



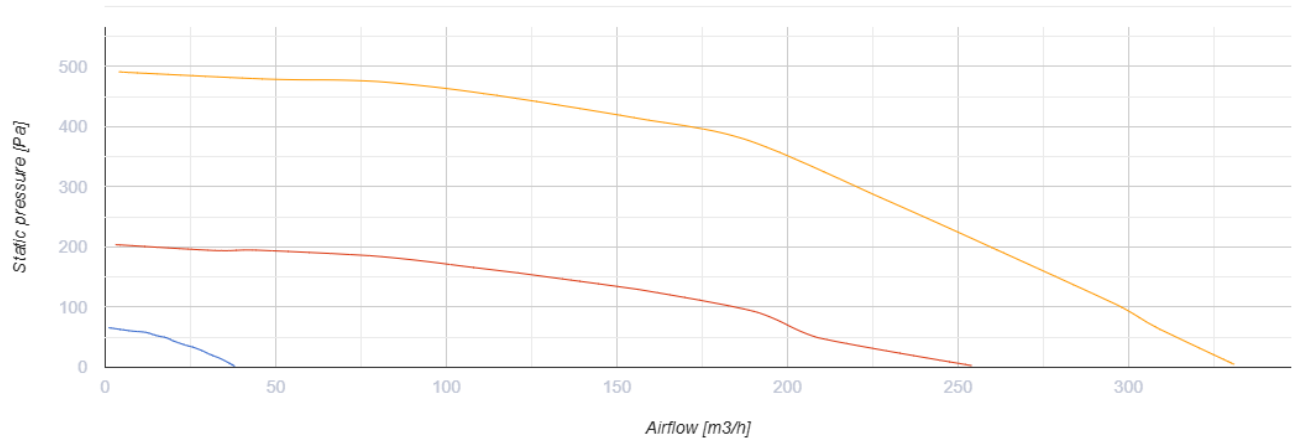
# Reneo SE 270 R S21

Heat and energy recovery air handling units

- Power of electrical preheater: 1400
- Sound pressure level LpA at 3 m: 34
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Extract filter: G4 / Coarse > 60%
- Supply filter: G4 / Coarse > 60% (option: F7 / ePM1 60%)
- Sound-insulated casing
- Bypass: Auto
- Preheater: Built-in
- Reheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- CO2 sensor: Optional
- PM2.5 sensor: Optional

