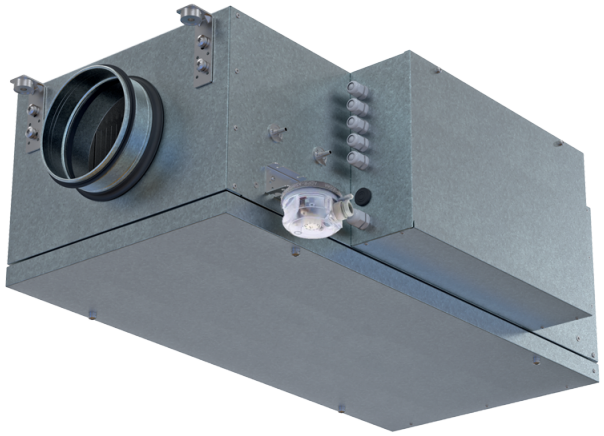
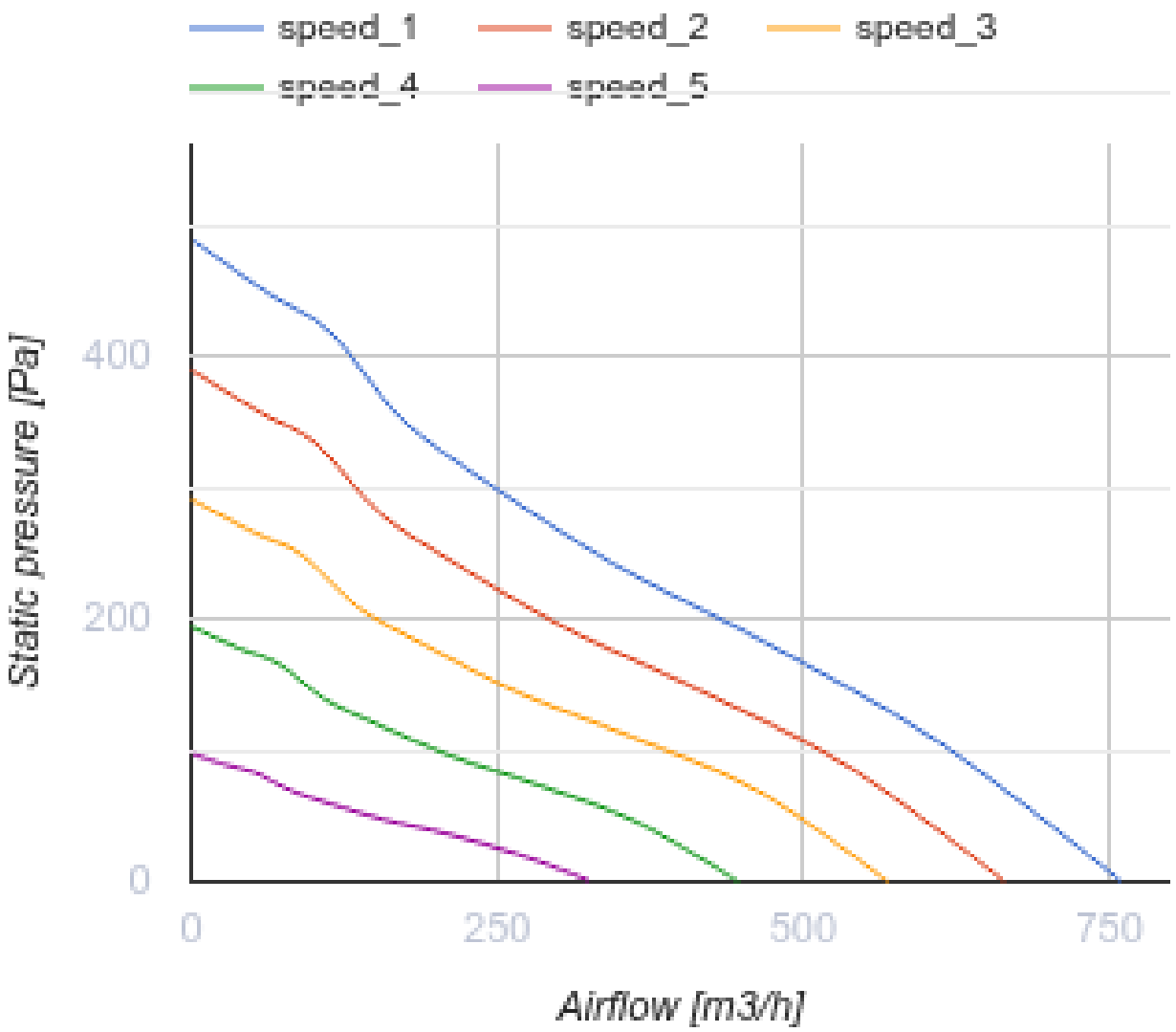


