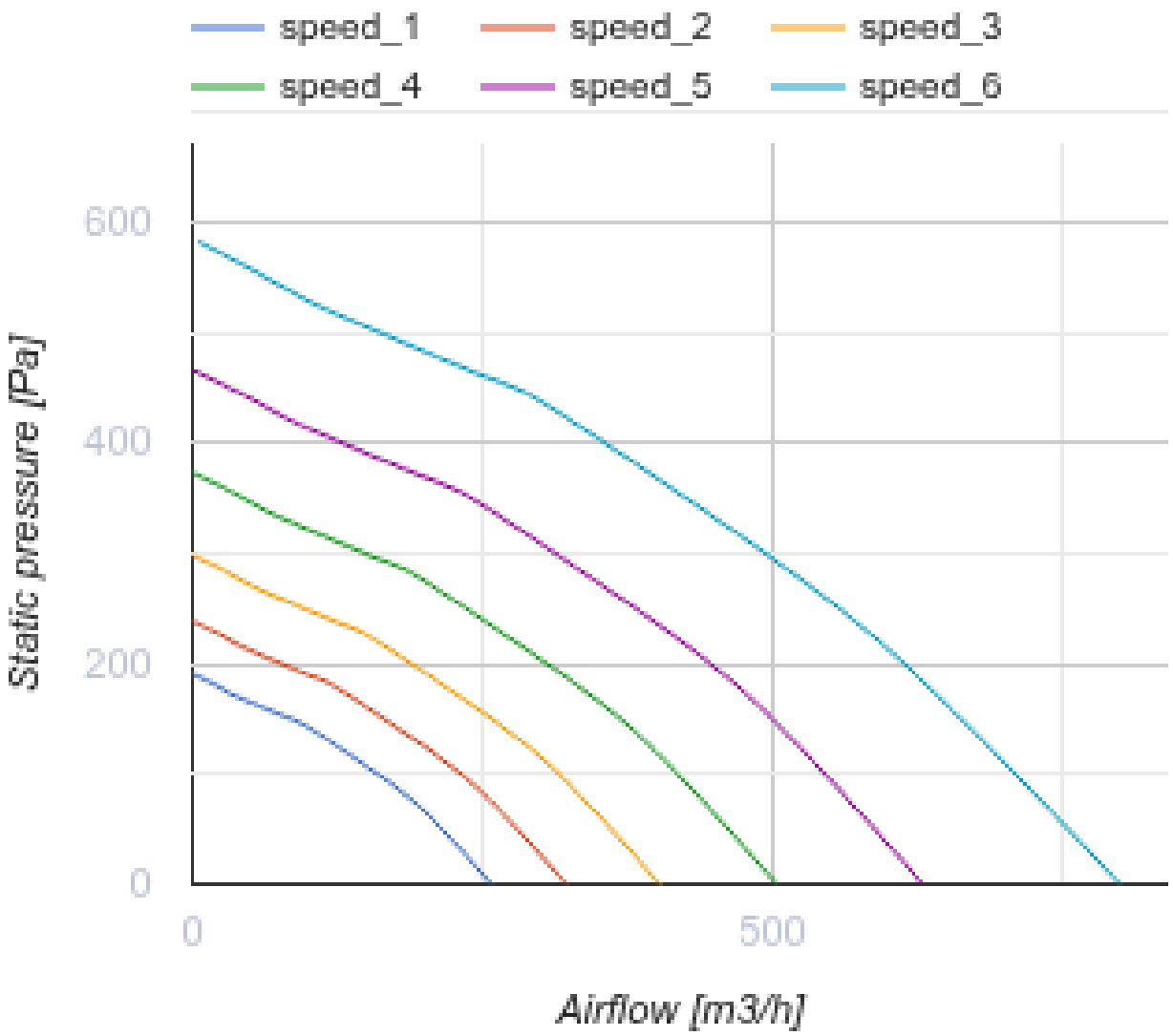
# MPA 700 W EC A31

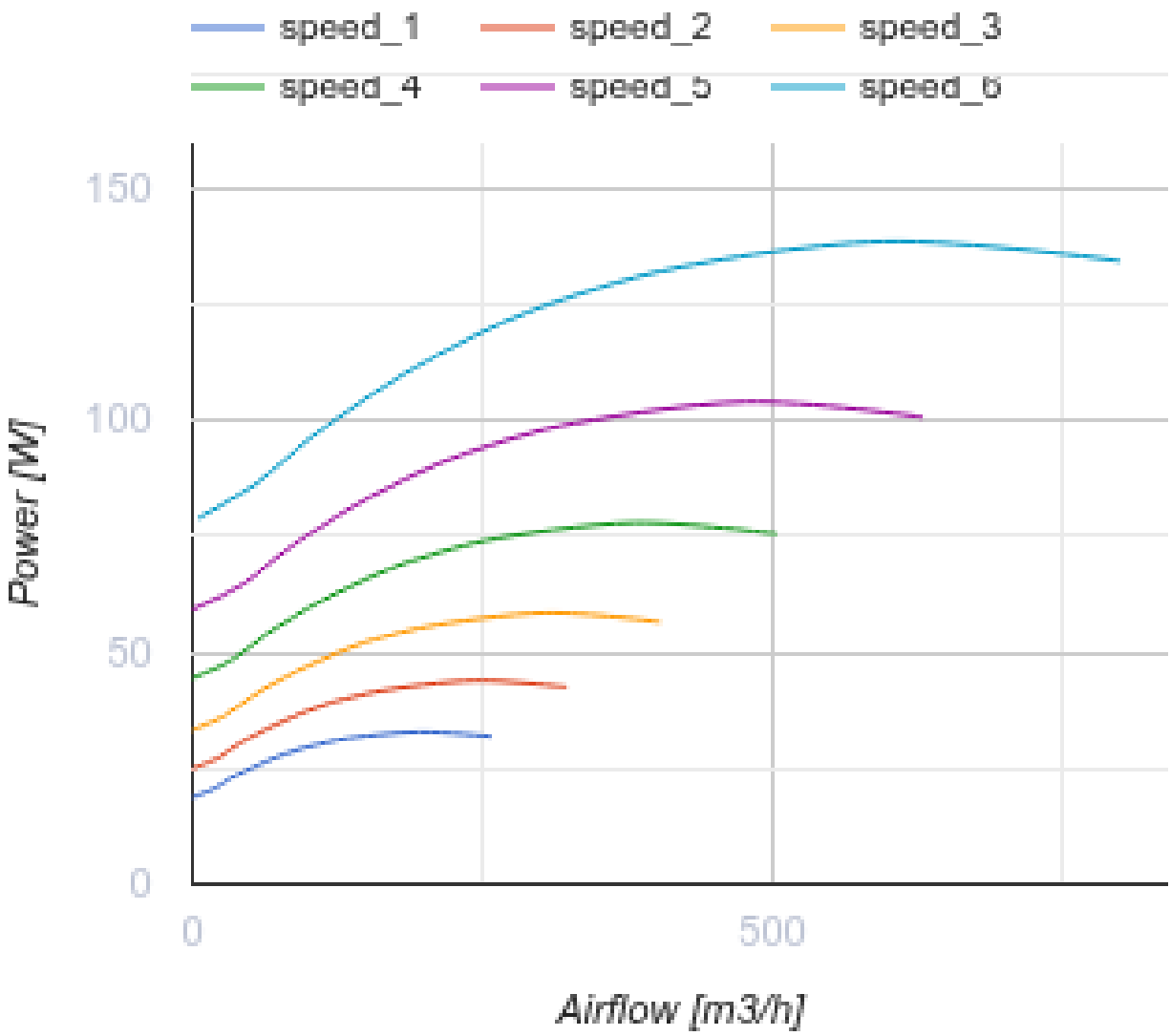


Air supply units in the sound- and heat-insulated casing

- Sound pressure level LpA at 3 m: 44
- Filter: Coarse 90% / G4 (option ePM1 70% / F7)
- Sound-insulated casing
- Reheater: Water
- BMS protocol: ModBus
- Control: Wired control panel
- Casing material: Aluzinc steel

