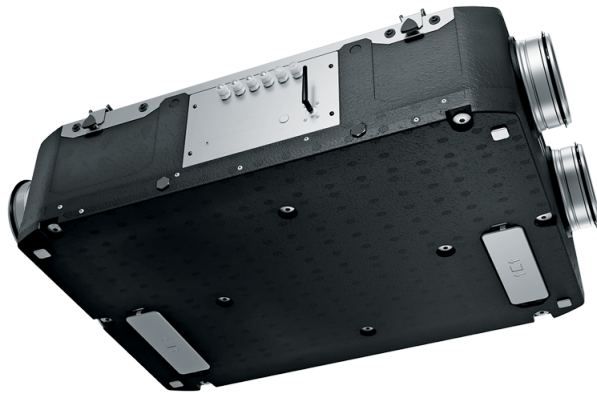


# Reneo D 181-E R S21

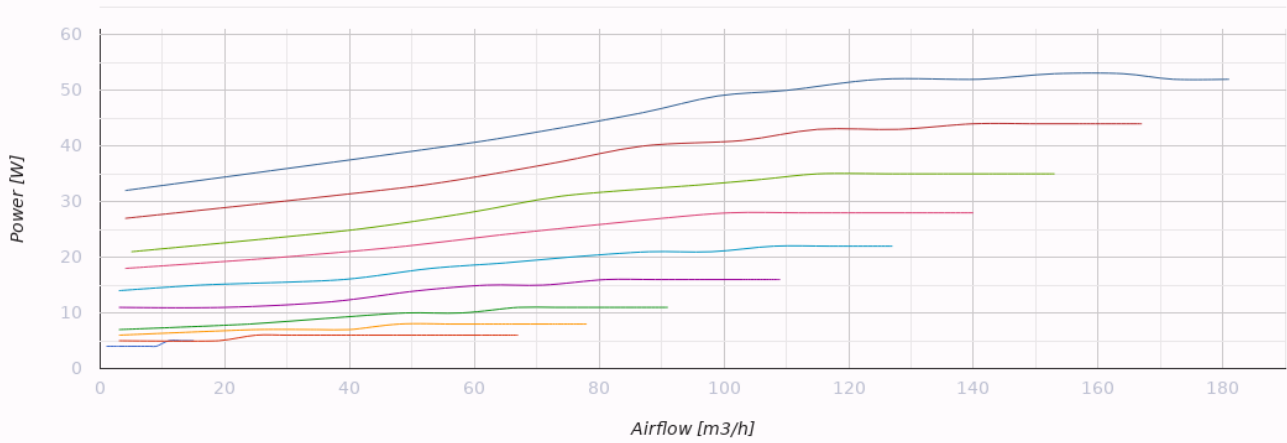
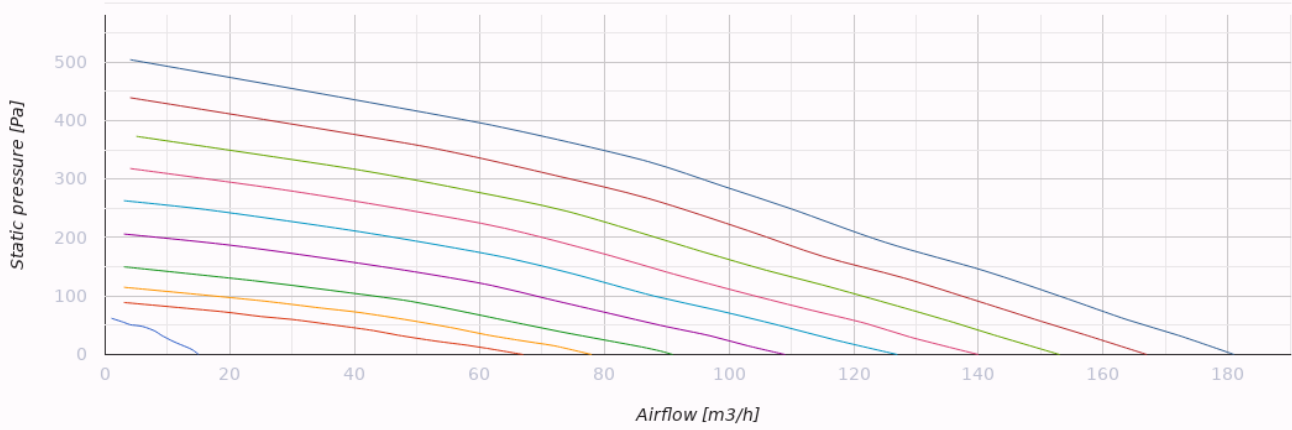
Heat and energy recovery air handling units



