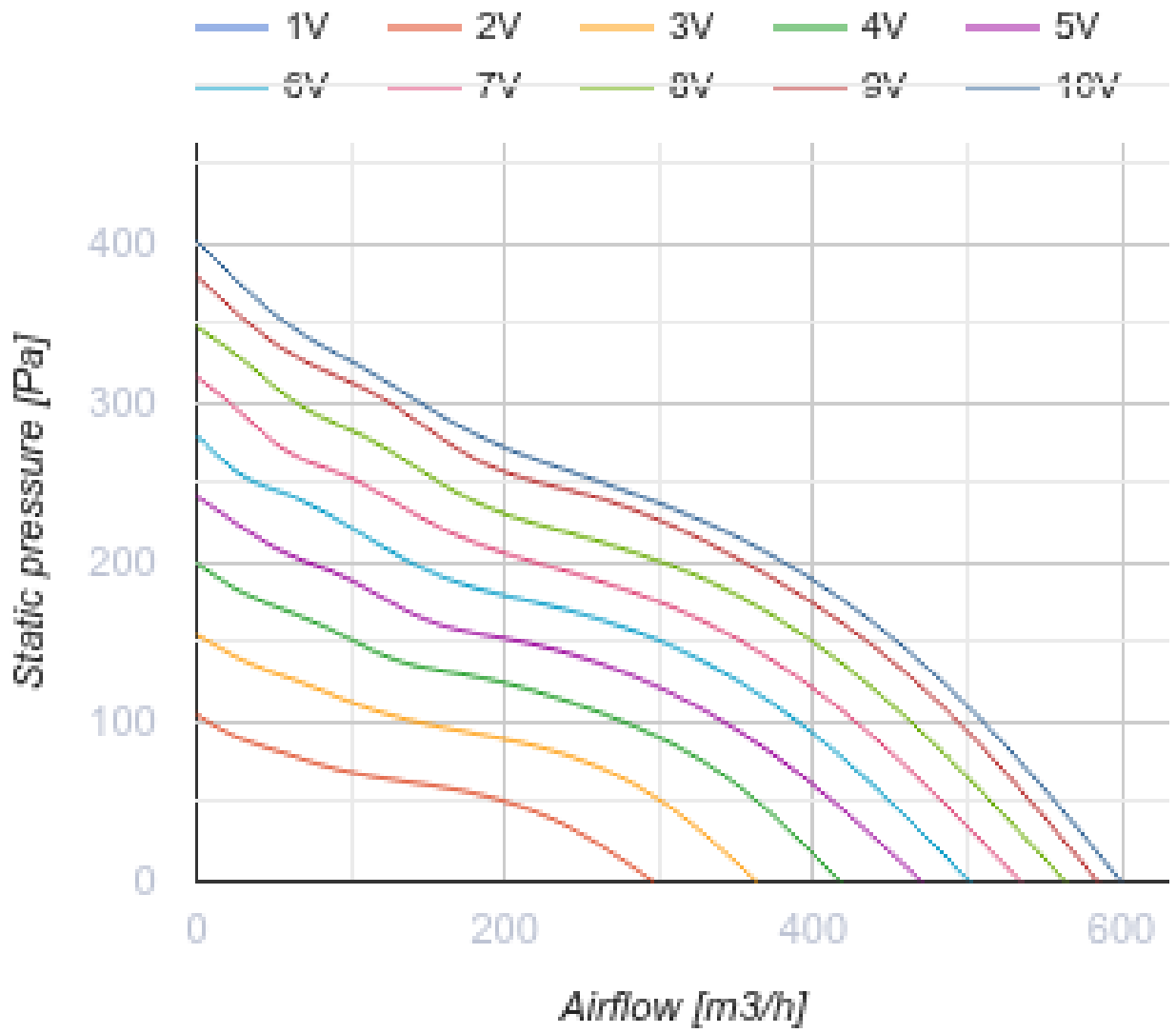
# TT Silent-M 160 EC P

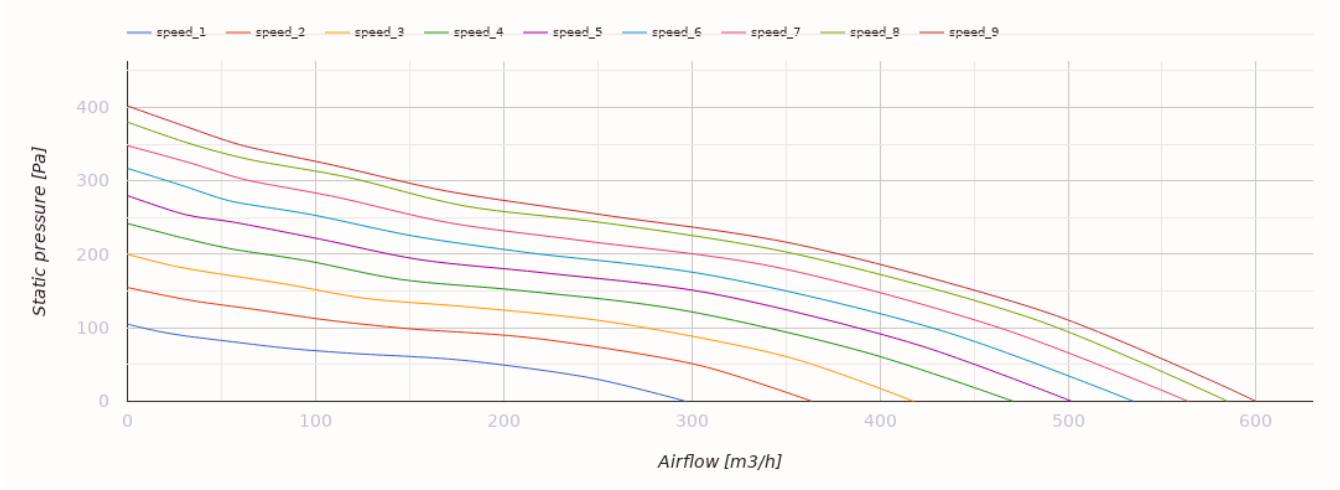
Mixed-flow inline fans in sound-insulated casing with EC-motors