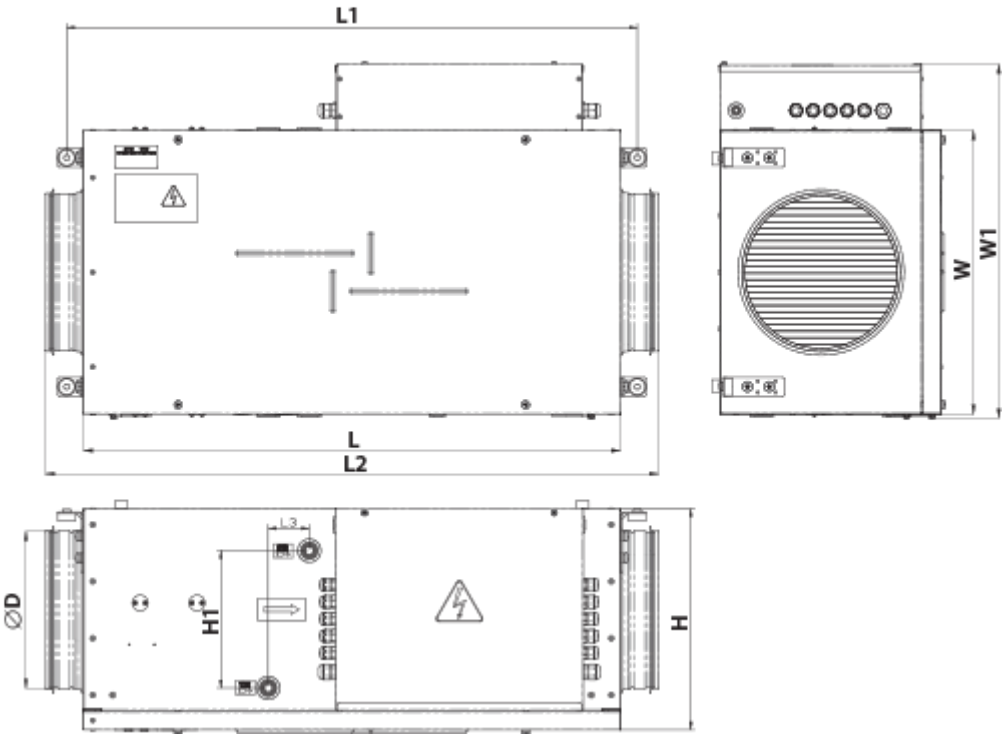
| | Unit of measurement | MPA 700 W EC A31 |
|---|---|---|
| Connected air duct size | mm | 250 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50 |
| Rated power | W | 139 |
| Unit current | A | 1.05 |
| Maximum airflow | m³/h | 800 |
| Sound pressure level LpA at 3 m | dB(A) | 44 |
| Weight | kg | 27 |
| Filter | - | Coarse 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
speed_6
600
400
200
0
Static pressure [Pa]
0
500
Airflow [m3/h]




## Dimensions

| D | H | H1 | L | L1 | L2 | L3 | W | W1 |
|---|---|---|---|---|---|---|---|---|
| 250 | 350 | 218 | 850 | 903 | 972 | 65 | 460 | 565 |




## Accessories

### For round ducts

| Name | Photo | Description |
|---|---|---|
| SR 250/600 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 250/900 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 250/1200 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| KRV 250 |  | Air dampers for automatic air flow control in round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| VVG 250 |  | Flexible anti-vibration inserts for round ducts |

## Electric actuators

| Name | Photo | Description |
|---|---|---|
| Belimo TF24 |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m² performing protection functions |
| Belimo TF230 |  | The actuators are designed for controlling air dampers with cross section up to 0.4 m² performing protection functions |

## Other accessories

| Name | Photo | Description |
|---|---|---|
| SF 384x287x48 G4 |  | Panel filter G4 |
| SF 384x287x48 F7 |  | F7 panel filter |

## Ecodesign

| Trademark | Vents | | | | | |
|---|---|---|---|---|---|---|
| Model | MPA 700 W EC A31 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -52.6 | A+ | -25.5 | C | -10 | F |
| Type of ventilation unit | Unidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | None | | | | | |
| Maximum flow rate (m³/h) | 700 | | | | | |
| Electric power input (W) | 136 | | | | | |
| Reference flow rate (m³/s) | 0.136 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.212 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 54 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 112 | | 112 | | 112 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 5536 | | 2830 | | 1280 | |