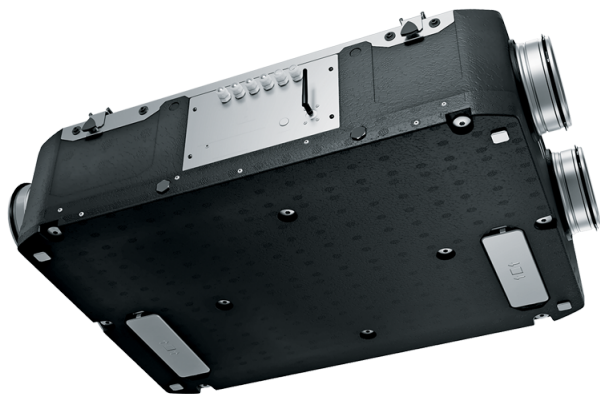


# Reneo D 181 S21

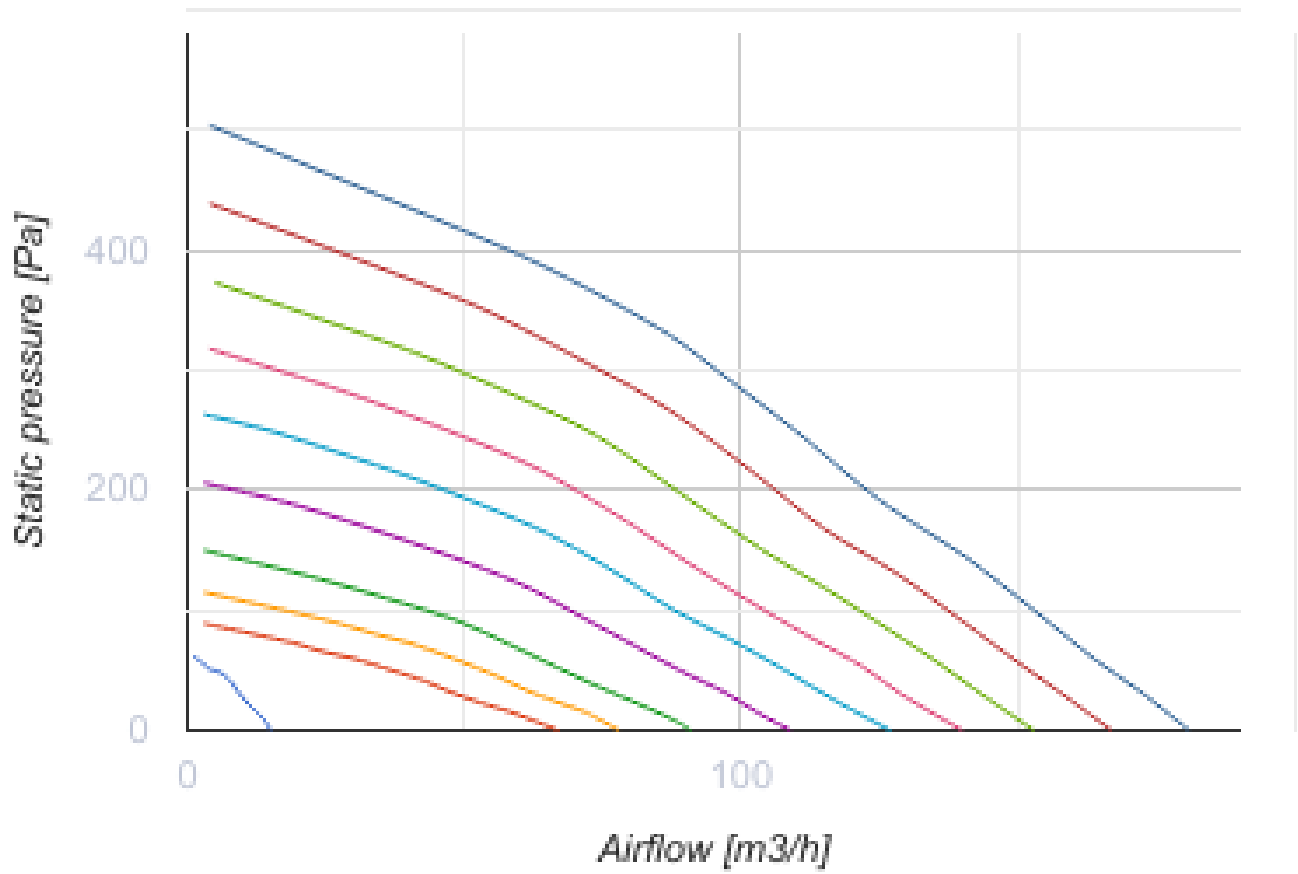
Heat and energy recovery air handling units