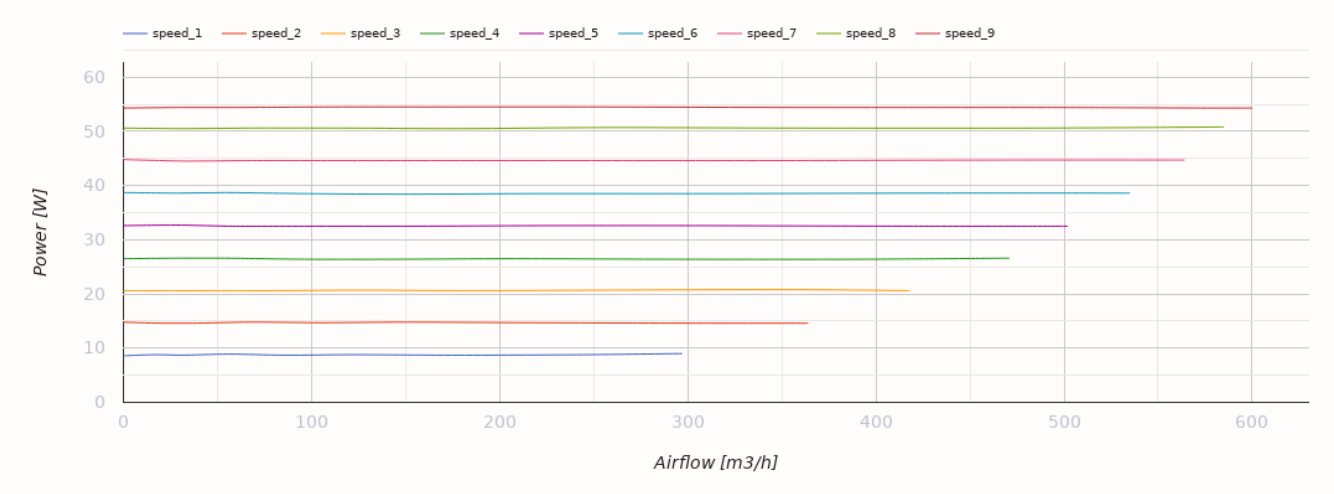


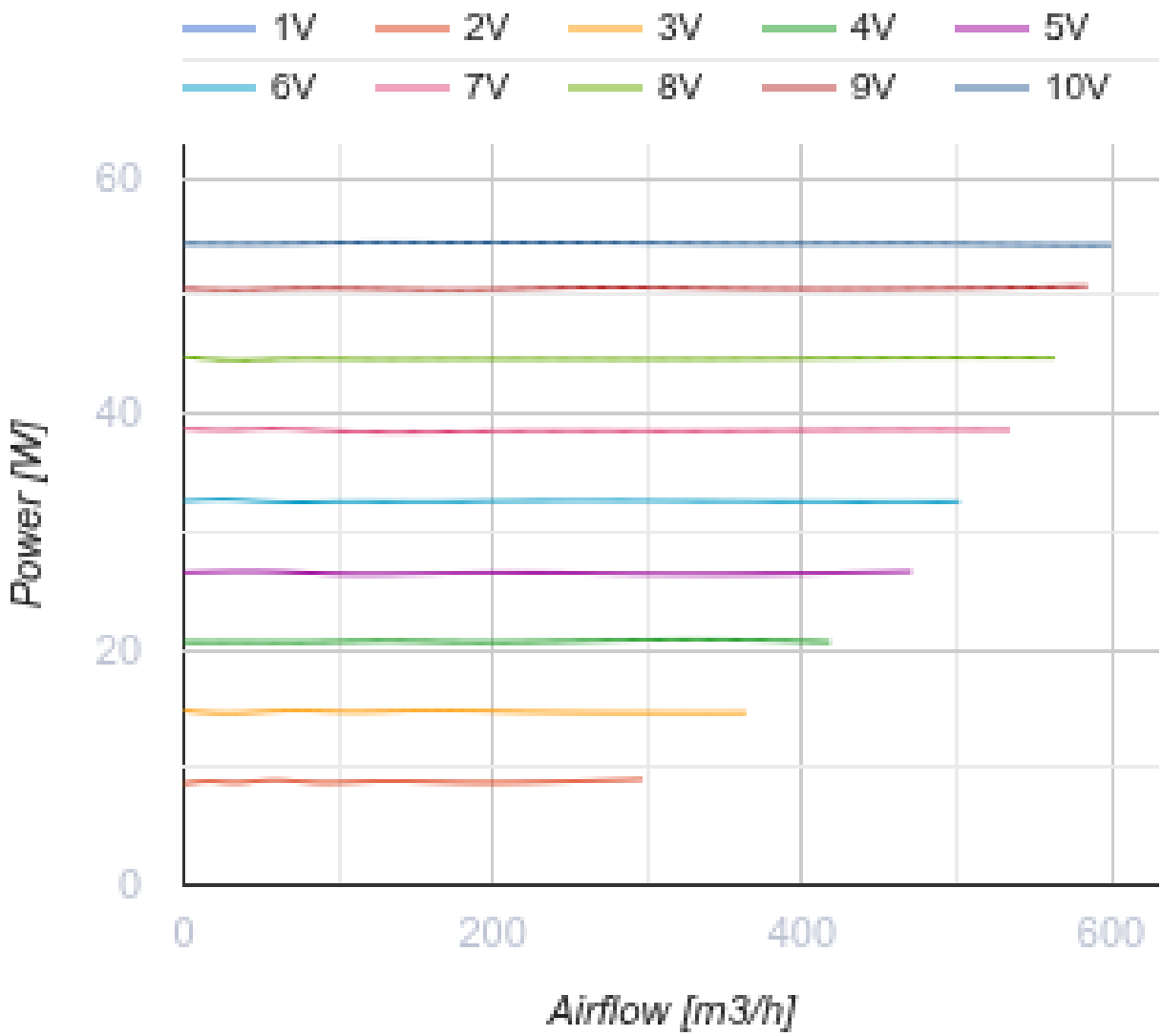
- Sound pressure level LpA at 3 m: 38
- Sound-insulated casing
- Control: Built-in speed controller
- Impeller type: Mixed-flow
- Casing material: Coated steel
- Installation in any position
- Cable with mains plug

| | Unit of measurement | TT Silent-M 160 EC P |
|---|---|---|
| Connected air duct size | mm | 160 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 55 |
| Unit current | A | 0.48 |
| Maximum airflow | $m^3/h$ | 600 |
| Rotation speed at 50hz | - | 3390 |
| Sound pressure level LpA at 3 m | dB(A) | 38 |
| Weight | kg | 6 |
| Transported air temperature (max) | °C | 55 |
| Transported air temperature (min) | °C | -25 |
| Ingress protection rating | - | IPX4 |
| Impeller material | - | Plastic |


