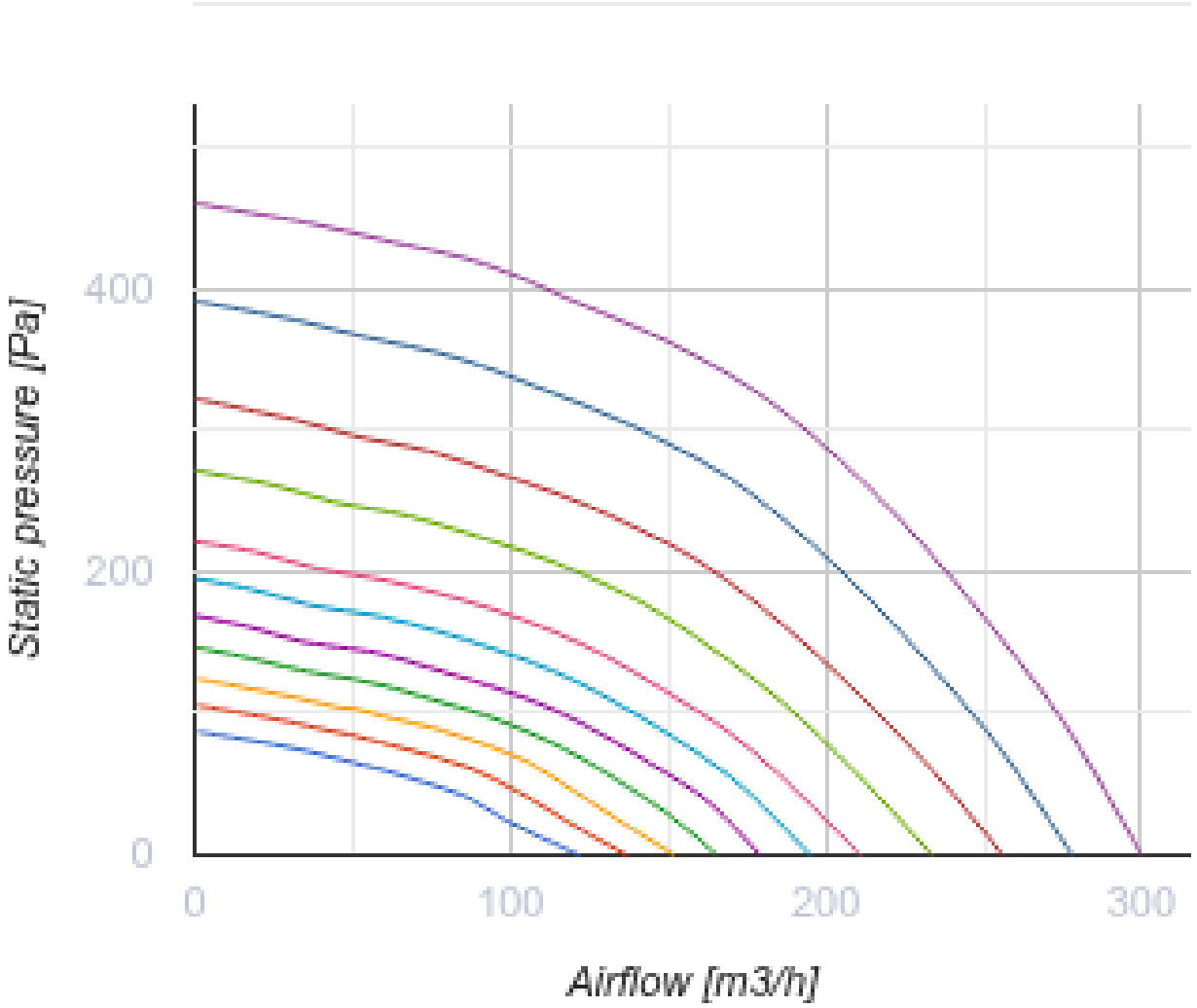


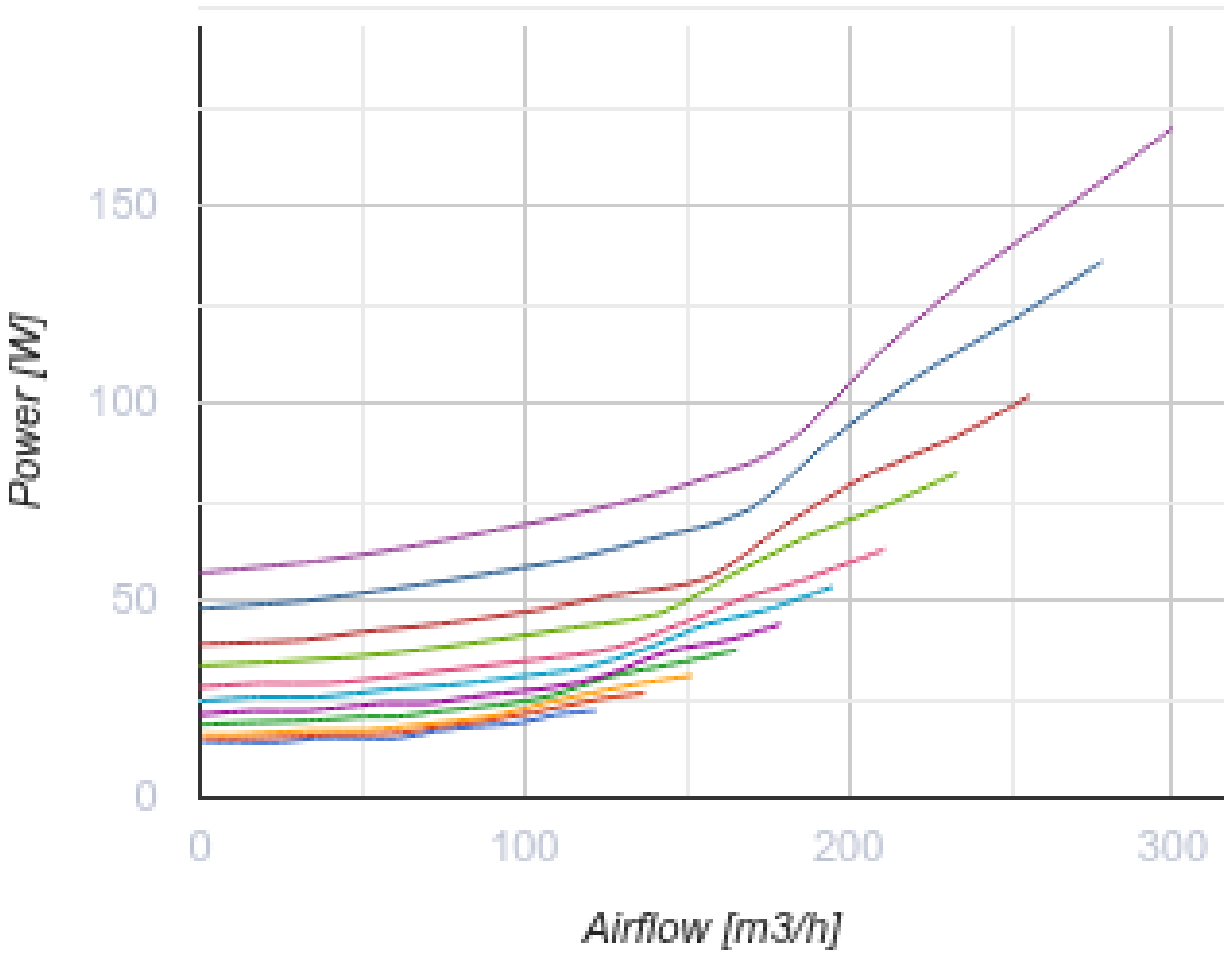
KOMFORT Roto EC SE 280 S21

Heat recovery air handling units

- Power of electrical reheater: 650
- Heat exchanger type: Rotary
- Heat exchanger material: Aluminum
- Sound-insulated casing
- Reheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