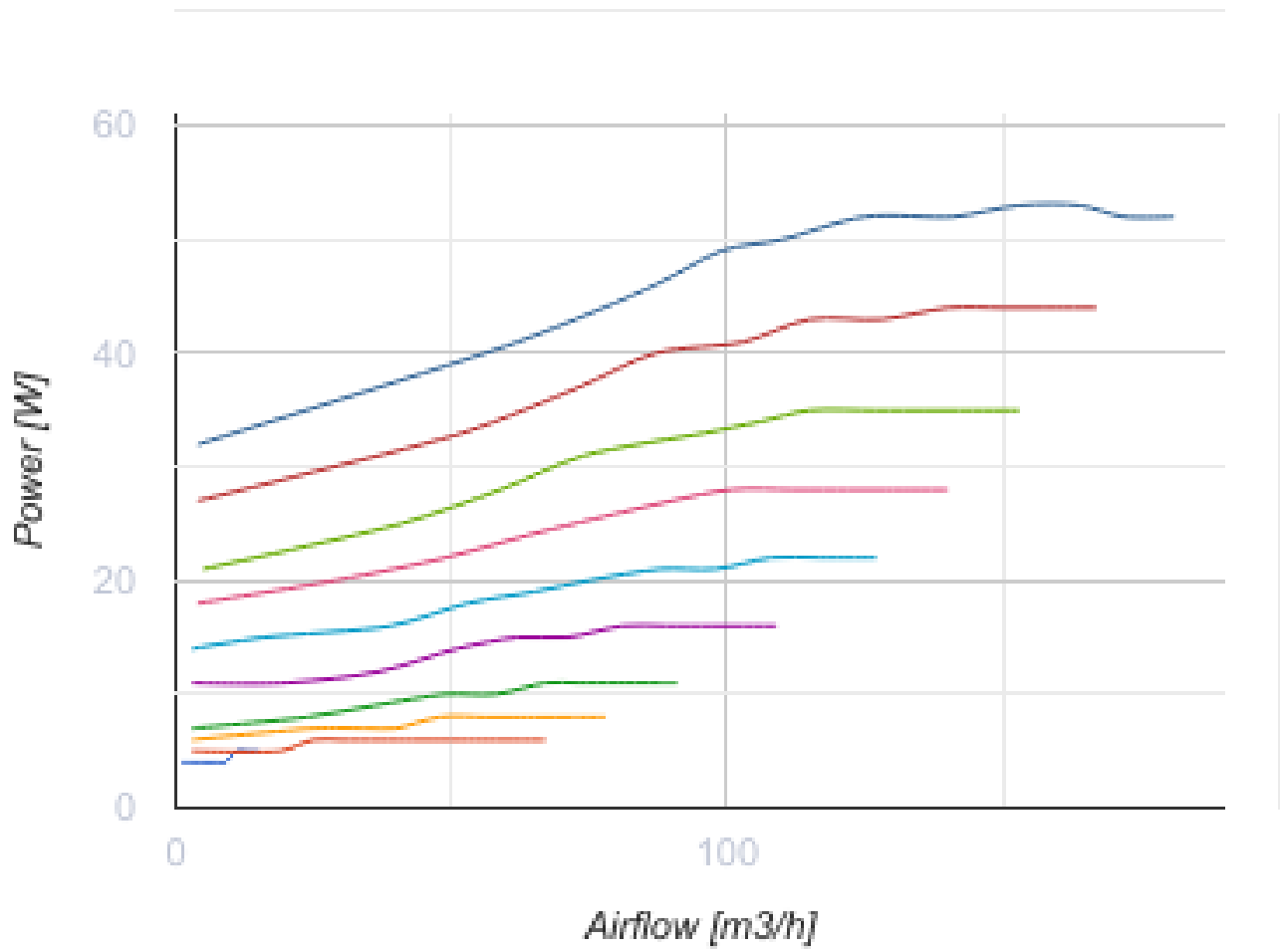


- Maximum airflow: 181
- Sound pressure level LpA at 3 m: 29
- Heat exchanger type: Counter flow
- Extract filter: Coarse > 60 %
- Supply filter: Coarse > 60 % (G4) (option: ePM1 60 % (F7))
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	Reneo D 181 S21
Connected air duct size	mm	160
Speed	-	0
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	%	91
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	12
Extract filter	-	Coarse > 60 %
Supply filter	-	Coarse > 60 % (G4) (option: ePM1 60 % (F7))
Transported air temperature (max)	°C	45
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60

