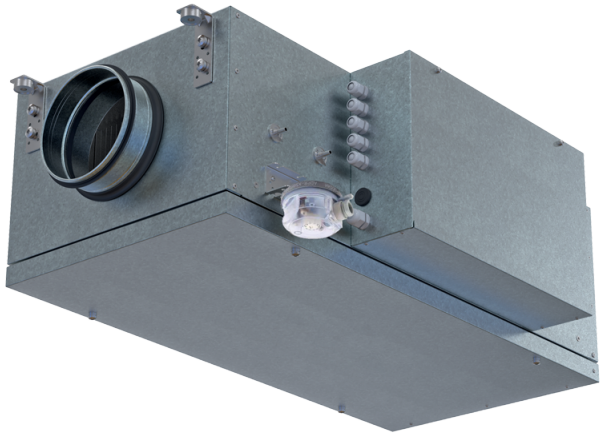
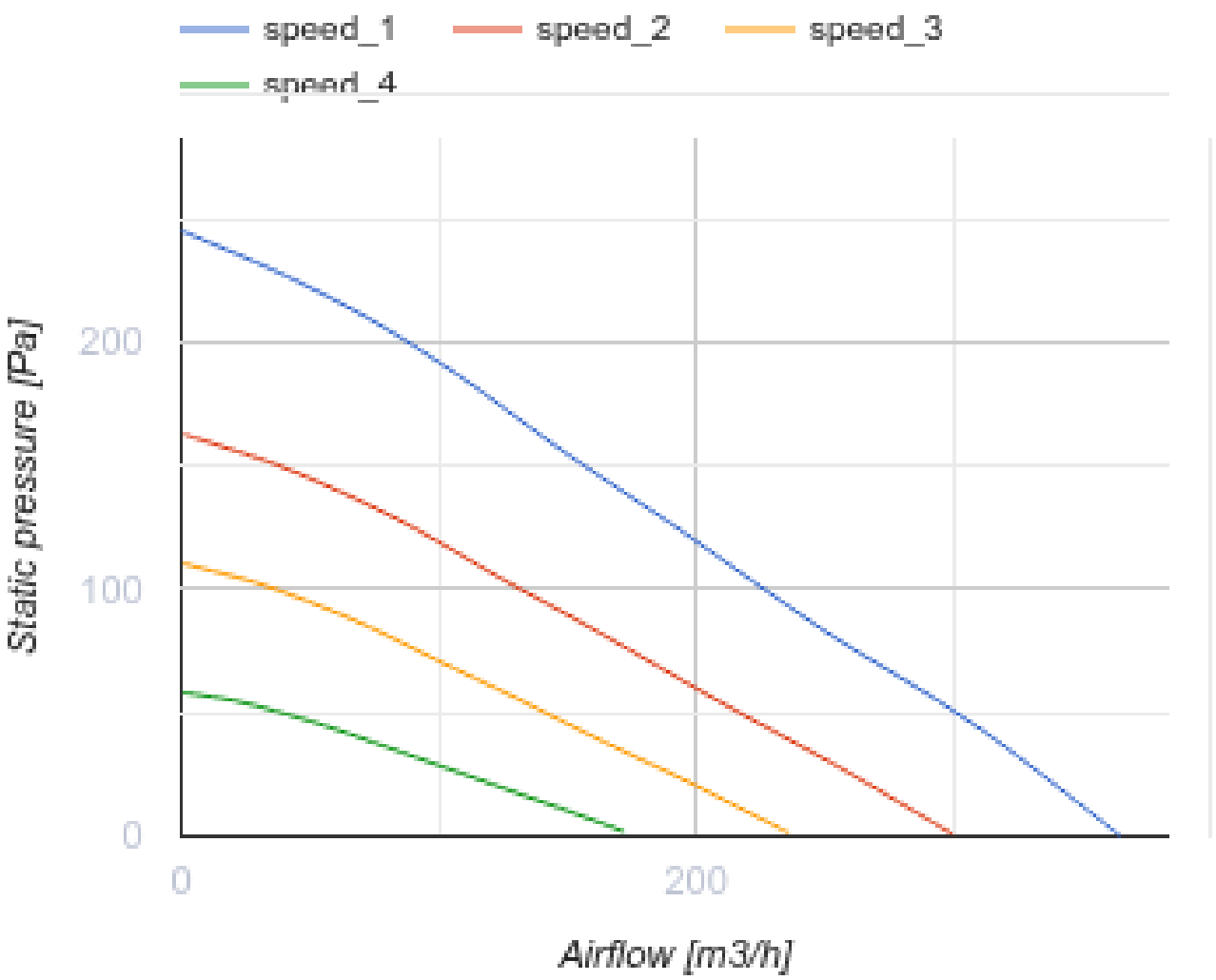


