THOMPSON
Electric Industries INC

CATALOG

# *SIDE CHANNEL BLOWER*

## *High-Pressure Blower Catalog*

www.thompsonelectricindustries.com

# CONTENTS

## Product Introduction

Thompson Electric Industries specializes in the plastics industry, food industry, chemical and pharmaceutical sectors, as well as environmental applications. We offer a wide range of products, including side channel blowers, high-speed turbo blowers, and industrial air products with high-efficiency motors, utilizing NSK and SKF bearings.

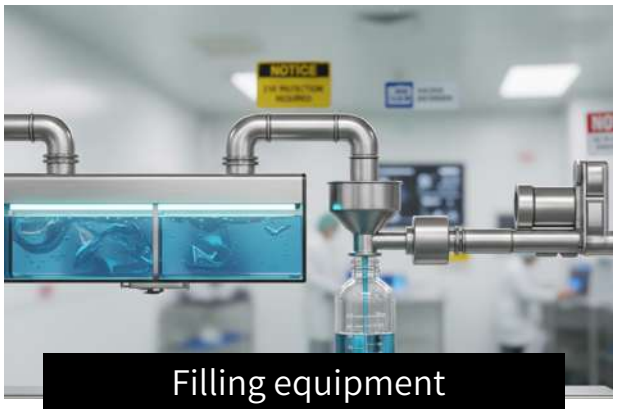
Our catalog includes die casting machines, CNC machining equipment, automatic wire winding machines, electric testing machines, rotor balancing machines, impeller balancing and machining equipment, among others. We have a professional R&D team, skilled technicians, and a dedicated management team. Quality First, Customer First.

Currently, Thompson Electric Industries' products are distributed in over 50 countries worldwide. We have also established a stable and reliable sales network domestically. Our products are lightweight, compact, and delivered quickly. We are committed to learning from you, supporting you, and growing together.

## Applications

Sewage Disposal

Spa Faclilties



Filling equipment


Dental equipment


Paper machine


Vacuum Adsorption


Waste collection

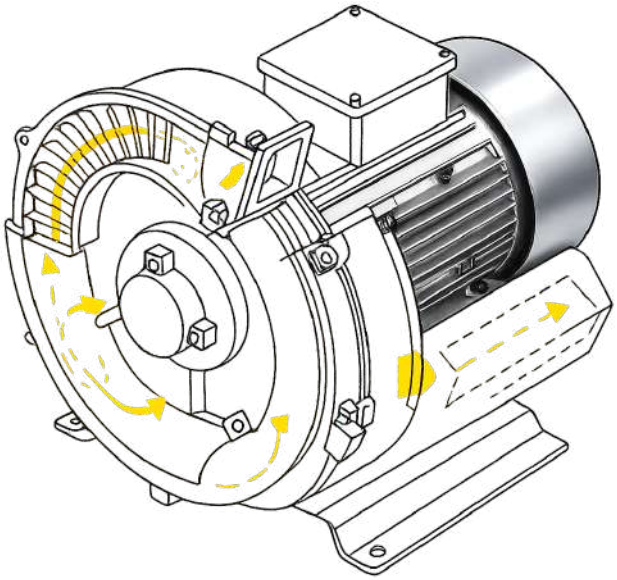

Tunnel ventilation

- Vacuum lifting
- Waste water and plating aeration
- Food processing machine (Roasting, biscuit baking, juice production, sausage peeling, etc.)
- Dental suction and medical machine
- Agriculture machine (Grain transportation, vegetable washing, milking machine)
- Soil remediation (Ventilation)
- Aquaculture aeration
- Foam molding
- Pneumatic tube system
- Printing machine (Paper cutter, screen printing, mobile printing)
- Packing machine (Food packaging, bottle capping, labeling, bag opening)
- Textile machine (Automatic sewing, automatic weaving, fiber suction processing)
- Carton machine (Paper drying, high-speed paper handling, stable carton pressing)
- Cooling for molding (Used for cooling in molding processes)
- PCB cleaning and suction

## Work principle

The impellers in the air blower are mounted directly on the motor shaft for non-contact compression, entirely without friction. Maximum operational reliability, even at high differential pressures, is ensured by the arrangement of the bearings outside the compression chamber.

The gas is taken in through the inlet 1, channel 2. As it enters the side, the rotating impeller 3 imparts velocity to the gas in the direction of rotation. Centrifugal force in the impeller blades accelerates the gas outward, and the pressure increases. Every rotation adds kinetic energy, resulting in a further increase in pressure along the side channel. The side channel narrows at the rotor, sweeping the gas off the impeller blades and discharging it through the outlet silencer 4, where it exits the side channel blower.

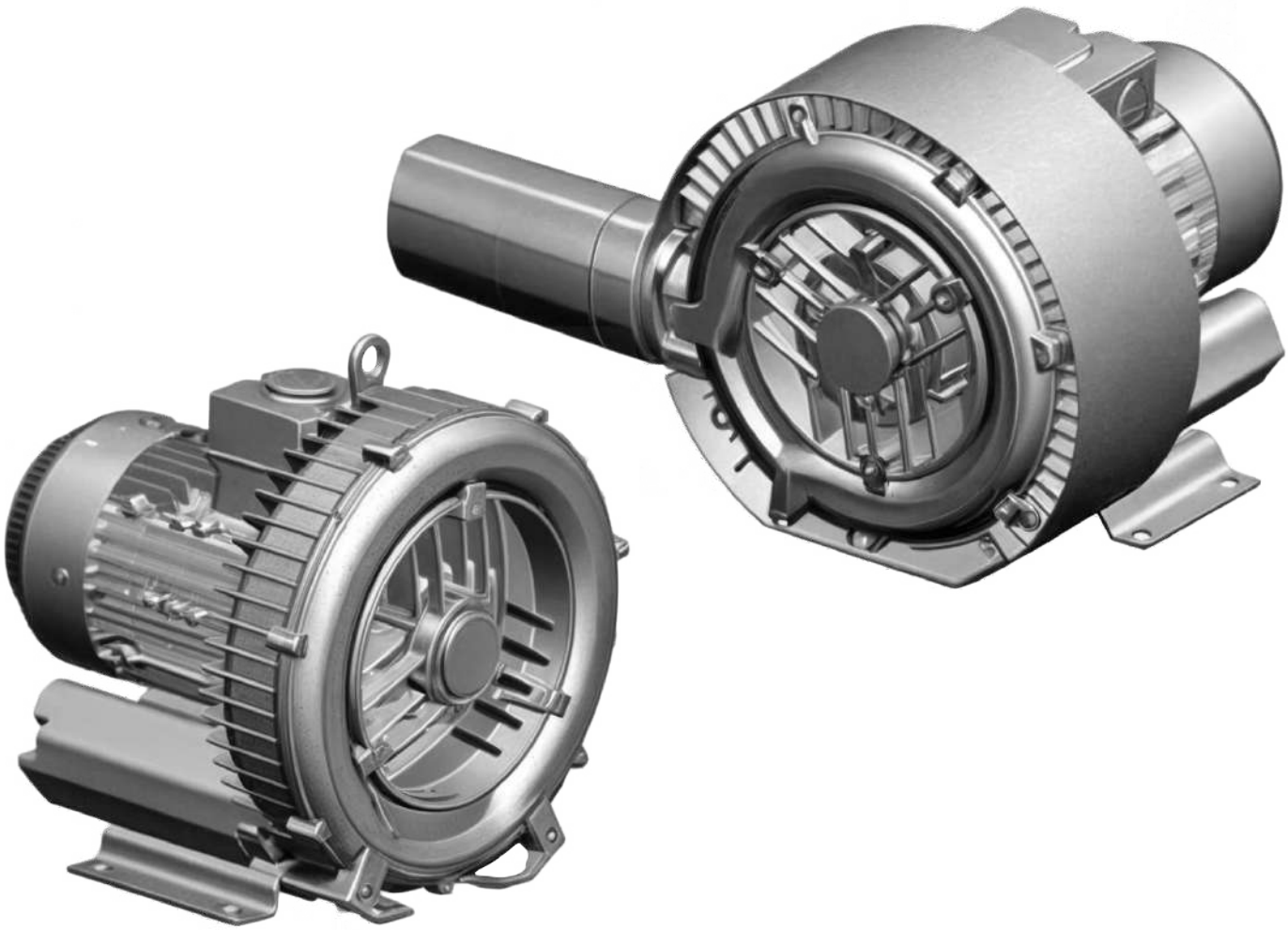


Note: 1. This catalog is for reference only. If there are any discrepancies, please verify with actual specifications.
2. Specifications are subject to change by the manufacturer without prior notice.

## Six reasons for choosing Thompson Electric Industries Ring Blower


1. Focus on the air blower industry for 10 years, with precision and quality as a priority.
2. Perfect after-sales service team available 24 hours.
3. Large stock of finished products to meet your immediate needs.
4. Long and reliable 12-month warranty.
5. Products certified for energy efficiency above IE2 and IE3.
6. Chassis with precision-cast aluminum alloy can be customized, explosion-proof, anti-corrosion, and other special models.

## 2MV Single and Double Stage



## Work principle

With high air flow as 2,500 $m^3/h$, and ΔP as 780 mbar, our MV series won high reputation and convinced each user.

In the field of mechanical engineering, high stability, free maintenance, long life make it become the first choice.

The performance would be increased to a great extent if equipped with frequency inverter.
MV ring vacuum pumps pass CCC/CE certificate all the same, suits to each place all over the world.

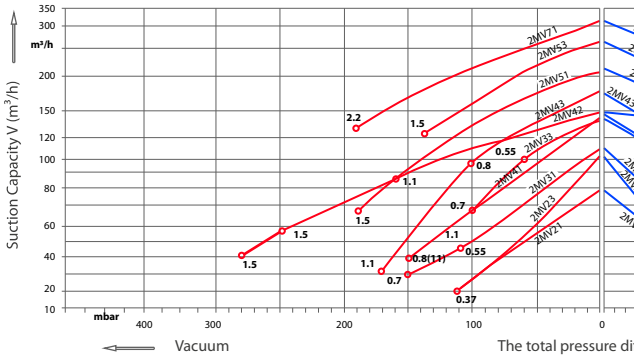
## Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | Hz | KW | V | A | Kg | db(A) | m³/h | mbar | mbar | |
| 2MV 210 A11 | 50 | 0.37 | 220 | 2.7 | 11 | 53 | 80 | -110 | 110 | RV-01/MF-10 |
| | 60 | 0.45 | 220 | 3.0 | | 56 | 96 | -130 | 140 | RV-01/MF-10 |
| 2MV 230 A11 | 50 | 0.37 | 220 | 2.7 | 11 | 54 | 100 | -110 | 110 | RV-01/MF-10 |
| | 60 | 0.45 | 220 | 3.0 | | 57 | 120 | -130 | 140 | RV-01/MF-10 |
| 2MV 310 A01 | 50 | 0.55 | 220 | 3.7 | 13 | 55 | 100 | -120 | 120 | RV-01/MF-10 |
| | 60 | 0.62 | 220 | 4.5 | | 57 | 120 | -130 | 150 | RV-01/MF-10 |
| 2MV 310 A11 | 50 | 0.7 | 220 | 4.8 | 14 | 55 | 100 | -150 | 150 | RV-01/MF-10 |
| | 60 | 0.8 | 220 | 4.1 | | 57 | 120 | -150 | 160 | RV-01/MF-10 |
| 2MV 320 A31 | 50 | 1.1 | 220 | 7.3 | 17 | 58 | 120 | -240 | 280 | RV-01/MF-10 |
| | 60 | 1.3 | 220 | 8.3 | | 60 | 145 | -230 | 250 | RV-01/MF-10 |
| 2MV 410 A11 | 50 | 0.8 | 220 | 5.2 | 15 | 63 | 145 | -150 | 160 | RV-01/MF-12 |
| | 60 | 0.9 | 220 | 5.8 | | 64 | 175 | -160 | 140 | RV-01/MF-12 |
| 2MV 410 A21 | 50 | 1.1 | 220 | 7.3 | 16 | 63 | 145 | -150 | 190 | RV-01/MF-12 |
| | 60 | 1.3 | 220 | 8.3 | | 64 | 175 | -180 | 190 | RV-01/MF-12 |
| 2MV 420 A11 | 50 | 1.5 | 220 | 9 | 26 | 66 | 150 | -280 | 290 | RV-01/MF-12 |
| | 60 | 1.75 | 220 | 10 | | 69 | 180 | -250 | 280 | RV-01/MF-12 |
| 2MV 430 A11 | 50 | 0.8 | 220 | 5.2 | 16 | 64 | 180 | -100 | 110 | RV-01/MF-12 |
| | 60 | 0.9 | 220 | 5.8 | | 66 | 210 | -100 | 110 | RV-01/MF-12 |
| 2MV 430 A21 | 50 | 1.1 | 220 | 7.3 | 17 | 64 | 180 | -170 | 210 | RV-01/MF-12 |
| | 60 | 1.3 | 220 | 8.3 | | 66 | 210 | -145 | 145 | RV-01/MF-12 |
| 2MV 510 A11 | 50 | 1.1 | 220 | 7.3 | 21 | 64 | 210 | -160 | 160 | RV-01/MF-16 |
| | 60 | 1.3 | 220 | 8.3 | | 70 | 255 | -150 | 160 | RV-01/MF-16 |
| 2MV 510 A21 | 50 | 1.5 | 220 | 9 | 24 | 64 | 210 | -190 | 200 | RV-01/MF-16 |
| | 60 | 1.75 | 220 | 10 | | 70 | 255 | -180 | 180 | RV-01/MF-16 |
| 2MV 530 A21 | 50 | 1.5 | 220 | 9 | 26 | 65 | 270 | -140 | 120 | RV-01/MF-16 |
| | 60 | 1.75 | 220 | 10 | | 71 | 330 | -110 | 100 | RV-01/MF-16 |
| 2MV 610 A11 | 50 | 2.2 | 220 | 10 | 30 | 64 | 270 | -230 | 250 | RV-01/MF-16 |
| | 60 | 2.55 | 220 | 11 | | 70 | 315 | -250 | 270 | RV-01/MF-16 |
| 2MV 710 A11 | 50 | 2.2 | 220 | 12.8 | 30 | 72 | 318 | -190 | 190 | RV-01/MF-16 |
| | 60 | 2.55 | 220 | 12.8 | | 74 | 376 | -190 | 200 | RV-01/MF-16 |

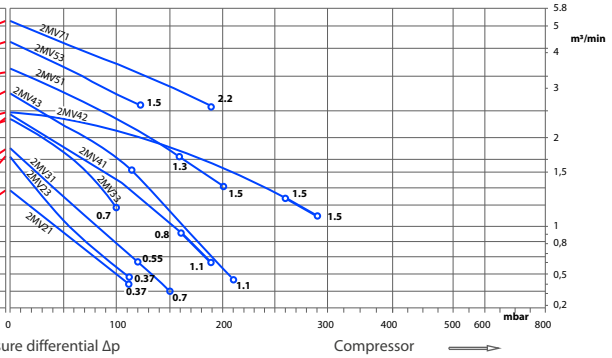
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and a tolerance of ±10%. If the intake air and ambient temperature do not exceed 25 °C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

