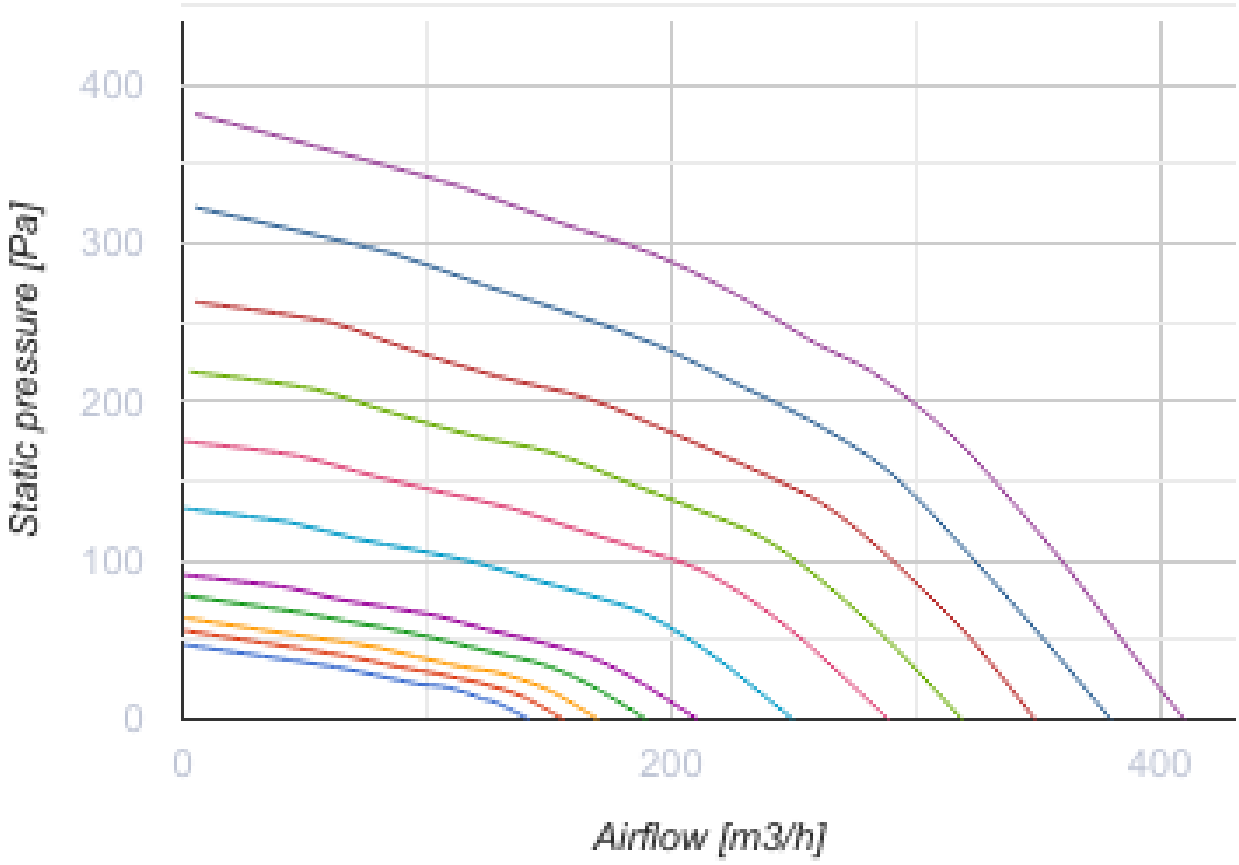
Reneo S 350-E R S21

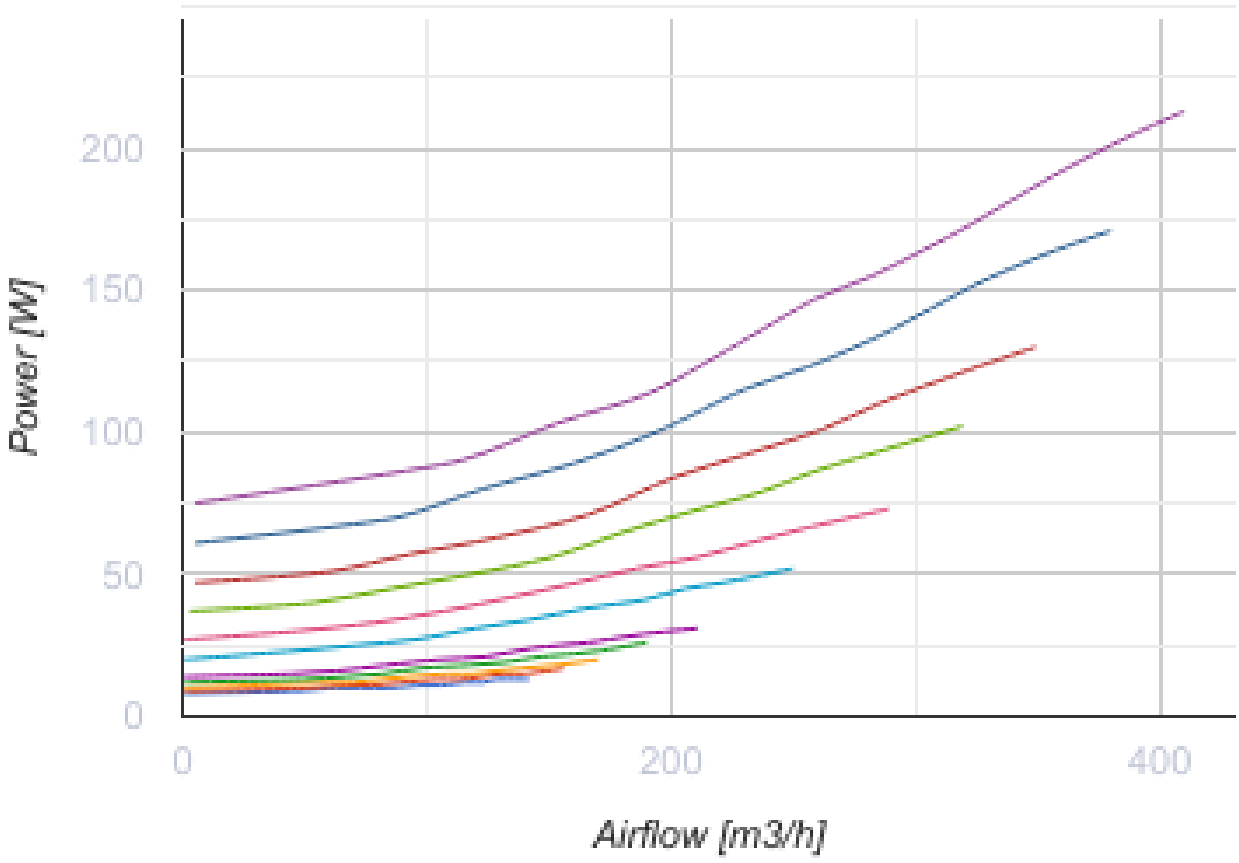
Heat and energy recovery air handling units

• Maximum airflow: 410
• Sound pressure level LpA at 3 m: 26
• Heat exchanger type: Counter flow
• Extract filter: Coarse > 60 %
• Supply filter: Coarse > 60 % (option: ePM1 60 %), Coarse > 60 % (option: ePM1 60 %)
• Sound insulation
• Motor type: EC
• Enthalpy heat exchanger
• Bypass: Auto
• Reheater: Optional
• Preheater: Optional
• BMS protocol: ModBus
• Control: Smartphone
• Casing material: EPP
• Humidity sensor: Optional
• CO2 sensor: Optional
