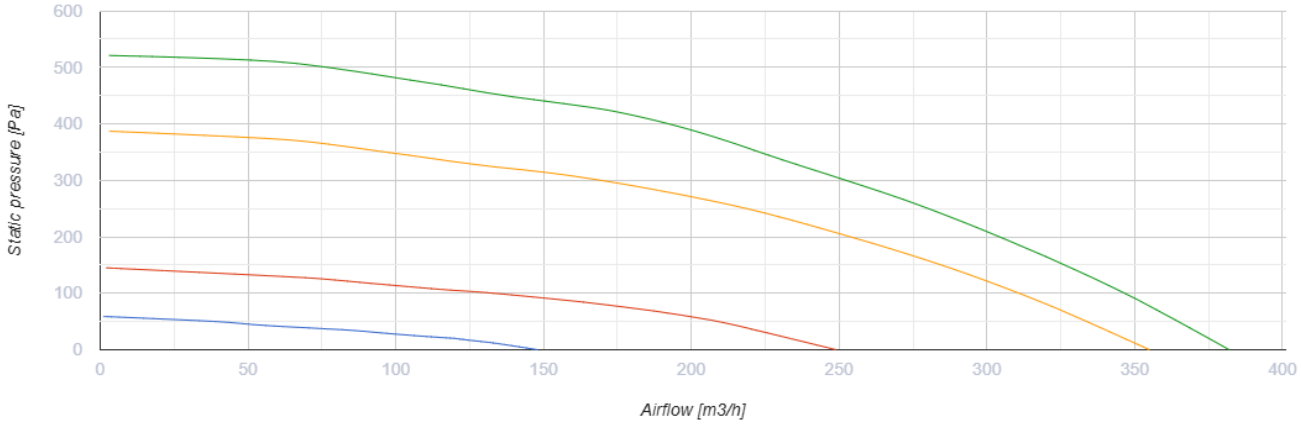


KOMFORT Roto EC SE 281-E R S21

Air handling units with rotary heat exchanger

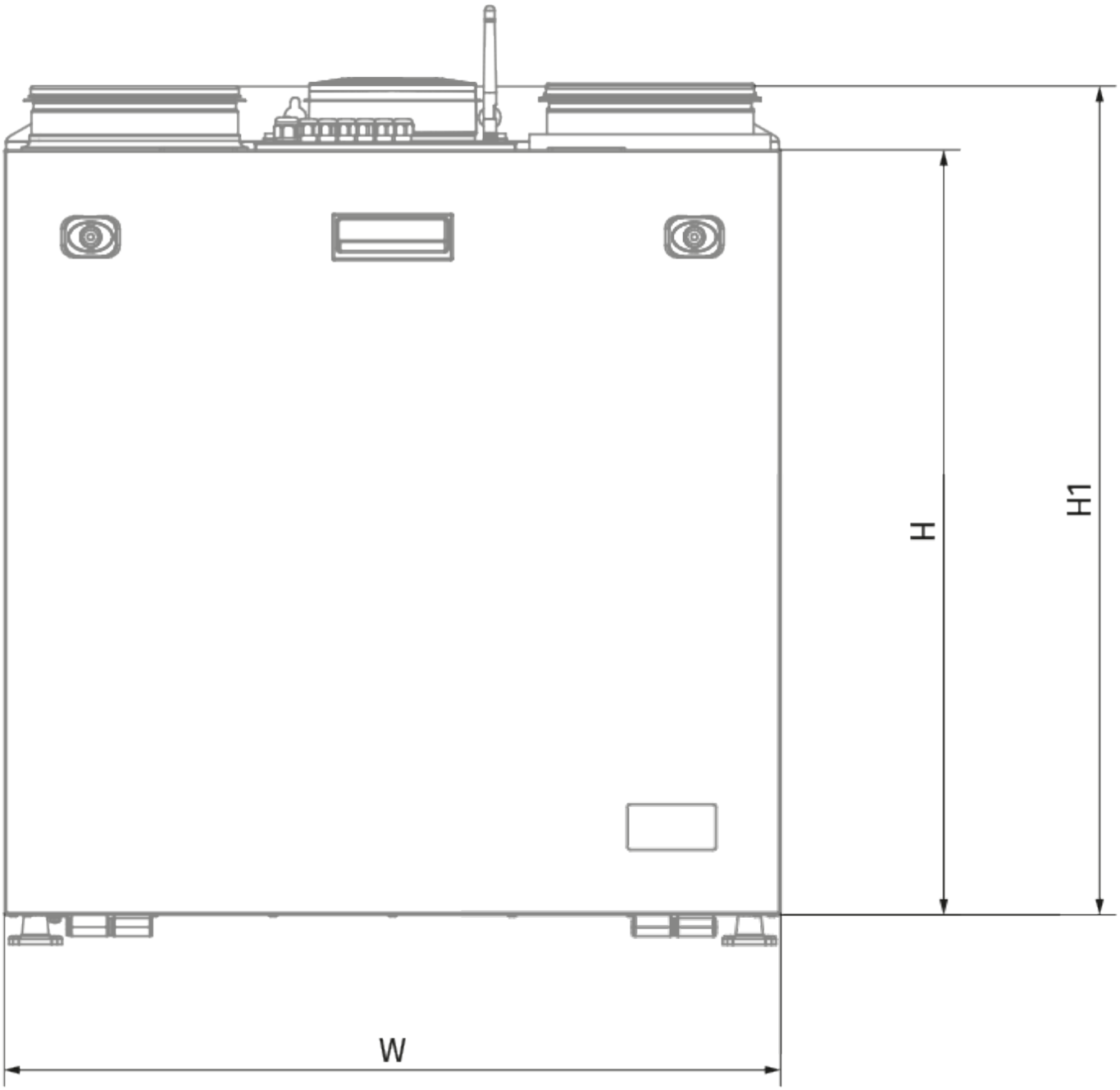
- Power of electrical reheater: 1200
- Heat exchanger type: Sorption rotary
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