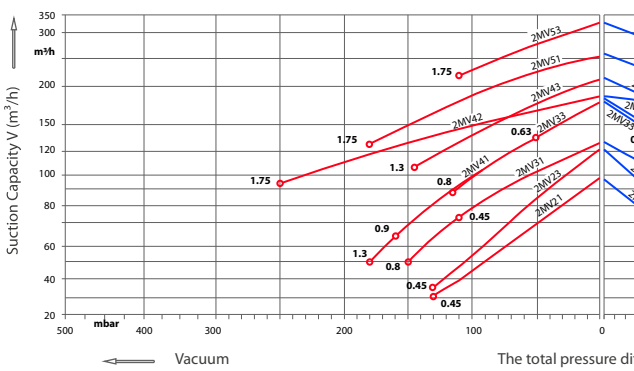



Compressor Selection Diagram 50Hz

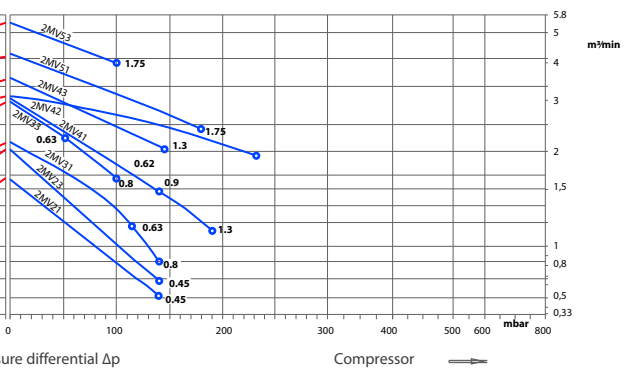



The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

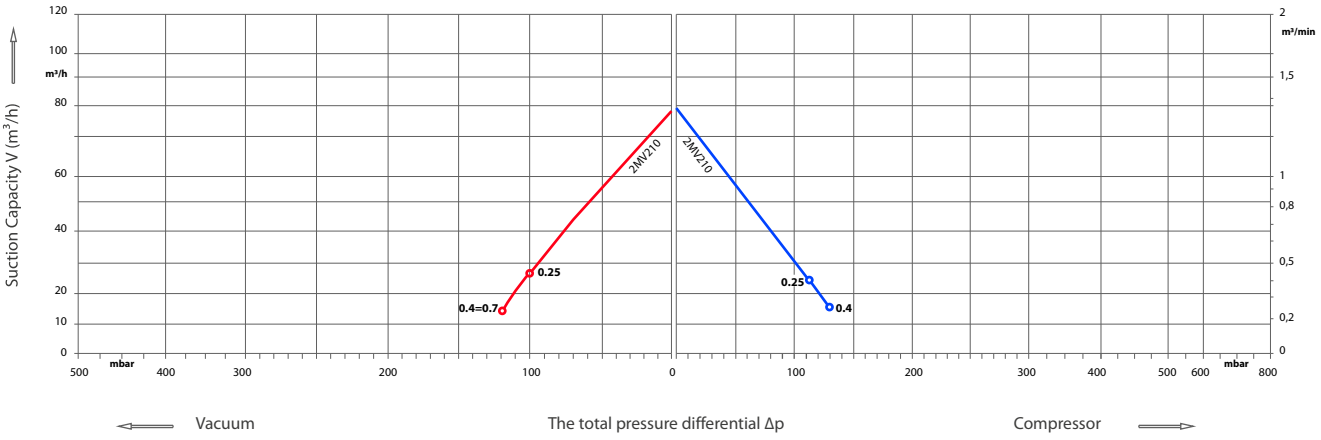
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³/h** | **mbar** | **mbar** | |
| 2MV 210 H16 | 50 | 0.4 | 200-240Δ / 345-415Y | 2.6Δ / 1.5Y | 10 | 53 | 80 | -120 | 130 | RV-01/MF-10 |
| | 60 | 0.5 | 220-275Δ / 380-480Y | 2.6Δ / 1.5Y | | 56 | 98 | -150 | 160 | RV-01/MF-10 |

## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were obtained under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. As long as the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz




Vacuum

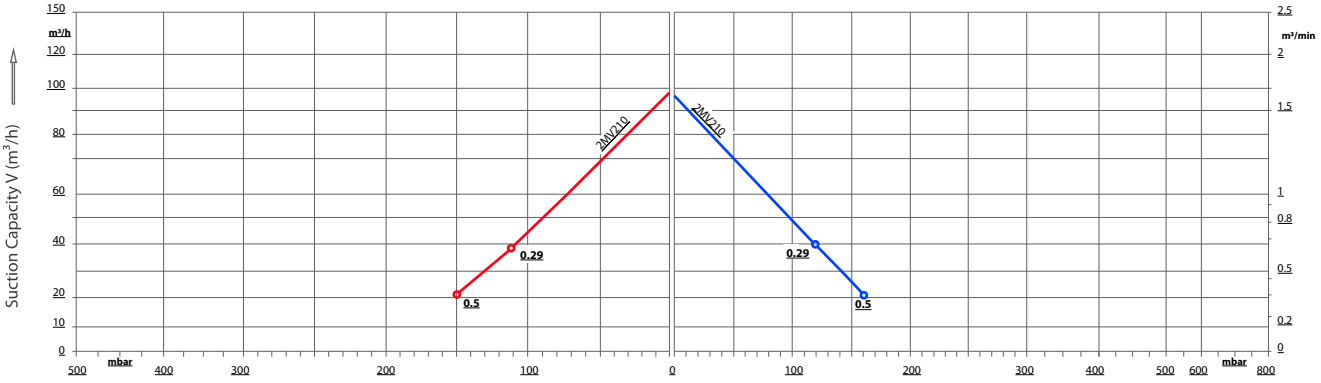
Compressor Selection Diagram 50Hz




Compressor

The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Vacuum

Compressor Selection Diagram 60Hz




Compressor

The total pressure differential Δp

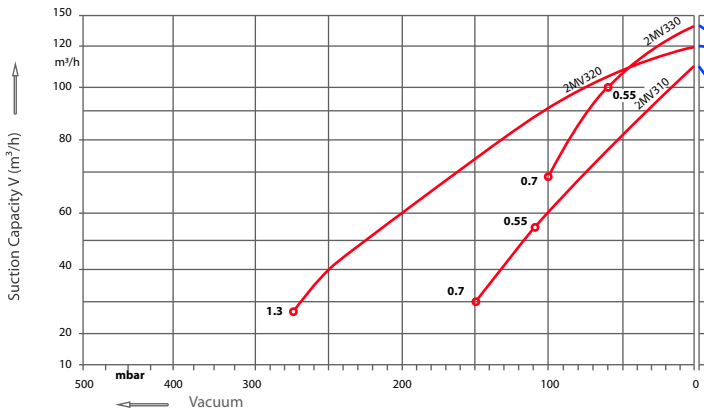
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³/h** | **mbar** | **mbar** | |
| 2MV 310 H06 | 50 | 0.55 | 200-240Δ / 345-415Y | 2.8Δ / 1.6Y | 11 | 55 | 100 | -110 | 120 | RV-01/MF-10 |
| | 60 | 0.63 | 220-275Δ / 380-480Y | 3.0Δ / 1.7Y | | 57 | 120 | -110 | 120 | RV-01/MF-10 |
| 2MV 310 H16 | 50 | 0.75 | 200-240Δ / 345-415Y | 3.8Δ / 2.2Y | 12 | 55 | 100 | -150 | 150 | RV-01/MF-10 |
| | 60 | 0.83 | 220-275Δ / 380-480Y | 3.8Δ / 2.2Y | | 57 | 120 | -150 | 140 | RV-01/MF-10 |
| 2MV 320 H26 | 50 | 0.85 | 200-240Δ / 345-415Y | 4.2Δ / 2.4Y | 17 | 58 | 110 | -200 | 230 | RV-01/MF-10 |
| | 60 | 0.95 | 220-275Δ / 380-480Y | 4.0Δ / 2.3Y | | 60 | 130 | -240 | 240 | RV-01/MF-10 |
| 2MV 320 H36 | 50 | 1.3 | 200-240Δ / 345-415Y | 5.7Δ / 3.3Y | 18 | 58 | 110 | -280 | 290 | RV-01/MF-10 |
| | 60 | 1.5 | 220-275Δ / 380-480Y | 6.0Δ / 3.5Y | | 60 | 130 | -300 | 400 | RV-01/MF-10 |
| 2MV 330 H16 | 50 | 0.55 | 200-240Δ / 345-415Y | 2.8Δ / 1.6Y | 12 | 56 | 140 | -60 | 60 | RV-01/MF-10 |
| | 60 | 0.63 | 220-275Δ / 380-480Y | 3.0Δ / 1.7Y | | 58 | 165 | -50 | 50 | RV-01/MF-10 |
| 2MV 330 H26 | 50 | 0.75 | 200-240Δ / 345-415Y | 3.8Δ / 2.2Y | 13 | 56 | 140 | -100 | 100 | RV-01/MF-10 |
| | 60 | 0.83 | 220-275Δ / 380-480Y | 3.8Δ / 2.2Y | | 58 | 165 | -115 | 100 | RV-01/MF-10 |

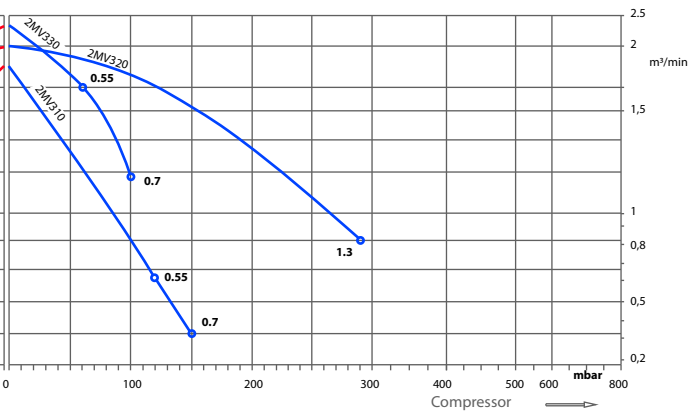
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

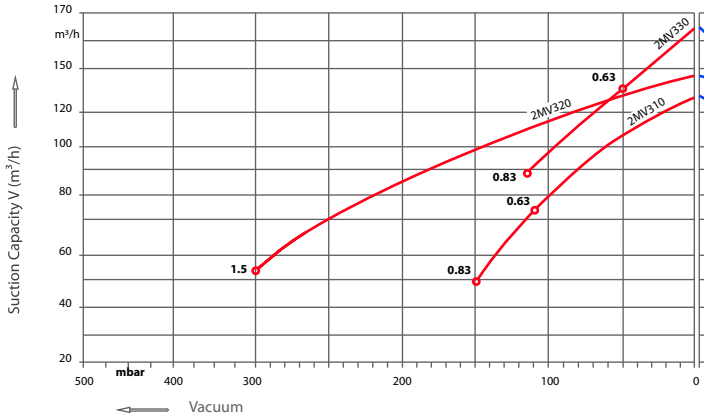



Compressor Selection Diagram 50Hz

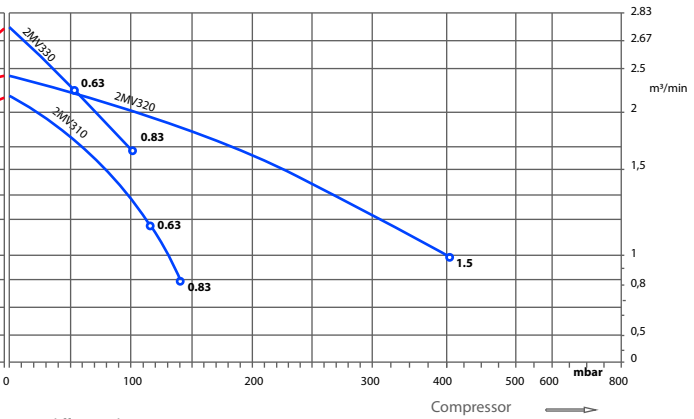



The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

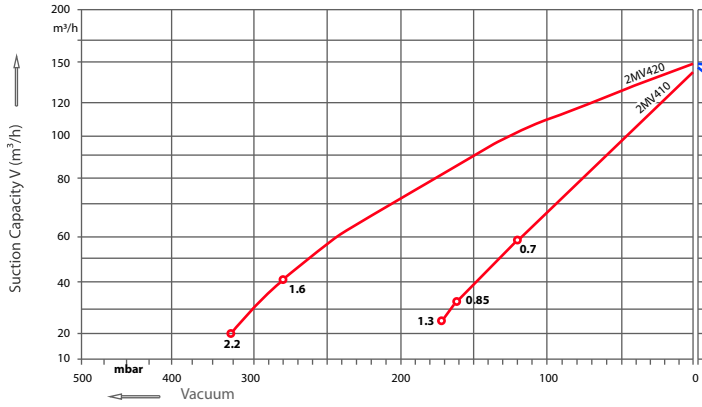
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | Frequency | MOTOR Rated Output | MOTOR Rated Voltage | MOTOR Rated Current | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³/h** | **mbar** | **mbar** | |
| 2MV 410 H06 | 50 | 0.7 | 200-240Δ/345-415Y | 3.8Δ/2.2Y | 13 | 63 | 145 | -120 | 120 | RV-01/MF-12 |
| | 60 | 0.83 | 220-275Δ/380-480Y | 3.75Δ/2.15Y | | 64 | 175 | -130 | 130 | RV-01/MF-12 |
| 2MV 410 H16 | 50 | 0.85 | 200-240Δ/345-415Y | 4.0Δ/2.3Y | 16 | 63 | 145 | -160 | 160 | RV-01/MF-12 |
| | 60 | 0.95 | 220-275Δ/380-480Y | 3.85Δ/2.25Y | | 64 | 175 | -160 | 160 | RV-01/MF-12 |
| 2MV 410 H26 | 50 | 1.3 | 200-240Δ/345-415Y | 5.7Δ/3.3Y | 17 | 63 | 145 | -170 | 200 | RV-01/MF-12 |
| | 60 | 1.5 | 220-275Δ/380-480Y | 6.0Δ/3.5Y | | 64 | 175 | -210 | 220 | RV-01/MF-12 |
| 2MV 420 H36 | 50 | 1.6 | 200-240Δ/345-415Y | 7.5Δ/4.3Y | 25 | 66 | 150 | -280 | 280 | RV-01/MF-12 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 7.6Δ/4.4Y | | 69 | 180 | -320 | 310 | RV-01/MF-12 |
| 2MV 420 H46 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 27 | 66 | 150 | -330 | 440 | RV-02/MF-12 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.0Δ/5.8Y | | 69 | 180 | -350 | 420 | RV-02/MF-12 |

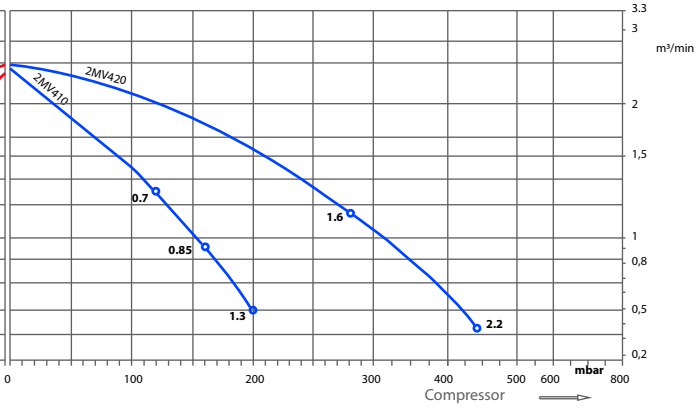
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