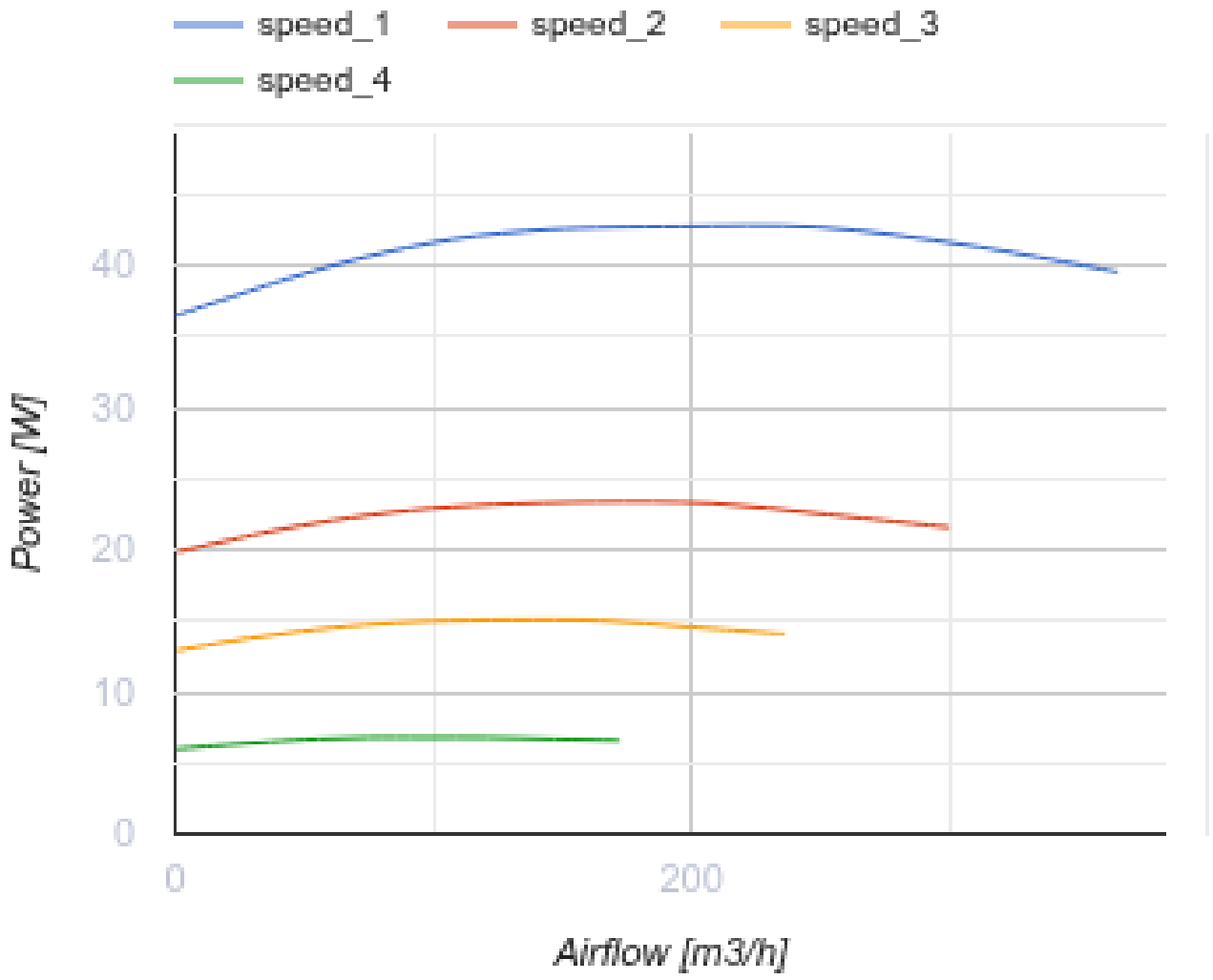
Blaubox EC ME 300-5.1 S31

Supply ventilation units with an electric heater

- Power of electrical reheater: 5100
- Sound pressure level LpA at 3 m: 35
- Filter: Coarce 90% / G4 (option: ePM1 70% / F7)
- Sound-insulated casing
- Reheater: Electric
- BMS protocol: ModBus
- Control: Wired control panel
- Casing material: Aluzinc steel

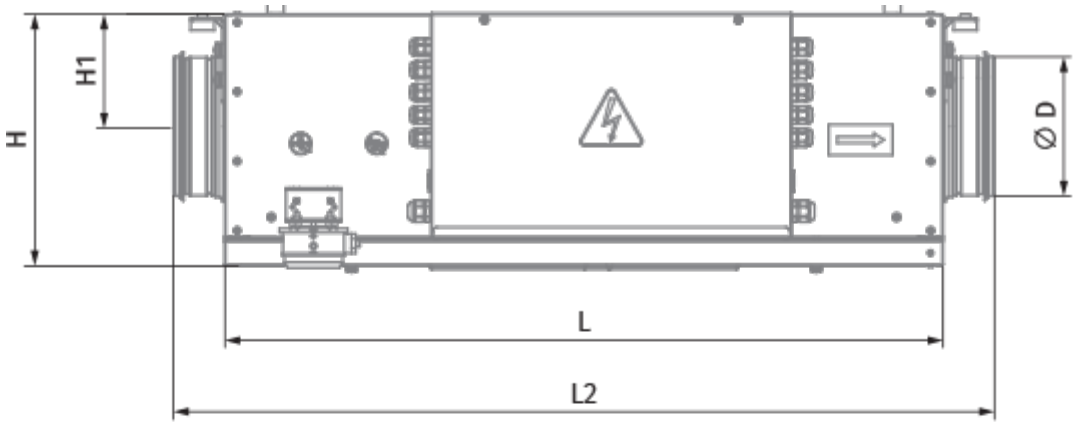
	Unit of measurement	Blaubox EC ME 300-5.1 S31
Connected air duct size	mm	160
Phases	-	3
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	64
Power of electrical reheater	W	5100
Unit current	A	7.4
Maximum airflow	m³/h	354
Sound pressure level LpA at 3 m	dB(A)	35
Weight	kg	24
Filter	-	Coarce 90% / G4 (option: ePM1 70% / F7)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-30
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44