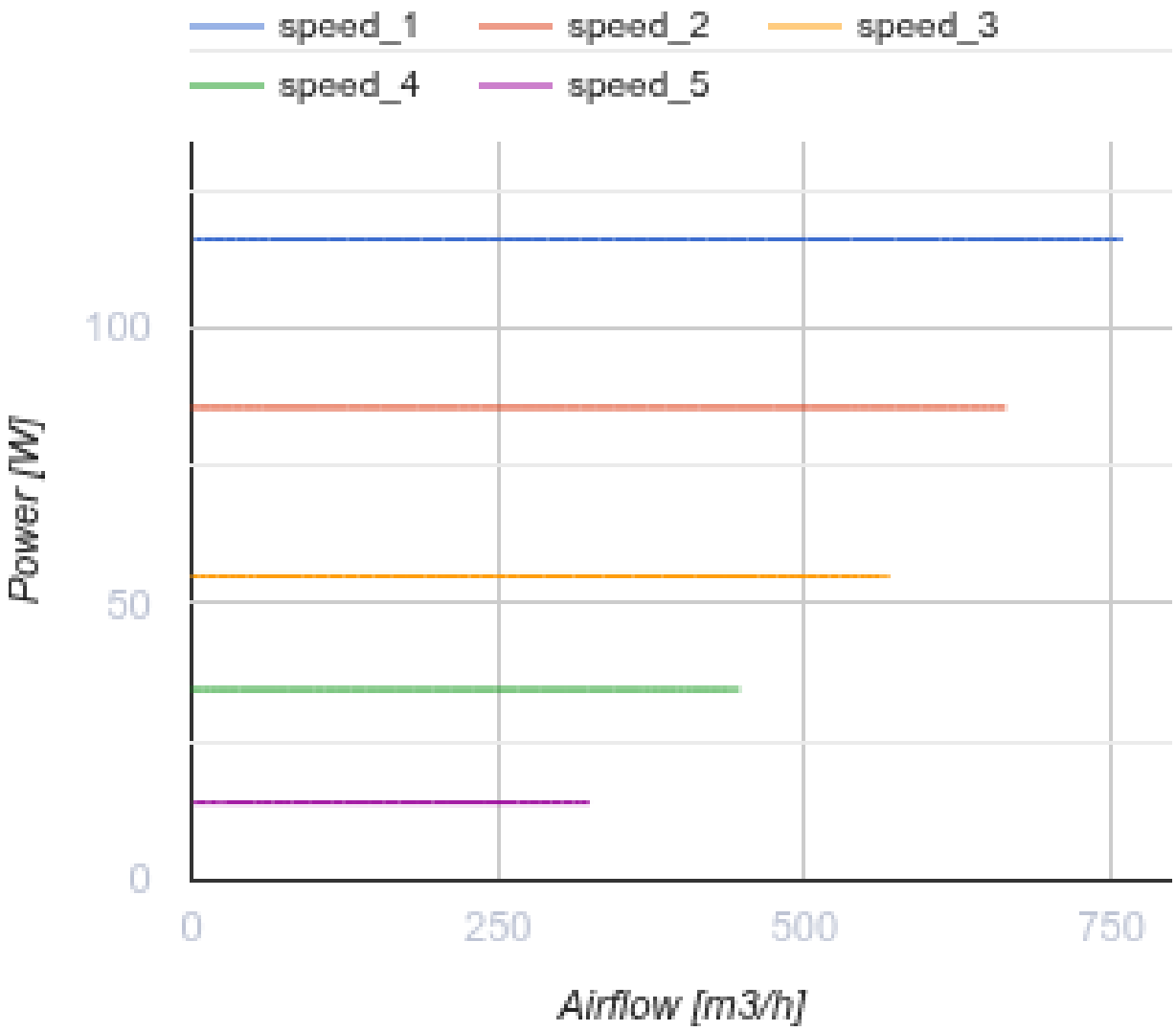
# Blaubox EC ME 700-9 S31

Supply ventilation units with an electric heater

- Power of electrical reheater: 9000
- Sound pressure level LpA at 3 m: 41
- Filter: Coarce 90% / G4 (option: ePM1 70% / F7)
- Sound-insulated casing
- Reheater: Electric
- BMS protocol: ModBus
- Control: Wired control panel
- Casing material: Aluzinc steel

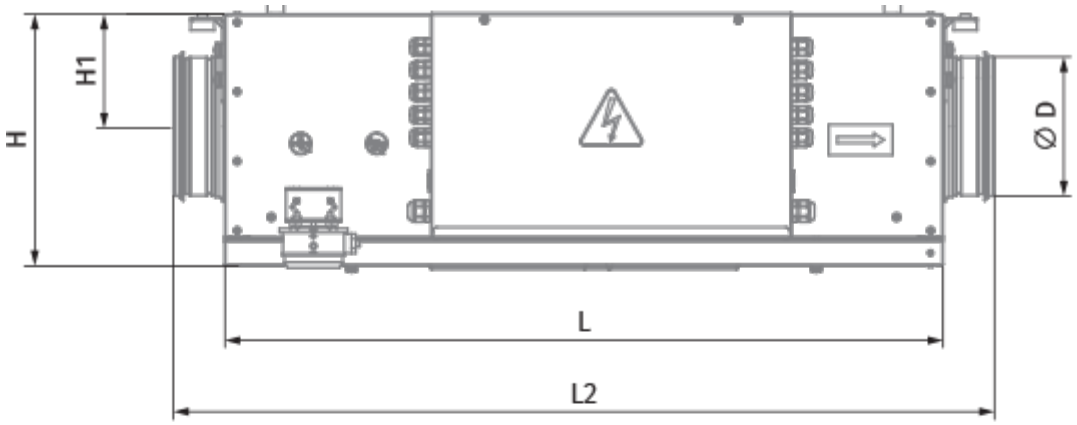
| | Unit of measurement | Blaubox EC ME 700-9 S31 |
|---|---|---|
| Connected air duct size | mm | 250 |
| Phases | - | 3 |
| Minimum supply voltage | V | 400 |
| Maximum supply voltage | V | 400 |
| Power supply frequency | Hz | 50 |
| Rated power | W | 116 |
| Power of electrical reheater | W | 9000 |
| Unit current | A | 14.6 |
| Maximum airflow | m³/h | 760 |
| Sound pressure level LpA at 3 m | dB(A) | 41 |
| Weight | kg | 27 |
| 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 |

