



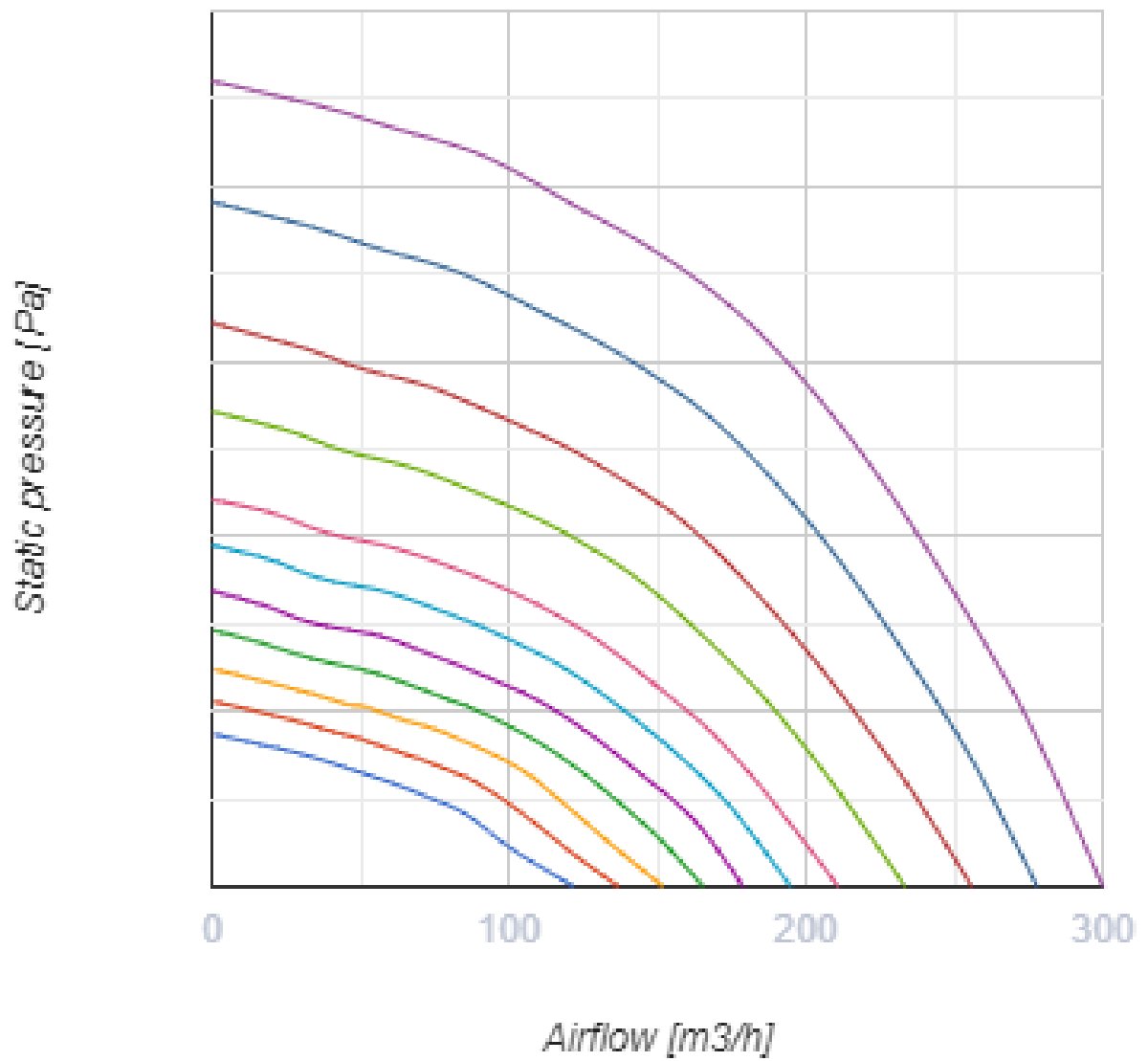
# KOMFORT Roto EC SE 280 S21

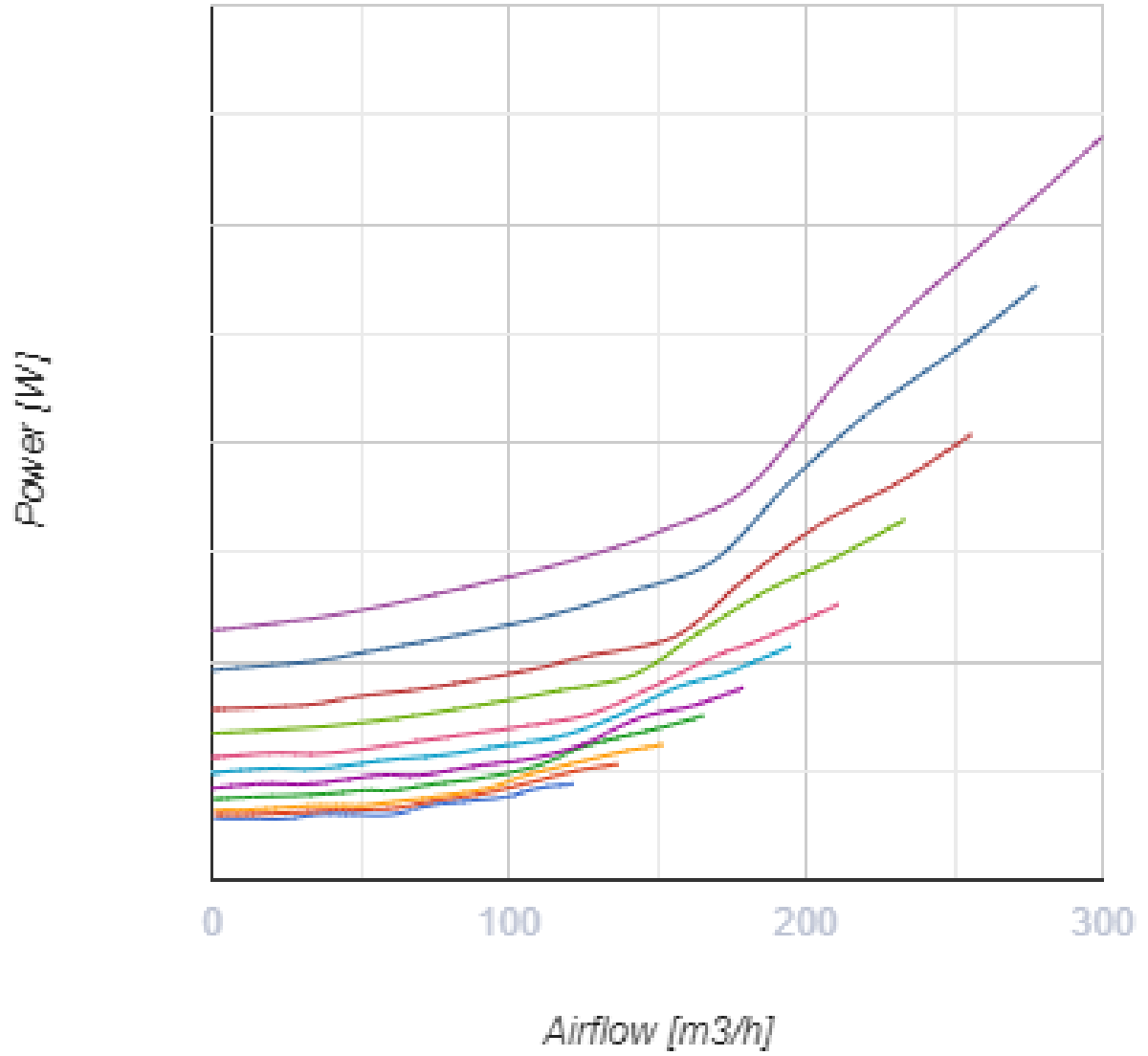
Heat recovery air handling units

- Power of electrical reheater: 650
- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 26
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: F7
- Sound insulation
- Motor type: EC
- Reheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	KOMFORT Roto EC SE 280 S21
Connected air duct size	mm	125
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	195
Power of electrical reheater	W	650
Unit current	A	4.7
Maximum airflow	m <sup>3</sup> /h	300
rotation speed at 50hz	-	
Sound pressure level LpA at 3 m	dB(A)	26
Heat recovery efficiency, max	%	90
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	64
Extract filter	-	G4
Supply filter	-	F7
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25