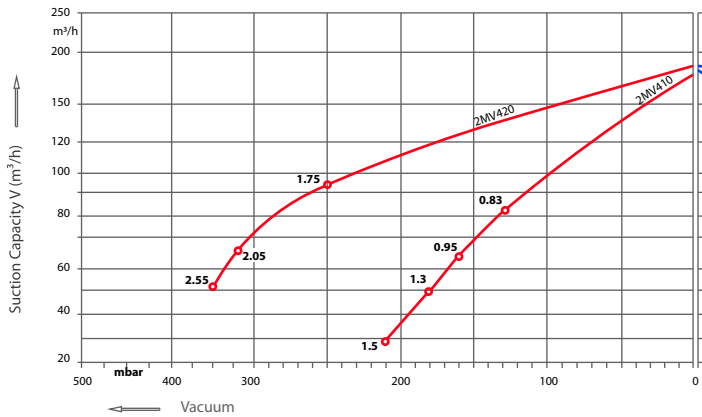



Compressor Selection Diagram 50Hz

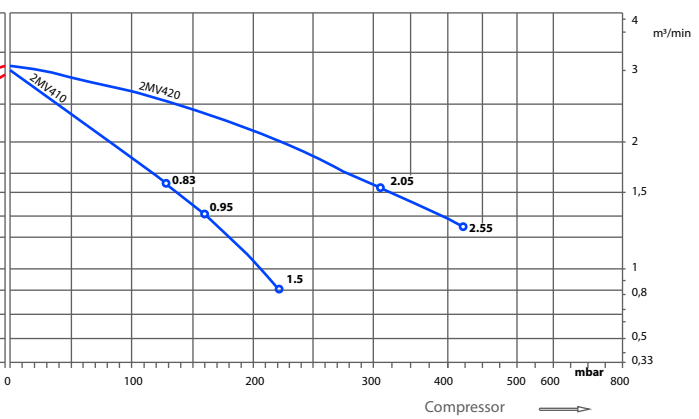



The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

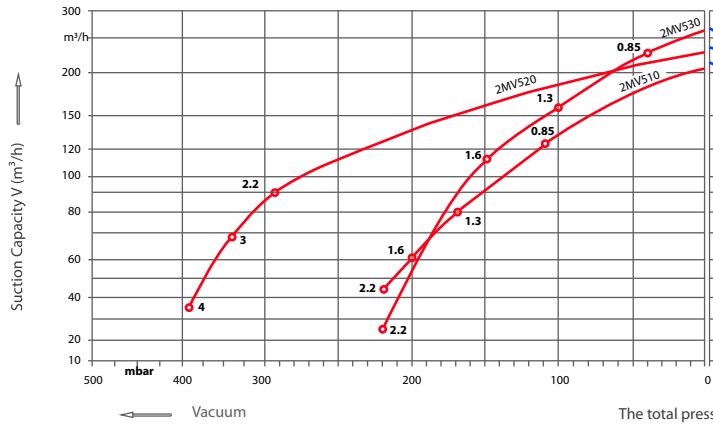
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³/h** | **mbar** | **mbar** | |
| 2MV 510 H06 | 50 | 0.85 | 200-240Δ/345-415Y | 4.0Δ/2.3Y | 20 | 64 | 210 | -110 | 100 | RV-01/MF-16 |
| | 60 | 0.95 | 220-275Δ/380-480Y | 4.2Δ/2.3Y | | 70 | 255 | -80 | 70 | RV-01/MF-16 |
| 2MV 510 H16 | 50 | 1.3 | 200-240Δ/345-415Y | 6.6Δ/3.8Y | 22 | 64 | 210 | -170 | 170 | RV-01/MF-16 |
| | 60 | 1.5 | 220-275Δ/380-480Y | 6.9Δ/4.0Y | | 70 | 255 | -150 | 140 | RV-01/MF-16 |
| 2MV 510 H26 | 50 | 1.6 | 200-240Δ/345-415Y | 7.5Δ/4.3Y | 23 | 64 | 210 | -200 | 190 | RV-01/MF-16 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 7.6Δ/4.4Y | | 70 | 255 | -220 | 210 | RV-01/MF-16 |
| 2MV 510 H36 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 25 | 64 | 210 | -220 | 270 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 70 | 255 | -260 | 290 | RV-01/MF-16 |
| 2MV 520 H46 | 50 | 3.0 | 200-240Δ/345-415Y | 12.5Δ/7.2Y | 40 | 72 | 230 | -340 | 410 | RV-02/MF-16 |
| | 60 | 3.45 | 220-275Δ/380-480Y | 12.6Δ/7.3Y | | 74 | 275 | -380 | 360 | RV-02/MF-16 |
| 2MV 520 H57 | 50 | 4.0 | 345-415Δ/600-720Y | 10.0Δ/5.8Y | 44 | 72 | 230 | -390 | 490 | RV-02/MF-16 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.9Δ/5.7Y | | 74 | 275 | -410 | 480 | RV-02/MF-16 |
| 2MV 530 H06 | 50 | 0.85 | 200-240Δ/345-415Y | 4.0Δ/2.3Y | 21 | 65 | 270 | -40 | 40 | RV-01/MF-16 |
| | 60 | 0.95 | 220-275Δ/380-480Y | 4.2Δ/2.4Y | | 71 | 330 | -40 | 40 | RV-01/MF-16 |
| 2MV 530 H16 | 50 | 1.3 | 200-240Δ/345-415Y | 6.6Δ/3.8Y | 23 | 65 | 270 | -100 | 100 | RV-01/MF-16 |
| | 60 | 1.5 | 220-275Δ/380-480Y | 6.9Δ/4.0Y | | 71 | 330 | -70 | 50 | RV-01/MF-16 |
| 2MV 530 H26 | 50 | 1.6 | 200-240Δ/345-415Y | 7.5Δ/4.3Y | 24 | 65 | 270 | -150 | 150 | RV-01/MF-16 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 7.6Δ/4.4Y | | 71 | 330 | -150 | 130 | RV-01/MF-16 |
| 2MV 530 H36 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 26 | 65 | 270 | -220 | 230 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 71 | 330 | -230 | 210 | RV-01/MF-16 |

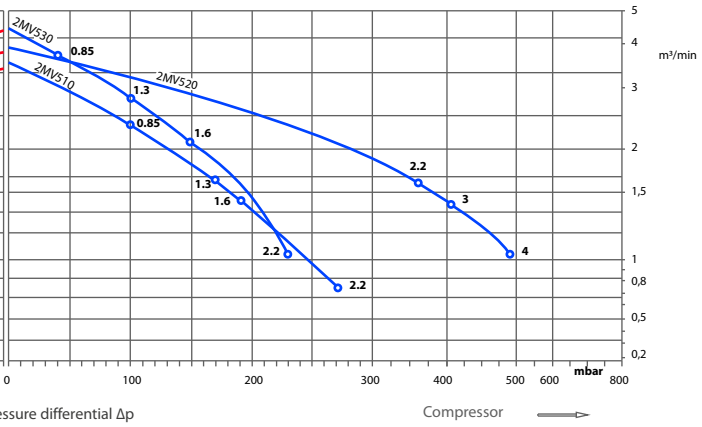
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

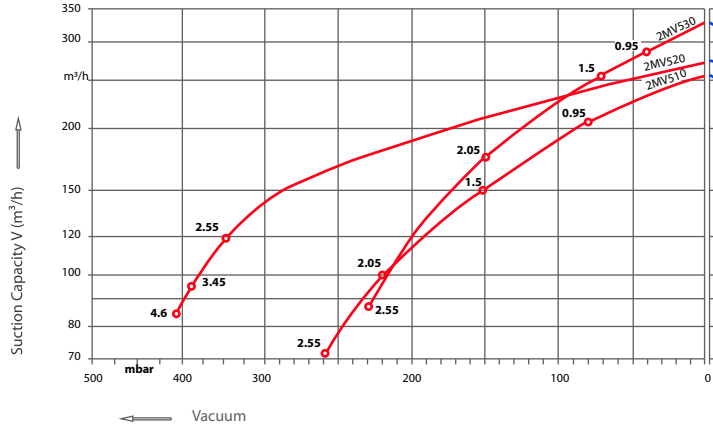
Vacuum Selection Diagram 50Hz



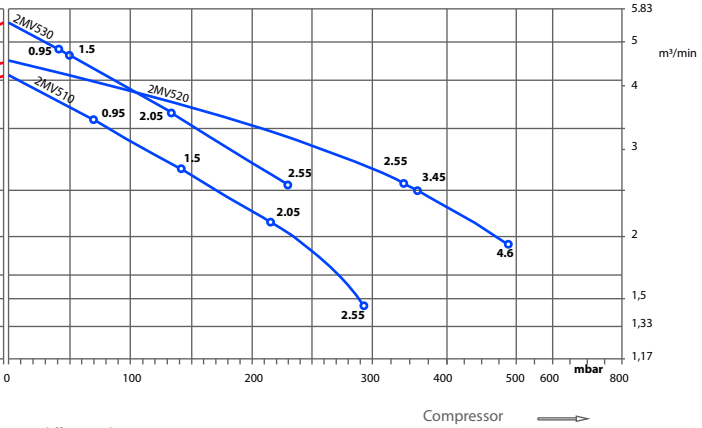

Compressor Selection Diagram 50Hz




Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz



Selection and ordering data for side channel blowers in vacuum and pressure operation.

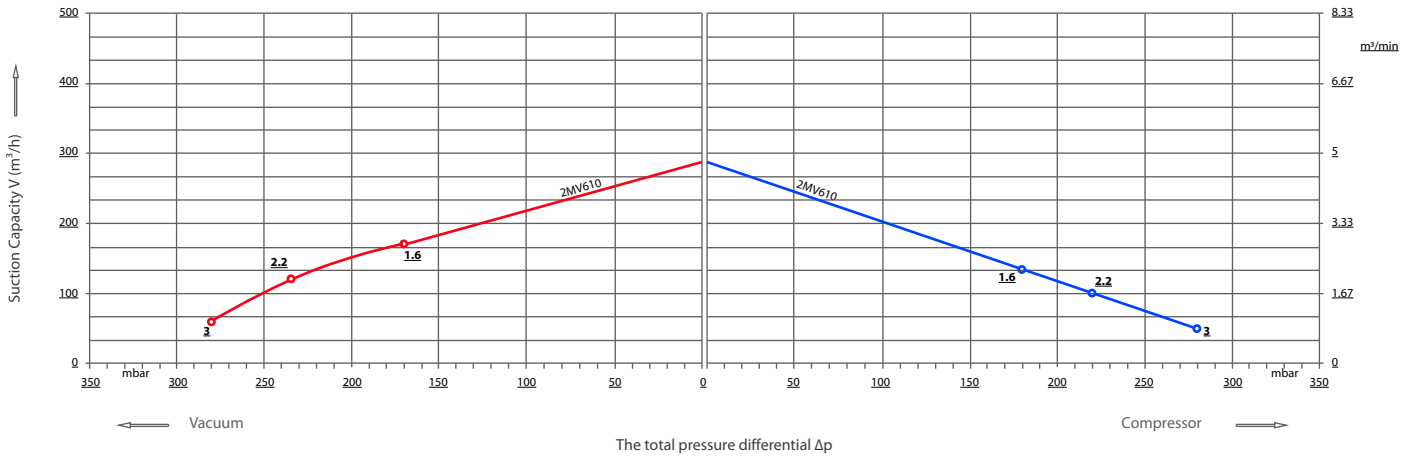
| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³(h)** | **mbar** | **mbar** | |
| 2MV 610 H06 | 50 | 1.6 | 200-240Δ/345-415Y | 8.5Δ/4.9Y | 25 | 68 | 265 | -170 | 180 | RV-01/MF-16 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 8.8Δ/5.1Y | | 70 | 315 | -180 | 190 | RV-01/MF-16 |
| 2MV 610 H16 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 28 | 69 | 265 | -235 | 220 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 72 | 315 | -245 | 230 | RV-01/MF-16 |
| 2MV 610 H26 | 50 | 3.0 | 200-240Δ/345-415Y | 12.5Δ/7.2Y | 34 | 69 | 265 | -280 | 280 | RV-01/MF-16 |
| | 60 | 3.45 | 220-275Δ/380-480Y | 12.6Δ/7.3Y | | 72 | 315 | -260 | 270 | RV-01/MF-16 |

## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

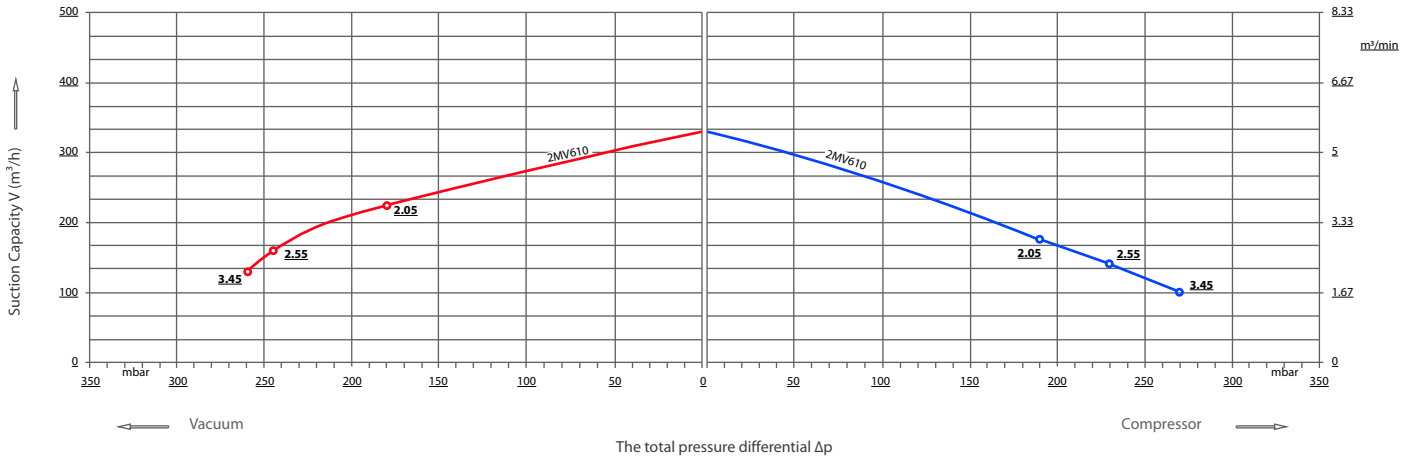
Vacuum Selection Diagram 50Hz

Compressor Selection Diagram 50Hz




Vacuum Selection Diagram 60Hz

Compressor Selection Diagram 60Hz

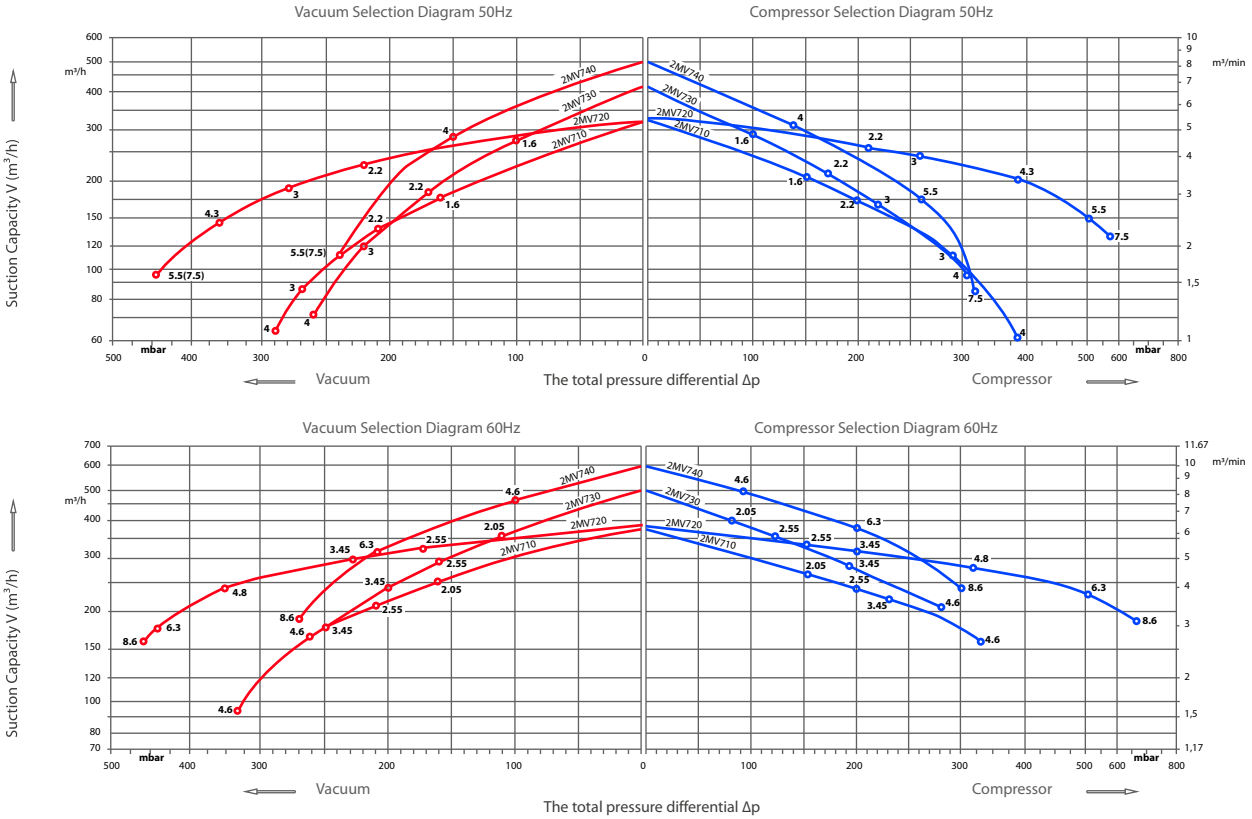


Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | Hz | KW | V | A | Kg | db(A) | m³(h) | mbar | mbar | |
| 2MV 710 H06 | 50 | 1.6 | 200 240Δ/345 415Y | 8.5Δ/4.9Y | 27 | 69 | 318 | -160 | 150 | RV 01/MF 16 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 8.8Δ/5.1Y | | 72 | 376 | -160 | 150 | RV-01/MF-16 |
| 2MV 710 H16 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 30 | 69 | 318 | -210 | 200 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 72 | 376 | -210 | 200 | RV-01/MF-16 |
| 2MV 710 H26 | 50 | 3.0 | 200-240Δ/345-415Y | 12.5Δ/7.2Y | 36 | 69 | 318 | -270 | 290 | RV-01/MF-16 |
| | 60 | 3.45 | 220-275Δ/380-480Y | 12.6Δ/7.3Y | | 72 | 376 | -250 | 230 | RV-01/MF-16 |
| 2MV 710 H37 | 50 | 4.0 | 345-415Δ/600-720Y | 9.0Δ/5.2Y | 40 | 69 | 318 | -290 | 330 | RV-01/MF-16 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.0Δ/5.2Y | | 72 | 376 | -230 | 330 | RV-01/MF-16 |
| 2MV 720 H16 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 43 | 73 | 320 | -220 | 210 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 76 | 380 | -170 | 150 | RV-01/MF-16 |
| 2MV 720 H26 | 50 | 3.0 | 200-240Δ/345-415Y | 12.5Δ/7.2Y | 48 | 73 | 320 | -280 | 260 | RV-01/MF-16 |
| | 60 | 3.45 | 220-275Δ/380-480Y | 12.6Δ/7.3Y | | 76 | 380 | -230 | 200 | RV-01/MF-16 |
| 2MV 720 H37 | 50 | 4.3 | 345-415Δ/600-720Y | 10.0Δ/5.2Y | 54 | 73 | 320 | -360 | 380 | RV-02/MF-16 |
| | 60 | 4.8 | 380-480Δ/660-720Y | 10.4Δ/6.0Y | | 76 | 380 | -350 | 320 | RV-02/MF-16 |
| 2MV 720 H47 | 50 | 5.5 | 345-415Δ/600-720Y | 13.3Δ/7.7Y | 66 | 73 | 320 | -440 | 500 | RV-02/MF-16 |
| | 60 | 6.3 | 380-480Δ/660-720Y | 13.3Δ/7.7Y | | 76 | 380 | -440 | 500 | RV-02/MF-16 |
| 2MV 720 H57 | 50 | 7.5 | 345-415Δ/600-720Y | 16.7Δ/9.6Y | 73 | 73 | 320 | -440 | 570 | RV-02/MF-16 |
| | 60 | 8.6 | 380-480Δ/660-720Y | 17.3Δ/10.0Y | | 76 | 380 | -460 | 660 | RV-02/MF-16 |
| 2MV 730 H06 | 50 | 1.6 | 200-240Δ/345-415Y | 8.5Δ/4.9Y | 29 | 70 | 420 | -100 | 100 | RV-01/MF-16 |
| | 60 | 2.05 | 220-275Δ/380-480Y | 8.8Δ/5.1Y | | 73 | 500 | -110 | 80 | RV-01/MF-16 |
| 2MV 730 H16 | 50 | 2.2 | 200-240Δ/345-415Y | 9.7Δ/5.6Y | 32 | 70 | 420 | -170 | 170 | RV-01/MF-16 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 10.3Δ/6.0Y | | 73 | 500 | -160 | 120 | RV-01/MF-16 |
| 2MV 730 H26 | 50 | 3.0 | 200-240Δ/345-415Y | 12.5Δ/7.2Y | 37 | 70 | 420 | -220 | 220 | RV-01/MF-16 |
| | 60 | 3.45 | 220-275Δ/380-480Y | 12.6Δ/7.3Y | | 73 | 500 | -200 | 190 | RV-01/MF-16 |
| 2MV 730 H37 | 50 | 4.0 | 345-415Δ/600-720Y | 9.0Δ/5.2Y | 43 | 70 | 420 | -260 | 310 | RV-01/MF-16 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.0Δ/5.2Y | | 73 | 500 | -260 | 280 | RV-01/MF-16 |
| 2MV 740 H37 | 50 | 4.0 | 345-415Δ/600-720Y | 9.0Δ/5.2Y | 54 | 74 | 500 | -150 | 140 | RV-01/MF-16 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.0Δ/5.2Y | | 78 | 600 | -100 | 90 | RV-01/MF-16 |
| 2MV 740 H47 | 50 | 5.5 | 345-415Δ/600-720Y | 13.3Δ/7.7Y | 69 | 74 | 500 | -240 | 260 | RV-01/MF-16 |
| | 60 | 6.3 | 380-480Δ/660-720Y | 13.3Δ/7.7Y | | 78 | 600 | -210 | 200 | RV-01/MF-16 |
| 2MV 740 H57 | 50 | 7.5 | 345-415Δ/600-720Y | 16.7Δ/9.6Y | 75 | 74 | 500 | -240 | 320 | RV-01/MF-16 |
| | 60 | 8.6 | 380-480Δ/660-720Y | 17.3Δ/10.0Y | | 78 | 600 | -270 | 300 | RV-01/MF-16 |

## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.



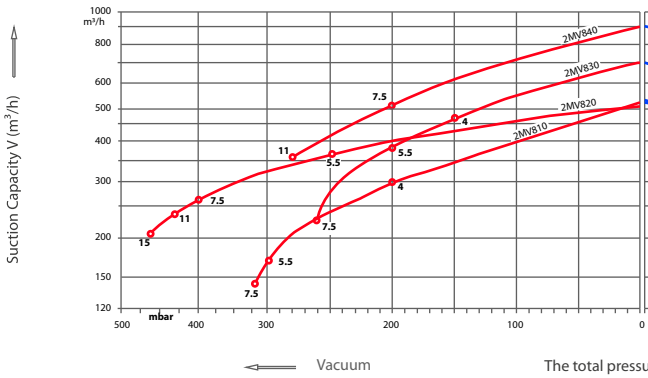
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | Hz | KW | V | A | Kg | db(A) | m³(h) | mbar | mbar | |
| 2MV 810 H07 | 50 | 4.0 | 345-415Δ/600-720Y | 9.5Δ/5.5Y | 54 | 70 | 530 | -200 | 200 | RV-01/MF-20 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.5Δ/5.5Y | | 74 | 620 | -160 | 160 | RV-01/MF-20 |
| 2MV 810 H17 | 50 | 5.5 | 345-415Δ/600-720Y | 12.9Δ/7.4Y | 63 | 70 | 530 | -300 | 300 | RV-01/MF-20 |
| | 60 | 6.3 | 380-480Δ/660-720Y | 12.9Δ/7.45Y | | 74 | 620 | -300 | 280 | RV-01/MF-20 |
| 2MV 810 H27 | 50 | 7.5 | 345-415Δ/600-720Y | 16.7Δ/9.6Y | 66 | 70 | 530 | -320 | 430 | RV-01/MF-20 |
| | 60 | 8.6 | 380-485Δ/660-720Y | 17.3Δ/10.0Y | | 74 | 620 | -350 | 400 | RV-01/MF-20 |
| 2MV 820 H17 | 50 | 5.5 | 345-415Δ/600-720Y | 13.3Δ/7.7Y | 83 | 74 | 520 | -240 | 240 | RV-01/MF-20 |
| | 60 | 6.3 | 380-480Δ/660-720Y | 13.3Δ/7.7Y | | 78 | 620 | -170 | 160 | RV-01/MF-20 |
| 2MV 820 H27 | 50 | 7.5 | 345-415Δ/600-720Y | 16.7Δ/9.6Y | 86 | 74 | 520 | -400 | 400 | RV-02/MF-20 |
| | 60 | 8.6 | 380-480Δ/660-720Y | 17.3Δ/10.0Y | | 78 | 620 | -360 | 330 | RV-02/MF-20 |
| 2MV 820 H37 | 50 | 11.0 | 345-415Δ/600-720Y | 28.0Δ/16.2Y | 104 | 74 | 520 | -430 | 600 | RV-02/MF-20 |
| | 60 | 12.6 | 380-480Δ/660-720Y | 29.0Δ/16.7Y | | 78 | 620 | -460 | 600 | RV-02/MF-20 |
| 2MV 820 H47 | 50 | 15.0 | 345-415Δ/600-720Y | 32.5Δ/18.8Y | 120 | 74 | 520 | -460 | 670 | RV-02/MF-20 |
| | 60 | 17.3 | 380-480Δ/660-720Y | 34.5Δ/19.9Y | | 78 | 620 | -490 | 750 | RV-02/MF-20 |
| 2MV 830 H07 | 50 | 4.0 | 345-415Δ/600-720Y | 9.5Δ/5.5Y | 57 | 70 | 700 | -150 | 140 | RV-01/MF-20 |
| | 60 | 4.6 | 380-480Δ/660-720Y | 9.5Δ/5.5Y | | 74 | 840 | -90 | 90 | RV-01/MF-20 |
| 2MV 830 H17 | 50 | 5.5 | 345-415Δ/600-720Y | 12.9Δ/7.4Y | 66 | 70 | 700 | -200 | 180 | RV-01/MF-20 |
| | 60 | 6.3 | 380-480Δ/660-720Y | 12.9Δ/7.45Y | | 74 | 840 | -180 | 180 | RV-01/MF-20 |
| 2MV 830 H27 | 50 | 7.6 | 345-415Δ/600-720Y | 16.7Δ/9.6Y | 69 | 70 | 700 | -270 | 260 | RV-01/MF-20 |
| | 60 | 8.6 | 380-480Δ/660-720Y | 17.3Δ/10.0Y | | 74 | 840 | -270 | 260 | RV-01/MF-20 |
| 2MV 840 H27 | 50 | 7.5 | 345-415Δ/660-720Y | 16.7Δ/9.6Y | 91 | 74 | 900 | -200 | 180 | RV-01/MF-20 |
| | 60 | 8.6 | 380-480Δ/660-720Y | 17.3Δ/10.0Y | | 78 | 1050 | -150 | 120 | RV-01/MF-20 |
| 2MV 840 H37 | 50 | 11.0 | 345-415Δ/600-720Y | 28.0Δ/16.2Y | 110 | 74 | 900 | -280 | 370 | RV-01/MF-20 |
| | 60 | 12.6 | 380-480Δ/660-720Y | 29.0Δ/16.7Y | | 78 | 1050 | -310 | 350 | RV-01/MF-20 |

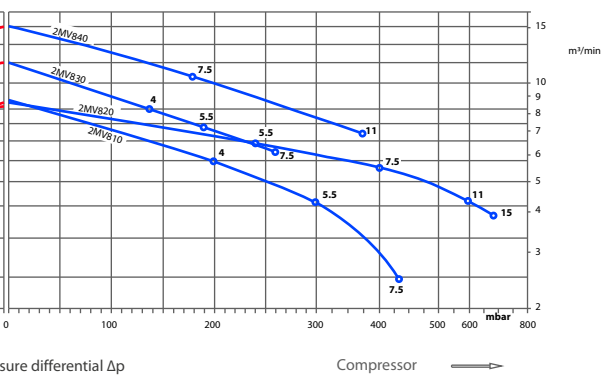
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

