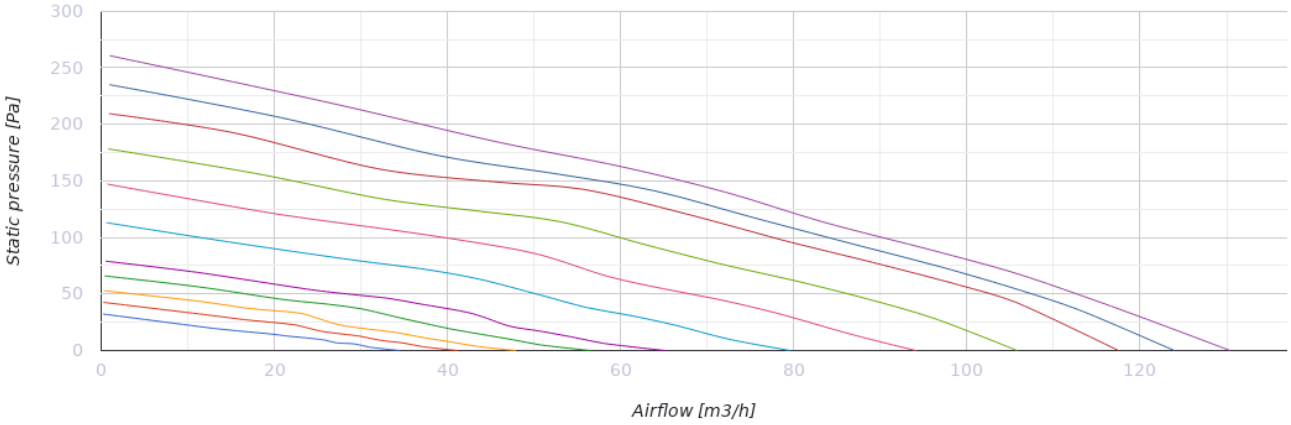
Reneo-Fit D 100 R S14

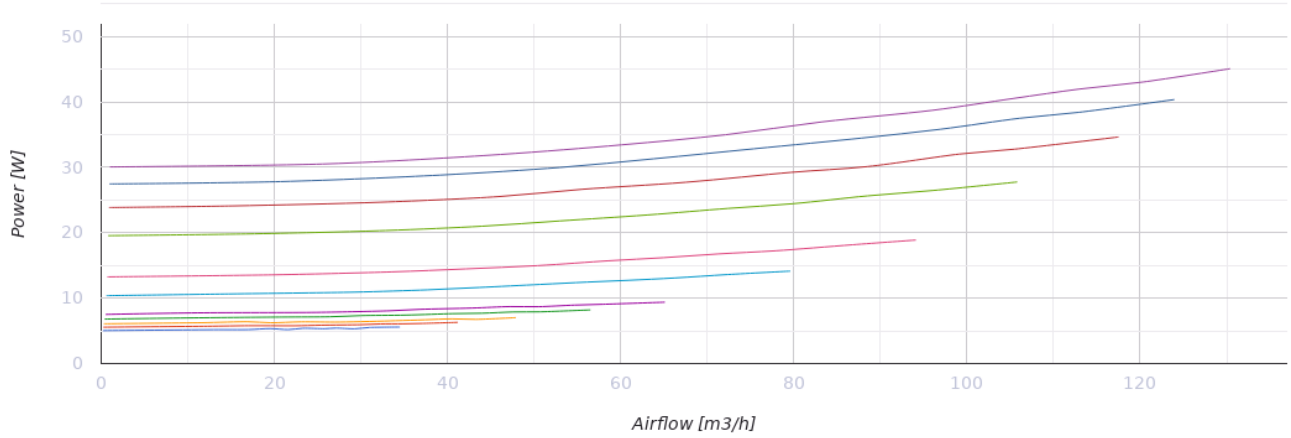
Suspended heat and energy recovery air handling units

- Sound pressure level LpA at 3 m: 25
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Supply filter: G4 / Coarse > 60 % (option: F7 / ePM1 60 %)
- Extract filter: G4 / Coarse > 60 %
- Sound-insulated casing
- Control: Wired control panel
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional

	Unit of measurement	Reneo-Fit D 100 R S14
Connected air duct size	mm	125/100
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	45
Unit current	A	0.34
Maximum airflow	m³/h	130
Sound pressure level LpA at 3 m	dB(A)	25
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	8
Supply filter	-	G4 / Coarse > 60 % (option: F7 / ePM1 60 %)
Extract filter	-	G4 / Coarse > 60 %
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-23
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP22
Ambient air humidity max	%	60

