



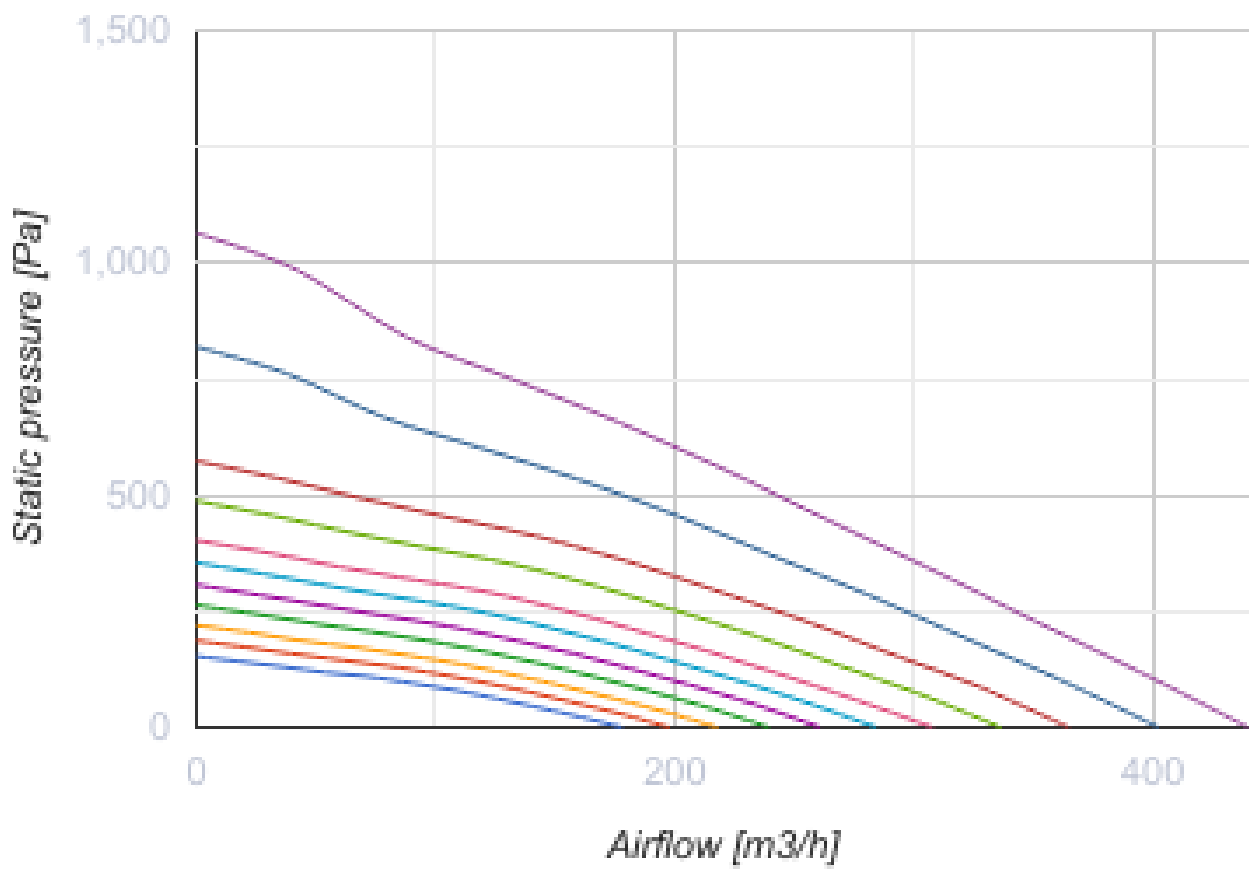
# KOMFORT Roto EC SE 400 S21

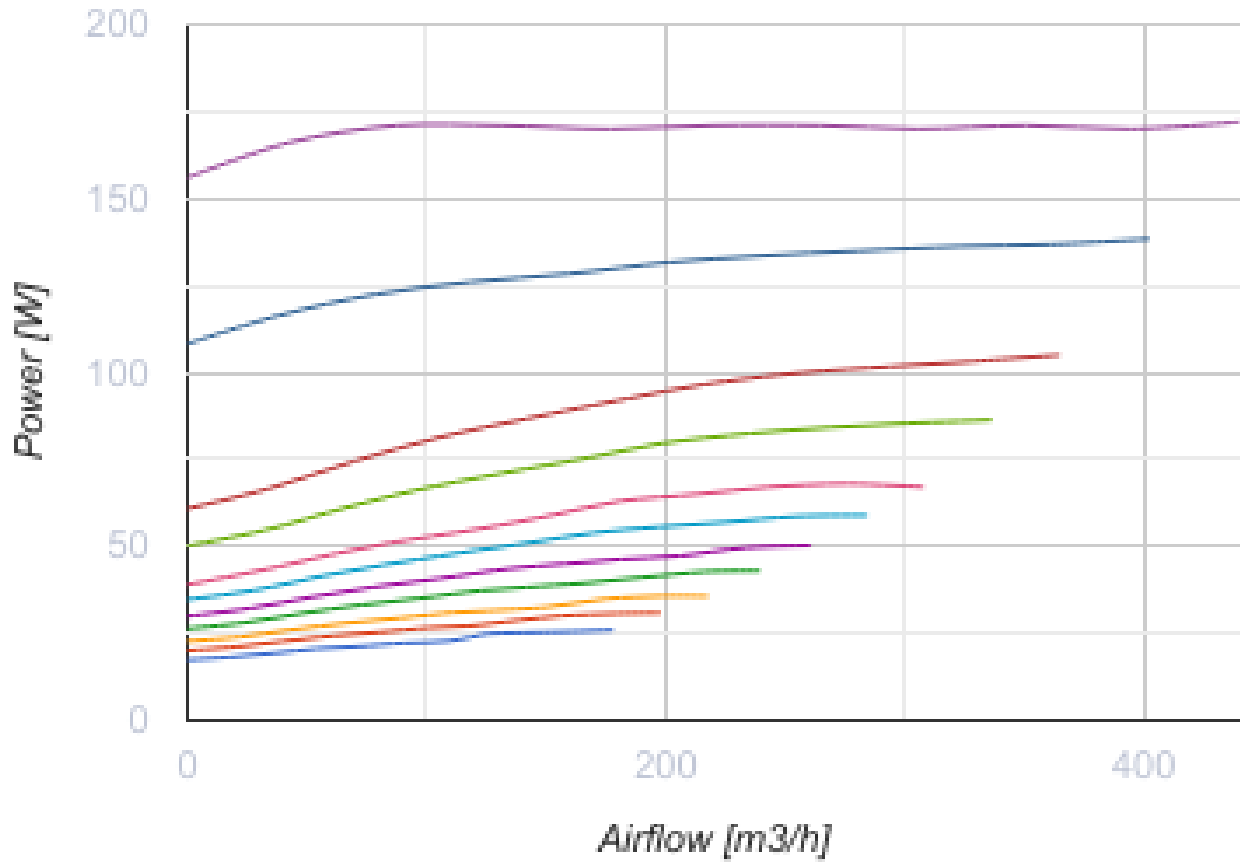
Heat recovery air handling units

- Power of electrical reheater: 1400
- Maximum airflow: 440
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4 + 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 400 S21
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	200
Power of electrical reheater	W	1400
Unit current	A	7.5
Maximum airflow	m <sup>3</sup> /h	440
rotation speed at 50hz	-	3280
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	85
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	82
Extract filter	-	G4
Supply filter	-	G4 + F7
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25

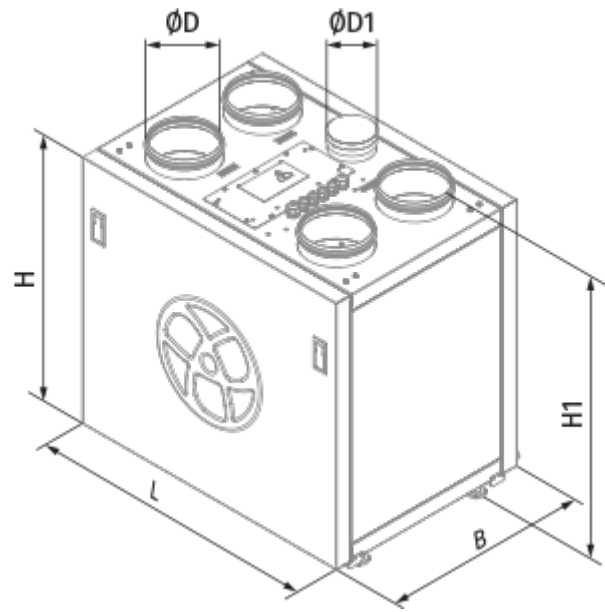
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



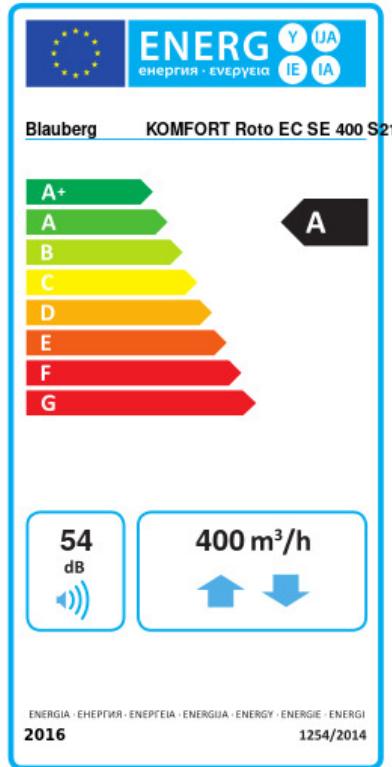


## Dimensions

Ø D	Ø D1	B	H	H1	L
160	100	528	675	755	747



## Ecodesign




Trademark	Blauberg					
Model	KOMFORT Roto EC SE 400 S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	84.9	A+	41.8	A	17.1	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m <sup>3</sup> /h)	400					
Electric power input (W)	170					
Reference flow rate (m <sup>3</sup> /s)	0.076					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.247					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	54					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	131		523		131	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8817		4507		2038	




## Accessories

### Other accessories



Name	Photo	Description
FP 436x196x40 G4		G4 panel filter

FP 436x196x40 F7		F7 panel filter
------------------	---	-----------------


### 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
------	-------	-------------

<a href="#">SD 160/600</a>		Silencers for round ducts
<a href="#">SD 160/900</a>		Silencers for round ducts
<a href="#">SD 160/1200</a>		Silencers for round ducts

### For round ducts

Name	Photo	Description
<a href="#">VRV 160</a>		Backdraft dampers with spring for round ducts
<a href="#">VKA 160</a>		Air dampers for round ducts