- Sound pressure level LpA at 3 m: 29
- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Supply filter: Coarse > 60 % (G4) (option: ePM1 60 % (F7))
- Extract filter: Coarse > 60 %
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Preheater: Optional
- Reheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- CO2 sensor: Optional
- PM2.5 sensor: Optional

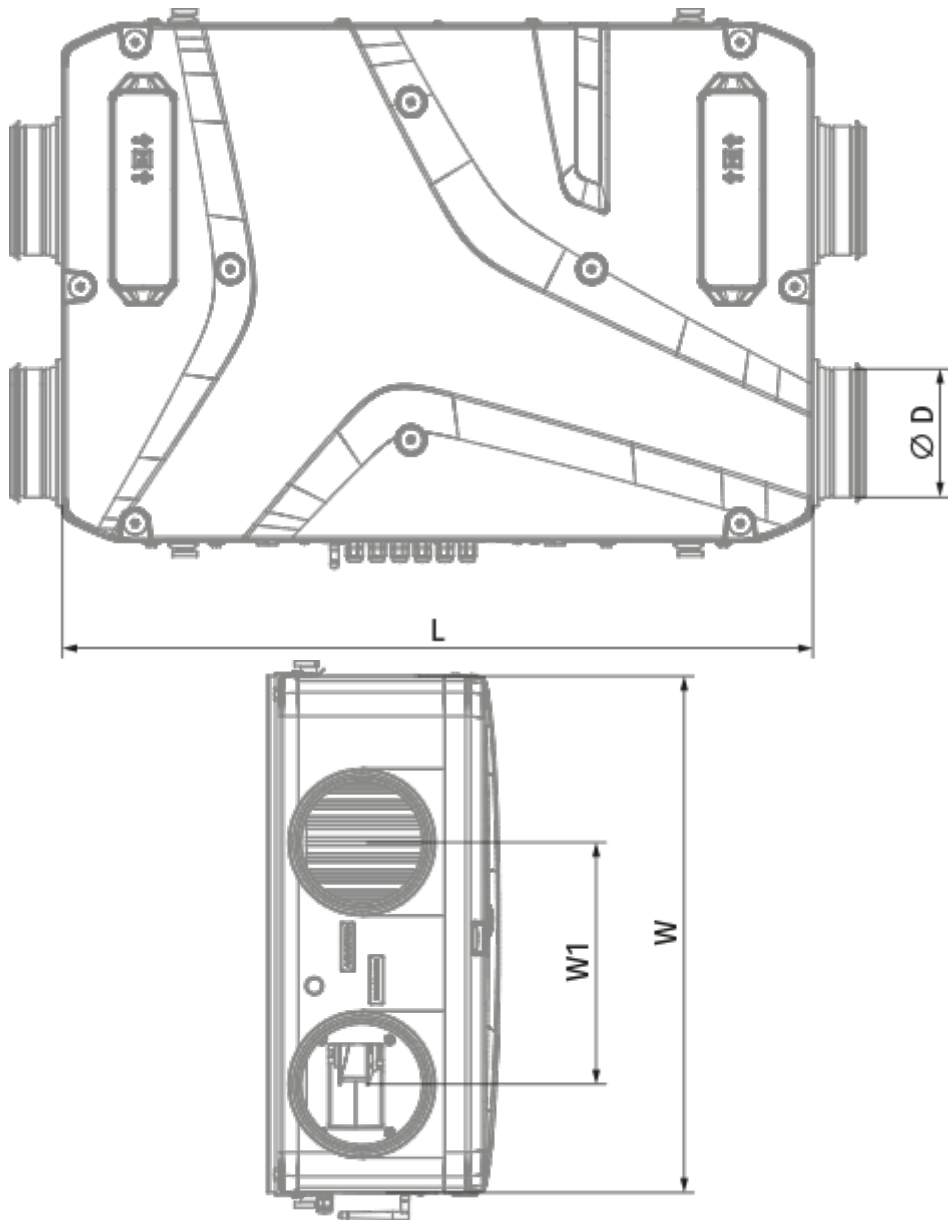
	Unit of measurement	Reneo D 181-E R S21
Connected air duct size	mm	160
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	53
Unit current	A	0.49
Maximum airflow	m <sup>3</sup> /h	181
Sound pressure level LpA at 3 m	dB(A)	29
Heat recovery efficiency, max	%	84
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	15
Supply filter	-	Coarse > 60 % (G4) (option: ePM1 60 % (F7))
Extract filter	-	Coarse > 60 %
Transported air temperature (max)	°C	45
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	60