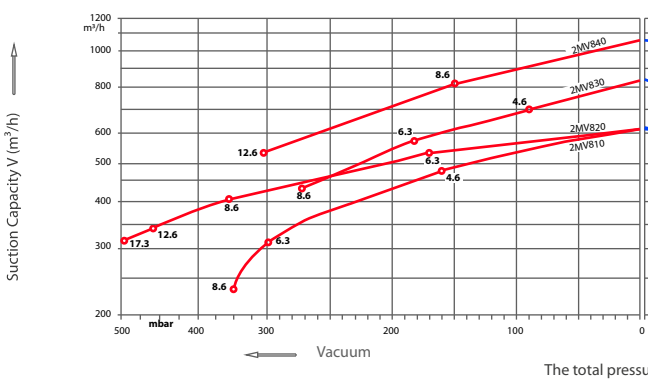



Compressor Selection Diagram 50Hz

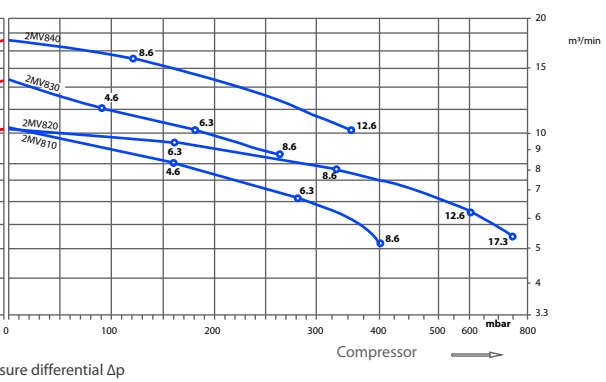



The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

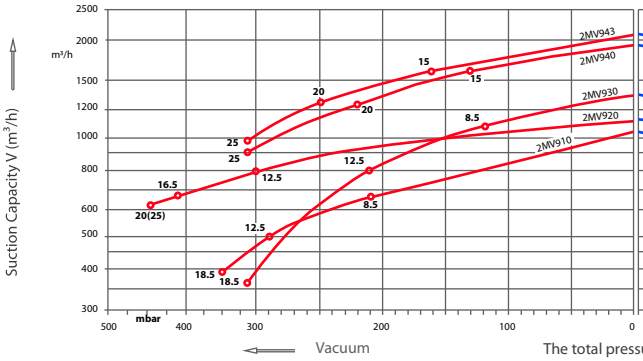
Selection and ordering data for side channel blowers in vacuum and pressure operation.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | Hz | KW | V | A | Kg | db(A) | m³/h | mbar | mbar | |
| 2MV 910 H07 | 50 | 8.5 | 345-415Δ/600-720Y | 18.2Δ/10.5Y | 93 | 74 | 1050 | -210 | 210 | RV-01/MF-32 |
| | 60 | 9.8 | 380-480Δ/660-720Y | 18.2Δ/10.5Y | | 79 | 1250 | -180 | 180 | RV-01/MF-32 |
| 2MV 910 H17 | 50 | 12.5 | 345-415Δ/600-720Y | 28.0Δ/16.2Y | 116 | 74 | 1050 | -280 | 270 | RV-01/MF-32 |
| | 60 | 14.5 | 380-480Δ/660-720Y | 29.0Δ/16.7Y | | 79 | 1250 | -270 | 260 | RV-01/MF-32 |
| 2MV 910 H37 | 50 | 18.5 | 345-415Δ/600-720Y | 37.0Δ/21.0Y | 126 | 74 | 1050 | -340 | 460 | RV-02/MF-32 |
| | 60 | 21.3 | 380-485Δ/660-720Y | 39.0Δ/22.5Y | | 79 | 1250 | -380 | 420 | RV-02/MF-32 |
| 2MV 920 H17 | 50 | 12.5 | 345-415Δ/600-720Y | 28.0Δ/16.2Y | 187 | 74 | 1110 | -300 | 370 | RV-01/MF-32 |
| | 60 | 14.5 | 380-480Δ/660-720Y | 29.0Δ/16.7Y | | 78 | 1310 | -220 | 200 | RV-01/MF-32 |
| 2MV 920 H27 | 50 | 16.5 | 345-415Δ/600-720Y | 35.0Δ/20.0Y | 197 | 74 | 1110 | -410 | 370 | RV-02/MF-32 |
| | 60 | 19.0 | 380-480Δ/660-720Y | 36.5Δ/21.0Y | | 78 | 1310 | -340 | 300 | RV-02/MF-32 |
| 2MV 920 H37 | 50 | 20.0 | 345-415Δ/600-720Y | 40.0Δ/23.0Y | 204 | 74 | 1110 | -440 | 500 | RV-02/MF-32 |
| | 60 | 23.0 | 380-480Δ/660-720Y | 42.0Δ/24.2Y | | 78 | 1310 | -440 | 430 | RV-02/MF-32 |
| 2MV 920 H47 | 50 | 25.0 | 345-415Δ/600-720Y | 52.0Δ/30.0Y | 211 | 74 | 1110 | -440 | 590 | RV-02/MF-32 |
| | 60 | 29.0 | 380-480Δ/660-720Y | 52.0Δ/30.0Y | | 78 | 1310 | -440 | 540 | RV-02/MF-32 |
| 2MV 930 H07 | 50 | 8.5 | 345-415Δ/600-720Y | 18.2Δ/10.5Y | 98 | 75 | 1370 | -120 | 110 | RV-01/MF-32 |
| | 60 | 9.8 | 380-480Δ/660-720Y | 18.2Δ/10.5Y | | 80 | 1650 | -80 | 70 | RV-01/MF-32 |
| 2MV 930 H17 | 50 | 12.5 | 345-415Δ/600-720Y | 28.0Δ/16.2Y | 121 | 75 | 1370 | -210 | 190 | RV-01/MF-32 |
| | 60 | 14.5 | 380-480Δ/660-720Y | 29.0Δ/16.7Y | | 80 | 1650 | -170 | 160 | RV-01/MF-32 |
| 2MV 930 H37 | 50 | 18.5 | 345-415Δ/600-720Y | 37.0Δ/21.0Y | 131 | 75 | 1370 | -310 | 320 | RV-01/MF-32 |
| | 60 | 21.3 | 380-480Δ/660-720Y | 39.0Δ/22.5Y | | 80 | 1650 | -300 | 280 | RV-01/MF-32 |
| 2MV 940 H27 | 50 | 15.0 | 345-415Δ/600-720Y | 35.0Δ/20.0Y | 187 | 75 | 1940 | -130 | 110 | RV-01/MF-32 |
| | 60 | 17.5 | 380-480Δ/660-720Y | 36.5Δ/21.0Y | | 84 | 2310 | -60 | 40 | RV-01/MF-32 |
| 2MV 940 H37 | 50 | 20.0 | 345-415Δ/600-720Y | 40.0Δ/23.0Y | 212 | 75 | 1940 | -220 | 200 | RV-01/MF-32 |
| | 60 | 23.0 | 380-480Δ/660-720Y | 42.0Δ/24.2Y | | 84 | 2310 | -160 | 130 | RV-01/MF-32 |
| 2MV 940 H47 | 50 | 25.0 | 345-415Δ/600-720Y | 52.0Δ/30.0Y | 219 | 75 | 1940 | -310 | 270 | RV-01/MF-32 |
| | 60 | 29.0 | 380-480Δ/660-720Y | 52.0Δ/30.0Y | | 84 | 2310 | -270 | 220 | RV-01/MF-32 |
| 2MV 943 H27 | 50 | 15.0 | 345-415Δ/600-720Y | 35.0Δ/20.0Y | 220 | 75 | 2050 | -160 | 170 | RV-01/MF-32 |
| | 60 | 17.5 | 380-480Δ/660-720Y | 36.5Δ/21.0Y | | 84 | 2480 | -110 | 120 | RV-01/MF-32 |
| 2MV 943 H37 | 50 | 20.0 | 345-415Δ/600-720Y | 40.0Δ/23.0Y | 230 | 75 | 2050 | -250 | 230 | RV-01/MF-32 |
| | 60 | 23.0 | 380-480Δ/660-720Y | 42.0Δ/24.2Y | | 84 | 2450 | -190 | 180 | RV-01/MF-32 |
| 2MV 943 H47 | 50 | 25.0 | 345-415Δ/600-720Y | 52.0Δ/30.0Y | 235 | 75 | 2330 | -310 | 270 | RV-01/MF-32 |
| | 60 | 29.0 | 380-480Δ/660-720Y | 52.0Δ/30.0Y | | 84 | 2330 | -270 | 230 | RV-01/MF-32 |

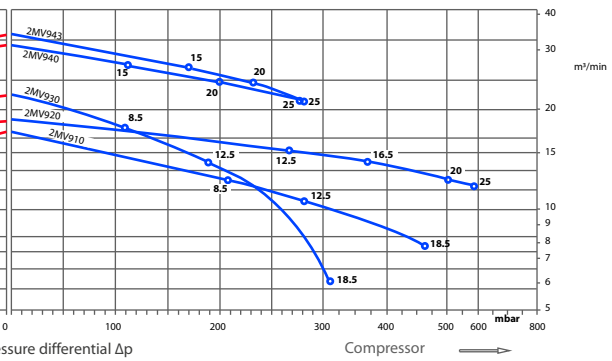
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

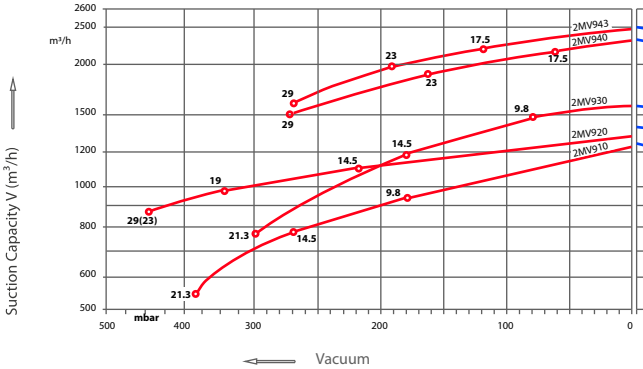



Compressor Selection Diagram 50Hz

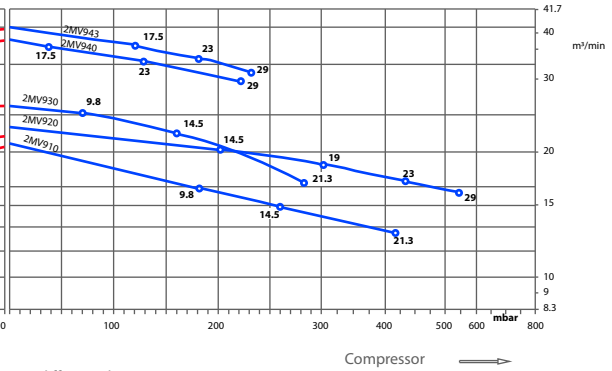



The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

# 4MV Single and Double Stage

Our revolutionary 4MV regenerative blowers can generate a differential pressure of over 1000 mbar — far exceeding that of traditional blowers from other brands.
Until now, machines capable of achieving this level of pressure typically required a larger structure, produced more noise, and were more prone to wear.
The 4MV series, by contrast, is compact, quiet, efficient, and easy to maintain.
Today, with the advantages of low noise, low wear, and high reliability, our 4MV blowers are suitable for even the most demanding working environments.
They can operate continuously for over 20,000 hours without any maintenance.
Their high safety and durability are proven under rigorous conditions.
While their low noise levels leave a lasting impression, our engineers continue to work hard to make them even quieter — making them an increasingly attractive solution.

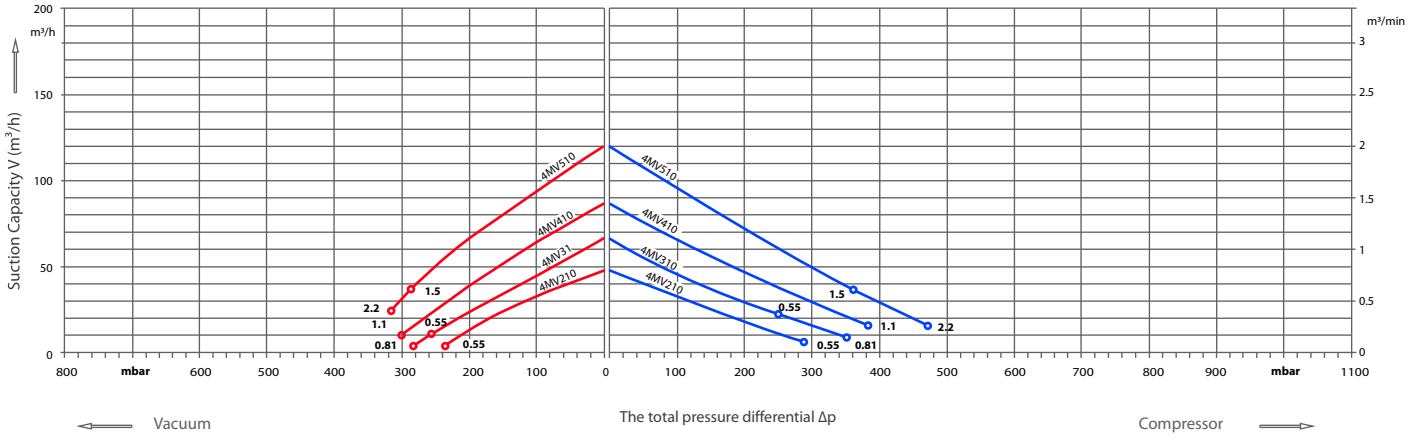
Selection and ordering parameters for blowers operating under vacuum and pressure.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³(h)** | **mbar** | **mbar** | |
| 4MV 210 A75 | 50 | 0.55 | 200-240Δ/345-415 | 2.8Δ/1.6Y | 16 | 57 | 47 | -230 | 290 | RV-01/MF-10 |
| | 60 | 0.63 | 220-275Δ/380-480 | 3Δ/1.7Y | | 62 | 57 | -270 | 320 | RV-01/MF-10 |
| 4MV 310 A75 | 50 | 0.81 | 200-240Δ/345-415 | 4Δ/2.3Y | 17 | 57 | 66 | -280 | 350 | RV-02/MF-10 |
| | 60 | 0.94 | 220-275Δ/380-480 | 4Δ/2.3Y | | 62 | 80 | -340 | 360 | RV-02/MF-10 |
| 4MV 410 H16 | 50 | 1.1 | 200-240Δ/345-415 | 5.4Δ/3.1Y | 23 | 58 | 87 | -300 | 380 | RV-01/MF-10 |
| | 60 | 1.3 | 220-275Δ/380-480 | 5.4Δ/3.1Y | | 62 | 105 | -340 | 370 | RV-01/MF-10 |
| 4MV 510 H26 | 50 | 2.2 | 345-415Δ/600-720 | 11.4Δ/6.6Y | 29 | 64 | 120 | -310 | 470 | RV-02/MF-10 |
| | 60 | 2.55 | 380-480Δ/660-720 | 11.2Δ/6.5Y | | 68 | 145 | -360 | 480 | RV-02/MF-10 |

## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz

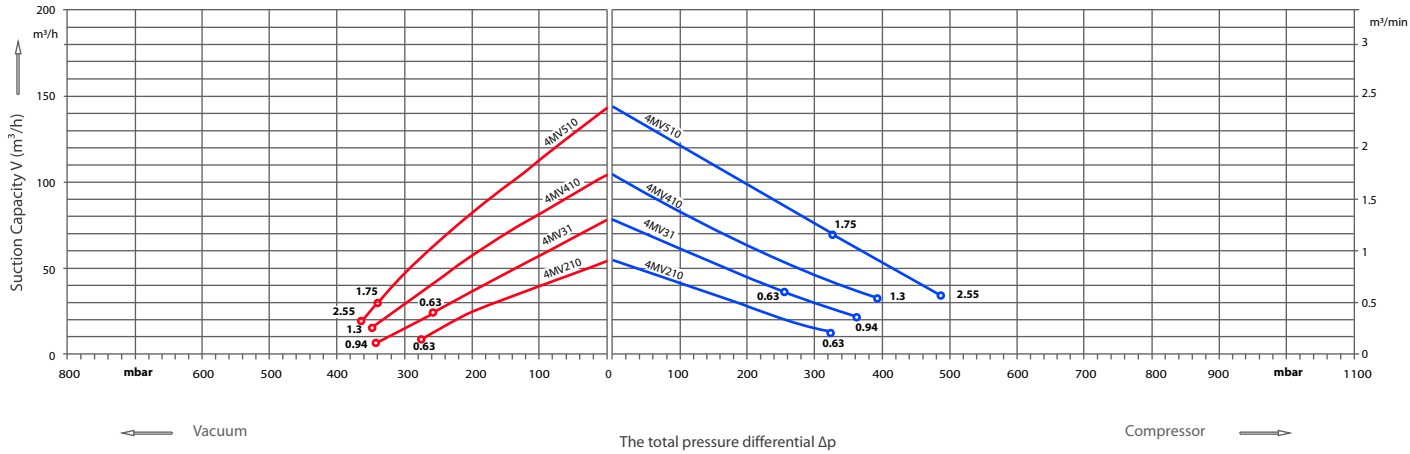



Compressor Selection Diagram 50Hz




The total pressure differential Δp

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz




The total pressure differential Δp

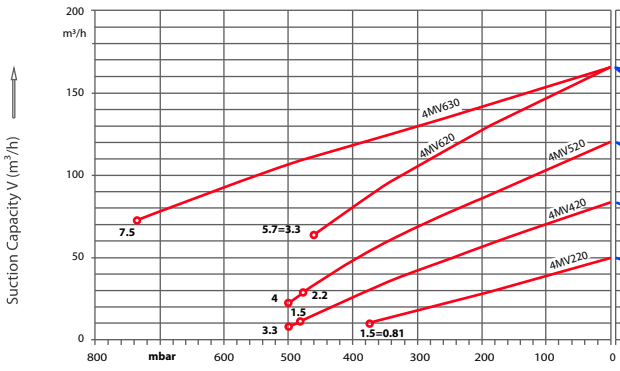
Selection and ordering parameters for blowers operating under vacuum and pressure.