1V
2V
3V
4V
5V
6V
7V
8V
9V
10V
Static pressure [Pa]
400
300
200
100
0
0
200
400
600
Airflow [m3/h]

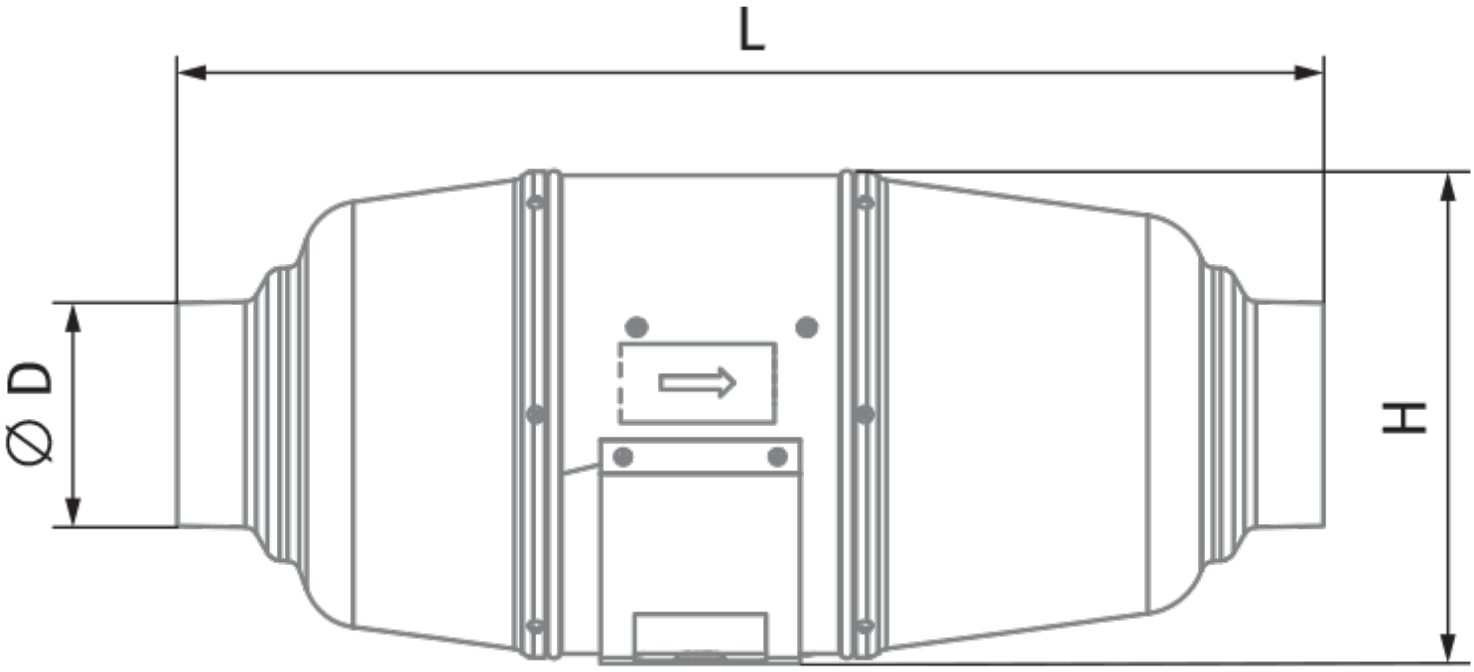

speed_1
speed_2
speed_3
speed_4
speed_5
speed_6
speed_7
speed_8
speed_9
Static pressure [Pa]
400
300
200
100
0
0
100
200
300
400
500
600
Airflow [m3/h]

