



REGULATION VARIABLE FLOW

RPM-V - RPMC-V SERIES

RPM-V
RPMC-V

Air flow regulator, with variable flow. Circular
Air flow regulator, with variable flow. Square

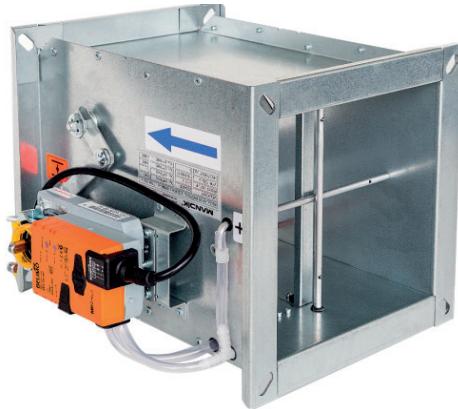


SAMOVENT[®]
TECHNIK

DIFUSIÓN Y VENTILACIÓN



RPM-V



RPMC-V



RPM-V SERIES

VARIABLE FLOW DAMPER



Model RPM-V. The air volume controllers are meant for systems with a variable air volume that is used for input or output air. The required amount of air that is taken into the individual rooms or working areas is variable with respect to time and can be changed according to momentary need when the controllers are installed. Total power of air-conditioning system can be lower. This variable systems enable a more economical operation air-conditioning systems and while ensuring individual well-being on the premises setting. The controller consists of the body of the controller with a control blade and pressure probes for determining the through-flow of air. An compact controller is affixed to the body for controlling the control blade.

Characteristics:

- Type of regulation:
control of air flow
control of pressure in the duct
control of pressure in the room
- Nominal size: DIM 80 a DIM 630
- Length L = 450 / 600 mm according to nominal size. Tightness acc. to EN 1751 External casing leakage class C. Tightness through the damper blade: class 4
- Air flow volume 18 ÷ 7 900 m³/h (for 12m/s is max. Air flow vol. 13 500 m³/h*)
- Accuracy ± 8 % for velocity up to 3 m/s and ± 5 % for higher velocity.
- Air-velocity Standard set-up is in range from min. 1 m/s to 7 m/s by Belimo, Gruner or Siemens actuators

Working conditions:

- The faultless functioning of the controllers is ensured under the following conditions:
 - a) maximum speed of air flow 7 m/s
 - b) maximum pressure in the duct 1000 Pa
 - c) the air circulation in the whole controller section must be secured as steady on whole surface - see point 4.1.
- Controllers are designed for macroclimatic areas with mild climate according to EN 60 721-3-3.
- Controllers are suitable for systems without abrasive, chemical and adhesive particles.
- Temperature in the place of installation is permitted to range from 0°C to +50°C.
- The controllers are supplied without insulation or in an insulated design. Insulation thickness is 50 mm.aislado. El grosor del aislamiento es de 50 mm.

Models:

RPM-V.01

For control with 0(2)...10 V signal or MP-BUS protocol.

RPM-V.02

For control with signal 0(2)...10 V or using Modbus RTU, BACnet or MP-BUS protocol

Optional:

RPM-V.75

RPM-V.78

RPM-V.91

RPM-V.92

* see model descriptions in table.

| | | | | | | | |
|---|----------------------------|------------------------------------------------------------------------|---------|---------------------------|-------------------------------------------------------------------------------------------|------------|-----|
| * | Air flow | compact solution (sensor, controller and actuator in one box) | Dynamic | Analog MPBus | LMV-D3-MP (5 N.m, NMV-D3-MP 10 N.m, SMV-D3-MP 20 N.m) | 0...500Pa | .01 |
| | | | | MODBUS BACnet MPBus | LMV-D3-MOD (5 N.m, NMV-D3-MOD 10 N.m, SMV-D3-MOD 20 N.m) | 0...500Pa | .02 |
| | Pressure | sensor, controller and actuator all in separate boxes | Static | Analog MP-Bus | Controlador VRU-M1-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m, SM24A-VST 20 N.m) | 0...600 Pa | .75 |
| | | | | ModBus | Controlador VRU-M1-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m, SM24A-VST 20 N.m) | 0...600 Pa | .78 |
| | Pressure in the room | sensor, controller and actuator all in separate boxes | Static | BACnet | Controlador VRU-M1R-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m, SM24A-VST 20 N.m) | -75...+75 | .91 |
| | | | | ModBus BACnet | Controlador VRU-M1R-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m, SM24A-VST 20 N.m) | -75...+75 | .92 |

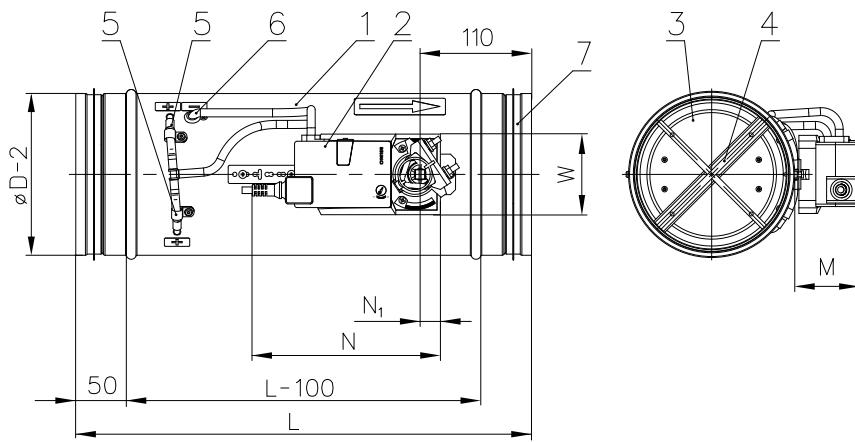
RPM-V SERIES

VARIABLE FLOW DAMPER

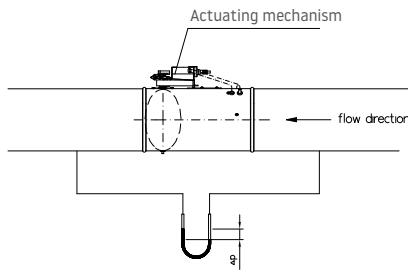


RPM-V

1. Regulator body
2. Controller
3. Controller blade
4. Tab
5. Pressure sampling -p1
6. Pressure sampling -p2
7. Rubber seal

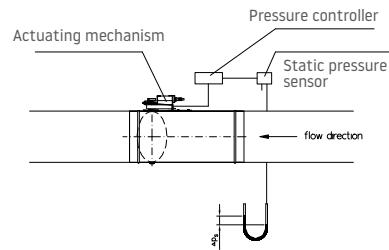


RPM-V Air flow control



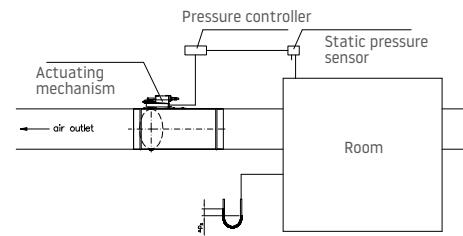
Δp [Pa] Controller pressure loss

RPM-V Pipe pressure control



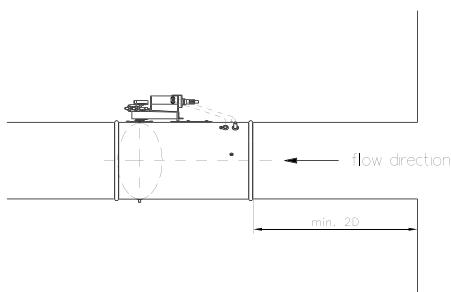
Δp_s [Pa] Static pressure difference between duct and surrounding environment

RPM-V Room pressure control

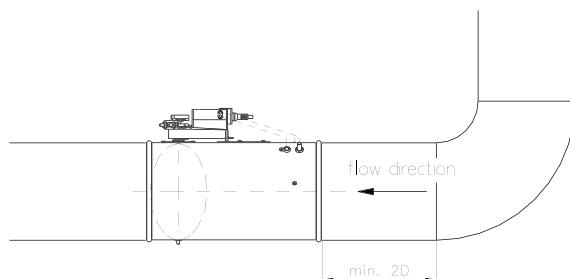


Δp_s [Pa] Static pressure difference between room and surrounding environment

RPM-V Recommended distance from double branch joint



RPM-V Recommended distance from bend



RPM-V SERIES

TECHNICAL DATA



Air volume

| Dimensions AxB [mm] | Air volume [m³/h] | | | | | |
|-----------------------------------|-----------------------|-----------------------|------------------|-----------------------|------------------------|------------------|
| | Standard values* | | | Maximum values | | |
| | Minimal (w ≈ 1m/s) | Maximal (w ≈ 7m/s) | V _{nom} | Minimal (w ≈ 1m/s) | Maximal (w ≈ 12m/s) | V _{nom} |
| 80 | 18 | 125 | 125 | 18 | 220 | 220 |
| 100 | 30 | 200 | 200 | 30 | 350 | 350 |
| 125 | 45 | 310 | 310 | 45 | 550 | 550 |
| 140 | 55 | 400 | 400 | 55 | 700 | 700 |
| 160 | 70 | 500 | 500 | 70 | 900 | 900 |
| 180 | 90 | 650 | 650 | 90 | 1200 | 1200 |
| 200 | 115 | 800 | 800 | 115 | 1400 | 1400 |
| 225 | 145 | 1000 | 1000 | 145 | 1800 | 1800 |
| 250 | 180 | 1250 | 1250 | 180 | 2200 | 2200 |
| 280 | 220 | 1550 | 1550 | 220 | 2800 | 2800 |
| 315 | 280 | 2000 | 2000 | 280 | 3500 | 3500 |
| 355 | 355 | 2500 | 2500 | 355 | 4500 | 4500 |
| 400 | 455 | 3200 | 3200 | 455 | 5800 | 5800 |
| 500 | 710 | 5000 | 5000 | 710 | 8500 | 8500 |
| 630 | 1120 | 7900 | 7900 | 1120 | 13500 | 13500 |

*Default controller settings

RPM-V SERIES

TECHNICAL DATA



Determination of actual air volume

Air volume value is determined by means of the computation from the measured value U_5

Sample for the operating mode 2...10V

$$\dot{V} = \frac{U_5 - 2,0}{8} \cdot \dot{V}_{\text{nom}}$$

Sample for the operating mode 0...10V

$$\dot{V} = \frac{U_5 \cdot \dot{V}_{\text{nom}}}{10}$$

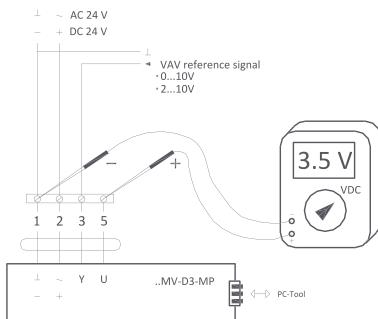
Searched for : actual air volume

Voltage measured on U_5 : 3,5 V

$$\dot{V}_{\text{nom}} = 2800 \text{ m}^3 \cdot \text{h}^{-1}$$

$$\dot{V} = \frac{3,5 - 2,0}{8} \cdot 2800 = 525$$

Actual air volume is $525 \text{ m}^3 \text{ h}^{-1}$



Searched for : actual air volume

Voltage measured on U_5 : 3,5 V

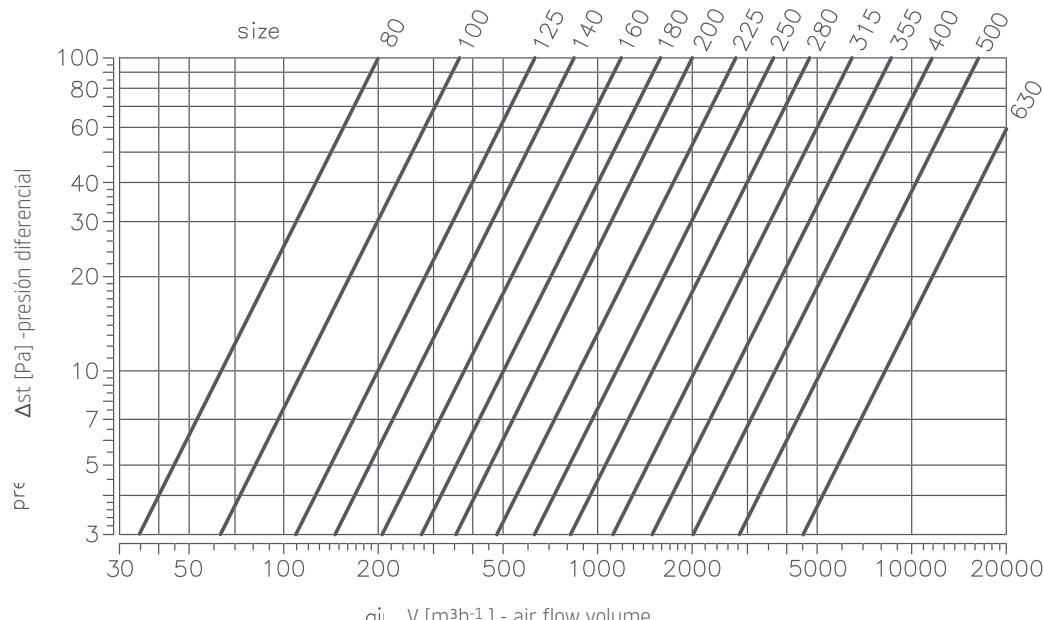
$$\dot{V}_{\text{nom}} = 2200 \text{ m}^3 \cdot \text{h}^{-1}$$

$$\dot{V} = \frac{3,5 \cdot 2200}{10} = 770$$

Actual air volume is $770 \text{ m}^3 \text{ h}^{-1}$

Pressure losses

Pressure losses (the values are valid when the damper of the controller is completely open)



Noise data

Air-generated noise

The noise arising due to the flow of air volume controller is listed in the following tables

$V [\text{m}^3 \text{h}^{-1}]$ - air flow volume

$\Delta st [\text{Pa}]$ - pressure differential

$L_W [\text{dB}/\text{Okt.}]$ - level of acoustic power in the octave band

$L_{WA} [\text{dB(A)}]$ - total level of acoustic power corrected by filter A

$f_m [\text{Hz}]$ - mean frequencies in the octave bands



RPM-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 50 Pa

$$\Delta P_{st} = 50 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/Okt] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 80 | 18 | 40 | 31 | 31 | 25 | 28 | 24 | 18 | 7 | 32 | |
| | 88 | 54 | 44 | 38 | 38 | 41 | 37 | 29 | 18 | 44 | |
| | 154 | 59 | 49 | 43 | 43 | 46 | 43 | 35 | 23 | 49 | |
| | 220 | 63 | 53 | 47 | 47 | 50 | 46 | 38 | 27 | 53 | |
| 100 | 30 | 42 | 33 | 27 | 27 | 31 | 26 | 20 | 9 | 34 | |
| | 140 | 58 | 49 | 45 | 45 | 43 | 39 | 39 | 22 | 48 | |
| | 245 | 65 | 58 | 54 | 54 | 49 | 50 | 41 | 29 | 56 | |
| | 350 | 69 | 63 | 59 | 59 | 51 | 53 | 42 | 31 | 60 | |
| 125 | 45 | 44 | 34 | 28 | 28 | 31 | 28 | 20 | 10 | 34 | |
| | 220 | 59 | 50 | 46 | 43 | 44 | 41 | 34 | 24 | 48 | |
| | 385 | 64 | 56 | 52 | 48 | 47 | 43 | 40 | 28 | 52 | |
| | 550 | 71 | 63 | 59 | 54 | 51 | 43 | 44 | 34 | 57 | |
| 140 | 55 | 45 | 36 | 30 | 30 | 33 | 29 | 21 | 11 | 36 | |
| | 280 | 61 | 52 | 49 | 45 | 43 | 40 | 36 | 25 | 49 | |
| | 490 | 64 | 57 | 53 | 49 | 48 | 44 | 40 | 28 | 53 | |
| | 700 | 72 | 64 | 60 | 55 | 52 | 48 | 45 | 35 | 58 | |
| 160 | 70 | 48 | 39 | 32 | 32 | 36 | 32 | 23 | 14 | 39 | |
| | 360 | 60 | 51 | 47 | 44 | 46 | 41 | 34 | 24 | 49 | |
| | 630 | 66 | 58 | 54 | 50 | 49 | 45 | 41 | 30 | 54 | |
| | 900 | 72 | 65 | 60 | 57 | 54 | 49 | 46 | 35 | 59 | |
| 180 | 90 | 48 | 38 | 33 | 33 | 36 | 32 | 24 | 13 | 39 | |
| | 480 | 60 | 51 | 47 | 45 | 45 | 42 | 35 | 24 | 49 | |
| | 840 | 66 | 58 | 55 | 51 | 50 | 46 | 42 | 30 | 55 | |
| | 1200 | 74 | 66 | 62 | 57 | 54 | 50 | 47 | 37 | 60 | |
| 200 | 115 | 47 | 36 | 31 | 31 | 35 | 33 | 24 | 13 | 39 | |
| | 560 | 60 | 51 | 47 | 45 | 46 | 42 | 35 | 24 | 49 | |
| | 980 | 68 | 60 | 56 | 52 | 51 | 47 | 43 | 31 | 56 | |
| | 1400 | 75 | 67 | 63 | 58 | 55 | 51 | 38 | 38 | 61 | |
| 225 | 145 | 49 | 39 | 33 | 33 | 36 | 32 | 25 | 13 | 39 | |
| | 720 | 60 | 51 | 47 | 45 | 46 | 42 | 35 | 24 | 49 | |
| | 1260 | 68 | 60 | 56 | 52 | 51 | 47 | 43 | 32 | 56 | |
| | 1800 | 75 | 67 | 63 | 59 | 56 | 52 | 49 | 38 | 61 | |
| 250 | 180 | 48 | 36 | 32 | 32 | 34 | 31 | 23 | 12 | 38 | |
| | 880 | 61 | 53 | 49 | 46 | 47 | 43 | 36 | 26 | 51 | |
| | 1540 | 68 | 61 | 57 | 53 | 52 | 48 | 44 | 32 | 57 | |
| | 2200 | 74 | 66 | 63 | 58 | 55 | 51 | 48 | 37 | 61 | |
| 280 | 220 | 50 | 40 | 34 | 34 | 36 | 33 | 27 | 15 | 40 | |
| | 1120 | 64 | 56 | 52 | 49 | 50 | 46 | 39 | 28 | 54 | |
| | 1960 | 69 | 62 | 58 | 54 | 53 | 49 | 45 | 33 | 58 | |
| | 2800 | 77 | 69 | 65 | 60 | 57 | 50 | 50 | 39 | 63 | |
| 315 | 280 | 49 | 55 | 34 | 34 | 37 | 33 | 25 | 15 | 42 | |
| | 1400 | 63 | 55 | 51 | 48 | 49 | 45 | 38 | 27 | 53 | |
| | 2450 | 70 | 62 | 58 | 54 | 53 | 49 | 45 | 34 | 58 | |
| | 3500 | 78 | 70 | 66 | 61 | 58 | 54 | 51 | 40 | 64 | |
| 355 | 355 | 51 | 41 | 36 | 36 | 39 | 37 | 28 | 17 | 43 | |
| | 1800 | 63 | 54 | 50 | 47 | 48 | 44 | 38 | 27 | 52 | |
| | 3150 | 70 | 62 | 58 | 54 | 53 | 49 | 45 | 34 | 58 | |
| | 4500 | 77 | 69 | 65 | 60 | 57 | 53 | 50 | 40 | 63 | |
| 400 | 455 | 53 | 44 | 38 | 38 | 41 | 37 | 29 | 18 | 44 | |
| | 2320 | 63 | 54 | 50 | 47 | 48 | 44 | 38 | 27 | 52 | |
| | 4060 | 70 | 62 | 58 | 54 | 53 | 49 | 45 | 34 | 58 | |
| | 5800 | 76 | 68 | 64 | 59 | 57 | 53 | 50 | 39 | 63 | |
| 500 | 710 | 49 | 40 | 34 | 34 | 37 | 33 | 25 | 15 | 40 | |
| | 4200 | 64 | 55 | 51 | 48 | 49 | 45 | 39 | 28 | 53 | |
| | 6300 | 71 | 63 | 59 | 55 | 54 | 50 | 46 | 35 | 59 | |
| | 8500 | 77 | 69 | 65 | 60 | 58 | 54 | 51 | 40 | 63 | |
| 630 | 1120 | 52 | 44 | 38 | 38 | 41 | 37 | 30 | 20 | 44 | |
| | 6700 | 66 | 57 | 53 | 50 | 51 | 47 | 40 | 30 | 55 | |
| | 10000 | 73 | 65 | 61 | 57 | 56 | 52 | 48 | 37 | 61 | |
| | 13500 | 78 | 70 | 66 | 62 | 60 | 56 | 53 | 42 | 65 | |