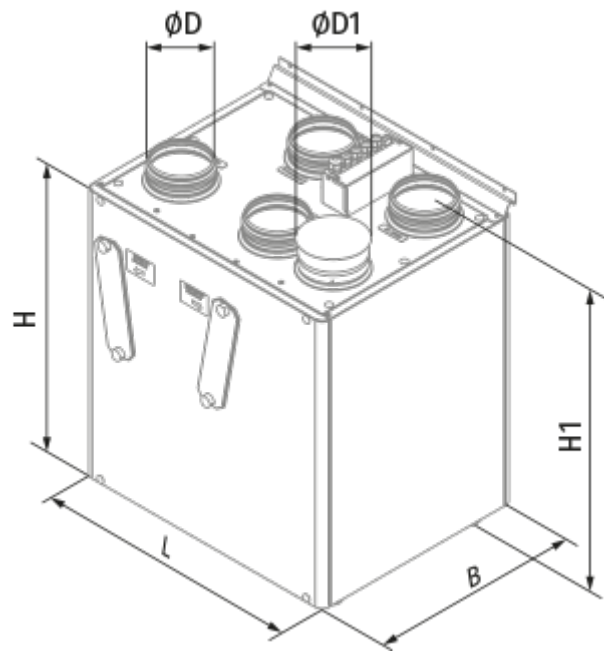
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



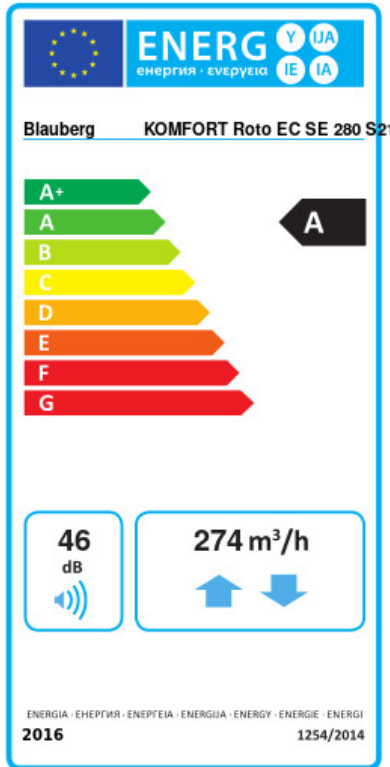


## Dimensions

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



## Ecodesign




Trademark	Blauberg					
Model	KOMFORT Roto EC SE 280 S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /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 (m <sup>3</sup> /h)	274					
Electric power input (W)	154					
Reference flow rate (m <sup>3</sup> /s)	0.053					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.279					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	46					
Declared typology	RVU BVU					
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

### Other accessories



Name	Photo	Description
FP 400x196x40 G4		G4 panel filter

FP 400x196x40 F7		F7 panel filter
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### Control Panels

Name	Photo	Description
<a href="#">S22</a>		Control panels
<a href="#">S22 Wi-Fi</a>		Control panels
<a href="#">S25</a>		LCD control panel


### CO2 sensors

Name	Photo	Description
<a href="#">CD-1</a>		CO2 sensors
<a href="#">CD-2</a>		CO2 sensors

### Humidity sensors




Name	Photo	Description
<a href="#">FS2</a>		Humidity sensor

### Other accessories

Name	Photo	Description
<a href="#">DAH 251-13</a>		Kitchen exhaust hood

### For round ducts

Name	Photo	Description
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<a href="#">SD 125/600</a>		Silencers for round ducts
<a href="#">SD 125/900</a>		Silencers for round ducts
<a href="#">SD 125/1200</a>		Silencers for round ducts

### For round ducts

Name	Photo	Description
<a href="#">VRV 125</a>		Backdraft dampers with spring for round ducts
<a href="#">VKA 125</a>		Air dampers for round ducts