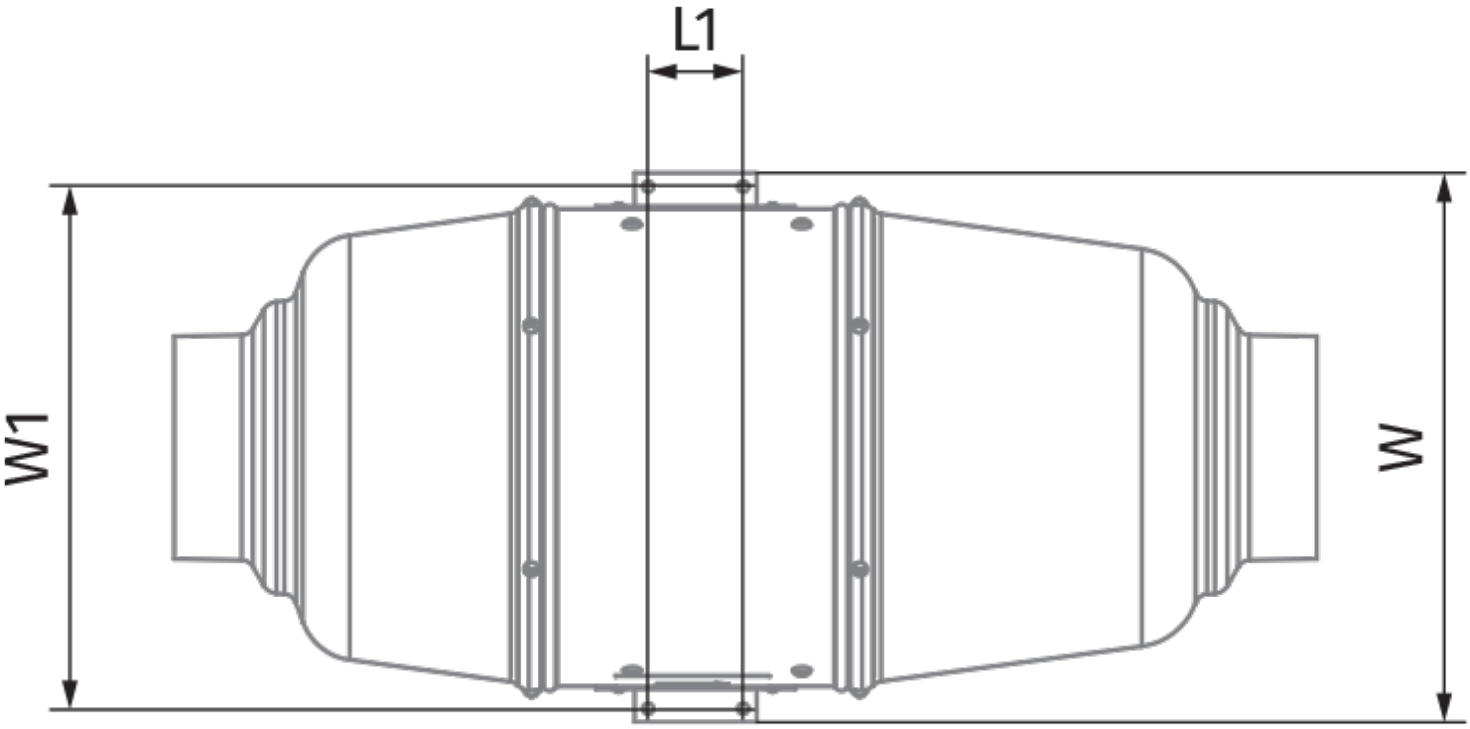

speed_1
speed_2
speed_3
speed_4
speed_5
speed_6
speed_7
speed_8
speed_9
Power [W]
Airflow [m3/h]


1V
2V
3V
4V
5V
6V
7V
8V
9V
10V
Power [W]
Airflow [m3/h]

## Dimensions

| ØD | H | L | L1 | W | W1 |
|---|---|---|---|---|---|
| 157 | 263 | 580 | 44 | 273 | 231 |





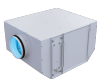
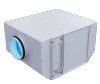
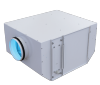