| Order Number | MOTOR | | | | Weight | Sound | Normal airflow | Normal vacuum | Normal pressure | Discharging valve/ filter |
|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Rated | | | | | | | | |
| | | Output | Voltage | Current | | | | | | |
| | **Hz** | **KW** | **V** | **A** | **Kg** | **db(A)** | **m³/h** | **mbar** | **mbar** | |
| 4MV 220 H26 | 50 | 0.81 | 200-240Δ/345-415Y | 4Δ/2.3Y | 24 | 58 | 47 | -370 | 490 | RV-02/MF-10 |
| | 60 | 0.94 | 220-275Δ/380-480Y | 4Δ/2.3Y | | 62 | 60 | -440 | 480 | RV-02/MF-10 |
| 4MV 220 H56 | 50 | 1.5 | 200-240Δ/345-415Y | 7.5Δ/4.3Y | 28 | 58 | 47 | -370 | 650 | RV-02/MF-10 |
| | 60 | 1.75 | 220-275Δ/380-480Y | 7.6Δ/4.4Y | | 62 | 60 | -500 | 740 | RV-02/MF-10 |
| 4MV 420 H26 | 50 | 1.5 | 200-240Δ/345-415Y | 7.5Δ/4.3Y | 33 | 61 | 87 | -480 | 450 | RV-02/MF-10 |
| | 60 | 1.75 | 220-275Δ/380-480Y | 7.6Δ/4.4Y | | 66 | 105 | -430 | 410 | RV-02/MF-10 |
| 4MV 420 H56 | 50 | 3.3 | 200-240Δ/345-415Y | 13Δ/7.5Y | 39 | 61 | 87 | -500 | 750 | RV-02/MF-10 |
| | 60 | 3.8 | 220-275Δ/380-480Y | 13.8Δ/8Y | | 66 | 105 | -510 | 850 | RV-02/MF-10 |
| 4MV 520 H26 | 50 | 2.2 | 200-240Δ/345-415Y | 11.4Δ/6.6Y | 40 | 64 | 120 | -470 | 460 | RV-02/MF-10 |
| | 60 | 2.55 | 220-275Δ/380-480Y | 11.2Δ/6.5Y | | 70 | 145 | -500 | 450 | RV-02/MF-10 |
| 4MV 520 H77 | 50 | 4 | 345-415Δ | 9Δ | 51 | 65 | 120 | -500 | 820 | RV-02/MF-10 |
| | 60 | 4.6 | 380-480Δ | 9.5Δ | | 71 | 145 | -530 | 810 | RV-02/MF-10 |
| 4MV 620 H36 | 50 | 3.3 | 200-240Δ/345-415Y | 13Δ/7.5Y | 48 | 67 | 165 | -460 | 500 | RV-02/MF-10 |
| | 60 | 3.8 | 220-275Δ/380-480Y | 14.2Δ/8.2Y | | 71 | 195 | -480 | 420 | RV-02/MF-10 |
| 4MV 620 H57 | 50 | 5.7 | 345-415Δ | 12.5Δ | 65 | 68 | 165 | -460 | 740 | RV-02/MF-10 |
| | 60 | 6.6 | 380-480Δ | 12Δ | | 72 | 195 | -480 | 840 | RV-02/MF-10 |
| 4MV 630 H67 | 50 | 7.5 | 345-415Δ | 16Δ | 86 | 72 | 170 | -730 | 1040 | MF-10 |
| | 60 | 8.6 | 380-480Δ | 16Δ | | 76 | 200 | -700 | 1040 | MF-10 |

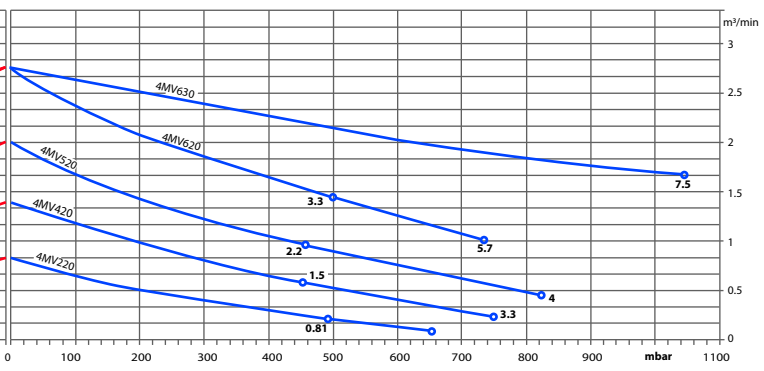
## 2MV SERIES SELECTION DIAGRAM 50/60HZ

The performance curves of Thompson blowers were tested under the following conditions: Air at 15°C was drawn in, with exhaust pressure at 1013 mbar and an allowable deviation of ±10%. If the intake air and ambient temperature do not exceed 25°C, the total pressure difference shown in the curves can still be achieved.

Vacuum Selection Diagram 50Hz




Compressor Selection Diagram 50Hz



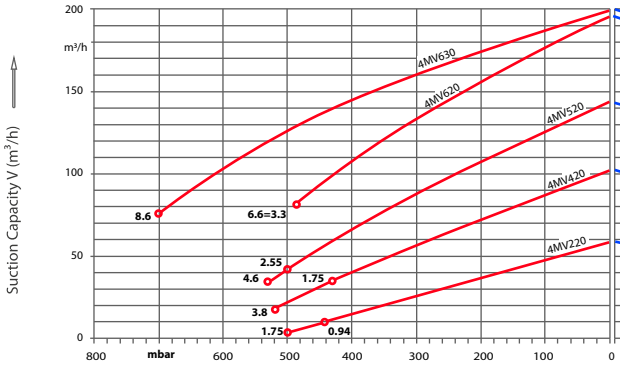

Suction Capacity V (m³/h)

Vacuum

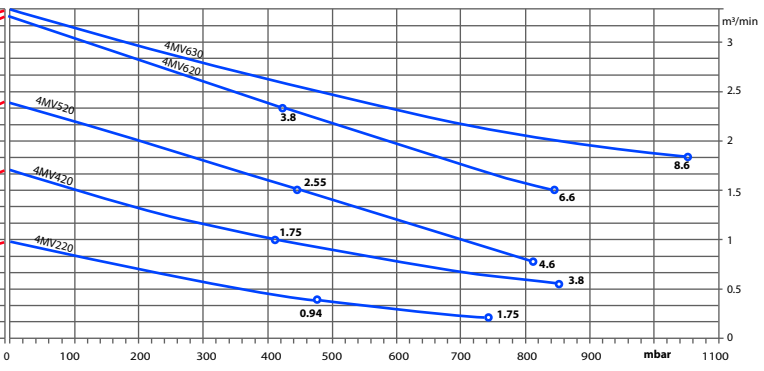
The total pressure differential Δp

Compressor

Vacuum Selection Diagram 60Hz




Compressor Selection Diagram 60Hz



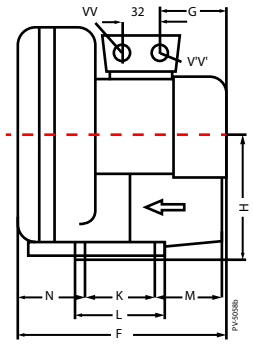

Suction Capacity V (m³/h)

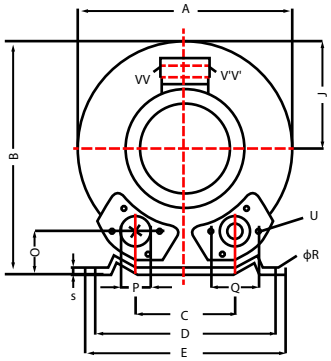
Vacuum

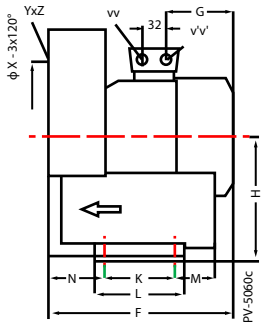
The total pressure differential Δp

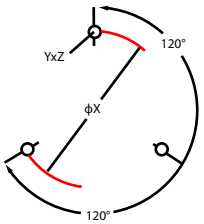
Compressor

## 2MV 210./2MV 230./2MV 410./2MV 430./2MV 490.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | X-Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | U | V(1~) | V'(1~) | $V_1$(3~) | $V'_1$(3~) | YxZ | | | X |
| 2MV 210 H06 | 3~ | 246 | 247 | 90 | 205 | 230 | 219 | 92 | 128 | 101 | 83 | 108 | 75 | 71 | 39 | G1¼(15tief-deep) | 64 | 10 | 2.5 | M6x17 | | | M25x1.5 | M16x1.5 | M6x15 | 0' | 120'/240' | 140 |
| 2MV 210 H16 | 3~ | | | | | | | | | | | | | | | | | | | | | | M25x1.5 | M16x1.5 | | | | |
| 2MV 230 H06 | 3~ | | | | | | 242 | 102 | | 101 | | | | 84 | | | | | | | | | | | | | | |
| 2MV 230 H16 | 3~ | | | | | | 269 | 129 | | 111 | | | | | | | | | | | | | | | | | | |
| 2MV 230 H26 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 310 H06 | 3~ | 268 | 272 | 93 | | | 260 | 135 | 141 | | | | 82 | 69 | 41 | | 64 | | | | | | | | | | | 159.6 |
| 2MV 310 H16 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 330 H06 | 1~ | | | | | | 276 | | | | | | | 85 | | | | | | | M16x1.5 | M25x1.5 | | | | | | |
| 2MV 330 H16 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

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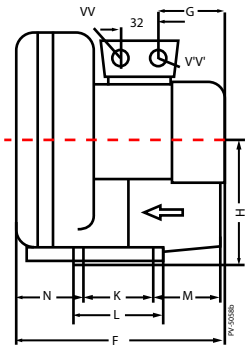
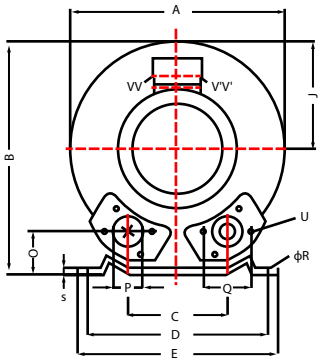
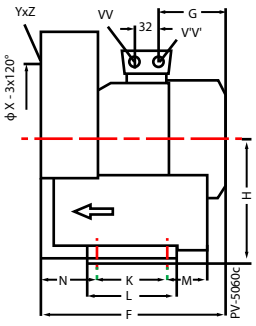
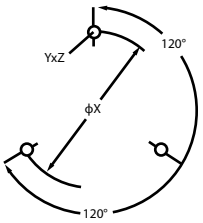
## 2MV 410./2MV 430./2MV 490.



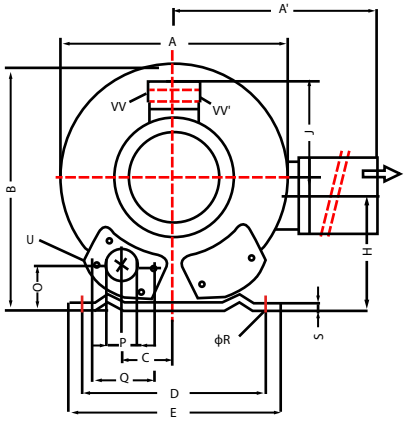



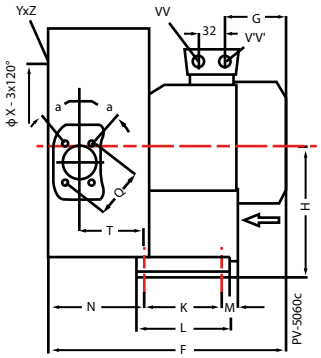



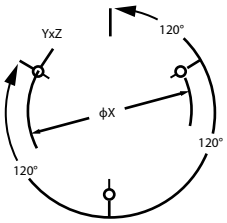

| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | X-Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | U | V(1~) | V'(1~) | $V_1$(3 ~) | $V'_1$(3 ~) | YxZ | | | X |
| 2MV 410 H16 | 3~ | | | | | | 292 | 153 | | 120 | | | | | | | | | | | | | | | | | | |
| 2MV 410 H26 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 220./2MV 420.



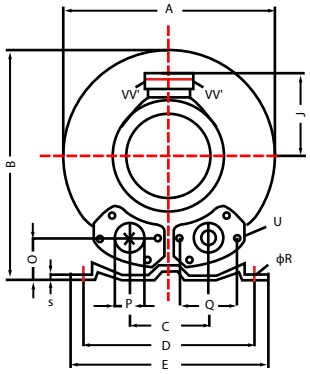



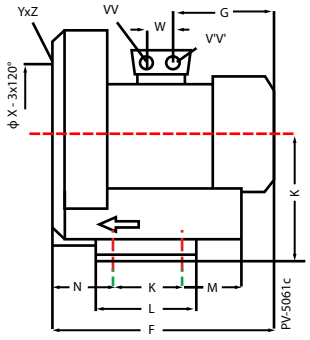



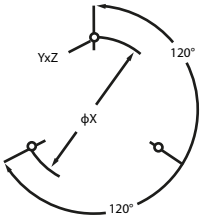

| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A' | B | C | D | E | F | G | H | H' | J | K | L | M | N | O | P | Q | R | S | T | U | V(1~) | V'(1~) | $V_1$ (3~) | $V_1'$ (3~) | α | X | YxZ | X-Holes |
| 2MV 420 H36 | 3~ | 321 | 321 | 315 | 58 | 225 | 255 | 401 | 185 | 154 | 154 | 128 | 95 | 130 | 70 | 151 | 46 | G1,(15 tief-deep) | 72 | 12 | 3 | 106 | M6x19 | | M25x1.5 | M16x1.5 | | 28 | 174 | | |
| 2MV 420 H46 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 510./2MV 530./2MV 590.



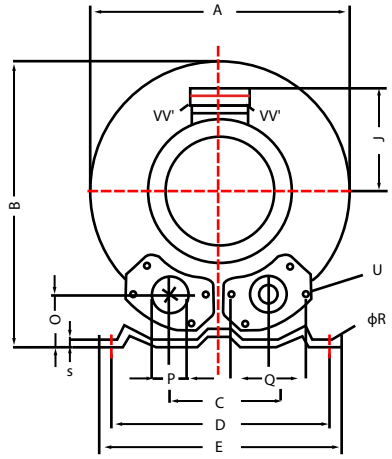



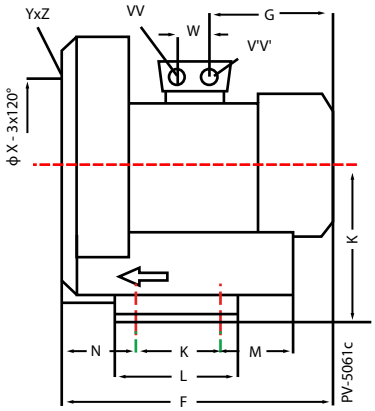



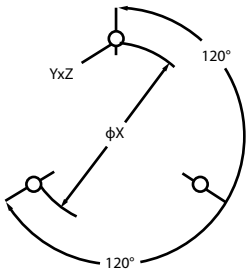

| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | X-Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | U | V(1~) | V'(1~) | $V_1$(3~) | $V_1'$(3~) | YxZ | | ϕX | W |
| 2MV 510 A21 | 1~ | 334 | 337 | 120 | 260 | 295 | 345 | 188 | 175 | 128 | 115 | 155 | 96 | 87 | 48 | 55 | 83 | 14 | 4 | M8x17 | M16x1.5 | M25x1.5 | | | M8x20 | 0'/120'/240' | 200 | 32 |
| 2MV 510 H06 | 3~ | | | | | | 314 | 153 | | 120 | | | | | | | | | | | | | M25x1.5 | M16x1.5 | | | | |
| 2MV 510 H16 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 510 H26 | 3~ | | | | | | 346 | 185 | | 128 | | | | | | | | | | | | | | | | | | |
| 2MV 510 H36 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 530 A11 | 1~ | | | | | | 371 | 188 | 175 | 128 | | | | | | | | | | | M16x1.5 | M25x1.5 | | | | | | |
| 2MV 530 H06 | 3~ | | | | | | 339 | 152 | 174 | 120 | | | | | | | | | | | | | M25x1.5 | M16x1.5 | | | | |
| 2MV 530 H16 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 530 H26 | 3~ | | | | | | 371 | 184 | | 128 | | | | | | | | | | | | | | | | | | |
| 2MV 530 H36 | 3~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 610./2MV 710./2MV 730./2MV 790.