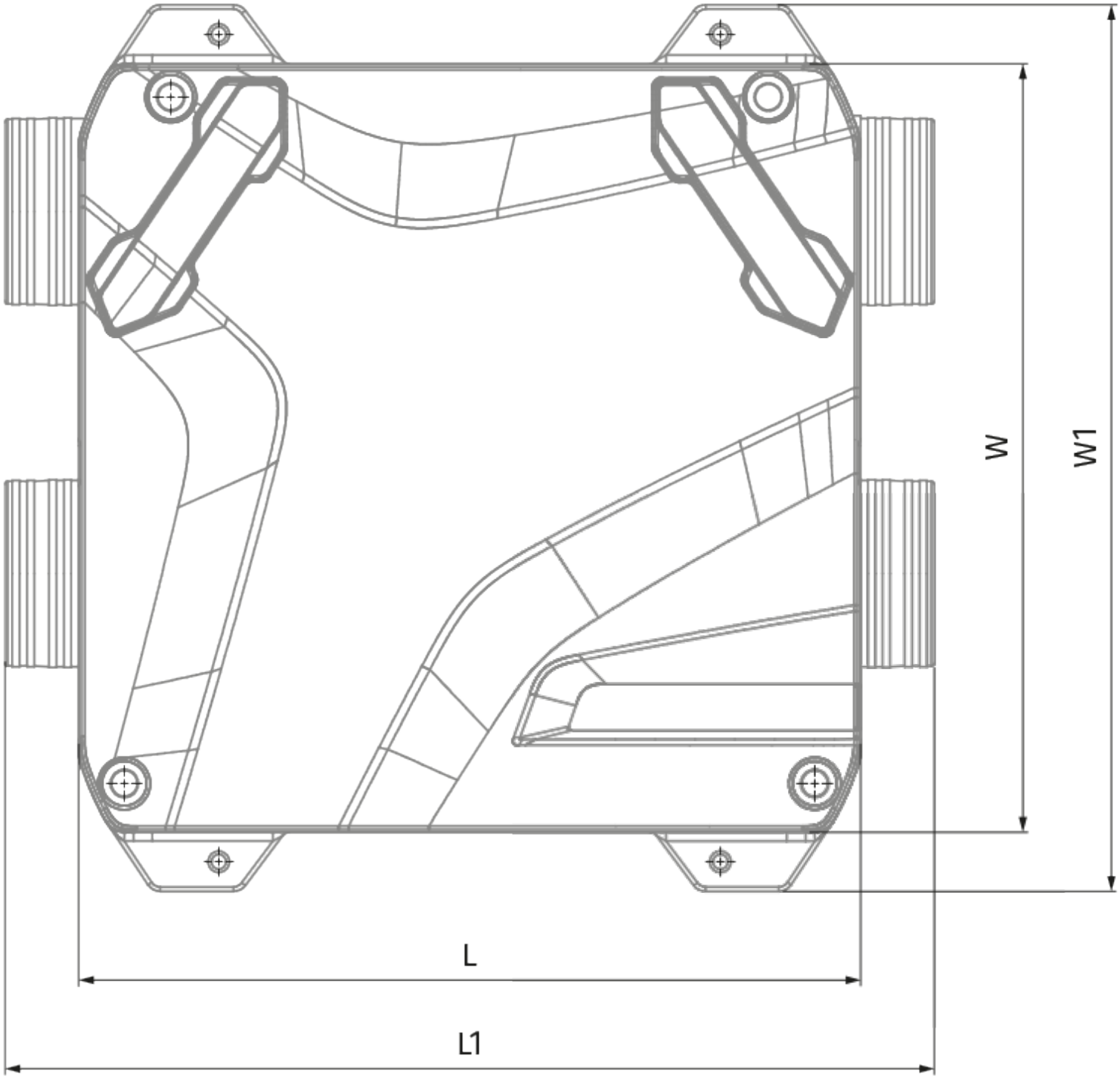
Ingress protection rating of the drive	-	IP44





Dimensions

H	L	L1	W	W1
242	530	630	520	600


W
W1
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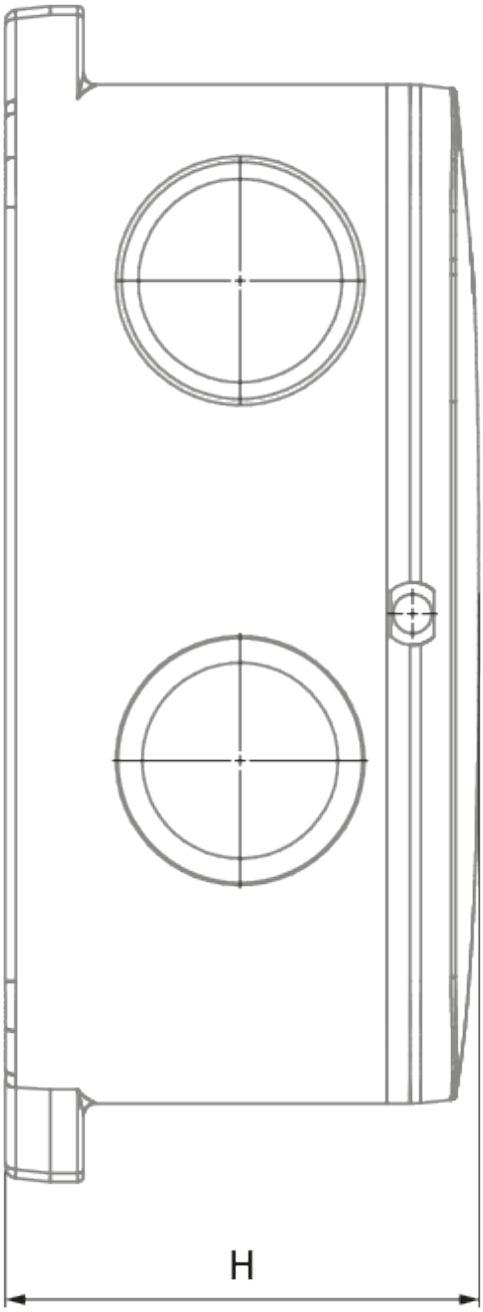
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Ecodesign

Trademark	Blauberg					
Model	Reneo-Fit D 100 R S14					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-81	A+	-42.3	A+	-17.5	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	86					
Maximum flow rate (m³/h)	90					
Electric power input (W)	37					
Reference flow rate (m³/s)	0.018					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.254					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.8					
Maximum external leakage rates (%)	3					
Declared typology	RVU BVU					
Sound power level (dB(A))	45					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	716.4		179.4		134.4	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9019		4610		2085	