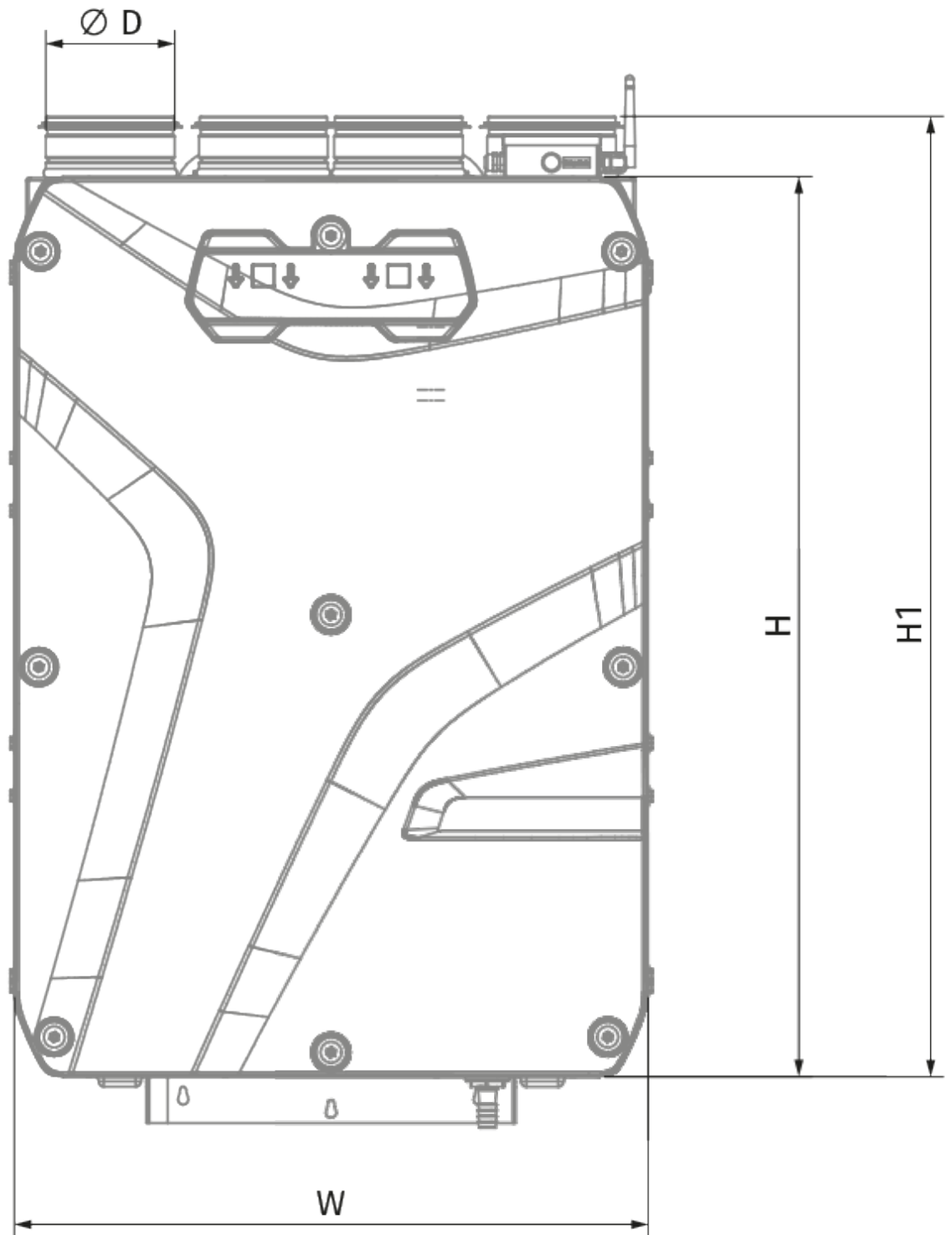
	Unit of measurement	Reneo SE 270 R S21
Connected air duct size	mm	125
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	182
Power of electrical preheater	W	1400
Unit current	A	7.61
Maximum airflow	m <sup>3</sup> /h	331
Sound pressure level LpA at 3 m	dB(A)	34
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	22
Extract filter	-	G4 / Coarse > 60%
Supply filter	-	G4 / Coarse > 60% (option: F7 / ePM1 60%)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40

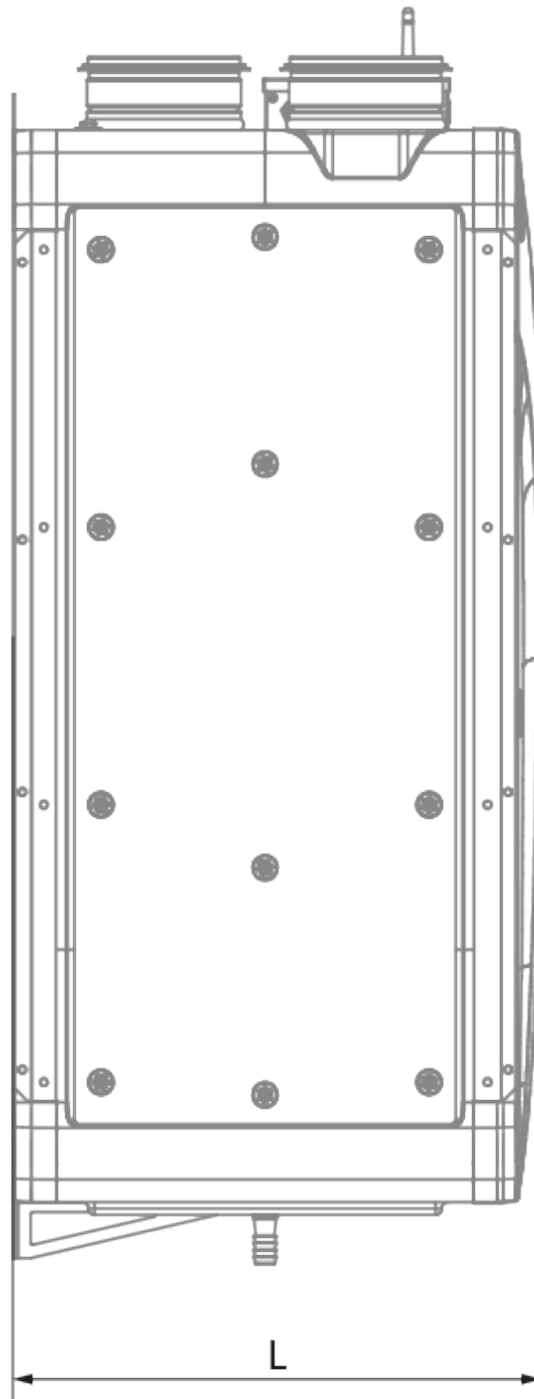
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44
Article	-	8113123