• VOC sensor: Optional
• PM2.5 sensor: Optional

	Unit of measurement	Reneo S 350-E R 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	213
Unit current	A	1.62
Maximum airflow	m^3/h	410
Sound pressure level LpA at 3 m	dB(A)	26
Heat recovery efficiency, max	%	83
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	26
Extract filter	-	Coarse > 60 %
Supply filter	-	Coarse > 60 % (option: ePM1 60 %), Coarse > 60 % (option: ePM1 60 %)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25

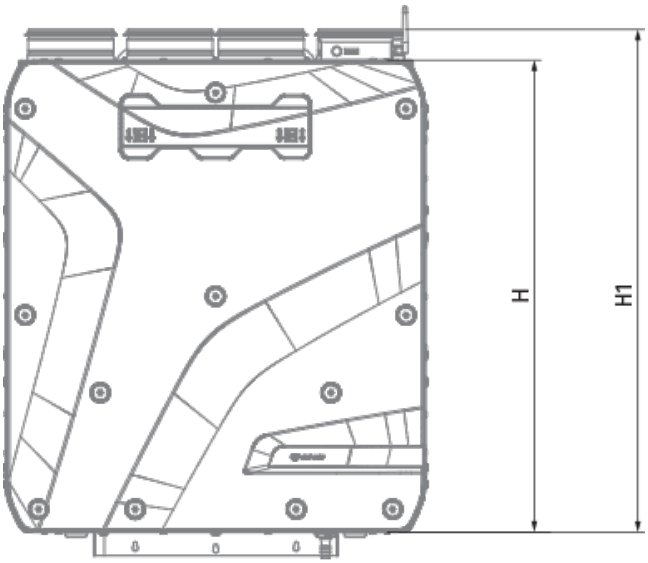
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