RPM-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 100 Pa

$$\Delta P_{st} = 100 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB(Okt)] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|--------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 80 | 18 | 46 | 36 | 30 | 30 | 34 | 29 | 21 | 9 | 37 | |
| | 88 | 59 | 49 | 43 | 43 | 46 | 42 | 34 | 22 | 49 | |
| | 154 | 64 | 54 | 48 | 48 | 51 | 47 | 39 | 27 | 54 | |
| | 220 | 68 | 58 | 52 | 52 | 55 | 51 | 43 | 31 | 58 | |
| 100 | 30 | 48 | 38 | 32 | 32 | 35 | 31 | 23 | 12 | 38 | |
| | 140 | 63 | 54 | 50 | 50 | 48 | 44 | 37 | 26 | 52 | |
| | 245 | 70 | 62 | 59 | 59 | 53 | 49 | 45 | 33 | 60 | |
| | 350 | 73 | 66 | 64 | 64 | 55 | 51 | 47 | 35 | 64 | |
| 125 | 45 | 49 | 39 | 33 | 33 | 37 | 32 | 24 | 13 | 40 | |
| | 220 | 65 | 56 | 52 | 50 | 49 | 45 | 39 | 28 | 53 | |
| | 385 | 69 | 61 | 57 | 53 | 52 | 48 | 44 | 32 | 57 | |
| | 550 | 76 | 68 | 64 | 59 | 56 | 52 | 49 | 38 | 62 | |
| 140 | 55 | 51 | 41 | 35 | 35 | 38 | 34 | 26 | 14 | 41 | |
| | 280 | 65 | 56 | 52 | 49 | 50 | 46 | 39 | 28 | 54 | |
| | 490 | 70 | 62 | 58 | 54 | 53 | 49 | 45 | 33 | 58 | |
| | 700 | 77 | 69 | 65 | 60 | 57 | 53 | 50 | 39 | 63 | |
| 160 | 70 | 54 | 44 | 38 | 38 | 41 | 37 | 30 | 17 | 44 | |
| | 360 | 65 | 56 | 52 | 49 | 50 | 46 | 39 | 28 | 54 | |
| | 630 | 71 | 63 | 59 | 55 | 54 | 50 | 46 | 34 | 59 | |
| | 900 | 78 | 70 | 66 | 61 | 58 | 54 | 51 | 40 | 64 | |
| 180 | 90 | 54 | 44 | 38 | 38 | 41 | 37 | 29 | 17 | 44 | |
| | 480 | 66 | 57 | 53 | 50 | 51 | 47 | 40 | 29 | 55 | |
| | 840 | 72 | 64 | 60 | 56 | 55 | 51 | 47 | 35 | 60 | |
| | 1200 | 79 | 71 | 67 | 62 | 59 | 55 | 52 | 41 | 65 | |
| 200 | 115 | 54 | 44 | 38 | 38 | 42 | 37 | 29 | 18 | 45 | |
| | 560 | 66 | 57 | 53 | 50 | 51 | 47 | 40 | 29 | 55 | |
| | 980 | 73 | 65 | 61 | 57 | 56 | 52 | 48 | 36 | 61 | |
| | 1400 | 80 | 72 | 68 | 63 | 60 | 56 | 53 | 42 | 66 | |
| 225 | 145 | 55 | 45 | 39 | 39 | 43 | 38 | 29 | 18 | 46 | |
| | 720 | 66 | 57 | 53 | 50 | 51 | 47 | 40 | 29 | 55 | |
| | 1260 | 73 | 65 | 61 | 57 | 56 | 52 | 48 | 36 | 61 | |
| | 1800 | 80 | 72 | 68 | 63 | 60 | 56 | 53 | 42 | 66 | |
| 250 | 180 | 52 | 43 | 37 | 37 | 41 | 36 | 28 | 16 | 44 | |
| | 880 | 67 | 58 | 54 | 51 | 52 | 48 | 41 | 30 | 56 | |
| | 1540 | 73 | 65 | 61 | 57 | 56 | 52 | 48 | 36 | 61 | |
| | 2200 | 79 | 71 | 67 | 62 | 59 | 55 | 52 | 41 | 65 | |
| 280 | 220 | 55 | 45 | 39 | 39 | 43 | 39 | 31 | 19 | 46 | |
| | 1120 | 70 | 61 | 57 | 54 | 55 | 51 | 44 | 33 | 59 | |
| | 1960 | 74 | 66 | 62 | 58 | 57 | 53 | 49 | 37 | 62 | |
| | 2800 | 81 | 73 | 69 | 64 | 61 | 57 | 54 | 43 | 67 | |
| 315 | 280 | 56 | 46 | 41 | 41 | 44 | 41 | 32 | 20 | 47 | |
| | 1400 | 69 | 60 | 56 | 53 | 54 | 50 | 43 | 32 | 58 | |
| | 2450 | 75 | 67 | 63 | 59 | 58 | 54 | 50 | 38 | 63 | |
| | 3500 | 82 | 74 | 70 | 65 | 62 | 58 | 55 | 44 | 68 | |
| 355 | 355 | 58 | 48 | 42 | 42 | 46 | 41 | 33 | 31 | 49 | |
| | 1800 | 69 | 60 | 56 | 53 | 54 | 50 | 43 | 32 | 58 | |
| | 3150 | 75 | 67 | 63 | 59 | 58 | 55 | 51 | 39 | 63 | |
| | 4500 | 82 | 74 | 70 | 65 | 62 | 58 | 55 | 44 | 68 | |
| 400 | 455 | 58 | 49 | 42 | 42 | 46 | 42 | 34 | 22 | 49 | |
| | 2320 | 69 | 60 | 56 | 53 | 54 | 50 | 43 | 32 | 58 | |
| | 4060 | 76 | 68 | 64 | 60 | 59 | 55 | 51 | 39 | 64 | |
| | 5800 | 82 | 74 | 70 | 65 | 62 | 58 | 55 | 44 | 68 | |
| 500 | 710 | 56 | 46 | 40 | 40 | 43 | 39 | 31 | 21 | 46 | |
| | 4200 | 69 | 60 | 56 | 53 | 54 | 51 | 44 | 33 | 58 | |
| | 6300 | 77 | 69 | 65 | 61 | 60 | 56 | 52 | 40 | 65 | |
| | 8500 | 82 | 74 | 70 | 65 | 62 | 59 | 56 | 45 | 68 | |
| 630 | 1120 | 60 | 49 | 44 | 44 | 45 | 43 | 35 | 23 | 49 | |
| | 6700 | 72 | 63 | 59 | 56 | 57 | 53 | 46 | 35 | 61 | |
| | 10000 | 79 | 71 | 67 | 63 | 62 | 58 | 54 | 42 | 67 | |
| | 13500 | 85 | 77 | 73 | 68 | 65 | 61 | 58 | 47 | 71 | |



RPM-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 250 Pa

$$\Delta P_{st} = 250 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/Okt] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 80 | 18 | 54 | 44 | 38 | 38 | 41 | 37 | 29 | 17 | 44 | |
| | 88 | 67 | 57 | 51 | 51 | 54 | 50 | 42 | 30 | 57 | |
| | 154 | 72 | 62 | 56 | 56 | 59 | 55 | 47 | 35 | 62 | |
| | 220 | 76 | 66 | 60 | 60 | 63 | 59 | 51 | 39 | 66 | |
| 100 | 30 | 56 | 46 | 41 | 41 | 43 | 40 | 32 | 20 | 47 | |
| | 140 | 70 | 61 | 57 | 57 | 55 | 52 | 44 | 33 | 60 | |
| | 245 | 77 | 69 | 65 | 66 | 61 | 55 | 52 | 40 | 67 | |
| | 350 | 83 | 75 | 71 | 72 | 63 | 59 | 56 | 45 | 72 | |
| 125 | 45 | 58 | 48 | 42 | 42 | 45 | 41 | 33 | 21 | 48 | |
| | 220 | 70 | 61 | 58 | 55 | 56 | 51 | 45 | 34 | 60 | |
| | 385 | 77 | 69 | 65 | 61 | 60 | 55 | 51 | 39 | 65 | |
| | 550 | 83 | 75 | 71 | 65 | 62 | 58 | 55 | 44 | 69 | |
| 140 | 55 | 60 | 50 | 44 | 44 | 48 | 44 | 35 | 23 | 51 | |
| | 280 | 72 | 63 | 59 | 56 | 57 | 53 | 46 | 35 | 61 | |
| | 490 | 77 | 69 | 65 | 61 | 60 | 56 | 52 | 40 | 65 | |
| | 700 | 83 | 75 | 71 | 66 | 63 | 59 | 56 | 45 | 69 | |
| 160 | 70 | 61 | 51 | 45 | 45 | 49 | 44 | 36 | 24 | 52 | |
| | 360 | 73 | 64 | 60 | 57 | 58 | 54 | 47 | 36 | 62 | |
| | 630 | 78 | 70 | 66 | 62 | 61 | 57 | 53 | 41 | 66 | |
| | 900 | 84 | 76 | 72 | 67 | 64 | 60 | 57 | 46 | 70 | |
| 180 | 90 | 63 | 53 | 47 | 47 | 50 | 45 | 37 | 25 | 53 | |
| | 480 | 73 | 65 | 62 | 59 | 58 | 55 | 47 | 36 | 63 | |
| | 840 | 78 | 71 | 67 | 63 | 62 | 57 | 53 | 41 | 67 | |
| | 1200 | 84 | 77 | 74 | 69 | 65 | 61 | 57 | 46 | 72 | |
| 200 | 115 | 63 | 53 | 47 | 47 | 51 | 46 | 38 | 26 | 54 | |
| | 560 | 74 | 65 | 61 | 58 | 59 | 55 | 48 | 37 | 63 | |
| | 980 | 79 | 72 | 68 | 64 | 63 | 58 | 54 | 42 | 68 | |
| | 1400 | 85 | 77 | 73 | 69 | 65 | 61 | 58 | 47 | 72 | |
| 225 | 145 | 64 | 54 | 48 | 48 | 51 | 49 | 40 | 28 | 55 | |
| | 720 | 74 | 65 | 61 | 58 | 59 | 55 | 48 | 37 | 63 | |
| | 1260 | 80 | 72 | 68 | 64 | 63 | 59 | 55 | 43 | 68 | |
| | 1800 | 86 | 78 | 74 | 69 | 66 | 62 | 59 | 48 | 72 | |
| 250 | 180 | 64 | 55 | 48 | 48 | 50 | 47 | 40 | 27 | 54 | |
| | 880 | 74 | 65 | 61 | 58 | 59 | 55 | 48 | 37 | 63 | |
| | 1540 | 80 | 72 | 68 | 64 | 63 | 59 | 55 | 43 | 68 | |
| | 2200 | 86 | 78 | 74 | 69 | 66 | 62 | 59 | 48 | 72 | |
| 280 | 220 | 65 | 55 | 49 | 49 | 53 | 48 | 41 | 29 | 56 | |
| | 1120 | 76 | 67 | 63 | 60 | 61 | 56 | 49 | 38 | 65 | |
| | 1960 | 81 | 73 | 69 | 65 | 64 | 60 | 56 | 44 | 69 | |
| | 2800 | 87 | 79 | 75 | 70 | 67 | 63 | 60 | 49 | 73 | |
| 315 | 280 | 66 | 57 | 50 | 50 | 53 | 51 | 43 | 30 | 57 | |
| | 1400 | 76 | 67 | 63 | 60 | 61 | 57 | 50 | 39 | 65 | |
| | 2450 | 82 | 74 | 70 | 66 | 65 | 61 | 57 | 45 | 70 | |
| | 3500 | 88 | 80 | 76 | 71 | 68 | 64 | 61 | 50 | 74 | |
| 355 | 355 | 67 | 57 | 51 | 51 | 54 | 52 | 43 | 31 | 58 | |
| | 1800 | 77 | 68 | 64 | 61 | 62 | 58 | 51 | 40 | 66 | |
| | 3150 | 82 | 75 | 71 | 67 | 67 | 62 | 57 | 45 | 71 | |
| | 4500 | 88 | 80 | 76 | 71 | 68 | 64 | 61 | 50 | 74 | |
| 400 | 455 | 70 | 60 | 54 | 54 | 58 | 53 | 45 | 33 | 61 | |
| | 2320 | 77 | 69 | 65 | 62 | 63 | 59 | 51 | 40 | 67 | |
| | 4060 | 82 | 75 | 71 | 67 | 66 | 62 | 57 | 45 | 71 | |
| | 5800 | 88 | 80 | 76 | 71 | 68 | 64 | 61 | 50 | 74 | |
| 500 | 710 | 66 | 56 | 50 | 50 | 53 | 49 | 42 | 30 | 56 | |
| | 4200 | 79 | 70 | 66 | 63 | 64 | 60 | 53 | 42 | 68 | |
| | 6300 | 84 | 76 | 73 | 69 | 68 | 63 | 59 | 47 | 73 | |
| | 8500 | 90 | 82 | 78 | 73 | 70 | 66 | 63 | 52 | 76 | |
| 630 | 1120 | 68 | 58 | 50 | 50 | 52 | 50 | 43 | 31 | 56 | |
| | 6700 | 81 | 72 | 68 | 65 | 66 | 62 | 55 | 44 | 70 | |
| | 10000 | 86 | 79 | 75 | 71 | 70 | 65 | 61 | 49 | 75 | |
| | 13500 | 92 | 84 | 80 | 75 | 72 | 68 | 65 | 54 | 78 | |