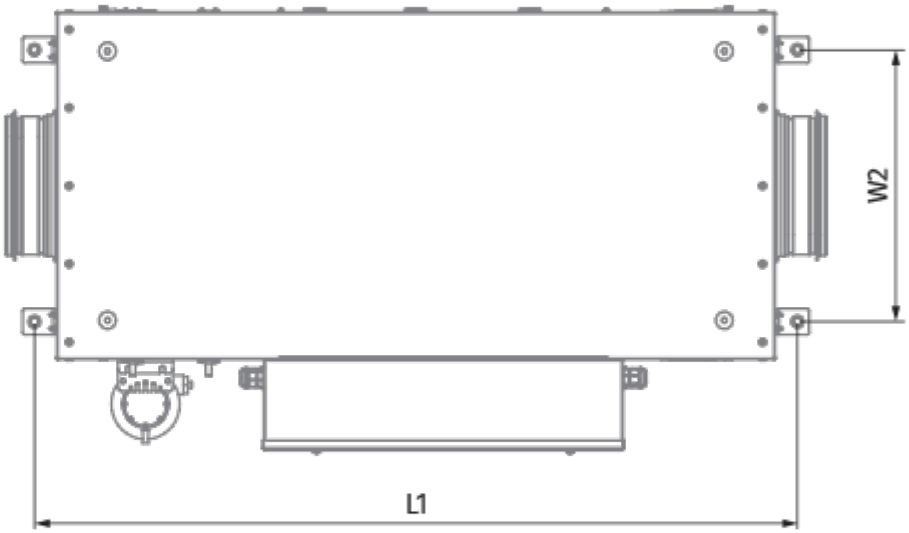

speed_1
speed_2
speed_3
speed_4
Static pressure [Pa]
200
100
0
0
200
Airflow [m3/h]

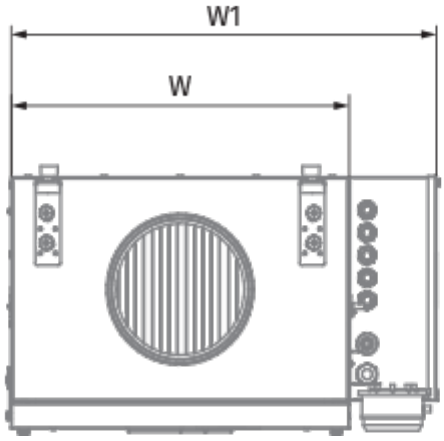


Dimensions

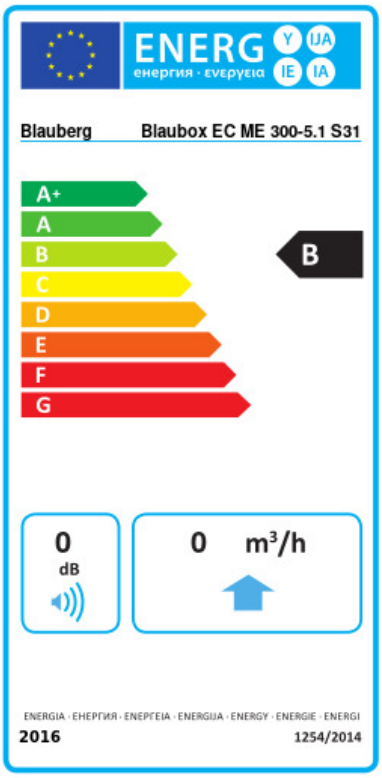
D	H	L	L1	L2	W	W1	W2
160	290	850	903	950	400	514	313


H
H1
Ø D
L
L2


W2
L1


W1
W

Ecodesign



Trademark	Blauberg					
Model	Blaubox EC ME 300-5.1 S31					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-53.9	A+	-26.8	B	-11.3	E
Type of ventilation unit	Unidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	None					
Maximum flow rate (m³/h)	220					
Electric power input (W)	64					
Reference flow rate (m³/s)	0.058					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.114					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Declared typology	RVU UVU					
Sound power level (dB(A))	35					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	60		60		60	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	

Accessories

For round ducts

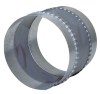
Name	Photo	Description
SD 125/600		Silencers for round ducts
SD 125/900		Silencers for round ducts

SD 125/1200		Silencers for round ducts

For round ducts

Name	Photo	Description
VKA 125		Air dampers for round ducts

For round ducts

Name	Photo	Description
EVA 125		Flexible anti-vibration connectors for round ducts

Other accessories

Name	Photo	Description
FP 334x226x48 ePM1 70% / F7		F7 panel filter
FP 334x226x48 Coarse 90% / G4		G4 panel filter

Electric actuators

Name	Photo	Description
Belimo TF24		Electric actuators
Belimo TF230		Electric actuators