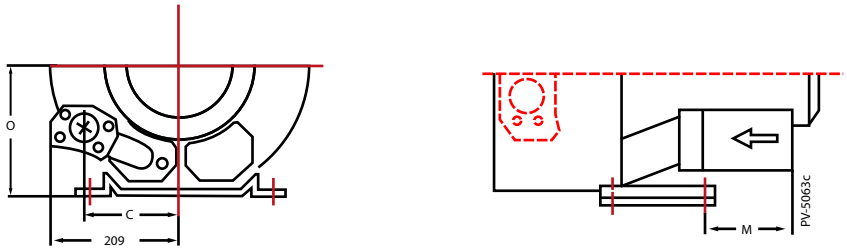



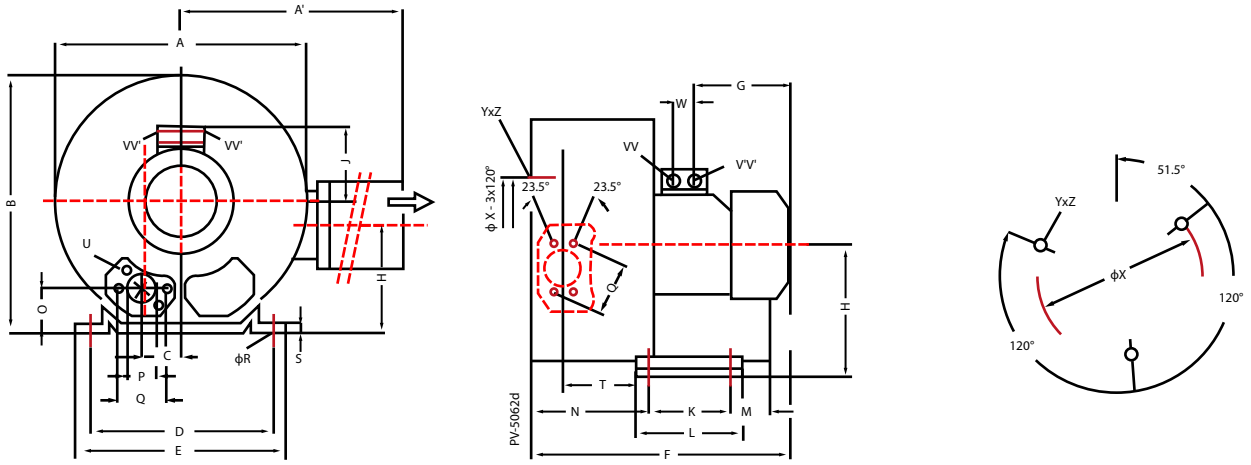

| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | X-Holes | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | U | V(1~) | V'(1~) | $V_1$(3~) | $V'_1$(3~) | YxZ | | X | W |
| 2MV 610 H06 | 3 ~ | 360 | 366 | 122 | 284 | 325 | 354 | 185 | 192 | 128 | 140 | 180 | 64 | 74 | 56 | 56 | 93 | 13 | 4.5 | M8x17 | | | M25x1.5 | M16x1.5 | M8x20 | 0'/120'/240' | 226 | 29 |
| 2MV 610 H16 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 610 H26 | 3 ~ | | | | | | 385 | 188 | | 135 | | | | | | | | | | | | | | | | | | 42 |
| 2MV 710 A11 | 1 ~ | 382 | 384 | 125 | 290 | | 377 | 185 | 198 | 128 | | | 84 | 109 | 54 | 55 | 83 | 15 | | | M25x1.5 | M16x1.5 | | | M10x20 | | 240 | 32 |
| 2MV 710 H06 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | M25x1.5 | M16x1.5 | | | | |
| 2MV 710 H16 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 710 H26 | 3 ~ | | | | | | 411 | 190 | | 135 | | | | | | | | | | | M32x1.5 | M32x1.5 | M32x1.5 | M32x1.5 | | | | 42 |
| 2MV 710 H37 | 3 ~ | | | | | | 432 | 211 | | 148 | | | | | | | | | | | | | | | | | | |
| 2MV 730 H06 | 3 ~ | 381 | 420 | | | | 385 | 184 | 197 | 128 | | | | | | | | | | | | | | | | | | |
| 2MV 730 H16 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 730 H26 | 3 ~ | | | | | | 419 | 189 | | 135 | | | | | | | | | | | | | | | | | | |
| 2MV 730 H37 | 3 ~ | | | | | | 440 | 210 | | 148 | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

2MV 520.
2MV 720 .- . . . . 4.
. -. . . . 5.



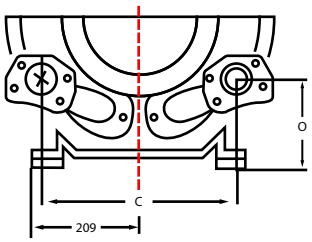

2MV 520.
2MV 720 .- . . . . 1.
.-. . . . 2.
.-. . . . 3.

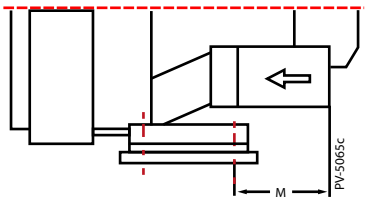



| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | X-Holes | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A' | B | C | D | E | F | G | H | H' | J | K | L | M | N | O | P | Q | R | S | T | U | V | V' | $V_1$ | $V'_2$ | X | YxZ | | W |
| 2MV 520 H46 | 3 ~ | 372 | 411 | 371 | 60 | 260 | 295 | 465 | 190 | 175 | 144 | 135 | 115 | 155 | 98 | 171 | 48 | 55 | 83 | 14 | 4 | 116 | M8x17 | 4×M32x1.5 | | | | 200 | M8x20 | 51.5'/171.5'/291.5' | 42 |
| 2MV 520 H57 | 3 ~ | | | | | | | 499 | 224 | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 720 H16 | 3 ~ | 426 | 424 | 420 | 63 | 290 | 325 | 473 | 185 | 198 | 164 | 128 | 140 | 180 | 84 | 205 | 54 | | | 15 | 4.5 | 129 | | M25x1.5 | M16x1.5 | | | 240 | M10x20 | | 32 |
| 2MV 720 H26 | 3 ~ | | | | | | | 507 | 190 | | | 135 | | | | | | | | | | | | | | | | | | | |
| 2MV 720 H37 | 3 ~ | | | | | | | 528 | 211 | | | 148 | | | | | | | | | | | | 4×M32x1.5 | | | | | | | |
| 2MV 720 H47 | 3 ~ | | | | 154 | 290 | | 570 | 225 | | | 167 | | | 225 | | 94 | | | | | | | | | | | | | | |
| 2MV 720 H57 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

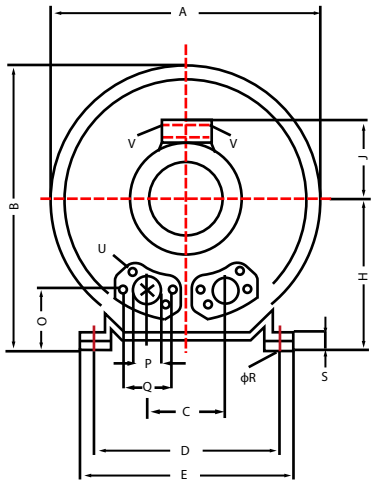
**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

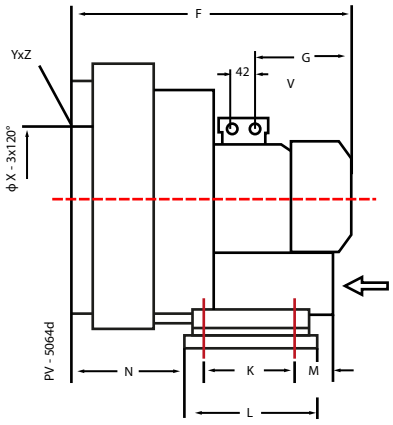
2MV 740 - . . . . . 4.
- . . . . . 5.

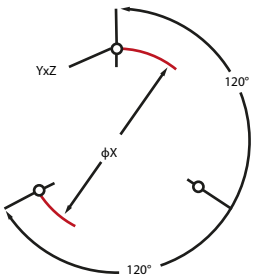



2MV 740 - . . . . 3.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | C' | D | E | F | G | H | J | K | L | M | N | O | P | Q | R | S | U | V | X | YxZ | |
| 2MV 740 H37 | 3 ~ | 424 | 430 | 125 | | 290 | 325 | 528 | 211 | 218 | 148 | 140 | 188 | 84 | 205 | 74 | 55 | 83 | 15 | 24.5 | M8x17 | 4×M32x1.5 | 240 | M10x20 | 0°/120°/240° |
| 2MV 740 H47 | 3 ~ | 334 | | | 309 | | | 569 | 224 | | 167 | | | 225 | | 114 | | | | | | | | | |
| 2MV 740 H57 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | |

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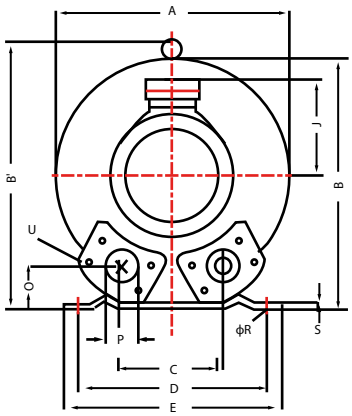
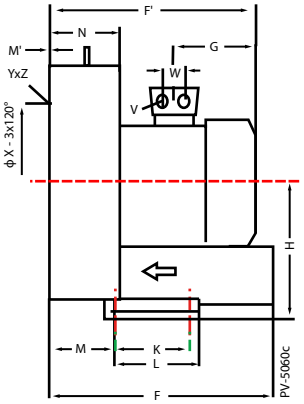
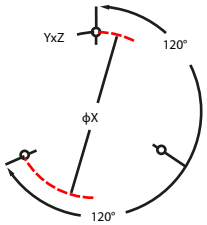
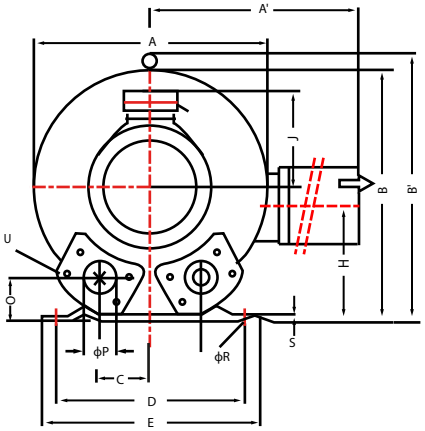
**2. The specifications are subject to change by the manufacturer without prior notice.**

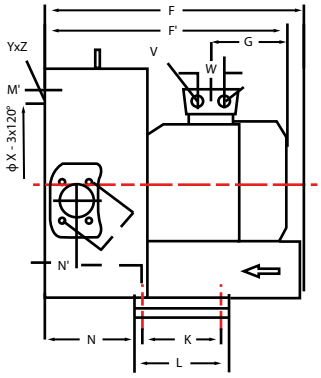
## 2MV 810./2MV 830.

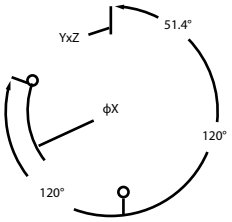


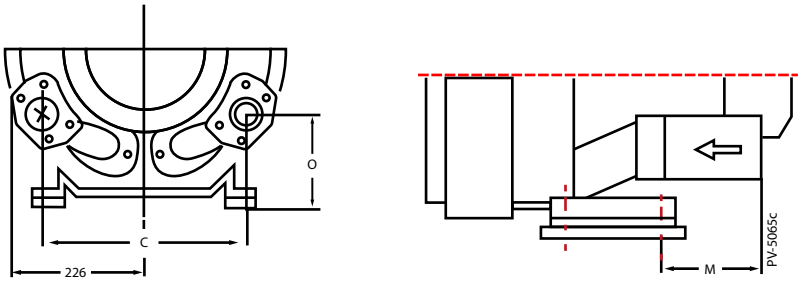



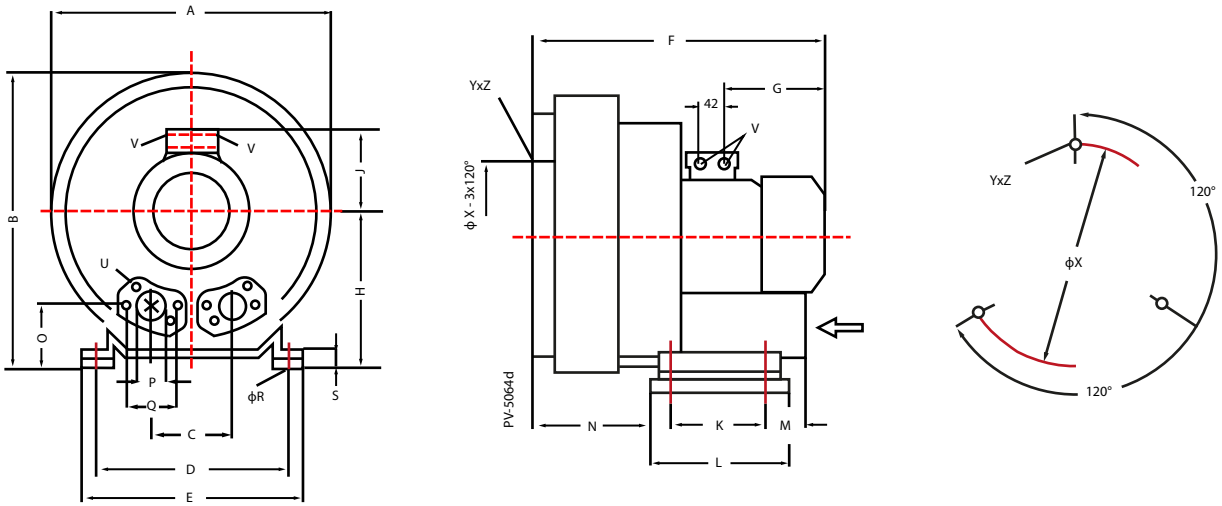

| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | A' | B | B' | C | D | E | F | F' | G | H | J | K | L | M | M' | N | N' | O | P | R | S | V | W | X | YxZ | |
| 2MV 810 H07 | 3 ~ | 451 | | 461 | 509 | 152 | 356 | 394 | 433 | 450 | 230 | 240 | 148 | 170 | 217 | 124 | 2 | 149 | | 65 | G2 1/4 | 15 | 6 | 4×M32x1.5 | 42 | 286 | M10x35 | 0'/120'/240' |
| 2MV 810 H17 | 3 ~ | | | | | | | | | 477 | 247 | | 167 | | | | | | | | | | | | | | | |
| 2MV 810 H27 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 820 H17 | 3 ~ | 500 | 549 | 490 | 509 | 76 | | | 545 | 589 | | 199 | | | | | | 236 | 84 | | | | | | | | | 51.4°/171.4°/291.4° |
| 2MV 820 H27 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 820 H37 | 3 ~ | | | | | | | | | 694 | 318 | | 197 | | | | | 212 | | | | | | 4×M40x1.5 | 54 | | | |
| 2MV 820 H47 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 830 H07 | 3 ~ | 451 | | 461 | 509 | 152 | | | 449 | 456 | 230 | 240 | 148 | | | 139 | | 164 | | 65 | | | | 4×M32x1.5 | 42 | | | 0°/120°/240° |
| 2MV 830 H17 | 3 ~ | | | | | | | | | 492 | 247 | | 167 | | | | | | | | | | | | | | | |
| 2MV 830 H27 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 840 - . . . . . 37.




