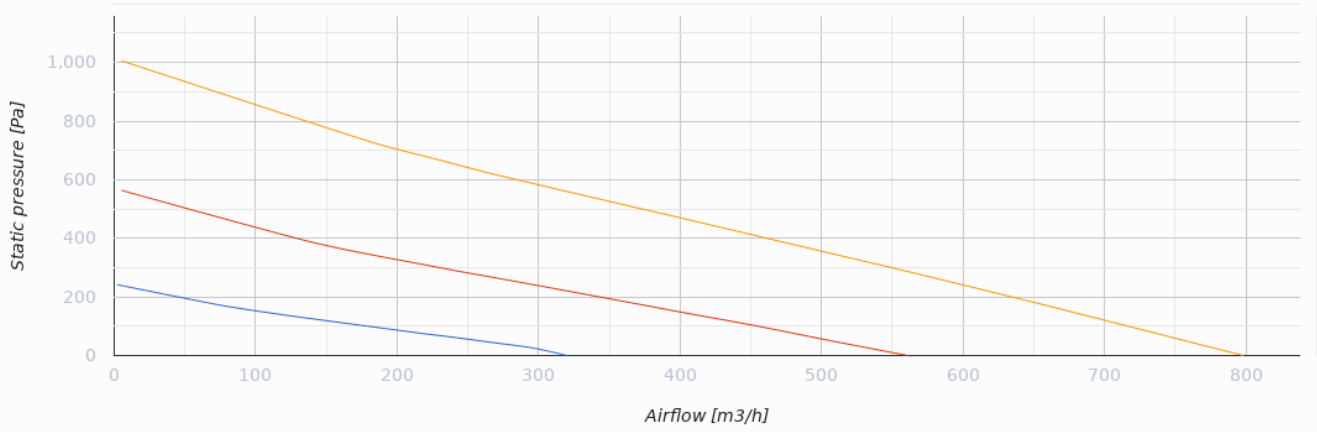
Air handling units with rotary heat exchanger



- Power of electrical reheater: 1400
- Sound pressure level LpA at 3 m: 31
- Heat exchanger type: Sorption rotary
- Extract filter: G4 / Coarse > 60%
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%)
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- CO2 sensor: Optional
- PM2.5 sensor: Optional

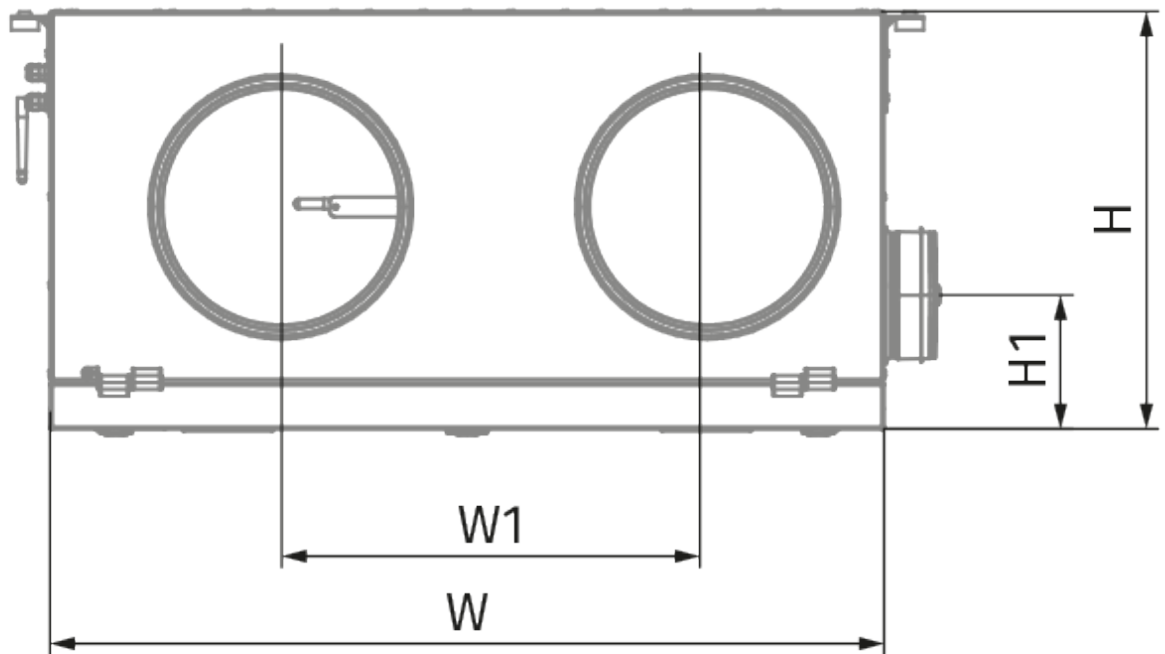
	Unit of measurement	KOMFORT Roto EC DE 651-E L S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	377
Power of electrical reheater	W	1400
Unit current	A	8.79
Maximum airflow	m ³ /h	798
Sound pressure level LpA at 3 m	dB(A)	31
Heat recovery efficiency, max	%	84
Heat exchanger type	-	Sorption rotary
Weight	kg	104
Extract filter	-	G4 / Coarse > 60%
Supply filter	-	G4 / Coarse > 60% (option F7 / ePM1 60%)
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