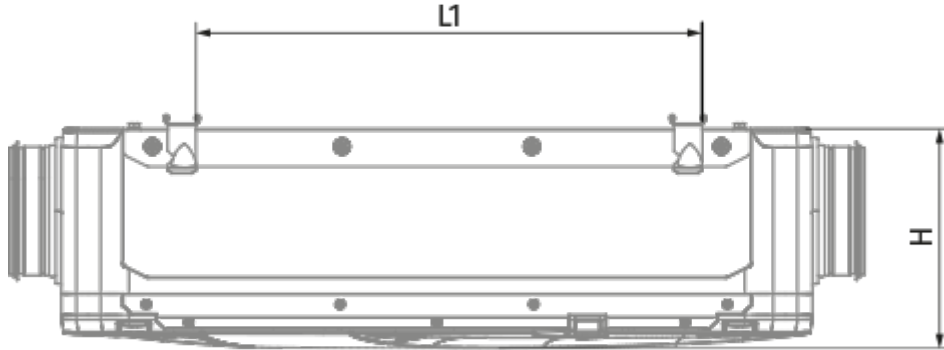
Ingress protection rating of the drive	-	IP44
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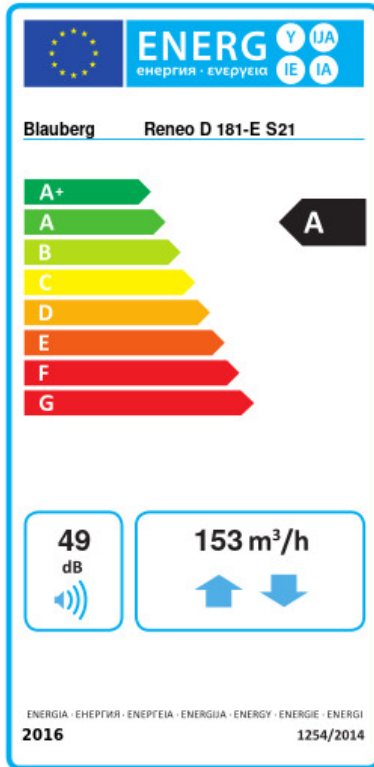
## Dimensions

Ø D	H	L	L1	W / B	W1 / B1
160	272	930	617	640	300





## Ecodesign



Trademark	Blauberg					
Model	Reneo D 181-E R S21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-78	A+	-41.1	A	-17.3	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	77					
Maximum flow rate (m³/h)	153					
Electric power input (W)	53					
Reference flow rate (m³/s)	0.03					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.204					
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))	49					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	690		153		108	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8655		4424		2001	