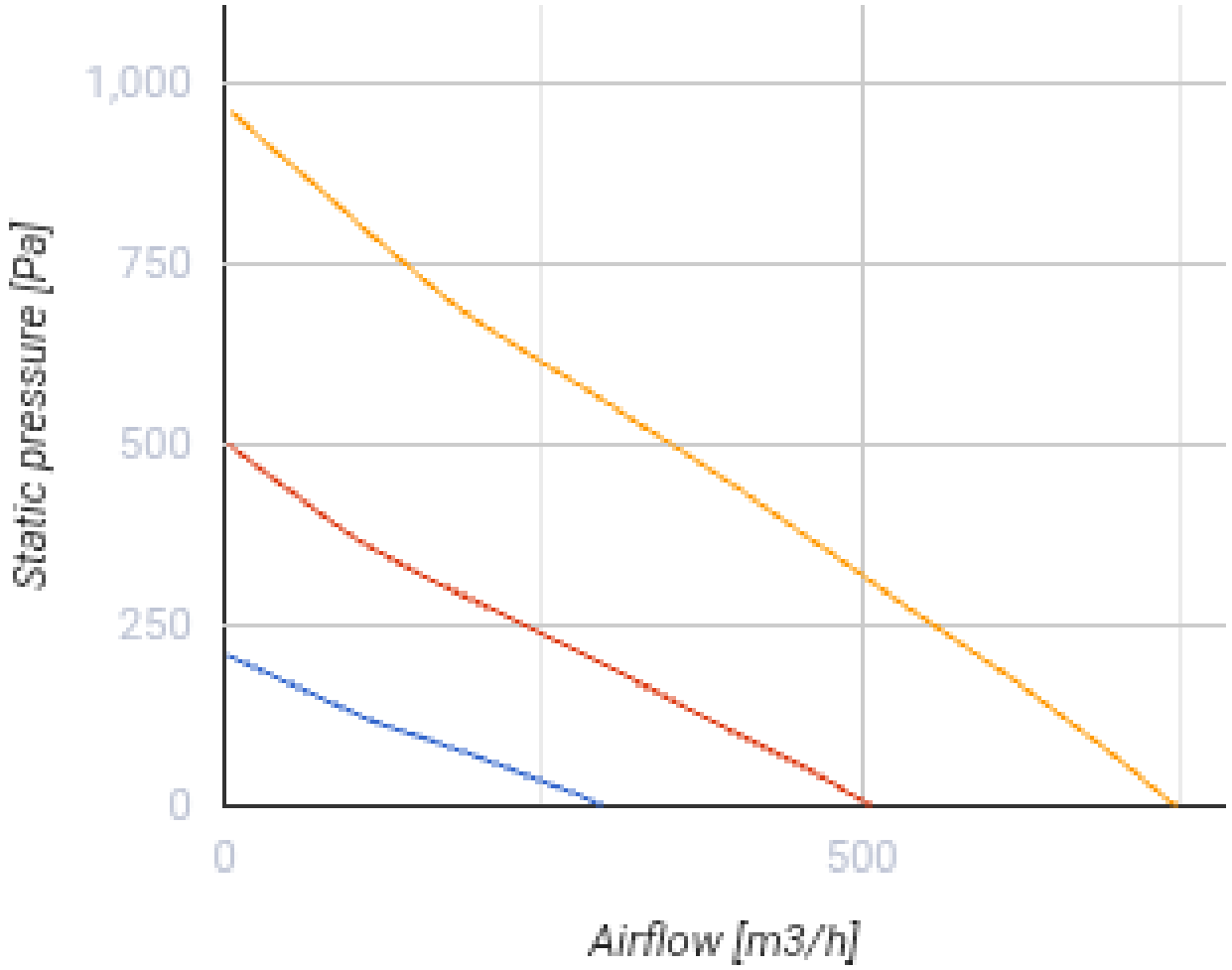


KOMFORT Roto EC S 601 R S21

Air handling units with rotary heat exchanger

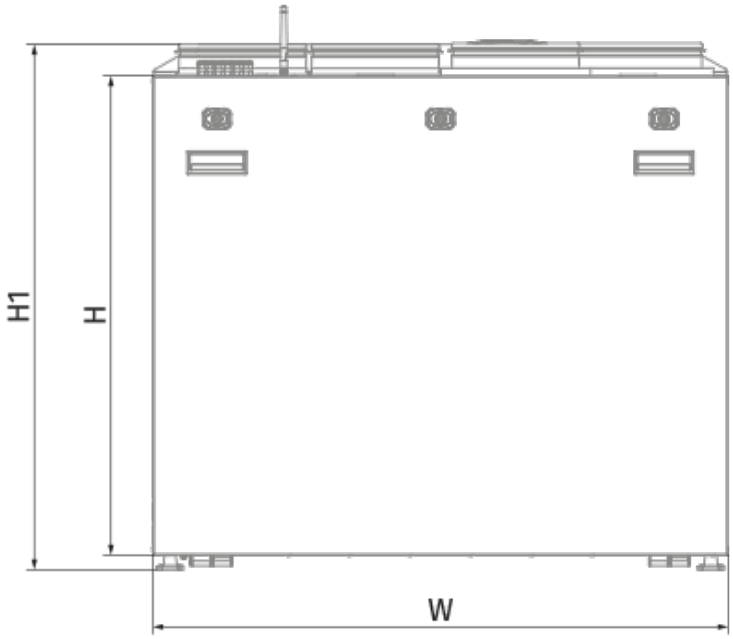
- Heat exchanger type: Condensation rotary
- Sound-insulated casing
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

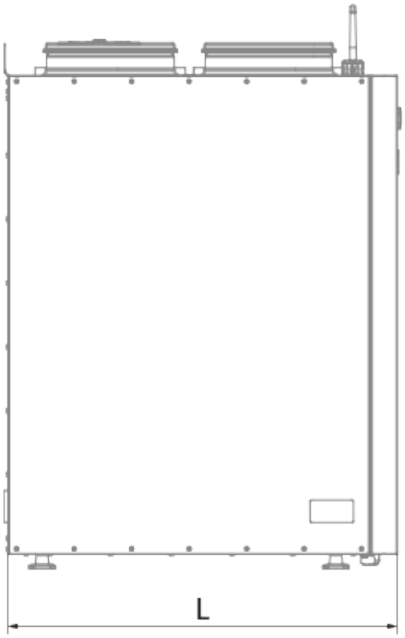
	Unit of measurement	KOMFORT Roto EC S 601 R S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Maximum airflow	m³/h	747
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Condensation rotary
Weight	kg	90
Transported air temperature (max)	°C	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

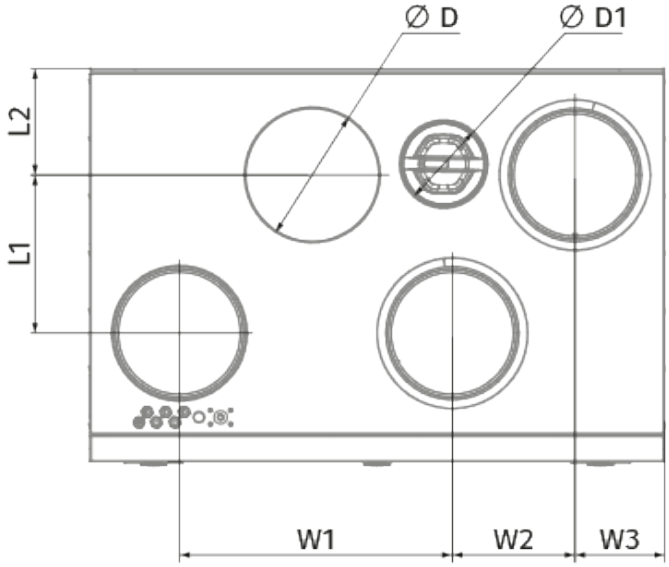


Dimensions

H	W	L	H1	W1	W2	W3	L1	L2	D	D1
750	900	609	828	427	192	140	248	167	200	125


H1
H
W


L


∅ D
∅ D1
L2
L1
W1
W2
W3

Ecodesign

Trademark	Blauberg					
Model	KOMFORT Roto EC S 601 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)	675					
Electric power input (W)	304					
Reference flow rate (m³/s)	0.128					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.24					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	50					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	127		127		127	
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

Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators