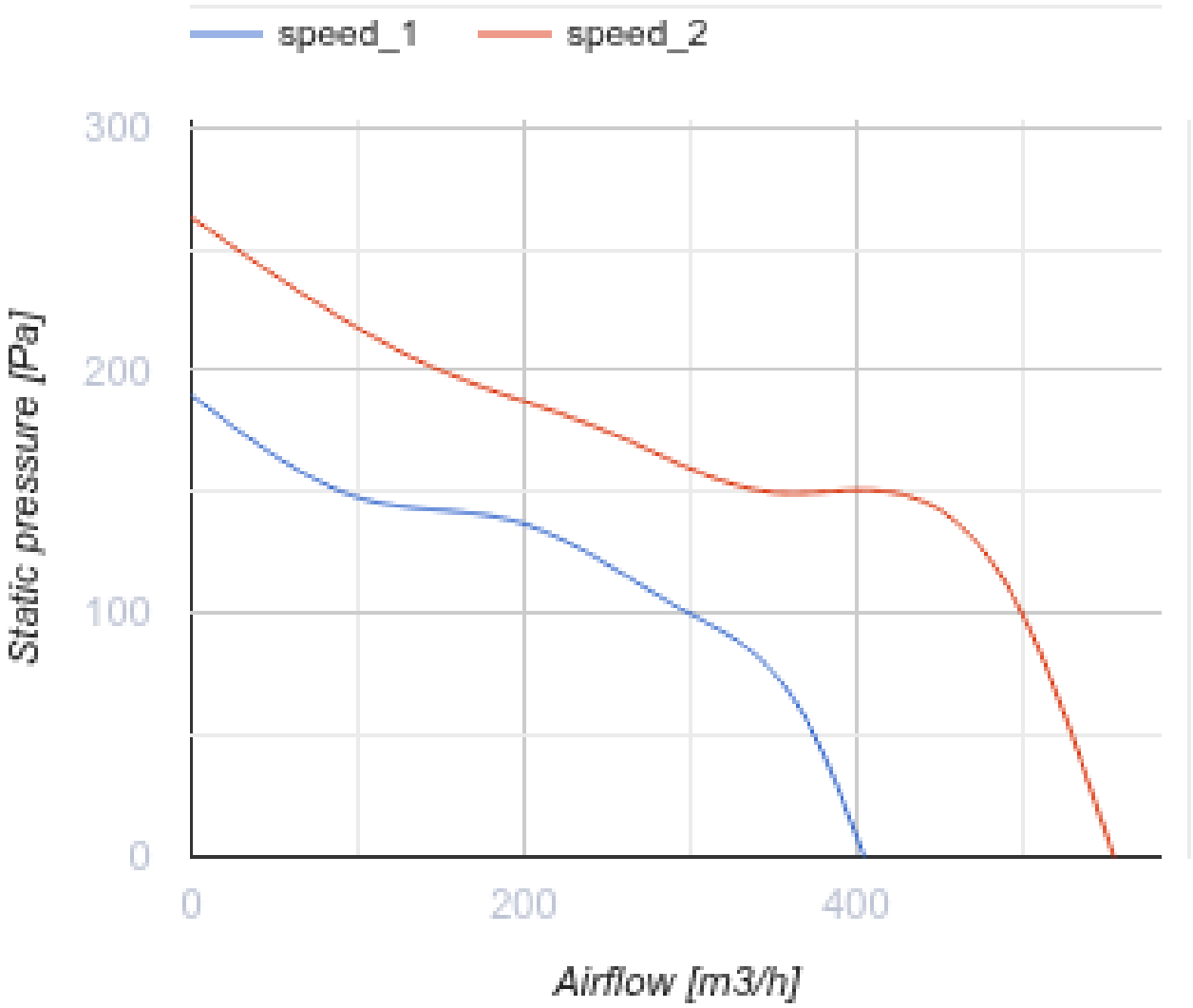
# TT Silent-M 160 T

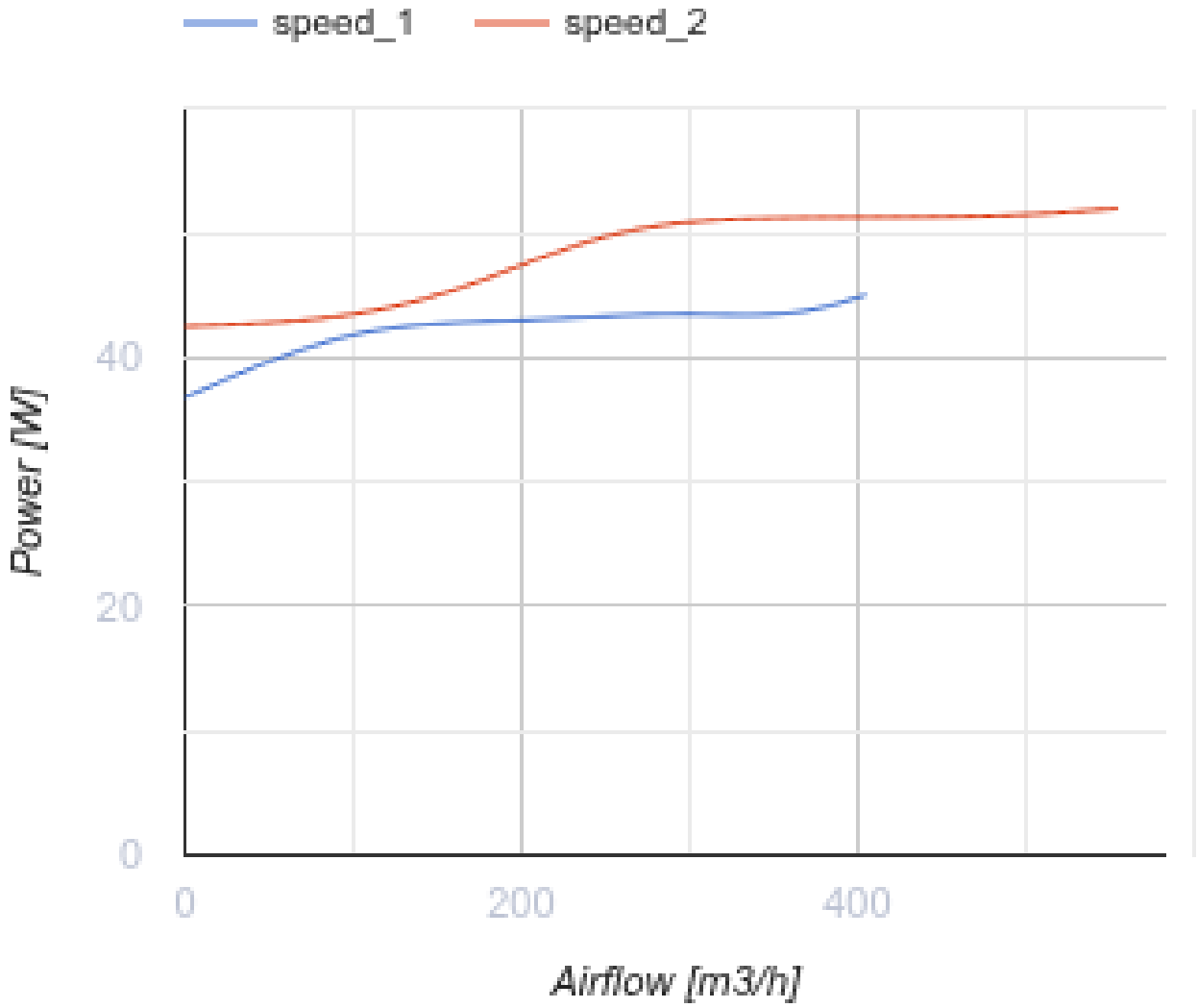


Mixed-flow inline fans in sound-insulated casing

- Sound pressure level LpA at 3 m: 33
- Sound-insulated casing
- Impeller type: Mixed-flow
- Casing material: Coated steel
- Installation in any position
- Timer: Turn off timer

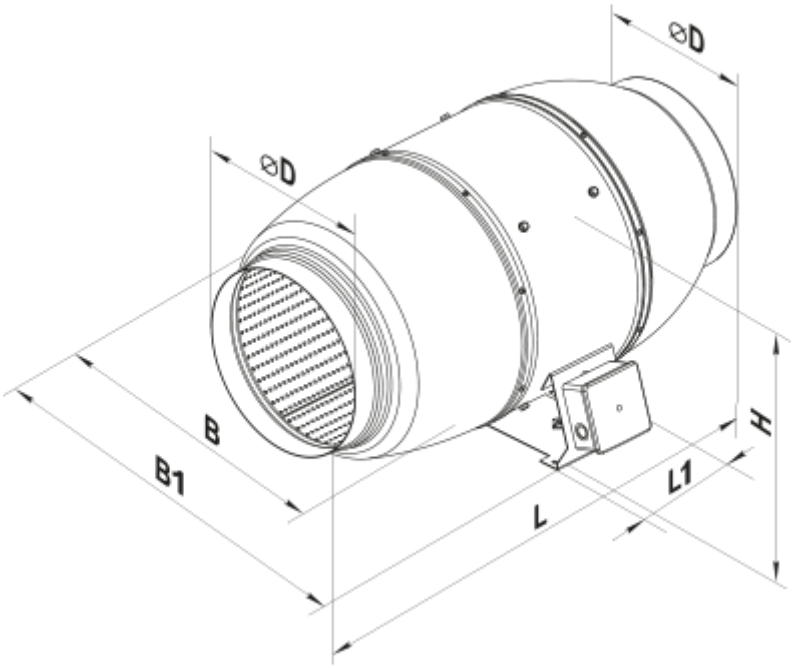
| | Unit of measurement | TT Silent-M 160 T | |
|---|---|---|---|
| Speed | - | 1 | 2 |
| Connected air duct size | mm | 160 | |
| Phases | - | 1 | |
| Minimum supply voltage | V | 230 | |
| Maximum supply voltage | V | 230 | |
| Power supply frequency | Hz | 50/60 | |
| Rated power | W | 45 | 52 |
| Unit current | A | 0.2 | 0.23 |
| Maximum airflow | $m^3/h$ | 405 | 555 |
| Rotation speed at 50hz | - | 1970 | 2645 |
| Sound pressure level LpA at 3 m | dB(A) | 26 | 33 |
| Weight | kg | 6.2 | |
| Transported air temperature (max) | °C | 60 | |
| Ingress protection rating | - | IPX4 | |
| Ingress protection rating of the drive | - | IPX4 | |
| Impeller material | - | Plastic | |


speed_1
speed_2
300
200
100
0
Static pressure [Pa]
0
200
400
Airflow [m3/h]




## Dimensions

| ØD | B | B1 | H | L | L1 |
|---|---|---|---|---|---|
| 157 | 231 | 273 | 263 | 580 | 44 |



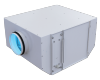
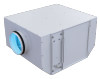
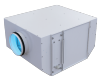
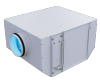
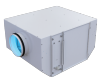

## Accessories

### For round ducts

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

### Water heaters

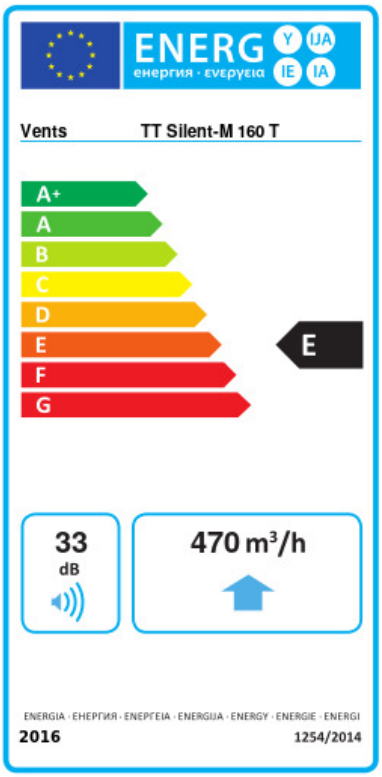
| Name | Photo | Description |
|---|---|---|
| NKV 160-2 |  | Inline water supply air heaters or heater for air handling units with a round cross-section |

| | | |
|---|---|---|
| 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 T | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -52.8 | A+ | -25.7 | C | -10.2 | E |
| Type of ventilation unit | Unidirectional | | | | | |
| Type of drive installed | Multi-speed | | | | | |
| Type of heat recovery system | None | | | | | |
| Maximum flow rate (m³/h) | 470 | | | | | |
| Electric power input (W) | 52 | | | | | |
| Reference flow rate (m³/s) | 0.091 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.137 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Declared typology | RVU UVU | | | | | |
| Sound power level (dB(A)) | 33 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 102 | | 102 | | 102 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 5536 | | 2830 | | 1280 | |