RPM-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 500 Pa

$\Delta P_{st} = 500 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB/0kt] | | | | | | | | L_{WA} [dB(A)] | |
|--------------|-------------|----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 80 | 18 | 61 | 51 | 45 | 45 | 48 | 46 | 37 | 25 | 52 | |
| | 88 | 74 | 64 | 58 | 58 | 61 | 58 | 50 | 38 | 64 | |
| | 154 | 79 | 70 | 63 | 63 | 66 | 62 | 54 | 42 | 69 | |
| | 220 | 83 | 73 | 67 | 68 | 70 | 67 | 59 | 47 | 73 | |
| 100 | 30 | 64 | 54 | 48 | 48 | 51 | 47 | 39 | 27 | 54 | |
| | 140 | 77 | 68 | 64 | 64 | 62 | 58 | 51 | 40 | 66 | |
| | 245 | 84 | 76 | 72 | 72 | 67 | 63 | 59 | 47 | 73 | |
| | 350 | 90 | 82 | 78 | 78 | 70 | 66 | 63 | 52 | 78 | |
| 125 | 45 | 66 | 54 | 50 | 50 | 54 | 50 | 41 | 29 | 57 | |
| | 220 | 78 | 69 | 65 | 61 | 63 | 58 | 51 | 40 | 66 | |
| | 385 | 83 | 75 | 71 | 67 | 66 | 63 | 59 | 47 | 71 | |
| | 550 | 89 | 81 | 77 | 72 | 69 | 66 | 63 | 52 | 75 | |
| 140 | 55 | 67 | 57 | 51 | 51 | 54 | 50 | 42 | 30 | 57 | |
| | 280 | 79 | 70 | 66 | 63 | 64 | 60 | 53 | 42 | 68 | |
| | 490 | 81 | 76 | 72 | 68 | 67 | 63 | 59 | 47 | 72 | |
| | 700 | 89 | 81 | 77 | 72 | 69 | 65 | 62 | 51 | 75 | |
| 160 | 70 | 69 | 59 | 53 | 53 | 56 | 52 | 44 | 32 | 59 | |
| | 360 | 81 | 72 | 68 | 65 | 66 | 62 | 55 | 44 | 70 | |
| | 630 | 86 | 78 | 74 | 70 | 69 | 65 | 61 | 49 | 74 | |
| | 900 | 91 | 83 | 79 | 74 | 71 | 67 | 64 | 53 | 77 | |
| 180 | 90 | 70 | 60 | 54 | 54 | 58 | 53 | 45 | 33 | 61 | |
| | 480 | 81 | 72 | 68 | 65 | 66 | 62 | 55 | 44 | 70 | |
| | 840 | 86 | 78 | 74 | 70 | 69 | 65 | 61 | 49 | 74 | |
| | 1200 | 92 | 84 | 80 | 75 | 72 | 68 | 65 | 54 | 78 | |
| 200 | 115 | 71 | 61 | 55 | 55 | 59 | 54 | 46 | 34 | 62 | |
| | 560 | 81 | 72 | 68 | 65 | 66 | 62 | 55 | 44 | 70 | |
| | 980 | 86 | 78 | 74 | 70 | 69 | 65 | 61 | 49 | 74 | |
| | 1400 | 92 | 84 | 80 | 75 | 72 | 68 | 65 | 54 | 78 | |
| 225 | 145 | 72 | 62 | 56 | 56 | 60 | 55 | 47 | 35 | 63 | |
| | 720 | 81 | 72 | 68 | 65 | 66 | 62 | 55 | 44 | 70 | |
| | 1260 | 86 | 78 | 74 | 70 | 69 | 65 | 61 | 49 | 74 | |
| | 1800 | 91 | 83 | 79 | 74 | 71 | 67 | 64 | 53 | 77 | |
| 250 | 180 | 72 | 62 | 56 | 56 | 59 | 55 | 47 | 35 | 62 | |
| | 880 | 80 | 71 | 67 | 64 | 65 | 61 | 54 | 43 | 69 | |
| | 1540 | 85 | 77 | 73 | 69 | 68 | 64 | 60 | 48 | 73 | |
| | 2200 | 91 | 83 | 79 | 74 | 71 | 67 | 64 | 53 | 77 | |
| 280 | 220 | 73 | 64 | 58 | 58 | 60 | 57 | 49 | 37 | 64 | |
| | 1120 | 82 | 73 | 68 | 67 | 66 | 63 | 56 | 45 | 71 | |
| | 1960 | 86 | 78 | 74 | 70 | 69 | 65 | 61 | 49 | 74 | |
| | 2800 | 92 | 84 | 80 | 75 | 72 | 68 | 65 | 54 | 78 | |
| 315 | 280 | 75 | 65 | 59 | 59 | 63 | 58 | 50 | 38 | 66 | |
| | 1400 | 83 | 74 | 70 | 67 | 68 | 65 | 58 | 47 | 72 | |
| | 2450 | 87 | 80 | 76 | 72 | 71 | 66 | 63 | 50 | 76 | |
| | 3500 | 93 | 85 | 81 | 76 | 73 | 69 | 66 | 55 | 79 | |
| 355 | 355 | 77 | 67 | 61 | 61 | 65 | 60 | 52 | 50 | 68 | |
| | 1800 | 85 | 76 | 72 | 69 | 70 | 66 | 59 | 48 | 74 | |
| | 3150 | 90 | 82 | 78 | 74 | 73 | 69 | 65 | 53 | 78 | |
| | 4500 | 94 | 86 | 82 | 77 | 74 | 70 | 67 | 56 | 80 | |
| 400 | 455 | 79 | 69 | 63 | 63 | 66 | 61 | 53 | 41 | 69 | |
| | 2320 | 86 | 77 | 73 | 70 | 71 | 67 | 60 | 49 | 75 | |
| | 4060 | 90 | 82 | 78 | 74 | 73 | 69 | 65 | 53 | 78 | |
| | 5800 | 94 | 86 | 82 | 77 | 74 | 70 | 67 | 56 | 80 | |
| 500 | 710 | 78 | 67 | 60 | 60 | 63 | 60 | 53 | 41 | 66 | |
| | 4200 | 88 | 79 | 75 | 72 | 73 | 69 | 62 | 51 | 77 | |
| | 6300 | 92 | 84 | 80 | 76 | 75 | 71 | 67 | 55 | 80 | |
| | 8500 | 96 | 88 | 84 | 79 | 76 | 72 | 69 | 58 | 82 | |
| 630 | 1120 | 80 | 70 | 65 | 65 | 68 | 63 | 55 | 43 | 71 | |
| | 6700 | 90 | 81 | 77 | 74 | 75 | 71 | 64 | 53 | 79 | |
| | 10000 | 94 | 86 | 82 | 78 | 77 | 73 | 69 | 57 | 82 | |
| | 13500 | 98 | 90 | 86 | 81 | 78 | 74 | 71 | 60 | 84 | |



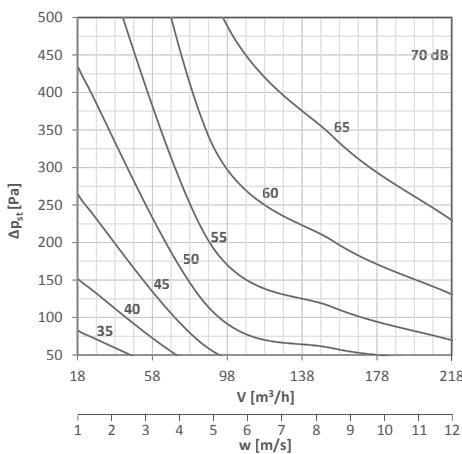
RPM-V SERIES

TECHNICAL DATA

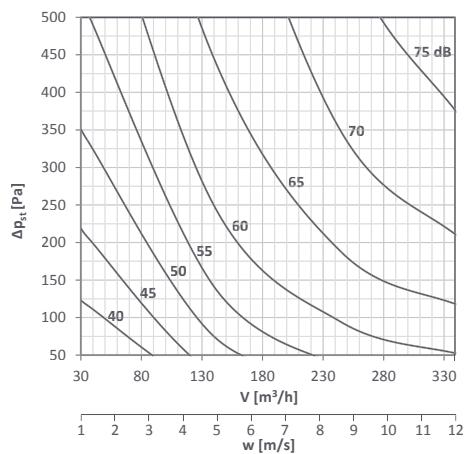


Sound power level Lwa [dB (A)] inside the pipeline

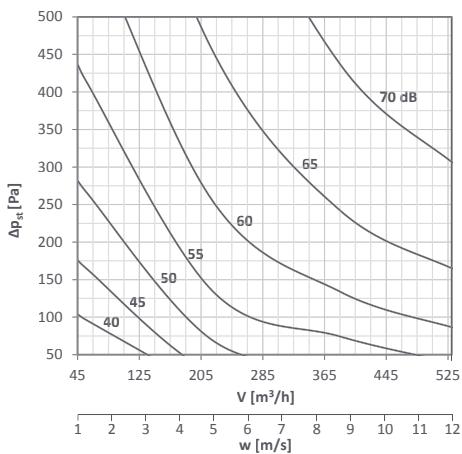
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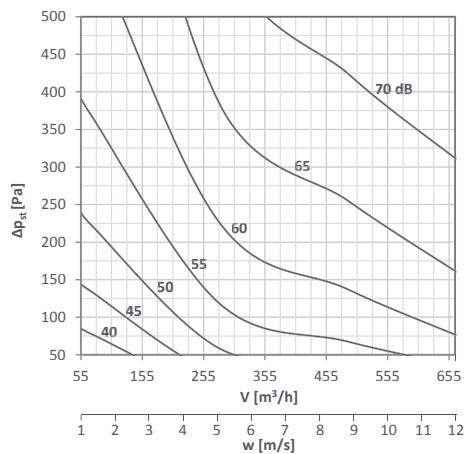
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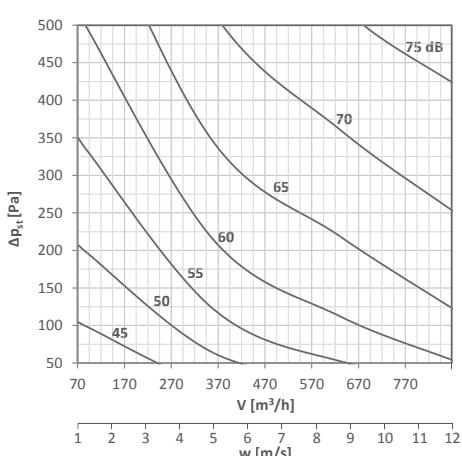
Ø 125



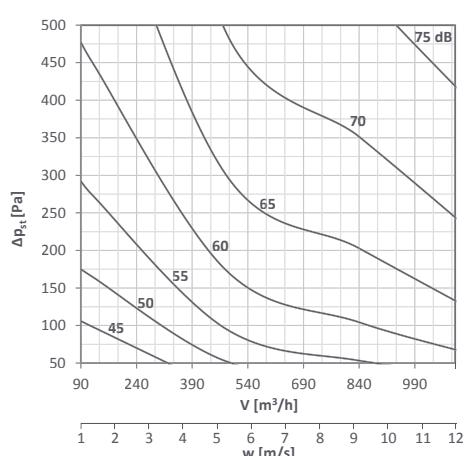
Ø 160



Ø 200



Ø 250



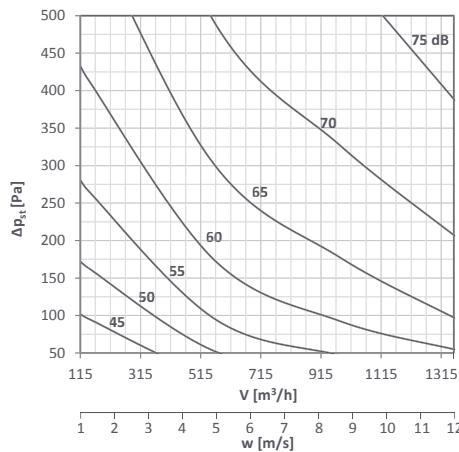
RPM-V SERIES

TECHNICAL DATA

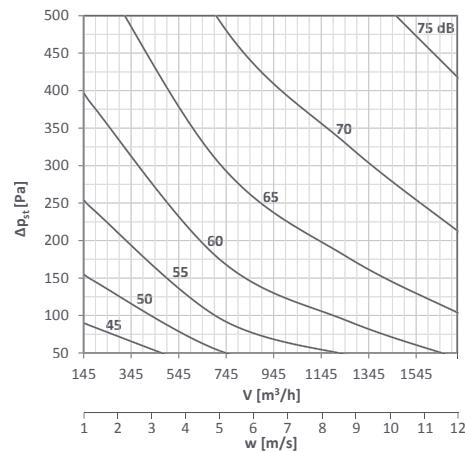


Sound power level L_{WA} [dB (A)] inside the pipeline

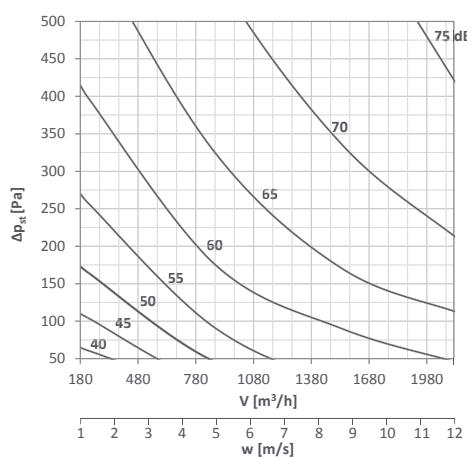
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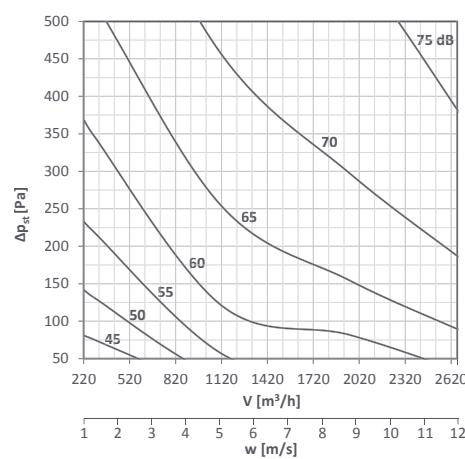
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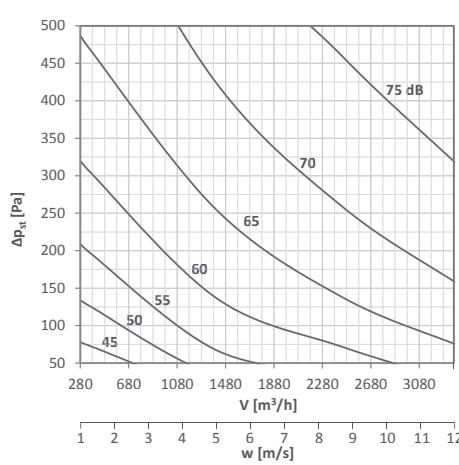
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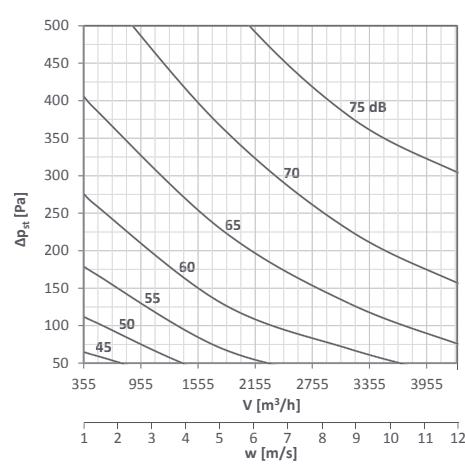
Ø 280



Ø 315



Ø 355



REGULATION
VARIABLE FLOW



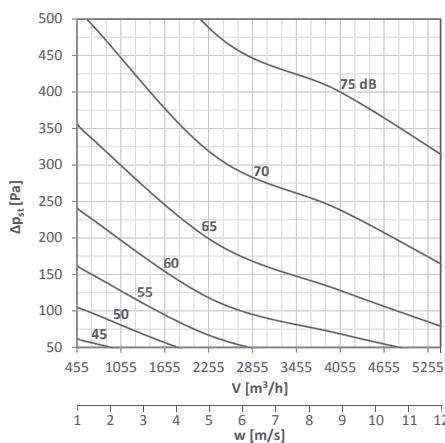
RPM-V SERIES

TECHNICAL DATA

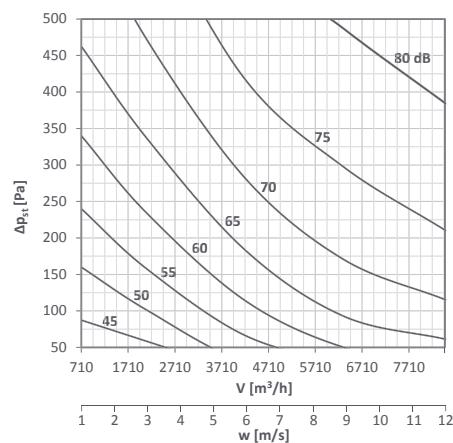


Sound power level L_{WA} [dB (A)] inside the pipeline

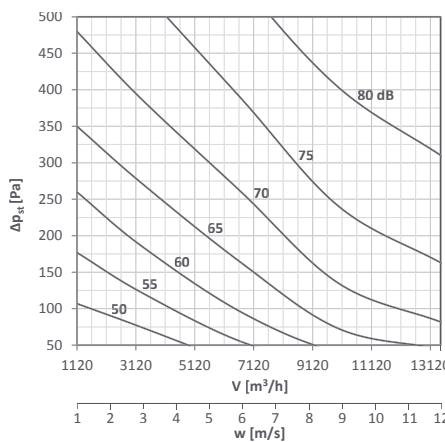
Ø 400



Ø 500



Ø 630



RPM-V SERIES

TECHNICAL DATA



Sound power level radiated outside the pipeline - without insulation

The radiated noise of the air volume controller is given below

$V \text{ [m}^3\text{h}^{-1}\text{]}$ - air flow volume

Δp_{st} [Pa] - pressure differential

L_{WA} [dB(A)] - total level of acoustic power

corrected by filter A

| Size [mm] | V [m^3/h] | L_{WA} [dB(A)] | L_{WA} [dB(A)] | L_{WA} [dB(A)] | L_{WA} [dB(A)] |
|--------------|----------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | $\Delta P_{st}=50 \text{ Pa}$ | $\Delta P_{st}=100 \text{ Pa}$ | $\Delta P_{st}=250 \text{ Pa}$ | $\Delta P_{st}=500 \text{ Pa}$ |
| 80 | 18 | 12 | 16 | 24 | 33 |
| | 88 | 24 | 29 | 38 | 47 |
| | 154 | 30 | 34 | 42 | 50 |
| | 220 | 35 | 39 | 47 | 54 |
| 100 | 30 | 14 | 18 | 27 | 37 |
| | 140 | 26 | 31 | 39 | 47 |
| | 245 | 33 | 38 | 45 | 52 |
| | 350 | 36 | 41 | 48 | 55 |
| 125 | 45 | 15 | 19 | 28 | 38 |
| | 220 | 27 | 33 | 41 | 49 |
| | 385 | 33 | 38 | 45 | 52 |
| | 550 | 37 | 42 | 49 | 56 |
| 140 | 55 | 18 | 23 | 31 | 39 |
| | 280 | 29 | 34 | 42 | 50 |
| | 490 | 34 | 39 | 46 | 53 |
| | 700 | 39 | 44 | 50 | 56 |
| 160 | 70 | 21 | 26 | 33 | 42 |
| | 360 | 30 | 35 | 43 | 51 |
| | 630 | 34 | 39 | 47 | 54 |
| | 900 | 39 | 44 | 51 | 57 |
| 180 | 90 | 21 | 25 | 33 | 42 |
| | 480 | 31 | 36 | 44 | 52 |
| | 840 | 35 | 40 | 48 | 56 |
| | 1200 | 40 | 45 | 52 | 59 |
| 200 | 115 | 22 | 27 | 34 | 43 |
| | 560 | 31 | 36 | 44 | 52 |
| | 980 | 35 | 40 | 48 | 55 |
| | 1400 | 41 | 45 | 52 | 58 |
| 225 | 145 | 23 | 28 | 38 | 46 |
| | 720 | 33 | 38 | 46 | 53 |
| | 1260 | 37 | 42 | 49 | 56 |
| | 1800 | 42 | 46 | 53 | 59 |
| 250 | 180 | 25 | 30 | 39 | 47 |
| | 880 | 36 | 40 | 47 | 53 |
| | 1540 | 40 | 44 | 51 | 57 |
| | 2200 | 44 | 48 | 54 | 60 |
| 280 | 220 | 28 | 33 | 43 | 51 |
| | 1120 | 37 | 42 | 50 | 56 |
| | 1960 | 42 | 46 | 54 | 60 |
| | 2800 | 45 | 50 | 57 | 63 |
| 315 | 280 | 30 | 34 | 44 | 53 |
| | 1400 | 39 | 44 | 52 | 59 |
| | 2450 | 44 | 48 | 56 | 62 |
| | 3500 | 47 | 51 | 59 | 65 |
| 355 | 355 | 29 | 34 | 44 | 54 |
| | 1800 | 39 | 44 | 52 | 60 |
| | 3150 | 44 | 49 | 56 | 63 |
| | 4500 | 48 | 53 | 60 | 66 |
| 400 | 455 | 30 | 36 | 46 | 54 |
| | 2320 | 38 | 44 | 53 | 61 |
| | 4060 | 44 | 49 | 57 | 64 |
| | 5800 | 50 | 54 | 61 | 67 |
| 500 | 710 | 31 | 36 | 47 | 55 |
| | 4200 | 45 | 50 | 59 | 66 |
| | 6300 | 51 | 56 | 64 | 70 |
| | 8400 | 55 | 60 | 67 | 73 |
| 630 | 1120 | 40 | 44 | 52 | 60 |
| | 6700 | 52 | 57 | 64 | 70 |
| | 10000 | 56 | 61 | 68 | 74 |
| | 13300 | 59 | 64 | 71 | 77 |



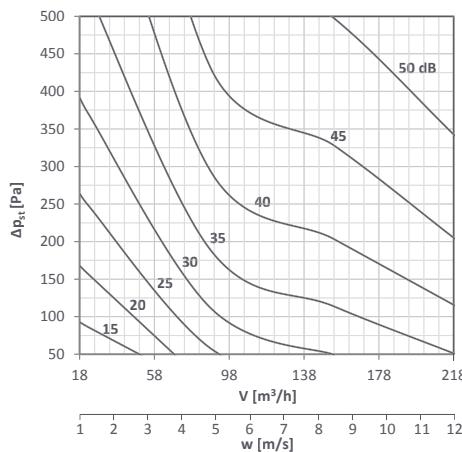
RPM-V SERIES

TECHNICAL DATA

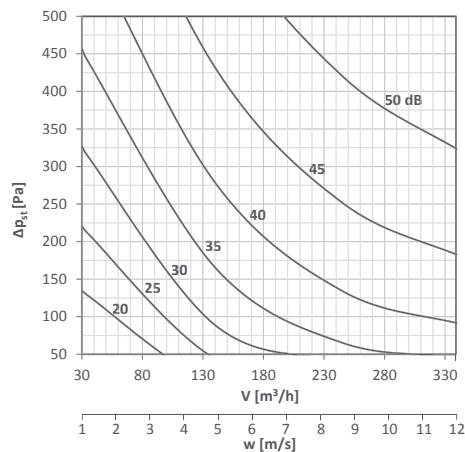


Sound power level L_{WA} [dB(A)] radiated outside the pipeline, without insulation

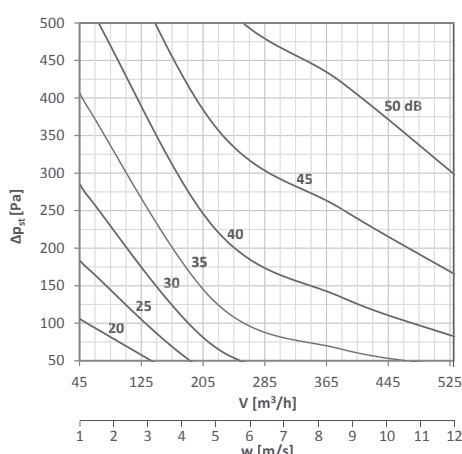
Ø 80



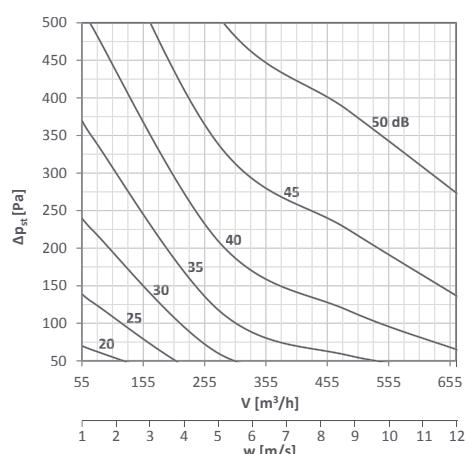
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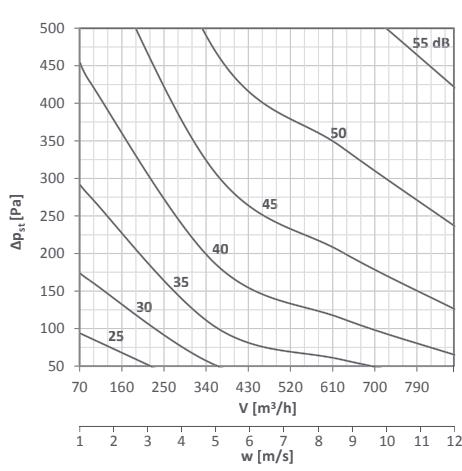
Ø 125



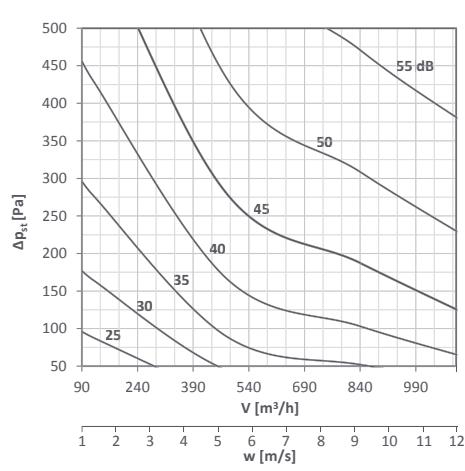
Ø 160



Ø 200



Ø 250



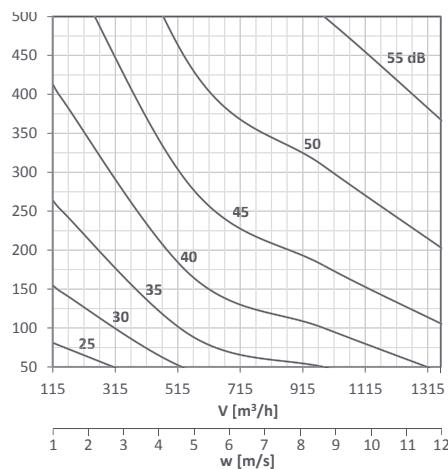
RPM-V SERIES

TECHNICAL DATA

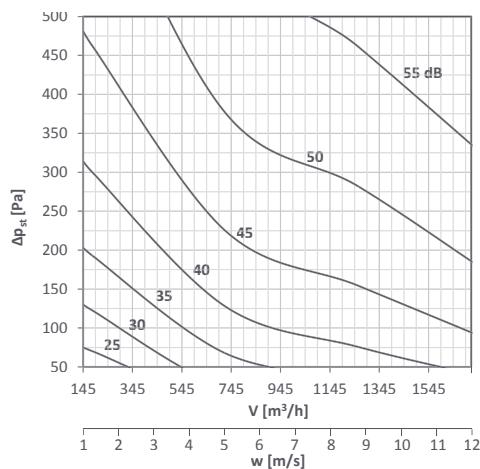


Sound power level L_{WA} [dB(A)] radiated outside the pipeline, without insulation

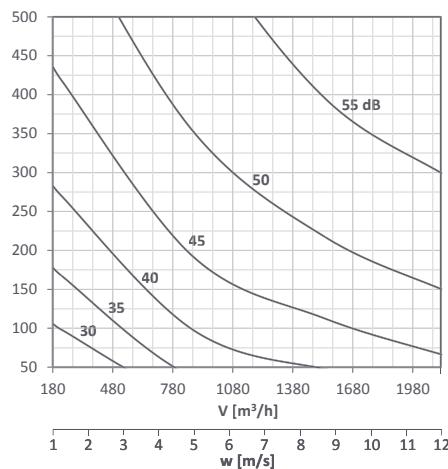
Ø 200



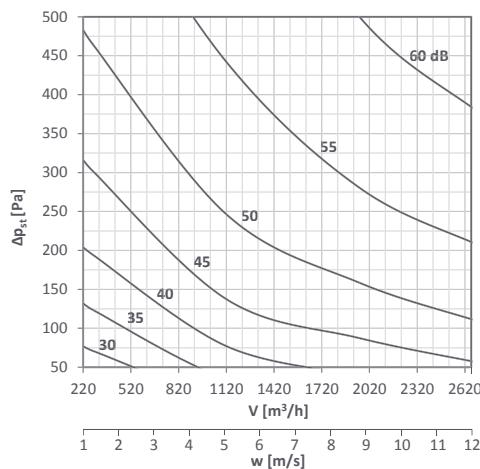
Ø 225



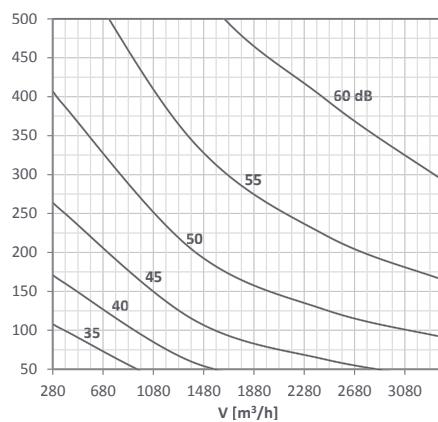
Ø 250



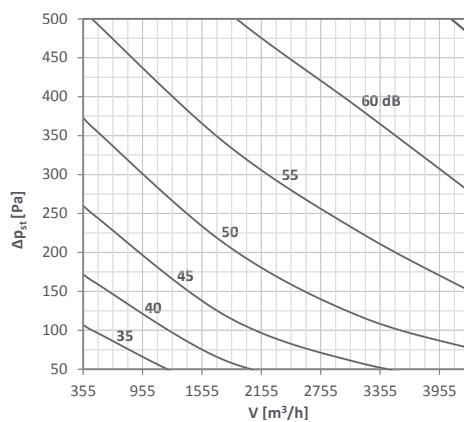
Ø 280



Ø 315



Ø 355



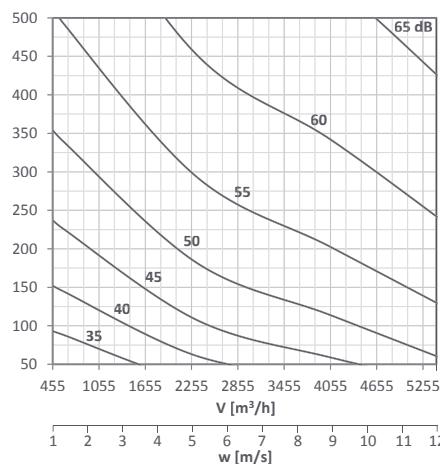
RPM-V SERIES

TECHNICAL DATA

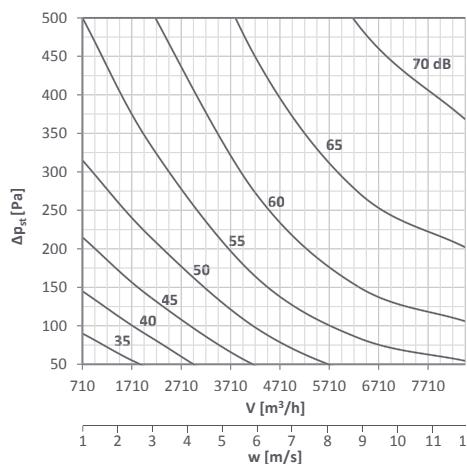


Sound power level L_{wa} [dB(A)] radiated outside the pipeline, without insulation

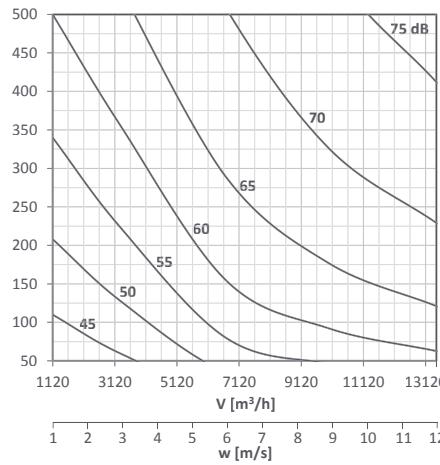
Ø 400



Ø 500

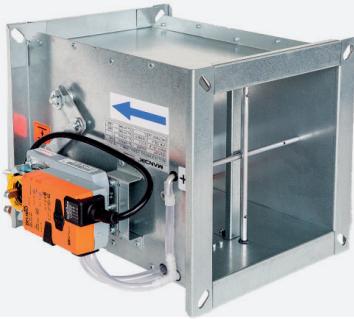


Ø 630



RPMC-V SERIES

VARIABLE FLOW DAMPER



Model RPMC-V. The air volume controllers are meant for systems with a variable air volume that is used for input or output air. The required amount of air that is taken into the individual rooms or working areas is variable with respect to time and can be changed according to momentary need when the controllers are installed. Total power of air-conditioning system can be lower. This variable systems enable a more economical operation air-conditioning systems and while ensuring individual well-being on the premises setting. The controller consists of the body of the controller with a control blades and pressure probes for determining the through-flow of air. An compact controller is affixed to the body for controlling the control blades.

Characteristics:

- Type of regulation:
air flow control
duct pressure control room pressure control
- Nominal size 200x100 ÷ 1000x1000
- Length L = 300 mm
- Tightness according to EN 1751 External casing leakage class C
- Internal leakage class 3
- Air flow volume 70 ÷ 26 000 m³/h (for 12m/s it is a maximum air flow volume of 43 000 m³/h*)
- Accuracy ± 8 % for velocity up to 3 m/s and ± 5 % for higher velocity.
- Air velocity Standard setting is in the range of min. 1 m/s to 7 m/s per Belimo.

Modelo:

RPMC-V.01

For control with 0(2)...10 V signal or MP-BUS protocol.

RPMC-V.02

For control with signal 0(2)...10 V or using Modbus RTU, BACnet or MP-BUS protocol

Optional:

RPMC-V.75

RPMC-V.78

RPMC-V.91

RPMC-V.92

* see model descriptions in table.

Working conditions:

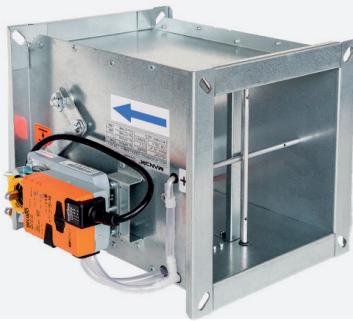
- The faultless functioning of the controllers is ensured under the following conditions:
 - a) maximum speed of air flow 7 m/s
 - b) maximum pressure in the duct 1000 Pa
 - c) the air circulation in the whole controller section must be secured as steady on whole surface - see point 4.1.
- Controllers are designed for macroclimatic areas with mild climate according to EN 60 721-3-3.
- Controllers are suitable for systems without abrasive, chemical and adhesive particles.
- Temperature in the place of installation is permitted to range from 0°C to +50°C.
- The controllers are supplied without insulation or in an insulated design. Insulation thickness is 40 mm.

| | | | | | | | | |
|-------------------------------------|------------------------------------------------------------------------|---------|---------------------------|---------------------------------------------------------------------------------------------|------------|-----|--|--|
| * | | | | | | | | |
| Air flow | compact solution (sensor, controller and actuator in one box) | Dynamic | Analog MPBus | LMV-D3-MP (5 N.m, NMV-D3-MP 10 N.m, SMV-D3-MP 20 N.m) | 0...500Pa | .01 | | |
| | | | MODBUS BACnet MPBus | LMV-D3-MOD (5 N.m, NMV-D3-MOD 10 N.m, SMV-D3-MOD 20 N.m) | 0...500Pa | .02 | | |
| Pressure | sensor, controller and actuator all in separate boxes | Static | Analog MP-Bus | Controlador VRU-M1-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m., SM24A-VST 20 N.m.) | 0...600 Pa | .75 | | |
| | | | ModBus | Controlador VRU-M1-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m., SM24A-VST 20 N.m.) | 0...600 Pa | .78 | | |
| Pressure in the room | sensor, controller and actuator all in separate boxes | Static | BACnet | Controlador VRU-M1R-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m., SM24A-VST 20 N.m.) | -75...+75 | .91 | | |
| | | | ModBus BACnet | Controlador VRU-M1R-BAC (STP) + LM24A-VST (5 N.m., NM24A-VST 10 N.m., SM24A-VST 20 N.m.) | -75...+75 | .92 | | |