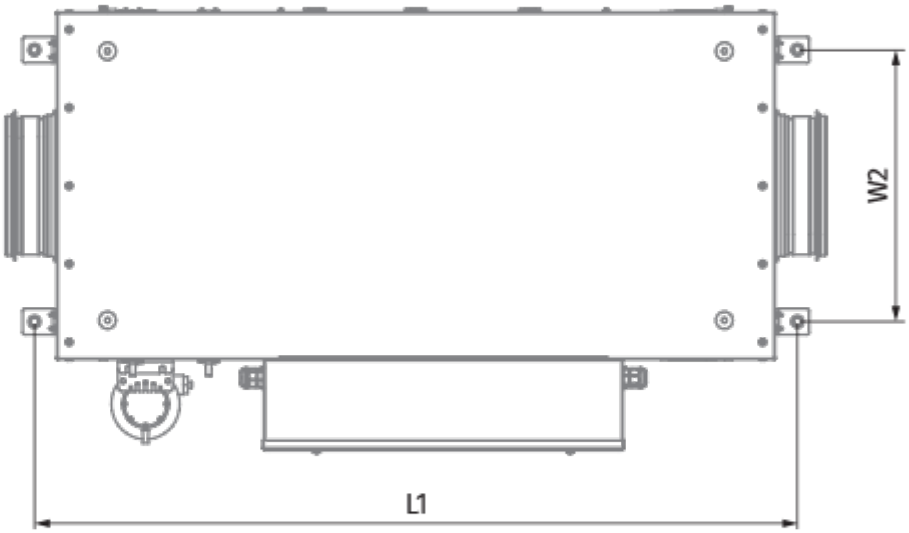

speed_1
speed_2
speed_3
speed_4
speed_5
Static pressure [Pa]
400
200
0
0
250
500
750
Airflow [m3/h]

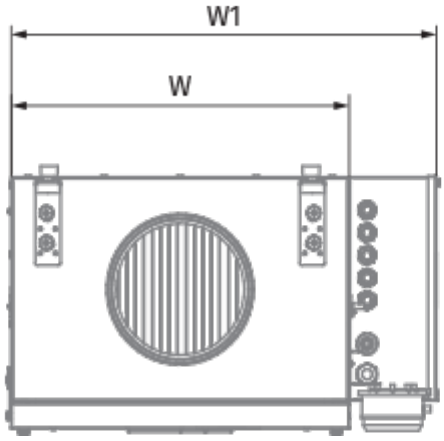



## Dimensions

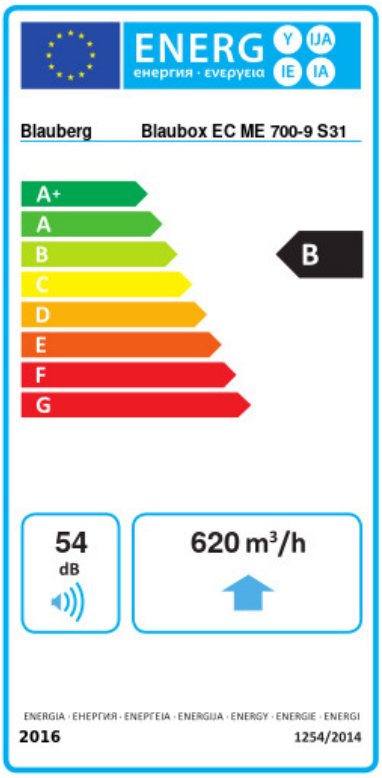
| D | H | L | L1 | L2 | W | W1 | W2 |
|---|---|---|---|---|---|---|---|
| 250 | 350 | 850 | 903 | 972 | 460 | 565 | 353 |


H
H1
Ø D
L
L2


W2
L1


W1
W

## Ecodesign




| Trademark | Blauberg | | | | | |
|---|---|---|---|---|---|---|
| Model | Blaubox EC ME 700-9 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) | 620 | | | | | |
| Electric power input (W) | 116 | | | | | |
| Reference flow rate (m³/s) | 0.139 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.11 | | | | | |
| 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)) | 54 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 58 | | 58 | | 58 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 5536 | | 2830 | | 1280 | |

## Accessories

### For round ducts

| Name | Photo | Description |
|---|---|---|
| SD 250/600 |  | Silencers for round ducts |
| SD 250/900 |  | Silencers for round ducts |

| | | |
|---|---|---|
| SD 250/1200 |  | Silencers for round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| VKA 250 |  | Air dampers for round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| EVA 250 |  | Flexible anti-vibration connectors for round ducts |

### Other accessories

| Name | Photo | Description |
|---|---|---|
| FP 384x287x48 ePM1 70% / F7 |  | F7 panel filter |
| FP 384x287x48 Coarse 90% / G4 |  | G4 panel filter |

### Electric actuators

| Name | Photo | Description |
|---|---|---|
| Belimo TF24 |  | Electric actuators |
| Belimo TF230 |  | Electric actuators |