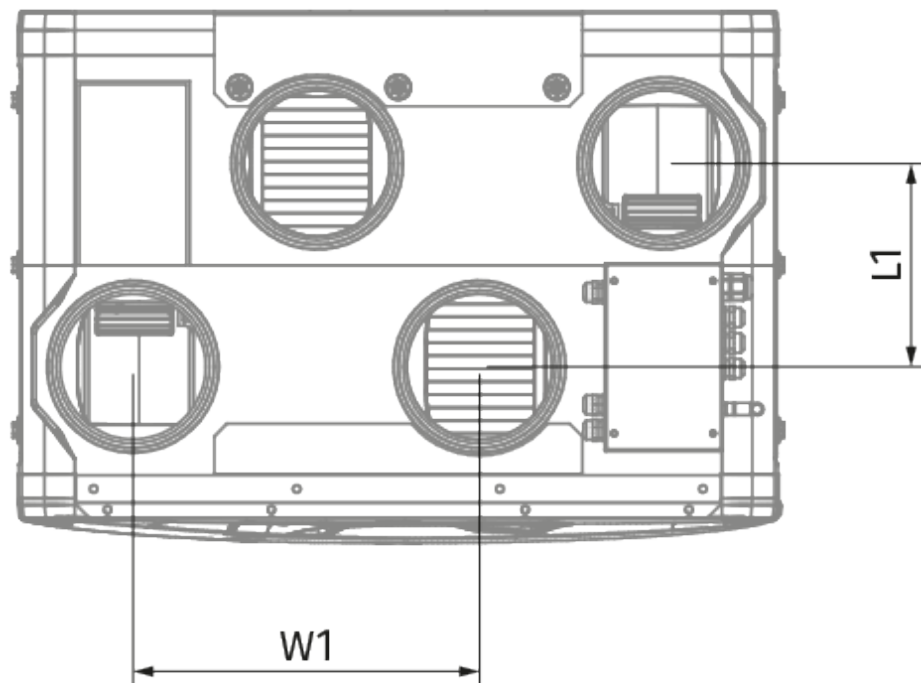


## Dimensions

D	H	H1	L	L1	W / B	W1 / B1
125	900	958	452	190	598	273








## Ecodesign

Trademark	Blauberg					
Model	Reneo SE 270 R S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	-80.5	A+	-41.4	A	-16.4	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	88					
Maximum flow rate (m <sup>3</sup> /h)	298					
Electric power input (W)	176					
Reference flow rate (m <sup>3</sup> /s)	0.058					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.351					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	55					
The annual electricity consumption (AEC) (kWh/a)	Cold	Average		Warm		
	768	231		186		
The annual heating saved (AHS) (kWh/a)	Cold	Average		Warm		
	9100	4652		2104		




## Accessories

### Condensation drainage

Name	Photo	Description
<a href="#">SFK 20x32</a>		Hydraulic syphon for condensate drainage

### 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="#">VKA 125</a>		Air dampers for round ducts

### Electrical heaters


Name	Photo	Description
<a href="#">ENH 125-0.6-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 125-0.8-1 S21 V.2</a>		Duct heater for supply air reheating
<a href="#">ENH 125-1.2-1 S21 V.2</a>		Duct heater for supply air reheating

### Control Panels


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

### CO2 sensors



Name	Photo	Description
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<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
FP 356x100x48 ePM1 60% F7		F7 panel filter
FP 356x100x48 Coarse 90% G4		G4 panel filter

### Electric actuators

Name	Photo	Description
<a href="#">Belimo TF230</a>		Electric actuators