## Accessories

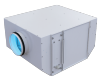
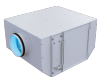
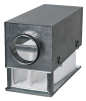
**For round ducts**

| Name | Photo | Description |
|---|---|---|

| | | |
|---|---|---|
| SR 160/600 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 160/900 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SR 160/1200 |  | Silencers made of galvanized steel filled with non-combustible sound-absorbing material |
| SRF 160/2000 |  | Silencers made of aluminium alloy filled with non-combustible sound-absorbing material |
| SRP 160/500 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/600 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/750 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/900 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/1200 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/1500 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |
| SRP 160/2000 |  | Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| FB K2 160 G4/F8 UV |  | Filter boxes with a high purification level and air disinfection |
| FB K2 160 G4/C/F8 UV |  | Filter boxes with a high purification level and air disinfection |
| FB K2 160 G4/H13 UV |  | Filter boxes with a high purification level and air disinfection |

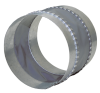
| | | |
|---|---|---|
| FB K2 160 G4/C/H13 UV |  | Filter boxes with a high purification level and air disinfection |
| FB K2 160 UV |  | Filter boxes with a high purification level and air disinfection |
| FB 160 |  | Round panel air filters |
| FBV 160 |  | Round panel air filters with a large filtration area |
| FBK 160-4 |  | Round bag air filters |
| FBK 160-5 |  | Round bag air filters |
| FBK 160-7 |  | Round bag air filters |

### For round ducts

| Name | Photo | Description |
|---|---|---|
| KOM 160 |  | Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts |
| KOMu 160 |  | Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts |
| KOM1 160 |  | Backdraught gravity damper for shutting off air flow in round air ducts |
| KR 160 |  | Air dampers for controlling air flow in round air ducts |
| KRV 160 |  | Air dampers for automatic air flow control in round ducts |

### For round ducts

| Name | Photo | Description |
|---|---|---|

| | | |
|---|---|---|
| VVG 160 |  | Flexible anti-vibration inserts for round ducts |

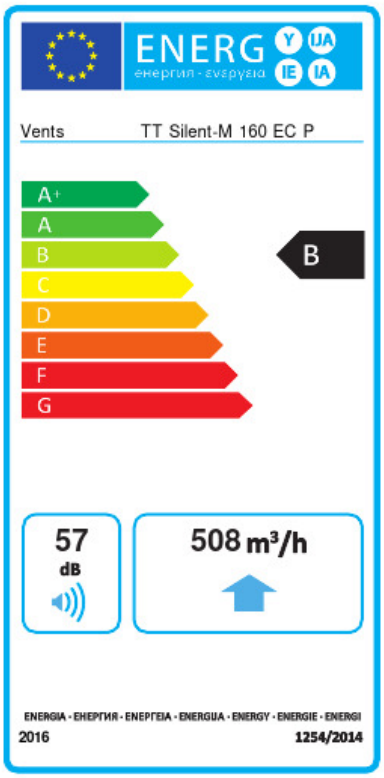
### Water heaters

| Name | Photo | Description |
|---|---|---|
| NKV 160-2 |  | Inline water supply air heaters or heater for air handling units with a round cross-section |
| NKV 160-4 |  | Inline water supply air heaters or heater for air handling units with a round cross-section |

### Electrical heaters

| Name | Photo | Description |
|---|---|---|
| NK 160-1,2-1 |  | Round electric inline heaters with round cross-section |
| NK 160-1,7-1 |  | Round electric inline heaters with round cross-section |
| NK 160-2,0-1 |  | Round electric inline heaters with round cross-section |
| NK 160-2,4-1 |  | Round electric inline heaters with round cross-section |
| NK 160-3,4-1 |  | Round electric inline heaters with round cross-section |
| NK 160-3,6-3 |  | Round electric inline heaters with round cross-section |
| NK 160-5,1-3 |  | Round electric inline heaters with round cross-section |
| NK 160-6,0-3 |  | Round electric inline heaters with round cross-section |

## Ecodesign




| Trademark | Vents | | | | | |
|---|---|---|---|---|---|---|
| Model | TT Silent-M 160 EC P | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -54.6 | A+ | -27.5 | B | -12 | E |
| Type of ventilation unit | Unidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | None | | | | | |
| Maximum flow rate (m³/h) | 508 | | | | | |
| Electric power input (W) | 54.3 | | | | | |
| Reference flow rate (m³/s) | 0.099 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.058 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU UVU | | | | | |
| Sound power level (dB(A)) | 57 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 31 | | 31 | | 31 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 5536 | | 2830 | | 1280 | |