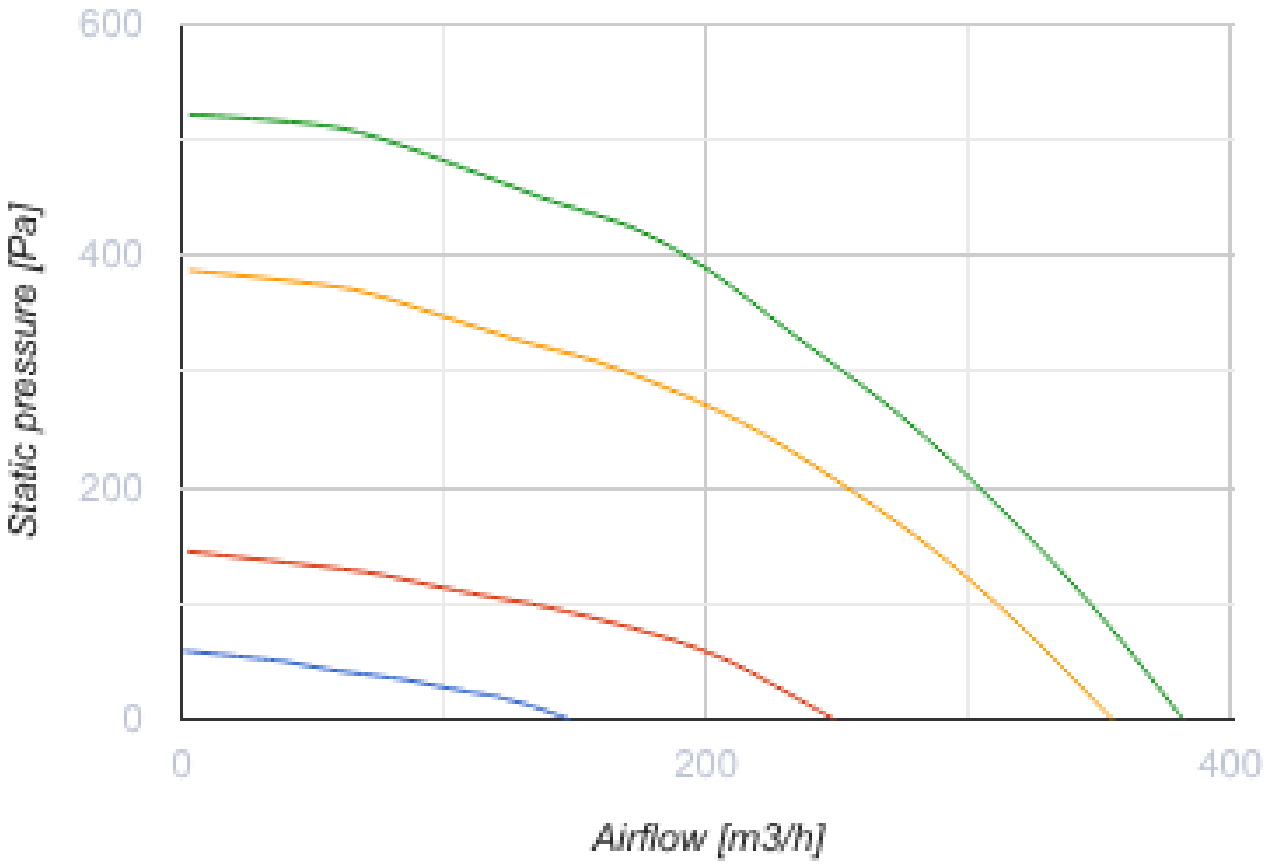


KOMFORT Roto EC S 281-E R S21

Air handling units with rotary heat exchanger

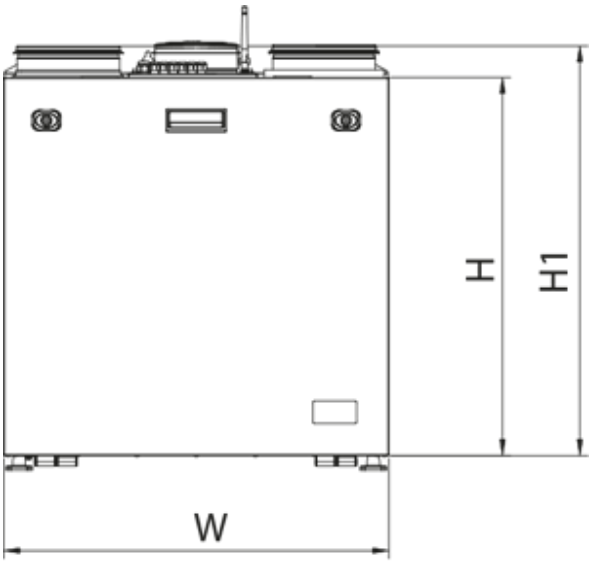
- Heat exchanger type: Sorption rotary
- Sound-insulated casing
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

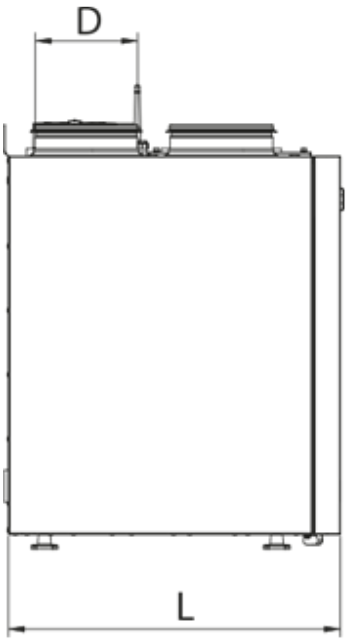
	Unit of measurement	KOMFORT Roto EC S 281-E R S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Maximum airflow	m³/h	382
Heat recovery efficiency, max	%	86
Heat exchanger type	-	Sorption rotary
Weight	kg	57
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44

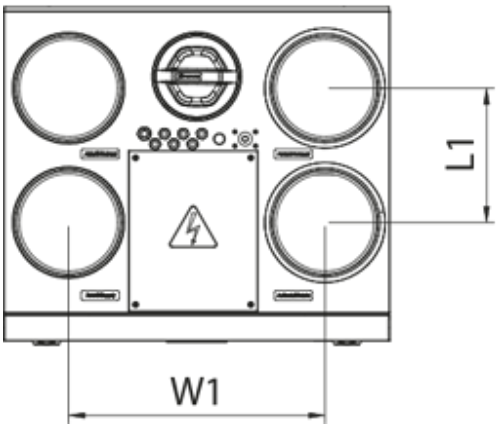


Dimensions

H	W	L	H1	W1	L1	D
588	598	515	638	397	209	160


H
H1
W


D
L


L1
W1

Ecodesign

Trademark	Blauberg					
Model	KOMFORT Roto EC S 281-E R S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-86.2	A+	-42.5	A+	-17.5	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	84					
Maximum flow rate (m³/h)	311					
Electric power input (W)	133					
Reference flow rate (m³/s)	0.061					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.239					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	47					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	126		126		126	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8938		4569		2066	

Accessories

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

Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators

Other accessories

Name	Photo	Description
FP 428x220x40 ePM1 60% F7		F7 panel filter
FP 428x220x40 Coarse 90% G4		G4 panel filter