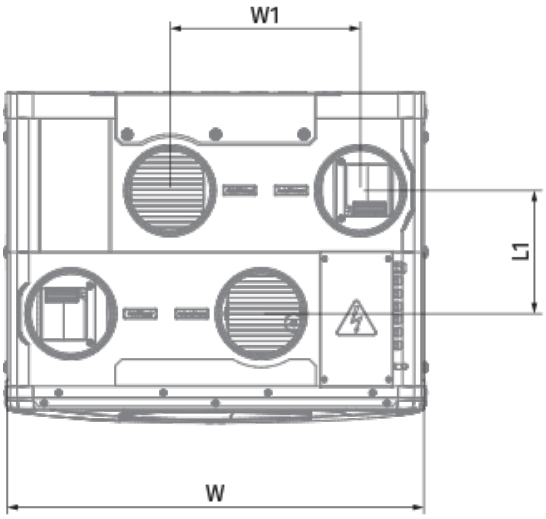


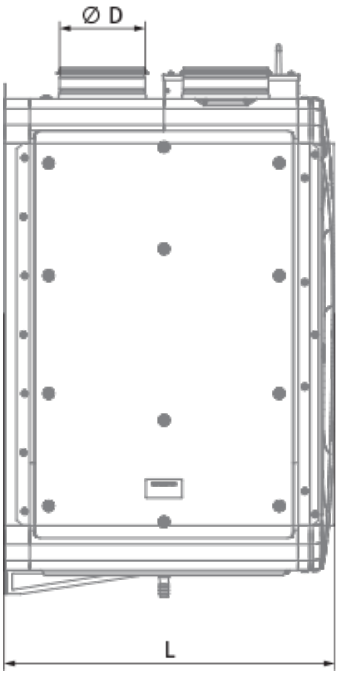


Dimensions

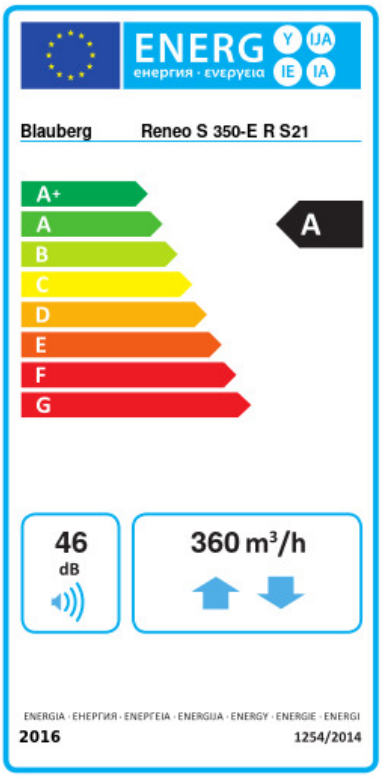
Ø D	H	H1	L	L1	W	W1
160	880	939	616	230	770	355


H
H1


W1
L1
W


Ø D
L

Ecodesign



Trademark	Blauberg					
Model	Reneo S 350-E R S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	78.9	A+	41.2	A	16.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m³/h)	360					
Electric power input (W)	213					
Reference flow rate (m³/s)	0.071					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.26					
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	
	720		183		138	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8817		4507		2038	

Accessories

Other accessories

Name	Photo	Description
FP 496x150x60 Coarse 90% G4		G4 panel filter

FP 496x150x60 ePM1 65% F7		F7 panel filter

Control Panels

Name	Photo	Description
S25		LCD control panel
S22		Control panels
S22 Wi-Fi		Control panels

Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

CO2 sensors

Name	Photo	Description
CD-3		
CD-1		CO2 sensors
CD-2		CO2 sensors

Electrical heaters

Name	Photo	Description
EVH 160-0.8-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
EVH 160-1.2-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection

EVH 160-1.7-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
EVH 160-2.0-1 S21 V.2		Electric duct preheater for heat exchanger freeze protection
ENH 160-0.8-1 S21 V.2		Duct heater for supply air reheating
ENH 160-1.2-1 S21 V.2		Duct heater for supply air reheating
ENH 160-1.7-1 S21 V.2		Duct heater for supply air reheating
ENH 160-2.0-1 S21 V.2		Duct heater for supply air reheating

For round ducts

Name	Photo	Description
SD 160/600		Silencers for round ducts
SD 160/900		Silencers for round ducts
SD 160/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VKA 160		Air dampers for round ducts

Electric actuators

Name	Photo	Description
Belimo TF230		Electric actuators