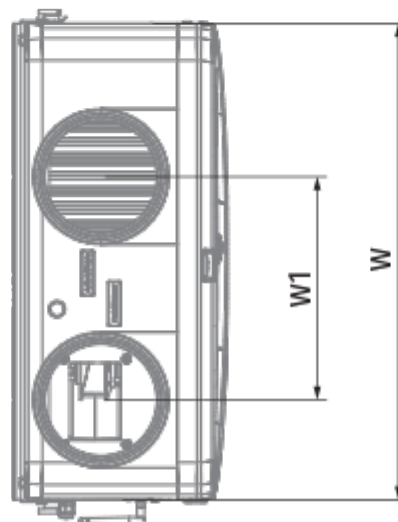
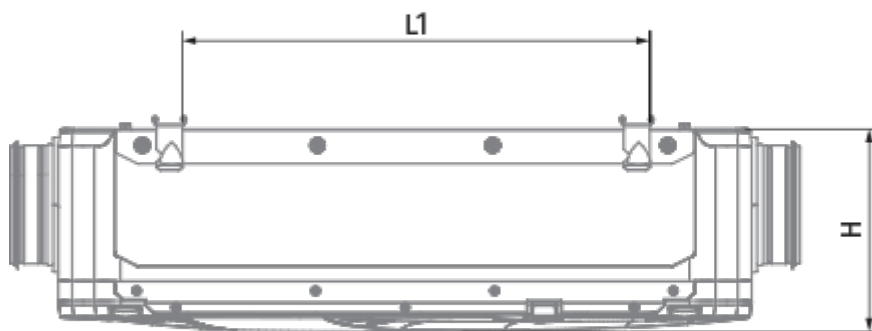
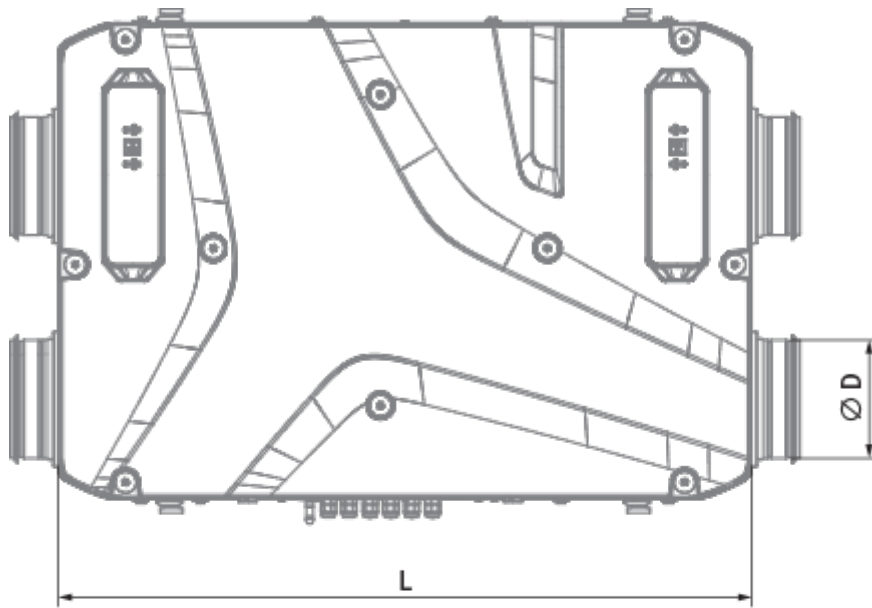
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



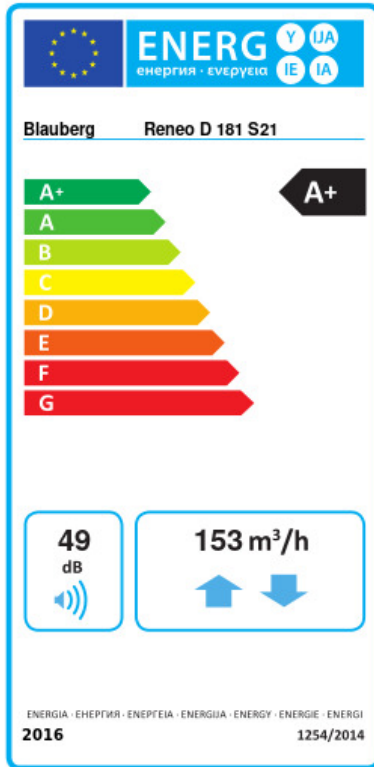


## Dimensions

Ø D	H	L	L1	W / B	W1 / B1
160	272	930	627	640	300



## Ecodesign



Trademark	Blauberg					
Model	Reneo D 181 S21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	82.1	A+	43.2	A+	18.2	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	87					
Maximum flow rate (m <sup>3</sup> /h)	153					
Electric power input (W)	53					
Reference flow rate (m <sup>3</sup> /s)	0.03					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.204					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	49					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	690		153		108	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9060		4631		2094	