RPMC-V SERIES

VARIABLE FLOW DAMPER



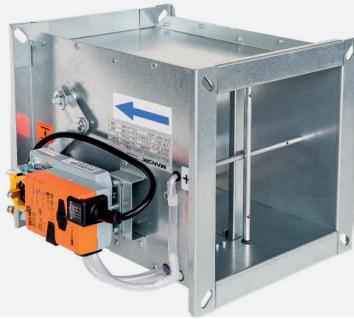
Air Volume

| Dimensions AxB [mm] | Air Volume [m³/h] | | | | | |
|---------------------------|-----------------------|-----------------------|------------------|-----------------------|------------------------|------------------|
| | Standard values* | | | Maximum values | | |
| | Minimal (w ≈ 1m/s) | Maximal (w ≈ 7m/s) | v _{nom} | Minimal (w ≈ 1m/s) | Maximal (w ≈ 12m/s) | v _{nom} |
| 200x100 | 70 | 500 | 500 | 70 | 900 | 900 |
| x200 | 145 | 1000 | 1000 | 145 | 1800 | 1800 |
| 300x100 | 110 | 750 | 750 | 110 | 1300 | 1300 |
| x200 | 215 | 1500 | 1500 | 215 | 2600 | 2600 |
| x300 | 325 | 2300 | 2300 | 325 | 3900 | 3900 |
| 400x100 | 145 | 1000 | 1000 | 145 | 1800 | 1800 |
| x200 | 290 | 2000 | 2000 | 290 | 3500 | 3500 |
| x300 | 430 | 3100 | 3100 | 430 | 5200 | 5200 |
| x400 | 580 | 4100 | 4100 | 580 | 7000 | 7000 |
| 500x100 | 180 | 1250 | 1250 | 180 | 2200 | 2200 |
| x200 | 360 | 2500 | 2500 | 360 | 4400 | 4400 |
| x300 | 540 | 3800 | 3800 | 540 | 6500 | 6500 |
| x400 | 720 | 5100 | 5100 | 720 | 8700 | 8700 |
| x500 | 900 | 6400 | 6400 | 900 | 11000 | 11000 |
| 600x100 | 215 | 1500 | 1500 | 215 | 2600 | 2600 |
| x200 | 430 | 3100 | 3100 | 430 | 5200 | 5200 |
| x300 | 650 | 4600 | 4600 | 650 | 7800 | 7800 |
| x400 | 865 | 6200 | 6200 | 865 | 10500 | 10500 |
| x500 | 1080 | 7700 | 7700 | 1080 | 13000 | 13000 |
| x600 | 1300 | 9200 | 9200 | 1300 | 16000 | 16000 |
| 700x200 | 500 | 3600 | 3600 | 500 | 6000 | 6000 |
| x300 | 800 | 5400 | 5400 | 800 | 9000 | 9000 |
| x400 | 1000 | 7200 | 7200 | 1000 | 12000 | 12000 |
| x500 | 1250 | 9000 | 9000 | 1250 | 15000 | 15000 |
| 800x200 | 580 | 4100 | 4100 | 580 | 7000 | 7000 |
| x300 | 870 | 6200 | 6200 | 870 | 10500 | 10500 |
| x400 | 1150 | 8200 | 8200 | 1150 | 14000 | 14000 |
| x500 | 1450 | 10500 | 10500 | 1450 | 17500 | 17500 |
| x600 | 1730 | 12500 | 12500 | 1730 | 21000 | 21000 |
| x800 | 2300 | 16500 | 16500 | 2300 | 28000 | 28000 |
| 900x300 | 980 | 6900 | 6900 | 980 | 12000 | 12000 |
| x400 | 1300 | 9200 | 9200 | 1300 | 16000 | 16000 |
| x500 | 1620 | 12000 | 12000 | 1620 | 20000 | 20000 |
| 1000x300 | 1080 | 7700 | 7700 | 1080 | 13000 | 13000 |
| x400 | 1440 | 10500 | 10500 | 1440 | 17500 | 17500 |
| x500 | 1800 | 13000 | 13000 | 1800 | 22000 | 22000 |
| x600 | 2160 | 15500 | 15500 | 2160 | 26000 | 26000 |
| x800 | 2880 | 21000 | 21000 | 2880 | 35000 | 35000 |
| x1000 | 3600 | 26000 | 26000 | 3600 | 43000 | 43000 |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



Determination of actual air volume

Air volume value is determined by means of the computation from the measured value U_5

Sample for the operating mode 2...10V

$$\dot{V} = \frac{U_5 - 2,0}{8} \cdot \dot{V}_{\text{nom}}$$

Sample for the operating mode 0...10V

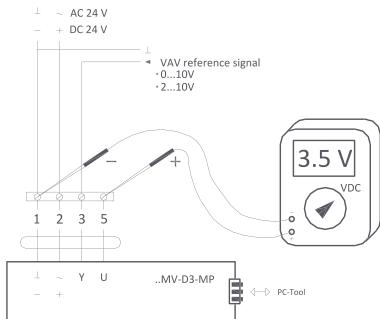
$$\dot{V} = \frac{U_5 \cdot \dot{V}_{\text{nom}}}{10}$$

Searched for : actual air volume
Voltage measured on U_5 : 3,5 V

$$\dot{V}_{\text{nom}} = 2800 \text{ m}^3 \cdot \text{h}^{-1}$$

$$\dot{V} = \frac{3,5 - 2,0}{8} \cdot 2800 = 525$$

Actual air volume is $525 \text{ m}^3 \text{ h}^{-1}$



Searched for : actual air volume
Voltage measured on U_5 : 3,5 V

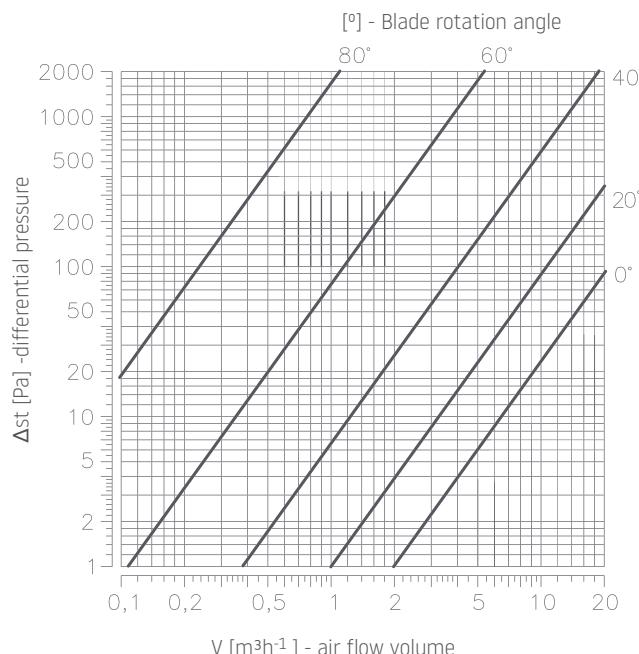
$$\dot{V}_{\text{nom}} = 2200 \text{ m}^3 \cdot \text{h}^{-1}$$

$$\dot{V} = \frac{3,5 \cdot 2200}{10} = 770$$

Actual air volume is $770 \text{ m}^3 \text{ h}^{-1}$

Pressure losses

Determination of pressure loss using $p=1.2 \text{ kg.m}^{-3}$ diagram



Noise data

Air-generated noise

The noise arising due to the flow of air volume controller is listed in the following tables

$V [\text{m}^3 \text{h}^{-1}]$ - air flow volume

$\Delta st [\text{Pa}]$ - pressure differential

$L_W [\text{dB}/\text{Okt.}]$ - level of acoustic power in the octave band

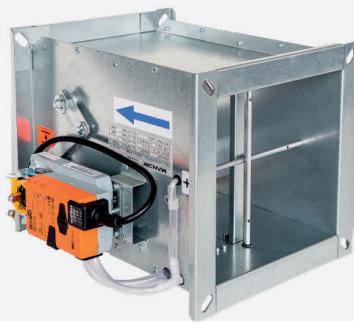
$L_{WA} [\text{dB(A)}]$ - total level of acoustic power corrected by filter A

$f_m [\text{Hz}]$ - mean frequencies in the octave bands



RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 50 Pa

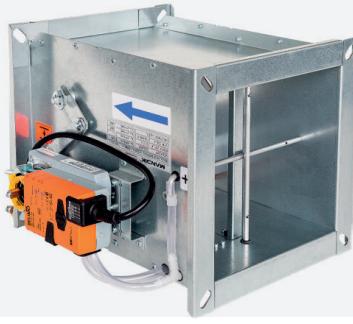
$$\Delta P_{st} = 50 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/Okt] | | | | | | | | L _{wA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 200x100 | 90 | 44 | 43 | 39 | 39 | 39 | 40 | 43 | 37 | 47 | |
| | 360 | 44 | 43 | 41 | 40 | 34 | 41 | 43 | 38 | 48 | |
| | 630 | 45 | 47 | 48 | 47 | 47 | 45 | 47 | 39 | 52 | |
| | 900 | 51 | 50 | 51 | 52 | 52 | 51 | 50 | 44 | 57 | |
| 200x200 | 180 | 47 | 47 | 42 | 42 | 42 | 43 | 43 | 40 | 50 | |
| | 720 | 46 | 45 | 43 | 42 | 41 | 43 | 43 | 40 | 50 | |
| | 1260 | 46 | 48 | 49 | 48 | 48 | 46 | 46 | 40 | 53 | |
| | 1800 | 51 | 50 | 51 | 52 | 52 | 51 | 51 | 43 | 57 | |
| 300x100 | 130 | 44 | 43 | 39 | 39 | 39 | 40 | 40 | 38 | 47 | |
| | 520 | 45 | 45 | 43 | 42 | 42 | 43 | 43 | 40 | 49 | |
| | 910 | 45 | 47 | 48 | 47 | 47 | 45 | 45 | 40 | 52 | |
| | 1300 | 50 | 49 | 50 | 51 | 51 | 50 | 50 | 43 | 56 | |
| 300x200 | 260 | 46 | 45 | 41 | 41 | 42 | 42 | 42 | 39 | 49 | |
| | 1040 | 46 | 45 | 44 | 43 | 43 | 44 | 44 | 41 | 50 | |
| | 1820 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 42 | 58 | |
| | 2600 | 52 | 51 | 52 | 53 | 53 | 52 | 52 | 44 | 58 | |
| 300x300 | 390 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 1560 | 46 | 45 | 43 | 42 | 41 | 43 | 43 | 40 | 49 | |
| | 2730 | 47 | 49 | 50 | 49 | 51 | 47 | 47 | 41 | 54 | |
| | 3900 | 53 | 52 | 53 | 54 | 54 | 53 | 53 | 45 | 59 | |
| 400x100 | 180 | 45 | 44 | 40 | 40 | 40 | 41 | 41 | 38 | 48 | |
| | 720 | 46 | 45 | 43 | 42 | 41 | 43 | 43 | 40 | 49 | |
| | 1260 | 46 | 48 | 49 | 48 | 48 | 46 | 46 | 40 | 53 | |
| | 1800 | 52 | 51 | 52 | 53 | 53 | 52 | 52 | 44 | 58 | |
| 400x200 | 350 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 1400 | 47 | 46 | 44 | 43 | 42 | 44 | 44 | 41 | 50 | |
| | 2450 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 42 | 55 | |
| | 3500 | 52 | 51 | 52 | 53 | 53 | 52 | 52 | 44 | 58 | |
| 400x300 | 520 | 45 | 44 | 40 | 46 | 40 | 41 | 41 | 38 | 47 | |
| | 2080 | 47 | 46 | 44 | 43 | 42 | 44 | 44 | 41 | 51 | |
| | 3640 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 42 | 55 | |
| | 5200 | 54 | 53 | 54 | 55 | 55 | 54 | 54 | 46 | 60 | |
| 400x400 | 700 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 2800 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 4900 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 7000 | 60 | 59 | 61 | 61 | 61 | 60 | 60 | 52 | 66 | |
| 500x100 | 220 | 47 | 46 | 42 | 42 | 42 | 43 | 43 | 40 | 50 | |
| | 880 | 47 | 46 | 44 | 43 | 42 | 44 | 44 | 51 | 51 | |
| | 1540 | 47 | 49 | 60 | 49 | 49 | 47 | 47 | 41 | 54 | |
| | 2200 | 52 | 51 | 52 | 53 | 53 | 52 | 52 | 44 | 58 | |
| 500x200 | 440 | 45 | 44 | 41 | 41 | 41 | 42 | 42 | 39 | 48 | |
| | 1760 | 47 | 46 | 44 | 43 | 42 | 44 | 44 | 41 | 51 | |
| | 3080 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 42 | 55 | |
| | 4400 | 54 | 53 | 54 | 55 | 55 | 54 | 54 | 46 | 60 | |
| 500x300 | 650 | 54 | 44 | 40 | 40 | 40 | 41 | 41 | 38 | 48 | |
| | 2600 | 46 | 45 | 43 | 42 | 42 | 43 | 43 | 40 | 50 | |
| | 4550 | 47 | 48 | 48 | 47 | 47 | 47 | 47 | 42 | 53 | |
| | 6500 | 54 | 53 | 53 | 53 | 53 | 53 | 53 | 47 | 59 | |
| 500x400 | 870 | 46 | 45 | 42 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 3480 | 47 | 46 | 44 | 43 | 42 | 44 | 44 | 41 | 51 | |
| | 6090 | 47 | 49 | 50 | 49 | 49 | 47 | 47 | 41 | 54 | |
| | 8700 | 55 | 54 | 55 | 56 | 56 | 55 | 55 | 47 | 61 | |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



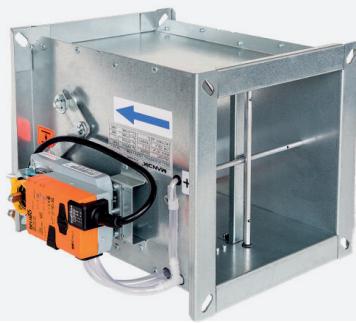
Sound power level inside the pipeline at pressure difference 50 Pa

$\Delta P_{st} = 50 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB/Okt] | | | | | | | | L_{WA} [dB(A)] | |
|--------------|-------------|----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 500x500 | 1100 | 47 | 46 | 42 | 42 | 42 | 43 | 43 | 40 | 50 | |
| | 4400 | 49 | 48 | 46 | 45 | 44 | 46 | 46 | 43 | 53 | |
| | 7700 | 50 | 52 | 51 | 51 | 51 | 50 | 50 | 45 | 57 | |
| | 11000 | 58 | 58 | 57 | 57 | 57 | 57 | 57 | 51 | 63 | |
| 600x100 | 260 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 1040 | 46 | 45 | 44 | 43 | 42 | 44 | 44 | 41 | 50 | |
| | 1820 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 42 | 55 | |
| | 2600 | 52 | 51 | 52 | 53 | 53 | 52 | 52 | 44 | 58 | |
| 600x200 | 520 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 2080 | 47 | 47 | 45 | 44 | 43 | 45 | 45 | 42 | 51 | |
| | 3640 | 48 | 50 | 52 | 51 | 51 | 48 | 48 | 41 | 55 | |
| | 5200 | 54 | 53 | 54 | 55 | 55 | 55 | 54 | 46 | 60 | |
| 600x300 | 780 | 46 | 45 | 42 | 42 | 42 | 43 | 43 | 40 | 49 | |
| | 3120 | 48 | 47 | 46 | 45 | 44 | 46 | 46 | 43 | 52 | |
| | 5460 | 49 | 51 | 52 | 51 | 51 | 49 | 49 | 43 | 56 | |
| | 7800 | 55 | 54 | 55 | 56 | 56 | 55 | 55 | 47 | 61 | |
| 600x400 | 1050 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 4200 | 48 | 47 | 45 | 44 | 43 | 45 | 45 | 42 | 52 | |
| | 7350 | 48 | 50 | 51 | 50 | 50 | 48 | 48 | 43 | 55 | |
| | 10500 | 55 | 54 | 55 | 56 | 56 | 55 | 55 | 47 | 61 | |
| 600x500 | 1300 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 5200 | 54 | 53 | 51 | 39 | 49 | 51 | 51 | 48 | 58 | |
| | 9100 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 60 | |
| | 13000 | 61 | 60 | 61 | 62 | 62 | 61 | 61 | 53 | 67 | |
| 600x600 | 160 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 5440 | 53 | 52 | 50 | 49 | 48 | 50 | 50 | 47 | 57 | |
| | 10720 | 58 | 58 | 58 | 57 | 57 | 55 | 55 | 49 | 62 | |
| | 16000 | 62 | 61 | 62 | 63 | 62 | 62 | 62 | 54 | 68 | |
| 700x200 | 600 | 45 | 44 | 40 | 40 | 40 | 41 | 41 | 38 | 48 | |
| | 2400 | 48 | 47 | 46 | 45 | 44 | 46 | 46 | 43 | 52 | |
| | 4200 | 49 | 51 | 52 | 51 | 51 | 49 | 49 | 43 | 56 | |
| | 6000 | 55 | 54 | 55 | 56 | 56 | 55 | 55 | 47 | 60 | |
| 700x300 | 900 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 3600 | 48 | 47 | 71 | 44 | 43 | 45 | 45 | 42 | 52 | |
| | 6300 | 49 | 50 | 51 | 50 | 50 | 49 | 49 | 43 | 55 | |
| | 9000 | 55 | 54 | 55 | 56 | 56 | 55 | 55 | 47 | 61 | |
| 700x400 | 1200 | 46 | 45 | 41 | 41 | 40 | 42 | 42 | 39 | 49 | |
| | 4800 | 49 | 48 | 47 | 46 | 44 | 47 | 47 | 44 | 53 | |
| | 8400 | 49 | 51 | 52 | 51 | 51 | 49 | 49 | 44 | 56 | |
| | 12000 | 57 | 56 | 57 | 58 | 58 | 57 | 57 | 49 | 62 | |
| 700x500 | 1500 | 51 | 50 | 46 | 46 | 45 | 47 | 47 | 44 | 54 | |
| | 6000 | 55 | 54 | 52 | 51 | 49 | 52 | 52 | 49 | 59 | |
| | 10500 | 55 | 57 | 58 | 57 | 57 | 55 | 55 | 49 | 62 | |
| | 15000 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 800x200 | 700 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 2800 | 52 | 51 | 49 | 48 | 46 | 49 | 49 | 46 | 56 | |
| | 4900 | 53 | 55 | 55 | 54 | 54 | 53 | 53 | 47 | 60 | |
| | 7000 | 59 | 58 | 58 | 58 | 58 | 58 | 58 | 51 | 64 | |
| 800x300 | 1050 | 46 | 45 | 41 | 41 | 41 | 42 | 42 | 39 | 49 | |
| | 4200 | 48 | 48 | 46 | 45 | 43 | 46 | 46 | 43 | 52 | |
| | 7350 | 48 | 50 | 52 | 51 | 50 | 48 | 48 | 42 | 55 | |
| | 10500 | 55 | 54 | 55 | 56 | 56 | 56 | 56 | 46 | 61 | |

RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 50 Pa

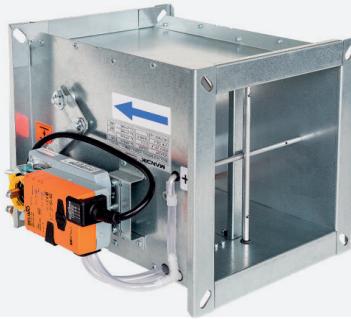
$\Delta P_{st} = 50 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB/Okt] | | | | | | | | L_{wA} [dB(A)] | |
|-----------|----------|----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 800x400 | 1400 | 46 | 45 | 41 | 41 | 40 | 42 | 42 | 39 | 49 | |
| | 5600 | 49 | 48 | 46 | 45 | 43 | 46 | 46 | 43 | 53 | |
| | 9800 | 50 | 52 | 53 | 52 | 52 | 50 | 50 | 45 | 57 | |
| | 14000 | 57 | 56 | 57 | 58 | 57 | 57 | 57 | 49 | 63 | |
| 800x500 | 1750 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 7000 | 55 | 54 | 52 | 51 | 50 | 52 | 52 | 49 | 59 | |
| | 12250 | 56 | 58 | 59 | 58 | 58 | 56 | 56 | 50 | 62 | |
| | 17500 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 800x600 | 2100 | 51 | 50 | 47 | 47 | 47 | 48 | 48 | 45 | 54 | |
| | 8400 | 56 | 55 | 53 | 52 | 51 | 53 | 53 | 50 | 60 | |
| | 14700 | 56 | 58 | 59 | 58 | 58 | 56 | 56 | 50 | 63 | |
| | 21000 | 64 | 63 | 64 | 65 | 65 | 64 | 64 | 56 | 70 | |
| 800x800 | 2800 | 52 | 51 | 47 | 47 | 47 | 48 | 48 | 45 | 55 | |
| | 11200 | 57 | 56 | 54 | 53 | 52 | 54 | 54 | 51 | 60 | |
| | 19600 | 58 | 57 | 60 | 59 | 59 | 58 | 58 | 52 | 64 | |
| | 28000 | 66 | 65 | 66 | 67 | 67 | 66 | 66 | 58 | 72 | |
| 900x300 | 1200 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 4800 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 8400 | 55 | 57 | 57 | 57 | 57 | 55 | 55 | 49 | 61 | |
| | 12000 | 61 | 60 | 61 | 62 | 62 | 61 | 61 | 53 | 67 | |
| 900x400 | 1600 | 52 | 51 | 47 | 47 | 47 | 48 | 48 | 45 | 55 | |
| | 6400 | 55 | 54 | 52 | 51 | 50 | 52 | 52 | 49 | 59 | |
| | 11200 | 56 | 57 | 58 | 57 | 57 | 56 | 56 | 50 | 62 | |
| | 16000 | 62 | 61 | 62 | 63 | 63 | 62 | 62 | 54 | 68 | |
| 900x500 | 2000 | 52 | 51 | 47 | 47 | 47 | 48 | 48 | 45 | 55 | |
| | 8000 | 56 | 55 | 53 | 52 | 51 | 53 | 53 | 50 | 60 | |
| | 14000 | 57 | 58 | 59 | 58 | 58 | 57 | 57 | 51 | 63 | |
| | 20000 | 64 | 63 | 64 | 65 | 65 | 64 | 64 | 56 | 70 | |
| 1000x300 | 1300 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 5200 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 9100 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 13000 | 62 | 61 | 62 | 63 | 63 | 62 | 62 | 54 | 68 | |
| 1000x400 | 1750 | 52 | 51 | 47 | 47 | 47 | 48 | 48 | 45 | 55 | |
| | 7000 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 12250 | 56 | 58 | 59 | 58 | 58 | 56 | 56 | 50 | 63 | |
| | 17500 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 1000x500 | 2200 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 8800 | 56 | 55 | 53 | 52 | 51 | 53 | 53 | 50 | 60 | |
| | 15400 | 57 | 59 | 60 | 59 | 59 | 57 | 57 | 51 | 63 | |
| | 22000 | 64 | 63 | 64 | 65 | 65 | 64 | 64 | 56 | 70 | |
| 1000x600 | 2600 | 53 | 52 | 48 | 48 | 48 | 49 | 49 | 46 | 56 | |
| | 10400 | 57 | 56 | 54 | 53 | 52 | 54 | 54 | 51 | 60 | |
| | 18200 | 57 | 59 | 60 | 59 | 59 | 57 | 57 | 51 | 63 | |
| | 26000 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 1000x800 | 3500 | 54 | 53 | 49 | 49 | 49 | 50 | 50 | 47 | 57 | |
| | 14000 | 58 | 57 | 55 | 54 | 53 | 55 | 55 | 52 | 61 | |
| | 24500 | 59 | 60 | 61 | 60 | 60 | 59 | 59 | 53 | 65 | |
| | 35000 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 1000x1000 | 4300 | 54 | 53 | 49 | 49 | 49 | 50 | 50 | 47 | 57 | |
| | 17200 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 62 | |
| | 30100 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 43000 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



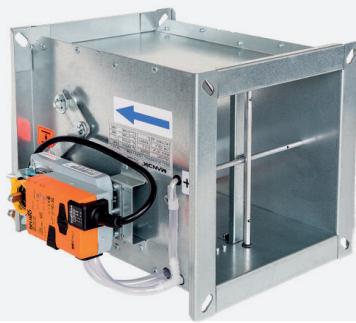
Sound power level inside the pipeline at pressure difference 100 Pa

$\Delta P_{st} = 100 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB/0kt] | | | | | | | | L_{wA} [dB(A)] | |
|--------------|-------------|----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 200x100 | 90 | 48 | 47 | 43 | 43 | 43 | 44 | 47 | 41 | 51 | |
| | 360 | 49 | 48 | 46 | 45 | 44 | 46 | 48 | 43 | 53 | |
| | 630 | 50 | 52 | 53 | 52 | 52 | 50 | 52 | 44 | 57 | |
| | 900 | 56 | 55 | 56 | 57 | 57 | 56 | 55 | 48 | 62 | |
| 200x200 | 180 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 720 | 51 | 50 | 48 | 47 | 46 | 48 | 48 | 45 | 55 | |
| | 1260 | 51 | 53 | 54 | 53 | 53 | 51 | 51 | 45 | 58 | |
| | 1800 | 56 | 55 | 56 | 57 | 57 | 56 | 56 | 48 | 62 | |
| 300x100 | 130 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 520 | 51 | 50 | 48 | 47 | 46 | 48 | 48 | 45 | 55 | |
| | 910 | 51 | 53 | 54 | 53 | 53 | 51 | 51 | 45 | 58 | |
| | 1300 | 56 | 55 | 56 | 57 | 57 | 56 | 56 | 48 | 62 | |
| 300x200 | 260 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 1040 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 1820 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 2600 | 57 | 56 | 57 | 58 | 58 | 57 | 57 | 49 | 63 | |
| 300x300 | 390 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 1560 | 51 | 50 | 48 | 47 | 46 | 48 | 48 | 45 | 55 | |
| | 2730 | 52 | 54 | 55 | 54 | 54 | 52 | 52 | 46 | 59 | |
| | 3900 | 58 | 57 | 58 | 59 | 59 | 58 | 58 | 50 | 64 | |
| 400x100 | 180 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 720 | 51 | 50 | 48 | 47 | 46 | 48 | 48 | 45 | 55 | |
| | 1260 | 51 | 53 | 54 | 53 | 53 | 51 | 51 | 45 | 58 | |
| | 1800 | 56 | 55 | 56 | 57 | 57 | 56 | 56 | 48 | 62 | |
| 400x200 | 350 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 1400 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 2450 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 3500 | 59 | 58 | 59 | 60 | 60 | 59 | 59 | 51 | 65 | |
| 400x300 | 520 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 2080 | 53 | 52 | 50 | 49 | 48 | 50 | 50 | 47 | 57 | |
| | 3640 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 5200 | 59 | 58 | 59 | 60 | 60 | 59 | 59 | 51 | 65 | |
| 400x400 | 700 | 55 | 54 | 50 | 50 | 50 | 51 | 51 | 48 | 58 | |
| | 2800 | 58 | 57 | 55 | 54 | 53 | 55 | 55 | 52 | 62 | |
| | 4900 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 7000 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 500x100 | 220 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 880 | 51 | 50 | 48 | 47 | 46 | 48 | 48 | 45 | 55 | |
| | 1540 | 51 | 53 | 54 | 53 | 53 | 51 | 51 | 45 | 58 | |
| | 2200 | 56 | 55 | 56 | 57 | 57 | 56 | 56 | 48 | 62 | |
| 500x200 | 440 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 1760 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 3080 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 4400 | 59 | 58 | 59 | 60 | 60 | 59 | 59 | 51 | 65 | |
| 500x300 | 650 | 49 | 48 | 44 | 44 | 44 | 45 | 45 | 42 | 52 | |
| | 2600 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 4550 | 52 | 54 | 55 | 54 | 54 | 52 | 52 | 46 | 59 | |
| | 6500 | 59 | 58 | 59 | 60 | 60 | 59 | 59 | 51 | 65 | |
| 500x400 | 870 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 3480 | 53 | 52 | 50 | 49 | 48 | 50 | 50 | 47 | 57 | |
| | 6090 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 8700 | 60 | 59 | 60 | 61 | 61 | 60 | 60 | 52 | 66 | |

RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 100 Pa

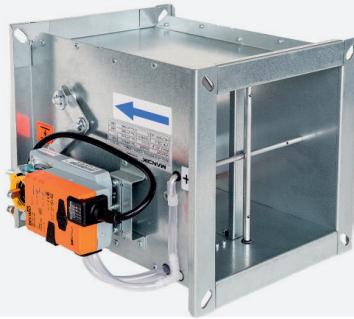
$\Delta P_{st} = 100 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB(Okt)] | | | | | | | | L_{WA} [dB(A)] | |
|-----------|----------|-----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 500x500 | 1100 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 4400 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 7700 | 55 | 57 | 58 | 57 | 57 | 55 | 55 | 49 | 62 | |
| | 11000 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 600x100 | 260 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 1040 | 52 | 51 | 49 | 48 | 47 | 49 | 49 | 46 | 56 | |
| | 1820 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 2600 | 57 | 56 | 57 | 58 | 58 | 57 | 57 | 49 | 63 | |
| 600x200 | 520 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 2080 | 53 | 52 | 50 | 49 | 48 | 50 | 50 | 47 | 57 | |
| | 3640 | 53 | 55 | 56 | 55 | 55 | 53 | 53 | 47 | 60 | |
| | 5200 | 59 | 58 | 59 | 60 | 60 | 59 | 59 | 51 | 65 | |
| 600x300 | 780 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 3120 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 5460 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 7800 | 61 | 60 | 61 | 62 | 62 | 61 | 61 | 53 | 67 | |
| 600x400 | 1050 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 4200 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 7350 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 10500 | 61 | 60 | 61 | 62 | 62 | 61 | 61 | 53 | 67 | |
| 600x500 | 1300 | 55 | 54 | 50 | 50 | 50 | 51 | 51 | 48 | 58 | |
| | 5200 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 9100 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 13000 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 600x600 | 160 | 56 | 55 | 51 | 51 | 51 | 52 | 52 | 49 | 59 | |
| | 5440 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 10720 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 16000 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 700x200 | 600 | 50 | 49 | 45 | 45 | 45 | 46 | 46 | 43 | 53 | |
| | 2400 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 4200 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 6000 | 60 | 59 | 60 | 61 | 61 | 60 | 60 | 52 | 66 | |
| 700x300 | 900 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 3600 | 53 | 52 | 50 | 49 | 48 | 50 | 50 | 47 | 57 | |
| | 6300 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 9000 | 60 | 59 | 60 | 61 | 61 | 60 | 60 | 52 | 66 | |
| 700x400 | 1200 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 4800 | 55 | 54 | 52 | 51 | 50 | 52 | 52 | 49 | 59 | |
| | 8400 | 55 | 57 | 58 | 57 | 57 | 55 | 55 | 49 | 62 | |
| | 12000 | 62 | 61 | 62 | 63 | 63 | 62 | 62 | 54 | 68 | |
| 700x500 | 1500 | 56 | 55 | 51 | 51 | 51 | 52 | 52 | 49 | 59 | |
| | 6000 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 10500 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 15000 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 800x200 | 700 | 55 | 54 | 50 | 50 | 50 | 51 | 51 | 48 | 58 | |
| | 2800 | 58 | 57 | 55 | 54 | 53 | 55 | 55 | 52 | 62 | |
| | 4900 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 7000 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 800x300 | 1050 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 4200 | 54 | 53 | 51 | 50 | 49 | 51 | 51 | 48 | 58 | |
| | 7350 | 54 | 56 | 57 | 56 | 56 | 54 | 54 | 48 | 61 | |
| | 10500 | 61 | 60 | 61 | 62 | 62 | 61 | 61 | 53 | 67 | |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



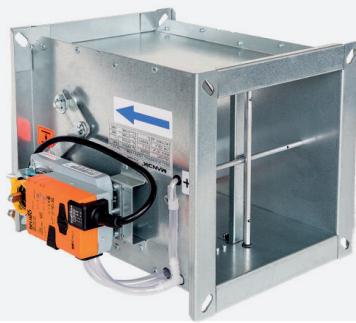
Sound power level inside the pipeline at pressure difference 100 Pa

$$\Delta P_{st} = 100 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/Okt] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 800x400 | 1400 | 51 | 50 | 46 | 46 | 46 | 47 | 47 | 44 | 54 | |
| | 5600 | 55 | 54 | 52 | 51 | 50 | 52 | 52 | 49 | 59 | |
| | 9800 | 55 | 57 | 58 | 57 | 57 | 55 | 55 | 49 | 62 | |
| | 14000 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 800x500 | 1750 | 56 | 55 | 51 | 51 | 51 | 52 | 52 | 49 | 59 | |
| | 7000 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 12250 | 61 | 63 | 64 | 63 | 63 | 61 | 61 | 55 | 68 | |
| | 17500 | 69 | 68 | 69 | 70 | 70 | 69 | 69 | 61 | 75 | |
| 800x600 | 2100 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 8400 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 14700 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 21000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 800x800 | 2800 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 11200 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 19600 | 63 | 65 | 66 | 65 | 65 | 63 | 63 | 57 | 70 | |
| | 28000 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 900x300 | 1200 | 56 | 55 | 51 | 51 | 51 | 52 | 52 | 49 | 59 | |
| | 4800 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 8400 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 12000 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 900x400 | 1600 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 6400 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 11200 | 61 | 63 | 64 | 63 | 63 | 61 | 61 | 55 | 68 | |
| | 16000 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 900x500 | 2000 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 8000 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 14000 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 20000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 1000x300 | 1300 | 56 | 55 | 51 | 51 | 51 | 52 | 52 | 49 | 59 | |
| | 5200 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 9100 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 13000 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 1000x400 | 1750 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 7000 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 12250 | 61 | 63 | 64 | 63 | 63 | 61 | 61 | 55 | 68 | |
| | 17500 | 69 | 68 | 69 | 70 | 70 | 69 | 69 | 61 | 75 | |
| 1000x500 | 2200 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 8800 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 15400 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 22000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 1000x600 | 2600 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 10400 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 18200 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 26000 | 71 | 70 | 71 | 72 | 72 | 71 | 71 | 63 | 77 | |
| 1000x800 | 3500 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 14000 | 63 | 62 | 60 | 59 | 58 | 60 | 60 | 57 | 67 | |
| | 24500 | 64 | 66 | 67 | 66 | 66 | 64 | 64 | 58 | 71 | |
| | 35000 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |
| 1000x1000 | 4300 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 17200 | 64 | 63 | 61 | 60 | 59 | 61 | 61 | 58 | 68 | |
| | 30100 | 65 | 67 | 68 | 67 | 67 | 65 | 65 | 59 | 72 | |
| | 43000 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |

RPMC-V SERIES

TECHNICAL DATA



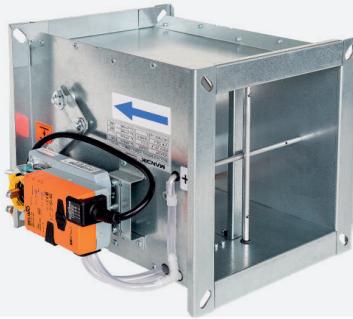
Sound power level inside the pipeline at pressure difference 250 Pa

$\Delta P_{st} = 250 \text{ Pa}$

| Size [mm] | V [m³/h] | L_w [dB(Okt)] | | | | | | | | L_{WA} [dB(A)] | |
|--------------|-------------|-----------------|-----|-----|-----|------|------|------|------|------------------|--|
| | | f_m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 200x100 | 90 | 54 | 53 | 49 | 49 | 49 | 50 | 53 | 47 | 57 | |
| | 360 | 58 | 57 | 55 | 54 | 53 | 55 | 57 | 52 | 62 | |
| | 630 | 58 | 60 | 61 | 60 | 60 | 58 | 60 | 52 | 65 | |
| | 900 | 65 | 64 | 65 | 66 | 66 | 65 | 64 | 57 | 71 | |
| 200x200 | 180 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 720 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 1260 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 1800 | 64 | 63 | 64 | 65 | 65 | 64 | 64 | 56 | 70 | |
| 300x100 | 130 | 54 | 53 | 49 | 49 | 49 | 50 | 50 | 47 | 57 | |
| | 520 | 58 | 57 | 55 | 54 | 53 | 55 | 55 | 52 | 62 | |
| | 910 | 58 | 60 | 61 | 60 | 60 | 58 | 58 | 52 | 65 | |
| | 1300 | 62 | 61 | 62 | 63 | 63 | 62 | 62 | 54 | 68 | |
| 300x200 | 260 | 57 | 56 | 52 | 52 | 52 | 54 | 53 | 50 | 60 | |
| | 1040 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 1820 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 2600 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 300x300 | 390 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 1560 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 2730 | 61 | 63 | 64 | 63 | 63 | 61 | 61 | 55 | 68 | |
| | 3900 | 66 | 65 | 66 | 67 | 67 | 66 | 66 | 58 | 72 | |
| 400x100 | 180 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 720 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 1260 | 59 | 61 | 62 | 61 | 61 | 59 | 59 | 53 | 66 | |
| | 1800 | 66 | 65 | 66 | 67 | 67 | 66 | 66 | 58 | 72 | |
| 400x200 | 350 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 1400 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 2450 | 61 | 63 | 64 | 63 | 63 | 61 | 61 | 55 | 68 | |
| | 3500 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 400x300 | 520 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 2080 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 3640 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 5200 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 400x400 | 700 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 2800 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 4900 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 7000 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 500x100 | 220 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 880 | 60 | 59 | 57 | 56 | 55 | 57 | 57 | 54 | 64 | |
| | 1540 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 2200 | 63 | 62 | 63 | 64 | 64 | 63 | 63 | 55 | 69 | |
| 500x200 | 440 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 1760 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 3080 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 4400 | 65 | 64 | 65 | 66 | 66 | 65 | 65 | 57 | 71 | |
| 500x300 | 650 | 58 | 57 | 53 | 53 | 53 | 54 | 54 | 51 | 61 | |
| | 2600 | 61 | 60 | 58 | 57 | 57 | 58 | 58 | 55 | 65 | |
| | 4550 | 61 | 63 | 61 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 6500 | 65 | 66 | 64 | 63 | 63 | 64 | 64 | 61 | 71 | |
| 500x400 | 870 | 60 | 58 | 56 | 55 | 55 | 56 | 56 | 53 | 63 | |
| | 3480 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 6090 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 8700 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |

RPMC-V SERIES

TECHNICAL DATA



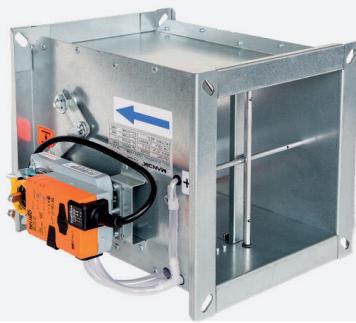
Sound power level inside the pipeline at pressure difference 250 Pa

$$\Delta P_{st} = 250 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB(Okt)] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|--------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 500x500 | 1100 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 4400 | 66 | 66 | 62 | 62 | 62 | 63 | 63 | 60 | 70 | |
| | 7700 | 66 | 69 | 65 | 65 | 65 | 66 | 66 | 63 | 73 | |
| | 11000 | 71 | 73 | 69 | 69 | 69 | 70 | 70 | 67 | 77 | |
| 600x100 | 260 | 57 | 56 | 52 | 52 | 52 | 53 | 53 | 50 | 60 | |
| | 1040 | 59 | 58 | 56 | 55 | 54 | 56 | 56 | 53 | 63 | |
| | 1820 | 60 | 62 | 63 | 62 | 62 | 60 | 60 | 54 | 67 | |
| | 2600 | 64 | 63 | 64 | 65 | 65 | 64 | 64 | 56 | 70 | |
| 600x200 | 520 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 2080 | 61 | 60 | 58 | 57 | 56 | 58 | 58 | 55 | 65 | |
| | 3640 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 5200 | 66 | 65 | 66 | 67 | 67 | 66 | 66 | 58 | 72 | |
| 600x300 | 780 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 3120 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 5460 | 63 | 65 | 66 | 65 | 65 | 63 | 63 | 57 | 70 | |
| | 7800 | 67 | 66 | 67 | 68 | 68 | 67 | 67 | 59 | 73 | |
| 600x400 | 1050 | 60 | 59 | 55 | 55 | 55 | 56 | 56 | 53 | 63 | |
| | 4200 | 63 | 62 | 60 | 59 | 58 | 60 | 60 | 57 | 67 | |
| | 7350 | 63 | 65 | 66 | 65 | 65 | 63 | 63 | 57 | 70 | |
| | 10500 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 600x500 | 1300 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 5200 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 9100 | 66 | 68 | 69 | 68 | 68 | 66 | 66 | 60 | 73 | |
| | 13000 | 71 | 70 | 71 | 72 | 72 | 71 | 71 | 63 | 77 | |
| 600x600 | 160 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 5440 | 66 | 65 | 63 | 62 | 61 | 63 | 63 | 60 | 70 | |
| | 10720 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 16000 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 700x200 | 600 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 2400 | 62 | 61 | 59 | 58 | 57 | 59 | 59 | 56 | 66 | |
| | 4200 | 62 | 64 | 65 | 64 | 64 | 62 | 62 | 56 | 69 | |
| | 6000 | 66 | 65 | 66 | 67 | 67 | 66 | 66 | 58 | 72 | |
| 700x300 | 900 | 60 | 59 | 55 | 55 | 55 | 56 | 56 | 53 | 63 | |
| | 3600 | 63 | 62 | 60 | 59 | 58 | 60 | 60 | 57 | 67 | |
| | 6300 | 63 | 65 | 66 | 65 | 65 | 63 | 63 | 57 | 70 | |
| | 9000 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |
| 700x400 | 1200 | 61 | 60 | 56 | 56 | 56 | 57 | 57 | 54 | 64 | |
| | 4800 | 64 | 63 | 61 | 60 | 59 | 61 | 61 | 58 | 68 | |
| | 8400 | 64 | 66 | 67 | 66 | 66 | 64 | 64 | 58 | 71 | |
| | 12000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 700x500 | 1500 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 6000 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 10500 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 15000 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |
| 800x200 | 700 | 59 | 58 | 54 | 54 | 54 | 55 | 55 | 52 | 62 | |
| | 2800 | 62 | 61 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 4900 | 62 | 64 | 61 | 61 | 61 | 62 | 62 | 56 | 69 | |
| | 7000 | 66 | 65 | 64 | 64 | 64 | 65 | 65 | 58 | 72 | |
| 800x300 | 1050 | 61 | 60 | 56 | 56 | 56 | 57 | 57 | 54 | 64 | |
| | 4200 | 63 | 62 | 60 | 59 | 58 | 60 | 60 | 57 | 67 | |
| | 7350 | 63 | 65 | 66 | 65 | 65 | 63 | 63 | 57 | 70 | |
| | 10500 | 68 | 67 | 68 | 69 | 69 | 68 | 68 | 60 | 74 | |

RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 250 Pa

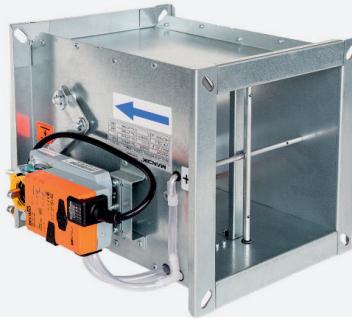
$\Delta P_{st} = 250 \text{ Pa}$

| Size [mm] | V [m³/h] | L _w [dB/0kt] | | | | | | | | L _{wA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 800x400 | 1400 | 61 | 60 | 56 | 56 | 56 | 57 | 57 | 54 | 64 | |
| | 5600 | 64 | 63 | 61 | 60 | 59 | 61 | 61 | 58 | 68 | |
| | 9800 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 14000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 800x500 | 1750 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 7000 | 68 | 67 | 65 | 64 | 63 | 65 | 65 | 62 | 72 | |
| | 12250 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 17500 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |
| 800x600 | 2100 | 66 | 65 | 61 | 61 | 61 | 62 | 62 | 59 | 69 | |
| | 8400 | 69 | 68 | 66 | 65 | 64 | 66 | 66 | 63 | 73 | |
| | 14700 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 21000 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 | |
| 800x800 | 2800 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 11200 | 69 | 68 | 66 | 65 | 64 | 66 | 66 | 63 | 73 | |
| | 19600 | 70 | 72 | 73 | 72 | 72 | 70 | 70 | 64 | 77 | |
| | 28000 | 76 | 75 | 76 | 77 | 77 | 76 | 76 | 68 | 82 | |
| 900x300 | 1200 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 4800 | 66 | 65 | 63 | 62 | 61 | 63 | 63 | 60 | 70 | |
| | 8400 | 66 | 68 | 69 | 68 | 68 | 66 | 66 | 60 | 73 | |
| | 12000 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 900x400 | 1600 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 6400 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 11200 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 16000 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 900x500 | 2000 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 8000 | 68 | 67 | 65 | 64 | 63 | 65 | 65 | 62 | 72 | |
| | 14000 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 20000 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 | |
| 1000x300 | 1300 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 5200 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 9100 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 13000 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 1000x400 | 1750 | 64 | 63 | 59 | 59 | 59 | 60 | 60 | 57 | 67 | |
| | 7000 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 12250 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 17500 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |
| 1000x500 | 2200 | 60 | 59 | 55 | 55 | 55 | 56 | 56 | 53 | 63 | |
| | 8800 | 68 | 67 | 65 | 64 | 63 | 65 | 65 | 62 | 72 | |
| | 15400 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 22000 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 | |
| 1000x600 | 2600 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 10400 | 69 | 68 | 66 | 65 | 64 | 66 | 66 | 63 | 73 | |
| | 18200 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 26000 | 75 | 74 | 75 | 76 | 76 | 75 | 75 | 67 | 81 | |
| 1000x800 | 3500 | 66 | 65 | 61 | 61 | 61 | 62 | 62 | 59 | 69 | |
| | 14000 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 | |
| | 24500 | 71 | 73 | 74 | 73 | 73 | 71 | 71 | 65 | 78 | |
| | 35000 | 77 | 76 | 77 | 78 | 78 | 77 | 77 | 69 | 83 | |
| 1000x1000 | 4300 | 67 | 66 | 62 | 62 | 62 | 63 | 63 | 60 | 70 | |
| | 17200 | 71 | 70 | 68 | 67 | 66 | 68 | 68 | 65 | 75 | |
| | 30100 | 71 | 73 | 74 | 73 | 73 | 71 | 71 | 65 | 78 | |
| | 43000 | 77 | 76 | 77 | 78 | 78 | 77 | 77 | 69 | 83 | |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



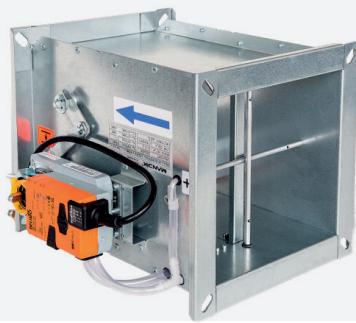
Sound power level inside the pipeline at pressure difference 500 Pa

$$\Delta P_{st} = 500 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/0kt] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 200x100 | 90 | 61 | 60 | 56 | 56 | 56 | 57 | 60 | 54 | 64 | |
| | 360 | 65 | 64 | 62 | 61 | 60 | 62 | 64 | 59 | 69 | |
| | 630 | 64 | 66 | 67 | 66 | 66 | 64 | 66 | 58 | 71 | |
| | 900 | 72 | 71 | 72 | 73 | 73 | 72 | 71 | 64 | 78 | |
| 200x200 | 180 | 61 | 60 | 56 | 56 | 56 | 57 | 57 | 54 | 64 | |
| | 720 | 66 | 65 | 63 | 62 | 61 | 63 | 63 | 60 | 70 | |
| | 1260 | 66 | 68 | 69 | 68 | 68 | 66 | 66 | 60 | 73 | |
| | 1800 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 300x100 | 130 | 61 | 60 | 56 | 56 | 56 | 57 | 57 | 54 | 64 | |
| | 520 | 65 | 64 | 62 | 61 | 60 | 62 | 62 | 59 | 69 | |
| | 910 | 65 | 67 | 68 | 67 | 67 | 65 | 65 | 59 | 72 | |
| | 1300 | 69 | 68 | 69 | 70 | 70 | 69 | 69 | 61 | 75 | |
| 300x200 | 260 | 62 | 61 | 57 | 57 | 57 | 58 | 58 | 55 | 65 | |
| | 1040 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 1820 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 2600 | 71 | 70 | 71 | 72 | 72 | 71 | 71 | 63 | 77 | |
| 300x300 | 390 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 1560 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 2730 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 3900 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 400x100 | 180 | 62 | 61 | 57 | 57 | 57 | 58 | 58 | 55 | 65 | |
| | 720 | 66 | 65 | 63 | 62 | 61 | 63 | 63 | 60 | 70 | |
| | 1260 | 66 | 68 | 69 | 68 | 68 | 66 | 66 | 60 | 73 | |
| | 1800 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 400x200 | 350 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 1400 | 68 | 67 | 65 | 64 | 63 | 65 | 65 | 62 | 72 | |
| | 2450 | 68 | 70 | 71 | 70 | 70 | 68 | 68 | 62 | 75 | |
| | 3500 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 400x300 | 520 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 2080 | 69 | 68 | 66 | 65 | 64 | 66 | 66 | 63 | 73 | |
| | 3640 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 5200 | 73 | 72 | 73 | 74 | 74 | 73 | 73 | 65 | 79 | |
| 400x400 | 700 | 66 | 65 | 61 | 61 | 61 | 62 | 62 | 59 | 69 | |
| | 2800 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 | |
| | 4900 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 7000 | 75 | 74 | 75 | 76 | 76 | 75 | 75 | 67 | 81 | |
| 500x100 | 220 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 880 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 | |
| | 1540 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 | |
| | 2200 | 70 | 69 | 70 | 71 | 71 | 70 | 70 | 62 | 76 | |
| 500x200 | 440 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 | |
| | 1760 | 68 | 67 | 65 | 64 | 63 | 65 | 65 | 62 | 72 | |
| | 3080 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 4400 | 72 | 71 | 72 | 73 | 73 | 72 | 72 | 64 | 78 | |
| 500x300 | 650 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 | |
| | 2600 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 | |
| | 4550 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 | |
| | 6500 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 | |
| 500x400 | 870 | 67 | 66 | 62 | 62 | 62 | 63 | 63 | 60 | 70 | |
| | 3480 | 71 | 70 | 68 | 67 | 66 | 68 | 68 | 65 | 75 | |
| | 6090 | 70 | 72 | 73 | 72 | 72 | 70 | 70 | 64 | 77 | |
| | 8700 | 76 | 75 | 76 | 77 | 77 | 76 | 76 | 68 | 82 | |

RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 500 Pa

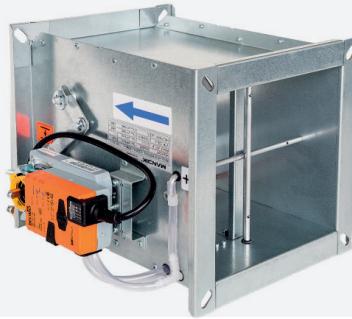
$$\Delta P_{st} = 500 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB/Okt] | | | | | | | | L _{WA} [dB(A)] |
|--------------|-------------|-------------------------|-----|-----|-----|------|------|------|------|-------------------------|
| | | f _m [Hz] | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| 500x500 | 1100 | 70 | 69 | 65 | 65 | 65 | 66 | 66 | 63 | 73 |
| | 4400 | 73 | 72 | 70 | 69 | 68 | 70 | 70 | 67 | 77 |
| | 7700 | 73 | 75 | 76 | 75 | 75 | 73 | 73 | 67 | 80 |
| | 11000 | 79 | 78 | 79 | 80 | 80 | 79 | 79 | 71 | 85 |
| 600x100 | 260 | 63 | 62 | 58 | 58 | 58 | 59 | 59 | 56 | 66 |
| | 1040 | 67 | 66 | 64 | 63 | 62 | 64 | 64 | 61 | 71 |
| | 1820 | 67 | 69 | 70 | 69 | 69 | 67 | 67 | 61 | 74 |
| | 2600 | 71 | 70 | 71 | 72 | 72 | 71 | 71 | 63 | 77 |
| 600x200 | 520 | 65 | 64 | 60 | 60 | 60 | 61 | 61 | 58 | 68 |
| | 2080 | 69 | 68 | 66 | 65 | 64 | 66 | 66 | 63 | 73 |
| | 3640 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 |
| | 5200 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 |
| 600x300 | 780 | 66 | 65 | 61 | 61 | 61 | 62 | 62 | 59 | 69 |
| | 3120 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 |
| | 5460 | 70 | 72 | 73 | 72 | 72 | 70 | 70 | 64 | 77 |
| | 7800 | 75 | 74 | 75 | 76 | 76 | 75 | 75 | 67 | 81 |
| 600x400 | 1050 | 68 | 67 | 63 | 63 | 63 | 64 | 64 | 61 | 71 |
| | 4200 | 71 | 70 | 68 | 67 | 66 | 68 | 68 | 65 | 75 |
| | 7350 | 71 | 73 | 74 | 73 | 73 | 71 | 71 | 65 | 78 |
| | 10500 | 77 | 76 | 77 | 78 | 78 | 77 | 77 | 69 | 83 |
| 600x500 | 1300 | 71 | 70 | 66 | 66 | 66 | 67 | 67 | 64 | 74 |
| | 5200 | 74 | 73 | 71 | 70 | 69 | 71 | 71 | 68 | 78 |
| | 9100 | 74 | 76 | 77 | 76 | 76 | 74 | 74 | 68 | 81 |
| | 13000 | 80 | 79 | 80 | 81 | 81 | 80 | 80 | 72 | 86 |
| 600x600 | 160 | 70 | 69 | 65 | 65 | 65 | 66 | 66 | 63 | 73 |
| | 5440 | 74 | 73 | 71 | 70 | 69 | 71 | 71 | 68 | 78 |
| | 10720 | 74 | 76 | 77 | 76 | 76 | 74 | 74 | 68 | 81 |
| | 16000 | 81 | 80 | 81 | 82 | 82 | 81 | 81 | 73 | 87 |
| 700x200 | 600 | 66 | 65 | 61 | 61 | 61 | 62 | 62 | 59 | 69 |
| | 2400 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 |
| | 4200 | 69 | 71 | 72 | 71 | 71 | 69 | 69 | 63 | 76 |
| | 6000 | 74 | 73 | 74 | 75 | 75 | 74 | 74 | 66 | 80 |
| 700x300 | 900 | 67 | 66 | 62 | 62 | 62 | 63 | 63 | 60 | 70 |
| | 3600 | 70 | 69 | 66 | 66 | 66 | 67 | 67 | 64 | 74 |
| | 6300 | 70 | 72 | 73 | 72 | 72 | 70 | 70 | 64 | 77 |
| | 9000 | 76 | 75 | 76 | 77 | 77 | 76 | 76 | 68 | 82 |
| 700x400 | 1200 | 68 | 67 | 63 | 63 | 63 | 64 | 64 | 61 | 71 |
| | 4800 | 72 | 71 | 69 | 68 | 67 | 69 | 69 | 66 | 76 |
| | 8400 | 72 | 74 | 75 | 74 | 74 | 72 | 72 | 66 | 79 |
| | 12000 | 78 | 77 | 78 | 79 | 79 | 78 | 78 | 70 | 84 |
| 700x500 | 1500 | 71 | 70 | 66 | 66 | 66 | 67 | 67 | 64 | 74 |
| | 6000 | 75 | 74 | 72 | 71 | 70 | 72 | 72 | 69 | 79 |
| | 10500 | 74 | 76 | 77 | 76 | 76 | 74 | 74 | 68 | 81 |
| | 15000 | 81 | 80 | 81 | 82 | 82 | 81 | 81 | 73 | 87 |
| 800x200 | 700 | 67 | 66 | 62 | 62 | 62 | 63 | 63 | 60 | 70 |
| | 2800 | 70 | 69 | 67 | 66 | 65 | 67 | 67 | 64 | 74 |
| | 4900 | 70 | 72 | 73 | 72 | 72 | 70 | 70 | 64 | 77 |
| | 7000 | 75 | 74 | 75 | 76 | 76 | 75 | 75 | 67 | 81 |
| 800x300 | 1050 | 68 | 67 | 63 | 63 | 63 | 64 | 64 | 61 | 71 |
| | 4200 | 71 | 71 | 67 | 67 | 67 | 68 | 68 | 65 | 75 |
| | 7350 | 71 | 73 | 74 | 73 | 73 | 71 | 71 | 65 | 78 |
| | 10500 | 77 | 76 | 77 | 78 | 78 | 77 | 77 | 69 | 83 |