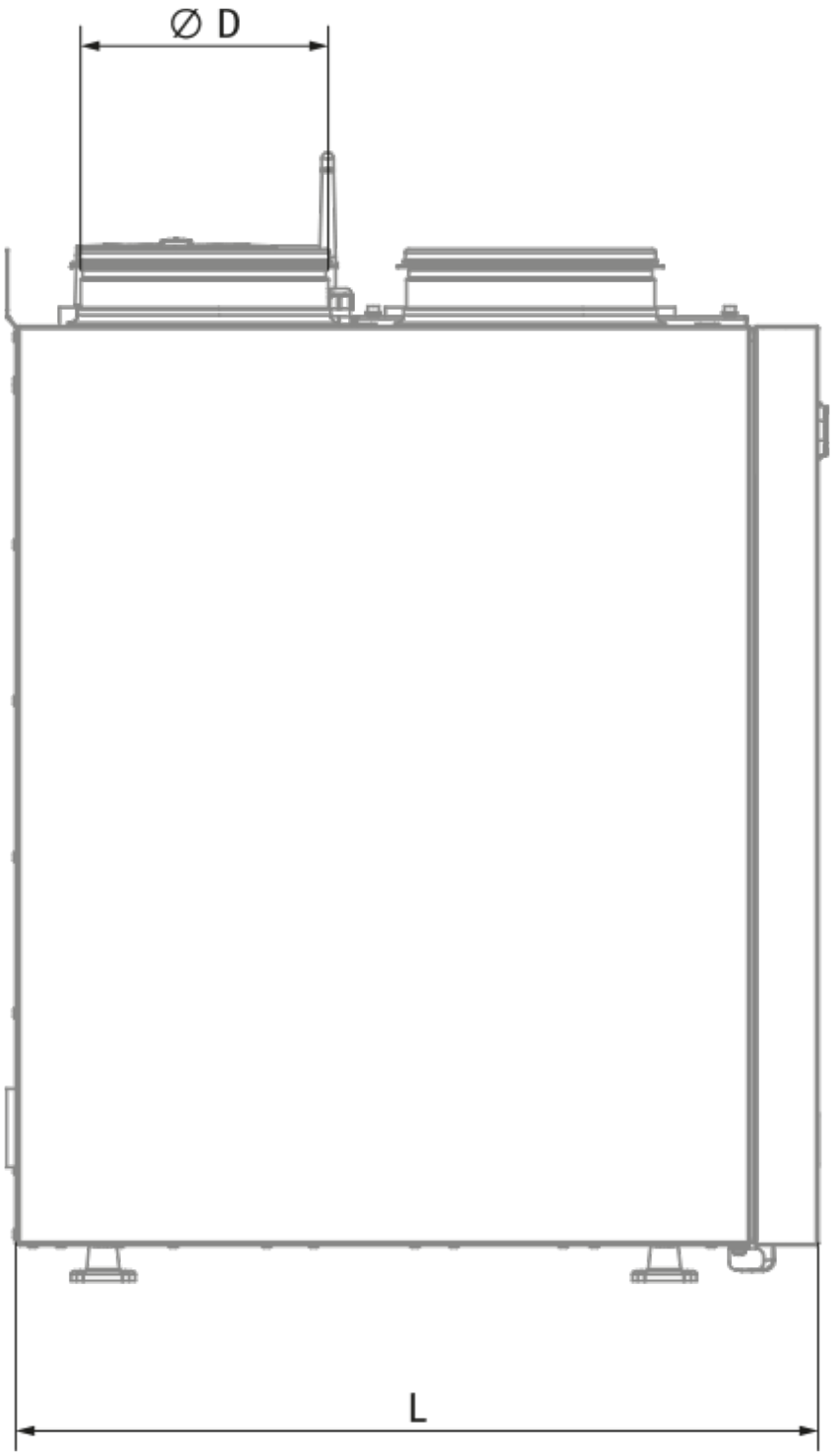
	Unit of measurement	KOMFORT Roto EC SE 281-E R S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Power of electrical reheater	W	1200
Maximum airflow	m³/h	382
Heat recovery efficiency, max	%	86
Heat exchanger type	-	Sorption rotary
Weight	kg	57
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature max	°C	40
Ambient air temperature min	°C	1
Ingress protection rating	-	IP22
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44

