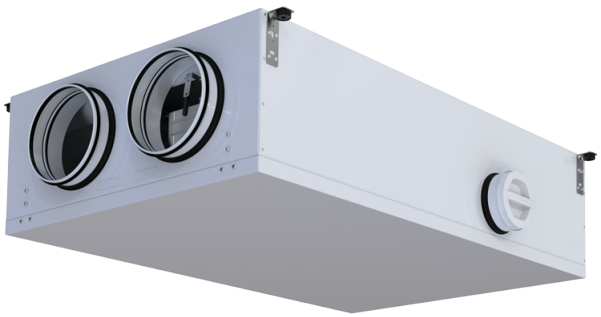
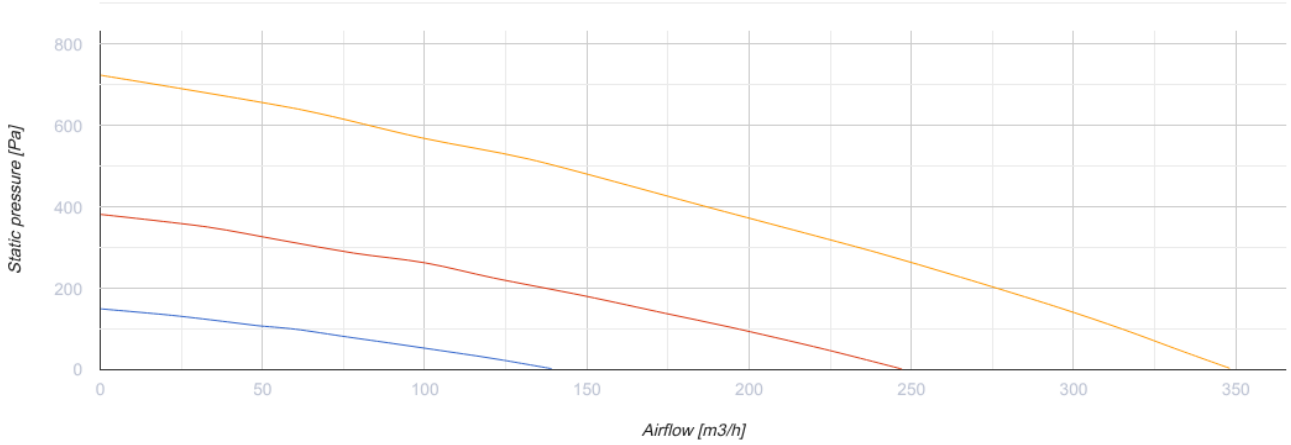


KOMFORT Roto EC DE 251 R S21

Air handling units with rotary heat exchanger

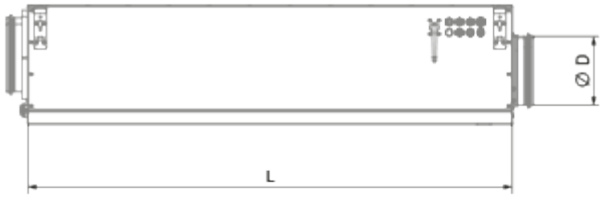
- Power of electrical reheater: 800
- Heat exchanger type: Condensation rotary
- Sound-insulated casing
- Bypass: Auto
- Reheater: Built-in
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

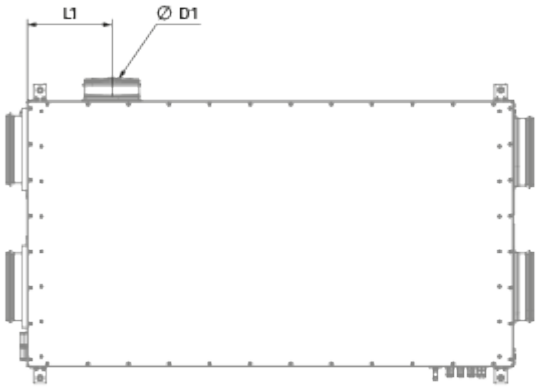
	Unit of measurement	KOMFORT Roto EC DE 251 R S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Power of electrical reheater	W	800
Maximum airflow	m³/h	348
Heat recovery efficiency, max	%	84
Heat exchanger type	-	Condensation rotary
Weight	kg	61.5
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

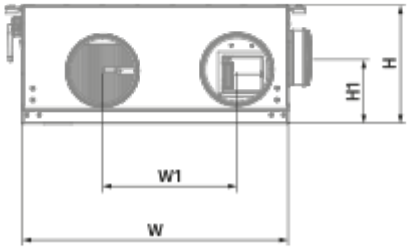


Dimensions

H	W	L	H1	W1	L1	D	D1
280	630	1150	155	319	200	160	125







Ecodesign

Trademark	Blauberg					
Model	KOMFORT Roto EC DE 251 R S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-85.3	A+	-41.6	A	-16.5	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)	314					
Electric power input (W)	178					
Reference flow rate (m³/s)	0.062					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.311					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	44					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	164		164		164	
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

Other accessories

Name	Photo	Description
FP 266x222x48 ePM1 60% F7		F7 panel filter
FP 266x222x48 Coarse 90% G4		G4 panel filter