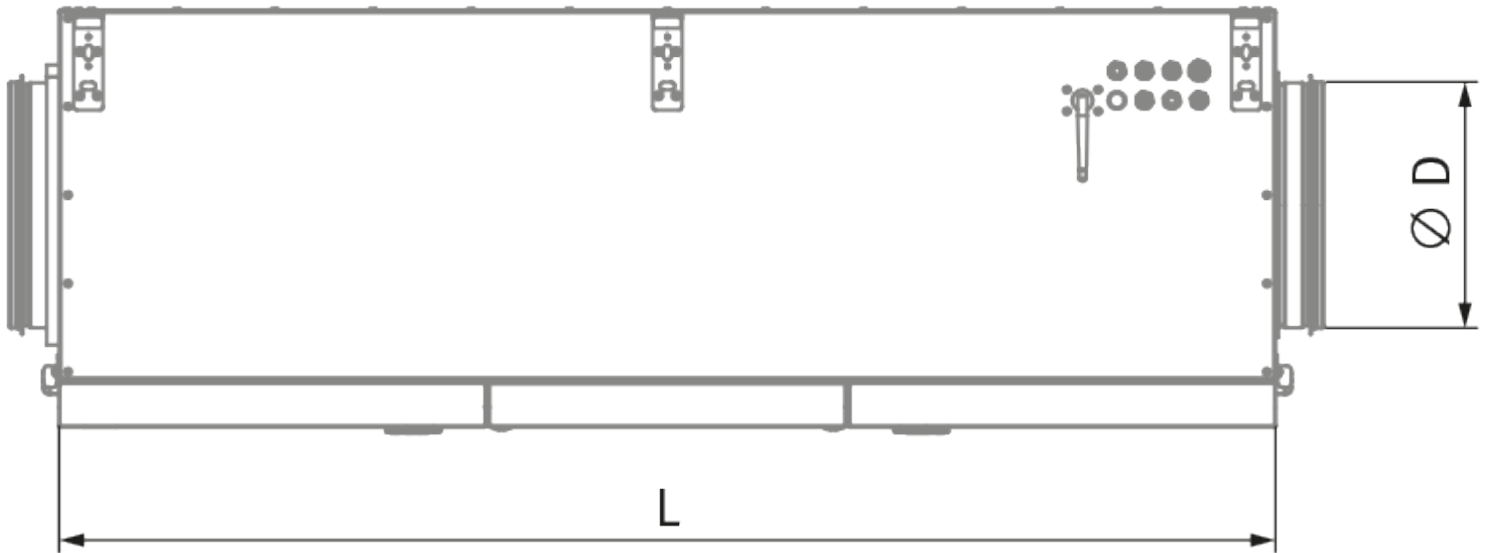
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

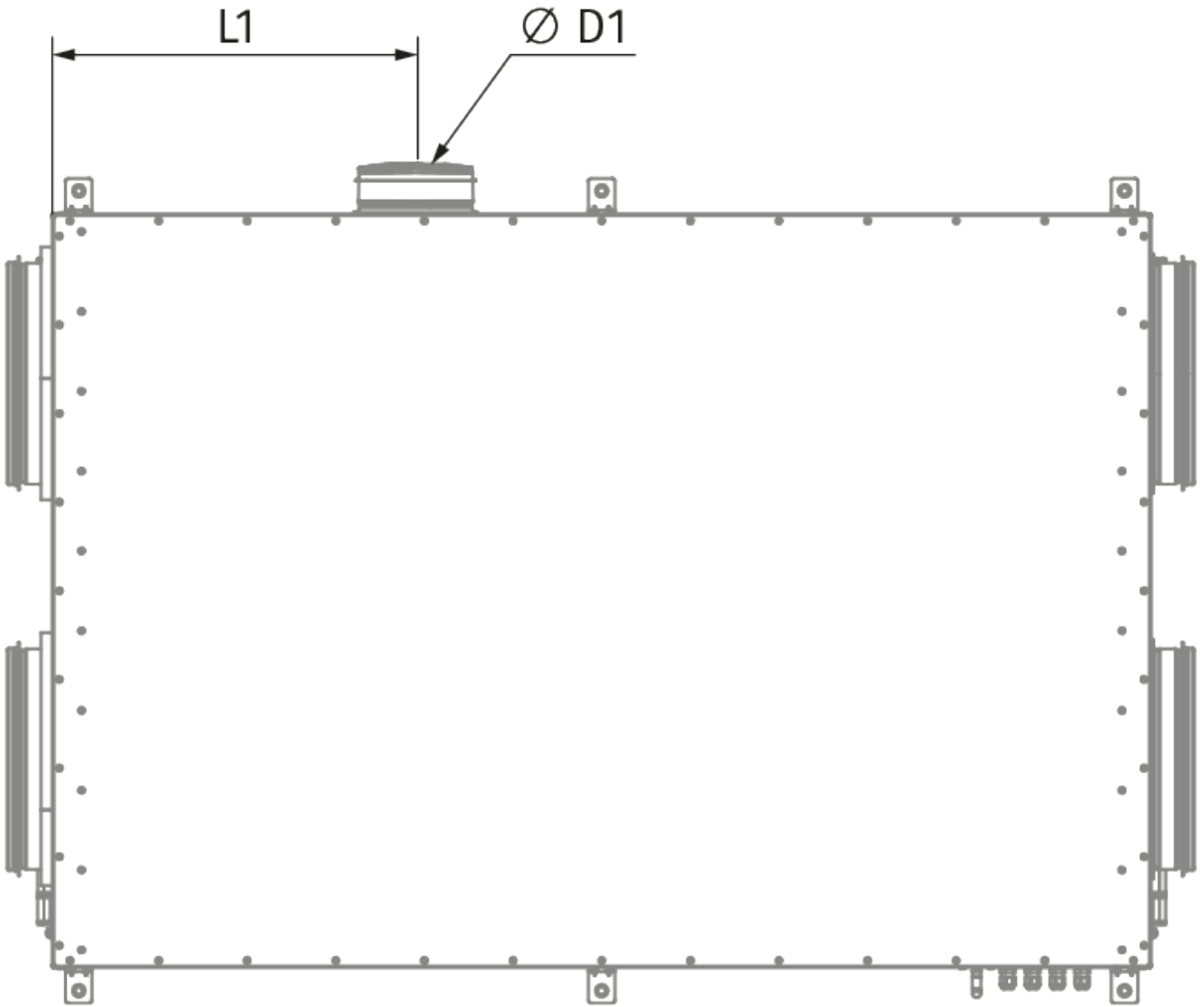


Dimensions

Ø D	Ø D1	H	H1	L	L1	W / B	W1 / B1
250	125	425	136	1240	410	850	435









Ecodesign

Trademark	Blauberg					
Model	KOMFORT Roto EC DE 651-E L S21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	-84.5	A+	-41.4	A	-16.7	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m ³ /h)	716					
Electric power input (W)	345					
Reference flow rate (m ³ /s)	0.141					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.275					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	51					
The annual electricity consumption (AEC) (kWh/a)	Cold	Average		Warm		
	145	145		145		
The annual heating saved (AHS) (kWh/a)	Cold	Average		Warm		
	8817	4507		2038		

Accessories

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
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For round ducts

Name	Photo	Description
VKA 250		Air dampers for round ducts

Control Panels

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

CO2 sensors

Name	Photo	Description
CD-1		CO2 sensors
CD-3		Carbon dioxide sensor

Humidity sensors



Name	Photo	Description
FS2		Humidity sensor

Electric actuators

Name	Photo	Description
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Belimo TF230		Electric actuators
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Other accessories

Name	Photo	Description
FP 377x330x48 ePM1 60% F7		F7 panel filter
FP 377x330x48 Coarse 90% G4		G4 panel filter