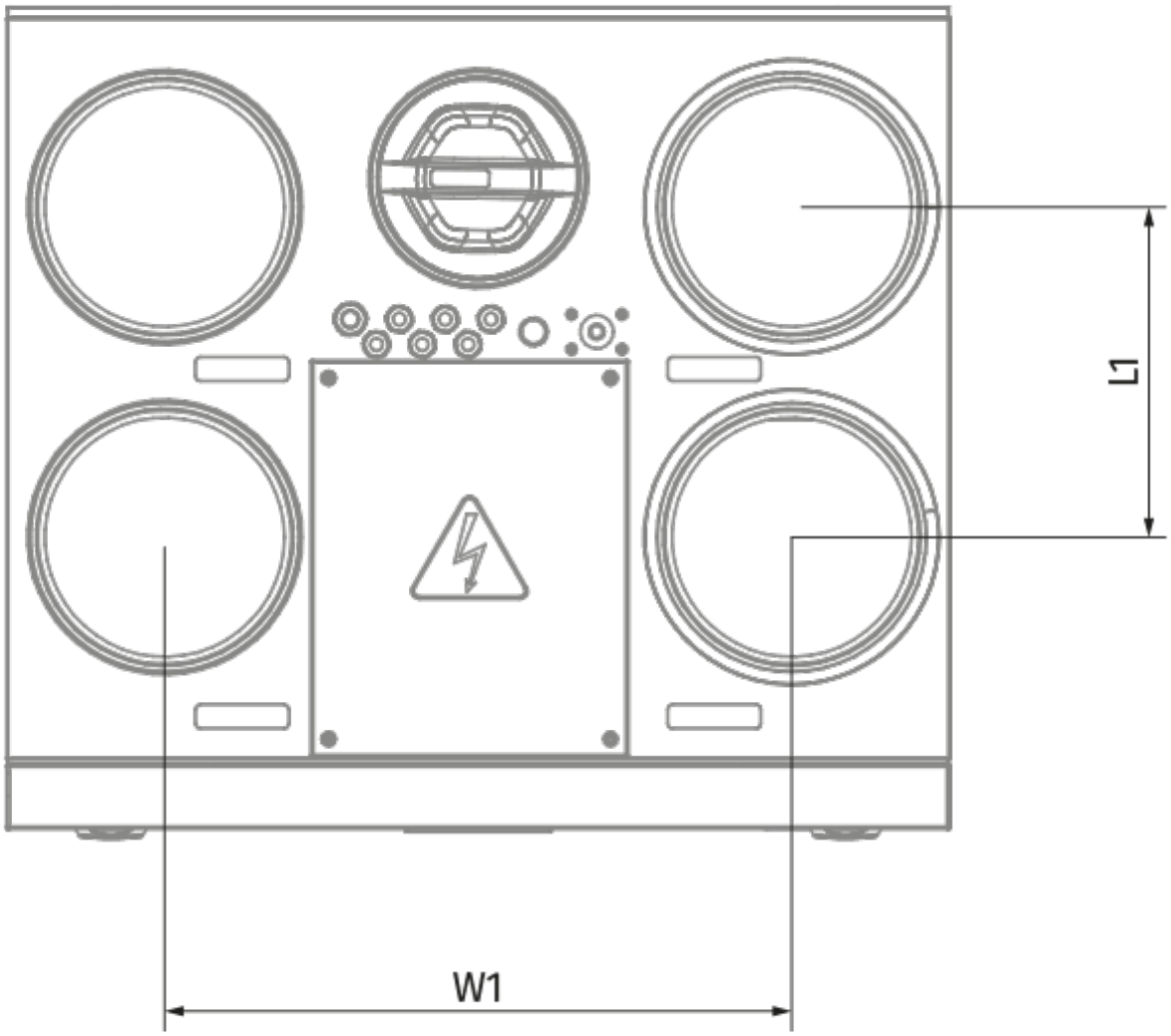


Dimensions

Ø D	H	H1	L	L1	W / B	W1 / B1
160	588	638	513	209	598	397


H1
H
W


∅ D
L


L1
W1

Ecodesign

Trademark	Blauberg					
Model	KOMFORT Roto EC SE 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

For round ducts

Name	Photo	Description
SD 160/600		Silencers for round ducts
SD 160/900		Silencers for round ducts

SD 160/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VKA 160		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

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