*Default controller settings

RPMC-V SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 500 Pa

$$\Delta P_{st} = 500 \text{ Pa}$$

| Size [mm] | V [m³/h] | L _w [dB(Okt)] | | | | | | | | L _{WA} [dB(A)] | |
|--------------|-------------|--------------------------|-----|-----|-----|------|------|------|------|-------------------------|--|
| | | f _m [Hz] | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| 800x400 | 1400 | 68 | 67 | 63 | 63 | 63 | 64 | 64 | 61 | 71 | |
| | 5600 | 72 | 71 | 69 | 68 | 67 | 69 | 69 | 66 | 76 | |
| | 9800 | 72 | 74 | 72 | 71 | 70 | 72 | 72 | 69 | 79 | |
| | 14000 | 79 | 78 | 79 | 80 | 80 | 79 | 79 | 71 | 85 | |
| 800x500 | 1750 | 72 | 71 | 67 | 67 | 67 | 68 | 68 | 65 | 75 | |
| | 7000 | 75 | 74 | 72 | 71 | 70 | 72 | 72 | 69 | 79 | |
| | 12250 | 76 | 78 | 79 | 78 | 78 | 76 | 76 | 70 | 83 | |
| | 17500 | 83 | 82 | 83 | 84 | 84 | 83 | 83 | 75 | 89 | |
| 800x600 | 2100 | 72 | 71 | 67 | 67 | 67 | 68 | 68 | 65 | 75 | |
| | 8400 | 76 | 75 | 73 | 72 | 71 | 73 | 73 | 70 | 80 | |
| | 14700 | 77 | 79 | 80 | 79 | 79 | 77 | 77 | 71 | 84 | |
| | 21000 | 84 | 83 | 84 | 85 | 85 | 84 | 84 | 76 | 90 | |
| 800x800 | 2800 | 73 | 72 | 68 | 68 | 68 | 69 | 69 | 66 | 76 | |
| | 11200 | 77 | 76 | 74 | 73 | 72 | 74 | 74 | 71 | 81 | |
| | 19600 | 79 | 81 | 82 | 81 | 81 | 79 | 79 | 73 | 86 | |
| | 28000 | 87 | 86 | 87 | 88 | 88 | 87 | 87 | 79 | 93 | |
| 900x300 | 1200 | 70 | 69 | 65 | 65 | 65 | 66 | 66 | 63 | 73 | |
| | 4800 | 74 | 73 | 71 | 70 | 69 | 71 | 71 | 68 | 78 | |
| | 8400 | 74 | 76 | 77 | 76 | 76 | 74 | 74 | 68 | 81 | |
| | 12000 | 80 | 79 | 80 | 81 | 81 | 80 | 80 | 72 | 86 | |
| 900x400 | 1600 | 75 | 74 | 70 | 70 | 70 | 71 | 71 | 68 | 78 | |
| | 6400 | 75 | 74 | 72 | 71 | 70 | 72 | 72 | 69 | 79 | |
| | 11200 | 75 | 77 | 78 | 77 | 77 | 75 | 75 | 69 | 82 | |
| | 16000 | 82 | 81 | 82 | 83 | 83 | 82 | 82 | 74 | 88 | |
| 900x500 | 2000 | 72 | 71 | 67 | 67 | 67 | 68 | 68 | 65 | 75 | |
| | 8000 | 76 | 75 | 73 | 72 | 71 | 73 | 73 | 70 | 80 | |
| | 14000 | 76 | 78 | 79 | 78 | 78 | 76 | 76 | 70 | 83 | |
| | 20000 | 83 | 82 | 83 | 84 | 84 | 83 | 83 | 75 | 89 | |
| 1000x300 | 1300 | 70 | 69 | 65 | 65 | 65 | 66 | 66 | 63 | 73 | |
| | 5200 | 74 | 73 | 71 | 70 | 69 | 71 | 71 | 68 | 78 | |
| | 9100 | 73 | 75 | 76 | 75 | 75 | 73 | 73 | 67 | 80 | |
| | 13000 | 79 | 78 | 79 | 80 | 80 | 79 | 79 | 71 | 85 | |
| 1000x400 | 1750 | 71 | 70 | 66 | 66 | 66 | 67 | 67 | 64 | 74 | |
| | 7000 | 75 | 74 | 72 | 71 | 70 | 72 | 72 | 69 | 79 | |
| | 12250 | 75 | 77 | 78 | 77 | 77 | 75 | 75 | 69 | 82 | |
| | 17500 | 82 | 81 | 82 | 83 | 83 | 82 | 82 | 74 | 88 | |
| 1000x500 | 2200 | 72 | 71 | 67 | 67 | 67 | 68 | 68 | 65 | 75 | |
| | 8800 | 76 | 75 | 73 | 72 | 71 | 73 | 73 | 70 | 80 | |
| | 15400 | 77 | 79 | 80 | 79 | 79 | 77 | 77 | 71 | 84 | |
| | 22000 | 84 | 83 | 84 | 85 | 85 | 84 | 84 | 76 | 90 | |
| 1000x600 | 2600 | 73 | 72 | 68 | 68 | 68 | 69 | 69 | 66 | 76 | |
| | 10400 | 77 | 76 | 74 | 73 | 72 | 74 | 74 | 71 | 81 | |
| | 18200 | 77 | 79 | 80 | 79 | 79 | 77 | 77 | 71 | 84 | |
| | 26000 | 85 | 84 | 85 | 86 | 86 | 85 | 85 | 77 | 91 | |
| 1000x800 | 3500 | 74 | 73 | 69 | 69 | 69 | 70 | 70 | 67 | 77 | |
| | 14000 | 78 | 77 | 75 | 74 | 73 | 75 | 75 | 72 | 82 | |
| | 24500 | 80 | 82 | 83 | 82 | 82 | 80 | 80 | 74 | 87 | |
| | 35000 | 88 | 87 | 88 | 89 | 89 | 88 | 88 | 80 | 94 | |
| 1000x1000 | 4300 | 75 | 74 | 70 | 70 | 70 | 71 | 71 | 68 | 78 | |
| | 17200 | 79 | 78 | 76 | 75 | 74 | 76 | 76 | 73 | 83 | |
| | 30100 | 80 | 82 | 83 | 82 | 82 | 80 | 80 | 74 | 87 | |
| | 43000 | 89 | 88 | 89 | 90 | 90 | 89 | 89 | 81 | 95 | |



RPMC-V SERIES

TECHNICAL DATA



Radiated noise

The radiated noise of the air volume controller is given below

V [m^3h^{-1}] - air flow volume

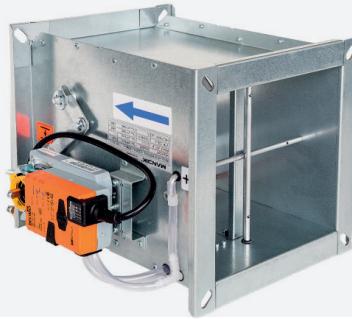
Δs_t [Pa] - pressure differential

L_{WA} [dB(A)] - total level of acoustic power corrected by filter A

| Size [mm] | V [m^3/h] | L_{WA} [dB(A)] | | L_{WA} [dB(A)] | |
|--------------|----------------------------------|-----------------------|------------------------|------------------------|------------------------|
| | | $\Delta P_{st}=50$ Pa | $\Delta P_{st}=100$ Pa | $\Delta P_{st}=250$ Pa | $\Delta P_{st}=500$ Pa |
| 200x100 | 90 | 35 | 39 | 43 | 48 |
| | 360 | 37 | 42 | 47 | 53 |
| | 630 | 42 | 47 | 52 | 58 |
| | 900 | 45 | 49 | 55 | 62 |
| 200x200 | 180 | 40 | 42 | 47 | 49 |
| | 720 | 40 | 44 | 49 | 54 |
| | 1260 | 44 | 48 | 52 | 57 |
| | 1800 | 48 | 52 | 55 | 61 |
| 300x100 | 130 | 37 | 40 | 46 | 50 |
| | 520 | 38 | 42 | 49 | 55 |
| | 910 | 43 | 47 | 54 | 59 |
| | 1300 | 48 | 52 | 58 | 63 |
| 300x200 | 260 | 38 | 41 | 47 | 52 |
| | 1040 | 39 | 44 | 51 | 57 |
| | 1820 | 44 | 49 | 56 | 61 |
| | 2600 | 49 | 53 | 60 | 64 |
| 300x300 | 390 | 39 | 42 | 49 | 54 |
| | 1560 | 40 | 45 | 52 | 58 |
| | 2730 | 45 | 50 | 57 | 63 |
| | 3900 | 52 | 56 | 63 | 68 |
| 400x100 | 180 | 39 | 42 | 47 | 50 |
| | 720 | 40 | 44 | 50 | 54 |
| | 1260 | 44 | 48 | 52 | 57 |
| | 1800 | 49 | 52 | 58 | 61 |
| 400x200 | 350 | 39 | 43 | 50 | 55 |
| | 1400 | 41 | 46 | 53 | 60 |
| | 2450 | 45 | 50 | 57 | 63 |
| | 3500 | 49 | 54 | 60 | 66 |
| 400x300 | 520 | 38 | 42 | 50 | 55 |
| | 2080 | 40 | 45 | 53 | 59 |
| | 3640 | 46 | 51 | 58 | 64 |
| | 5200 | 52 | 56 | 63 | 68 |
| 400x400 | 700 | 39 | 43 | 51 | 56 |
| | 2800 | 42 | 47 | 54 | 61 |
| | 4900 | 47 | 52 | 59 | 65 |
| | 7000 | 53 | 57 | 63 | 69 |
| 500x100 | 220 | 39 | 42 | 48 | 52 |
| | 880 | 39 | 44 | 51 | 57 |
| | 1540 | 44 | 49 | 55 | 61 |
| | 2200 | 48 | 52 | 58 | 63 |
| 500x200 | 440 | 40 | 43 | 50 | 55 |
| | 1760 | 41 | 46 | 53 | 59 |
| | 3080 | 46 | 51 | 57 | 64 |
| | 4400 | 50 | 55 | 60 | 66 |
| 500x300 | 650 | 41 | 44 | 52 | 57 |
| | 2600 | 43 | 47 | 55 | 61 |
| | 4550 | 47 | 52 | 59 | 65 |
| | 6500 | 52 | 56 | 62 | 69 |

RPMC-V SERIES

TECHNICAL DATA

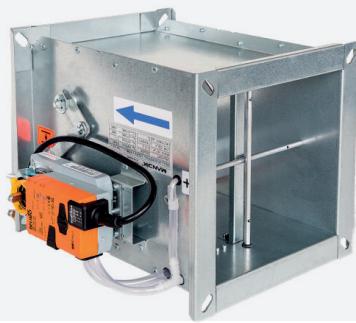


| Size [mm] | V [m³/h] | L _{WA} [dB(A)] | | | |
|----------------|-------------|--------------------------|---------------------------|---------------------------|---------------------------|
| | | ΔP _{st} = 50 Pa | ΔP _{st} = 100 Pa | ΔP _{st} = 250 Pa | ΔP _{st} = 500 Pa |
| 500x400 | 870 | 40 | 44 | 52 | 57 |
| | 3480 | 43 | 48 | 55 | 61 |
| | 6090 | 47 | 52 | 60 | 66 |
| | 8700 | 53 | 58 | 63 | 70 |
| 500x500 | 1100 | 42 | 46 | 54 | 58 |
| | 4400 | 46 | 51 | 57 | 64 |
| | 7700 | 51 | 56 | 62 | 70 |
| | 11000 | 57 | 62 | 67 | 76 |
| 600x100 | 260 | 38 | 41 | 47 | 51 |
| | 1040 | 39 | 44 | 51 | 55 |
| | 1820 | 44 | 49 | 56 | 58 |
| | 2600 | 48 | 53 | 59 | 61 |
| 600x200 | 520 | 39 | 42 | 50 | 55 |
| | 2080 | 40 | 45 | 53 | 60 |
| | 3640 | 46 | 51 | 58 | 64 |
| | 5200 | 52 | 56 | 62 | 69 |
| 600x300 | 780 | 39 | 43 | 51 | 57 |
| | 3120 | 41 | 46 | 54 | 60 |
| | 5460 | 46 | 51 | 59 | 65 |
| | 7800 | 52 | 57 | 63 | 70 |
| 600x400 | 1050 | 40 | 44 | 52 | 59 |
| | 4200 | 44 | 48 | 56 | 63 |
| | 7350 | 49 | 54 | 61 | 68 |
| | 10500 | 54 | 59 | 64 | 72 |
| 600x500 | 1300 | 41 | 45 | 53 | 59 |
| | 5200 | 45 | 50 | 58 | 65 |
| | 9100 | 53 | 58 | 63 | 71 |
| | 13000 | 62 | 67 | 68 | 78 |
| 600x600 | 160 | 42 | 46 | 53 | 59 |
| | 5440 | 47 | 52 | 58 | 65 |
| | 10720 | 53 | 58 | 64 | 72 |
| | 16000 | 62 | 68 | 68 | 79 |
| 700x200 | 600 | 37 | 42 | 47 | 56 |
| | 2400 | 41 | 46 | 53 | 60 |
| | 4200 | 46 | 51 | 58 | 65 |
| | 6000 | 52 | 56 | 62 | 68 |
| 700x300 | 900 | 40 | 44 | 51 | 57 |
| | 3600 | 42 | 47 | 55 | 61 |
| | 6300 | 47 | 52 | 60 | 66 |
| | 9000 | 52 | 57 | 63 | 70 |
| 700x400 | 1200 | 41 | 45 | 53 | 59 |
| | 4800 | 44 | 49 | 56 | 64 |
| | 8400 | 49 | 54 | 61 | 68 |
| | 12000 | 54 | 59 | 65 | 73 |
| 700x500 | 1500 | 42 | 46 | 53 | 60 |
| | 6000 | 47 | 52 | 59 | 66 |
| | 10500 | 53 | 58 | 64 | 72 |
| | 15000 | 63 | 68 | 71 | 79 |
| 800x200 | 700 | 39 | 43 | 51 | 57 |
| | 2800 | 42 | 47 | 54 | 61 |
| | 4900 | 47 | 52 | 59 | 66 |
| | 7000 | 52 | 57 | 62 | 70 |



RPMC-V SERIES

TECHNICAL DATA



| Size [mm] | V [m³/h] | L _{WA} [dB(A)] | L _{WA} [dB(A)] | L _{WA} [dB(A)] | L _{WA} [dB(A)] |
|------------------|-------------|--------------------------|---------------------------|---------------------------|---------------------------|
| | | ΔP _{st} = 50 Pa | ΔP _{st} = 100 Pa | ΔP _{st} = 250 Pa | ΔP _{st} = 500 Pa |
| 800x300 | 1050 | 40 | 44 | 52 | 59 |
| | 4200 | 44 | 48 | 56 | 63 |
| | 7350 | 49 | 54 | 61 | 68 |
| | 10500 | 54 | 59 | 64 | 73 |
| 800x400 | 1400 | 39 | 44 | 53 | 60 |
| | 5600 | 44 | 49 | 57 | 64 |
| | 9800 | 49 | 54 | 62 | 69 |
| | 14000 | 53 | 60 | 63 | 74 |
| 800x500 | 1750 | 42 | 46 | 55 | 61 |
| | 7000 | 48 | 53 | 59 | 67 |
| | 12250 | 53 | 59 | 64 | 73 |
| | 17500 | 62 | 69 | 70 | 82 |
| 800x600 | 2100 | 43 | 47 | 56 | 62 |
| | 8400 | 49 | 54 | 60 | 68 |
| | 14700 | 54 | 60 | 65 | 75 |
| | 21000 | 64 | 70 | 72 | 84 |
| 800x800 | 2800 | 43 | 48 | 55 | 62 |
| | 11200 | 50 | 55 | 62 | 71 |
| | 19600 | 56 | 62 | 67 | 77 |
| | 28000 | 68 | 74 | 75 | 88 |
| 900x300 | 1200 | 43 | 47 | 53 | 59 |
| | 4800 | 47 | 52 | 58 | 65 |
| | 8400 | 53 | 58 | 63 | 71 |
| | 12000 | 62 | 66 | 71 | 78 |
| 900x400 | 1600 | 49 | 47 | 53 | 60 |
| | 6400 | 48 | 53 | 59 | 67 |
| | 11200 | 54 | 59 | 64 | 73 |
| | 16000 | 63 | 68 | 72 | 81 |
| 900x500 | 2000 | 43 | 48 | 54 | 62 |
| | 8000 | 49 | 54 | 60 | 69 |
| | 14000 | 54 | 60 | 65 | 74 |
| | 20000 | 65 | 70 | 74 | 83 |
| 1000x300 | 1300 | 43 | 47 | 53 | 59 |
| | 5200 | 47 | 52 | 58 | 65 |
| | 9100 | 52 | 57 | 63 | 70 |
| | 13000 | 63 | 67 | 70 | 77 |
| 1000x400 | 1750 | 42 | 47 | 53 | 60 |
| | 7000 | 48 | 53 | 59 | 67 |
| | 12250 | 55 | 60 | 65 | 73 |
| | 17500 | 65 | 70 | 73 | 80 |
| 1000x500 | 2200 | 42 | 47 | 54 | 61 |
| | 8800 | 49 | 54 | 61 | 68 |
| | 15400 | 55 | 60 | 66 | 74 |
| | 22000 | 66 | 71 | 76 | 84 |
| 1000x600 | 2600 | 43 | 48 | 54 | 62 |
| | 10400 | 50 | 55 | 61 | 69 |
| | 18200 | 55 | 61 | 66 | 75 |
| | 26000 | 67 | 72 | 76 | 86 |
| 1000x800 | 3500 | 44 | 49 | 56 | 63 |
| | 14000 | 51 | 56 | 63 | 72 |
| | 24500 | 57 | 63 | 68 | 78 |
| | 35000 | 69 | 75 | 78 | 89 |
| 1000x1000 | 4300 | 44 | 49 | 57 | 65 |
| | 17200 | 52 | 57 | 64 | 73 |
| | 30100 | 57 | 63 | 69 | 79 |
| | 43000 | 68 | 74 | 78 | 91 |

SIMBOLOGY

TECHNICAL ICONS



SUPPLY



RETURN



SWIRL



MULTIDIRECTIONAL



LONG RANGE



ACCESSORIES



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ROUND



LINEAR



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ADJUSTABLE



CEILING



FALSE CEILING



WALL



FLOOR



TRANSIT



DUCT



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FIRE



DAMP



SMOKE



ACCESORIES



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