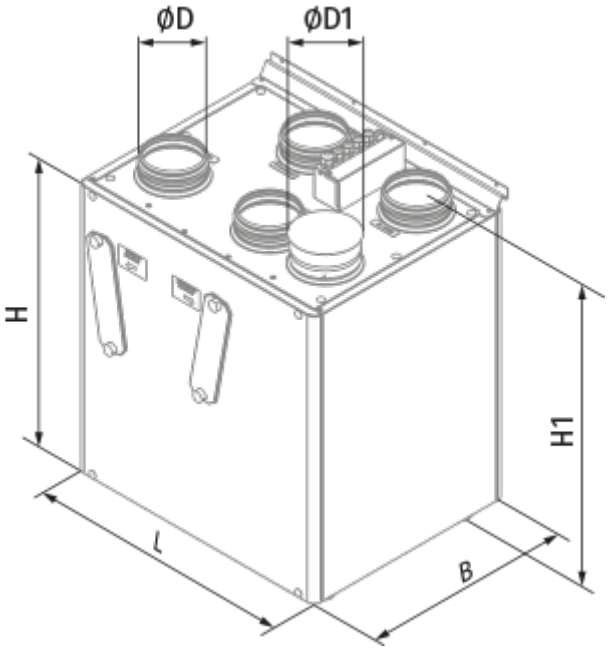
	Unit of measurement	KOMFORT Roto EC SE 280 S21
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Power of electrical reheater	W	650
Maximum airflow	m³/h	300
Heat recovery efficiency, max	%	90
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	64
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	%	80
Ingress protection rating of the drive	-	IP44


Static pressure [Pa]
400
200
0
0
100
200
300
Airflow [m3/h]

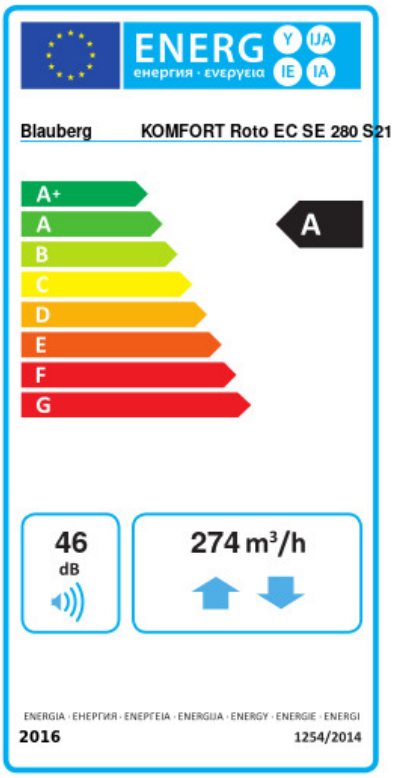


Dimensions

Ø D	Ø D1	B	H	H1	L
125	125	482	630	754	598


ØD
ØD1
H
H1
L
B

Ecodesign



Trademark	Blauberg					
Model	KOMFORT Roto EC SE 280 S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-85.3	A+	-41.8	A	-16.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	83					
Maximum flow rate (m³/h)	274					
Electric power input (W)	154					
Reference flow rate (m³/s)	0.053					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.279					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Declared typology	RVU BVU					
Sound power level (dB(A))	46					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	148		591		148	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8898		4548		2057	

Accessories

For round ducts

Name	Photo	Description
SD 125/600		Silencers for round ducts
SD 125/900		Silencers for round ducts

SD 125/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VRV 125		Backdraft dampers with spring for round ducts
VKA 125		Air dampers for round ducts

Cooker Hoods

Name	Photo	Description
DAH 251-13		Kitchen exhaust hood

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-2		CO2 sensors

Humidity sensors

Name	Photo	Description

FS2		Humidity sensor

Other accessories

Name	Photo	Description
FP 400x196x40 F7		F7 panel filter
FP 400x196x40 G4		G4 panel filter