## 2MV 840 - . . . . 27.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | C' | D | E | F | G | H | J | K | L | M | N | O | P | R | S | V | W | X | YxZ | |
| 2MV 840 H27 | 3 ~ | 500 | 550 | | 536 | 356 | 394 | 589 | 247 | 300 | 167 | 170 | 217 | | 261 | 125 | G2 | 15 | 66 | 4×M32x1.5 | 42 | 288 | M12x20 | 0'/120'/240' |
| 2MV 840 H37 | 3 ~ | | | 536 | | | | 694 | 318 | | 197 | | | 312 | 212 | 165 | | | | 4×M40x1.5 | 54 | | | |

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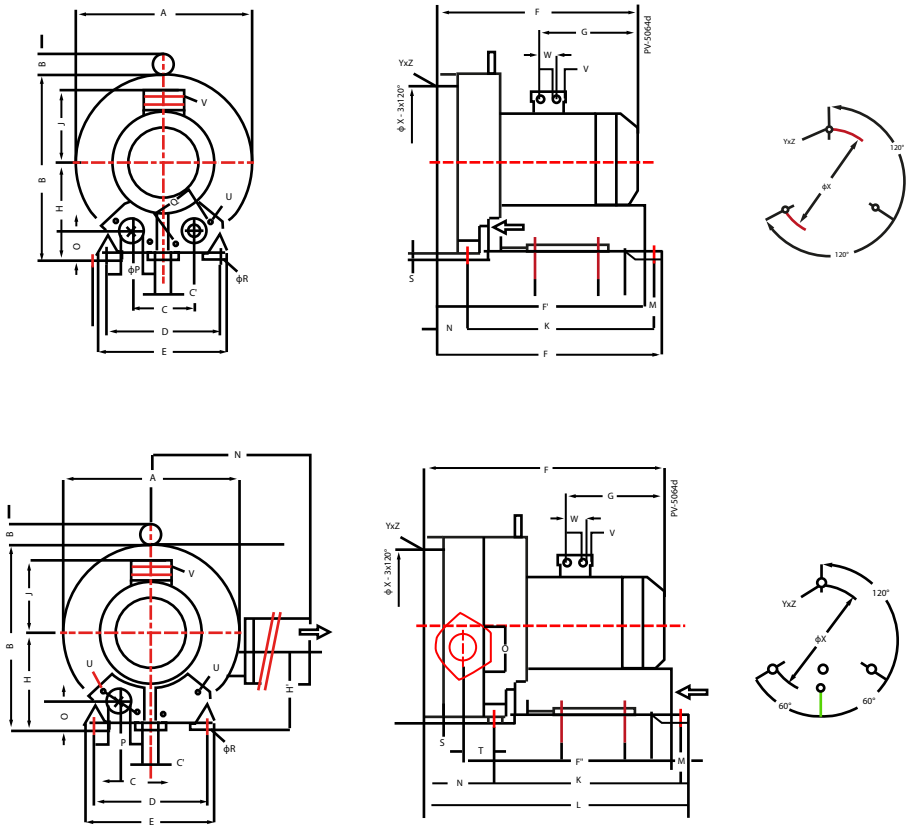
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 910./930.

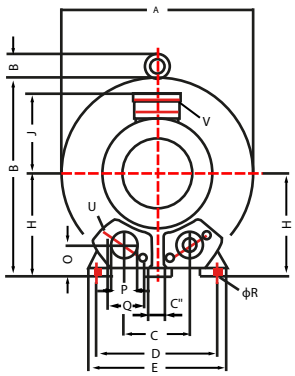


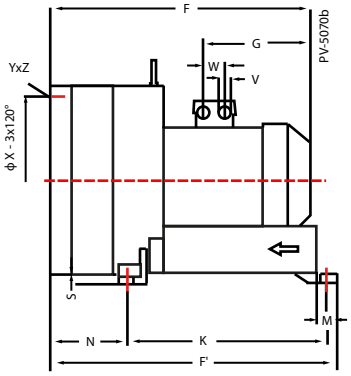
| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | $B_1$ | C | C' | D | E | F | F' | F'' | G | H | J | K | M | N | O | P | Q | R | S | U | V | W | X | YxZ | |
| | | 550 | 569 | 55 | 207 | 15 | 360 | 415 | 525 | 644 | 605 | 268 | 300 | 167 | 533 | 39 | 89 | 93 | 100 | 150 | 15 | 22 | M12x35 | 4×M32x1.5 | 42 | 490 | M12x30 | 0'/120'/240' |
| 2MV 910 H07 | 3 ~ | | | | | | | | 611 | | | 345 | | 197 | | | | | | | | | | 4×M40x1.5 | 54 | | | |
| 2MV 910 H17 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 910 H37 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | 4×M32x1.5 | 42 | | | |
| 2MV 930 H07 | 3 ~ | | | | | | | | 563 | 663 | 643 | 490 | | 167 | | | 127 | | | | | | | 4×M40x1.5 | 54 | | | |
| 2MV 930 H17 | 3 ~ | | | | | | | | 639 | | | 345 | | 197 | | | | | | | | | | | | | | |
| 2MV 930 H37 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

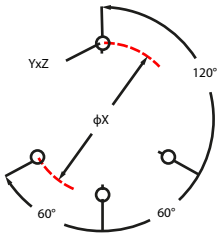
| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | $B_1$ | C | C' | D | E | F | F' | F'' | G | H | J | K | M | N | O | P | Q | R | S | T | U | V | W | X | YxZ | |
| 2MV 920 H17 | 3 ~ | 615 | 608 | 55 | 103.5 | 19 | 360 | 415 | 752 | 786 | 634 | 345 | 300 | 197 | 533 | 39 | 230 | 93 | 100 | 150 | 15 | 22 | 104 | M12x35 | 4×M40x1.5 | 54 | 490 | M12x30 | 120'/60'/60' |
| 2MV 920 H27 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 920 H37 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 920 H47 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 940.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | X-Holes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | $B_1$ | C | C' | D | E | F | F' | F" | G | H | J | K | M | N | O | P | Q | R | S | U | V | W | X | YxZ | |
| 2MV 940 H27 | 3 ~ | 615 | 608 | 52 | 207 | 15 | 360 | 415 | 790 | 824 | 801 | 345 | 300 | 197 | 533 | 39 | 280 | 93 | 100 | 140 | 15 | 22 | M12x35 | 4×M32x1.5 | 54 | 490 | M12x30 | 120°/60°/60° |
| 2MV 940 H37 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2MV 940 H47 | 3 ~ | | | | | | | | X | | | X | | | | | | | | | | | | | | | | |

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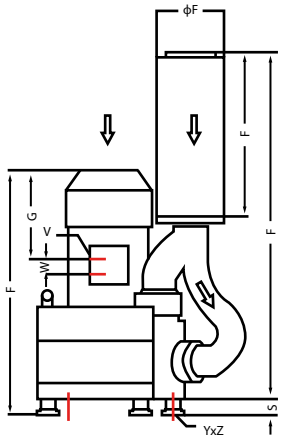
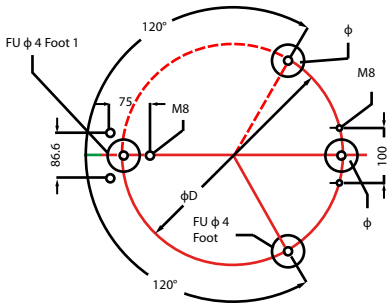
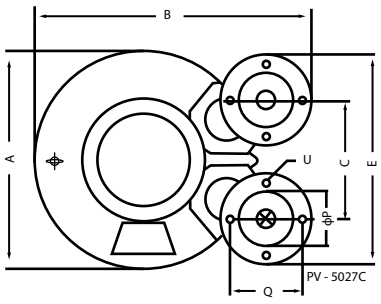
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 943.




| Type | Phases | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | F' | F" | G | P | P' | Q | S | U | V | W | YxZ |
| 2MV 943 H27 | 3~ | 615 | 734 | 307 | 490 | 527 | 1225 | 790 | 600 | 291 | 220 | 130 | 190 | 40 | M16x30 | 4×M40x1.5 | 54 | M12×10.5 |
| 2MV 943 H37 | 3~ | | | | | | | | | | | | | | | | | |
| 2MV 943 H47 | 3~ | | | | | | | | | | | | | | | | | |

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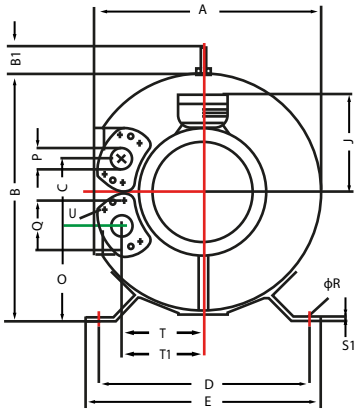
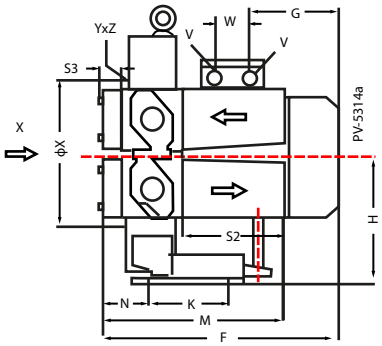
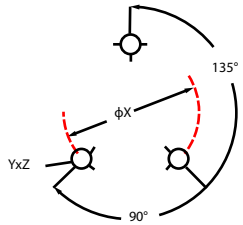
**2. The specifications are subject to change by the manufacturer without prior notice.**

## 2MV 210./4MV 310./ 4MV 410./4MV 510./ 4MV 610.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | $B_1$ | C | D | E | F | G | H | J | K | M | N | O | P | Q | R | $S_1$ | $S_2$ | $S_3$ | T | $T_1$ | U | V | $V_1$ | W | X | YxZ |
| 4MV 210 H16 | 3 ~ | 294 | 319 | 39 | 87 | 260 | 298 | 293 | 129 | 167 | 111 | 105 | 252 | 65 | 124 | G1¼(18 deep) | 64 | 14 | 4 | 140 | 31 | 105 | 107 | | | | | 153 | M6x15 |
| 4MV 310 H16 | 3 ~ | 313 | 339 | | 94 | 290 | 325 | 295 | 153 | 177 | 120 | | 256 | 67 | 130 | | | | | | | 114 | 116 | | | | | | |
| 4MV 310 H26 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4MV 410 H16 | 3 ~ | 346 | 375 | 38 | 103 | 315 | 350 | 321 | | 195 | | 130 | 260 | 66 | 143 | | | | | | | 125 | 127 | | | | | 167 | |
| 4MV 410 A41 | 1 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4MV 410 B46* | 1 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4MV 510 H16 | 3 ~ | 368 | 395 | 39 | 114 | 328 | 363 | 361 | 185 | 205 | 128 | 152 | 265 | 68 | 148 | | | | 5 | | | 137 | 138 | | | | | 192 | M6x15 |
| 4MV 510 H26 | 3 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4MV 610 H16 | 3 ~ | 418 | 455 | | 127 | 371 | 406 | 364 | | 235 | | | 271 | 72 | 172 | | | | | | | 153 | 155 | | | | | 228 | |
| 4MV 610 H36 | 3 ~ | | | | | | | 390 | 211 | | | | | | | | | | | | | | | | | | | | |

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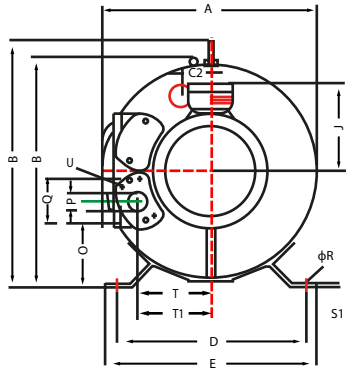
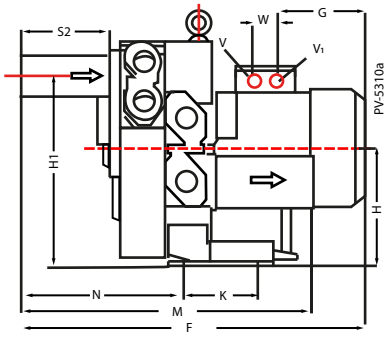
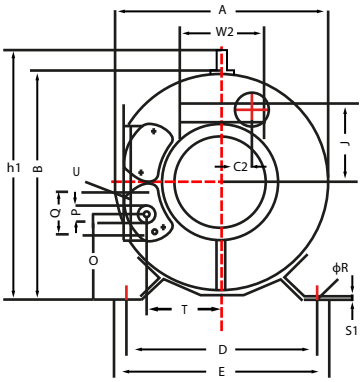
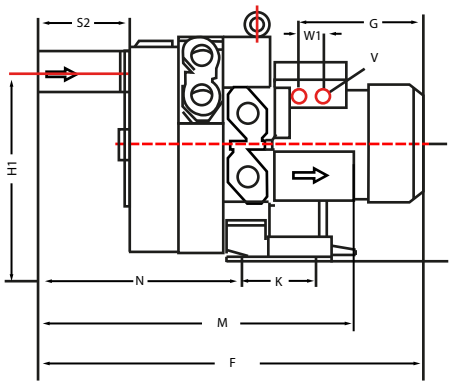
## 4MV 220./4MV 320./ 4MV 420./4MV 520./4MV 620./4MV 630.




## 4MV 630.




| Type | Phases | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | B' | C2 | D | E | F | G | H | H1 | J | K | M | N | O | P | Q | ϕ R | S1 | S1 | S1 | T | T1 | U | V | V1 | W |
| 4MV 220 H26 | 3~ | 313 | 326 | 359 | 43 | 260 | 298 | 469 | 130 | 167 | 272 | 111 | 105 | 426 | 241 | 123 | G1¼(18 deep) | 63.8 | 14 | 4 | 140 | 31 | 105 | 107 | M6×17 | M25×1.5 | M16×1.5 | 32 |
| 4MV 220 H56 | 3~ | | | | | | | 525 | 185 | | | 128 | | | | | | | | | | | | | | | | |
| 4MV 320 H46 | 3~ | 331 | 345 | 380 | 47 | 290 | 325 | 390 | 153 | 177 | 291 | 120 | | 431 | 243 | 130 | | | | | | | 114 | 116 | | | | |
| 4MV 320 H56 | 3~ | | | | | | | 421 | 185 | | | 128 | | | | | | | | | | | | | | | | |
| 4MV 420 H26 | 3~ | 363 | 377 | 414 | 52 | 315 | 350 | 529 | 180 | 195 | 319 | 128 | 130 | 436 | | 143 | | | | | | | 125 | 127 | | | | |
| 4MV 420 H56 | 3~ | | | | | | | 554 | 211 | | | | | | | | | | | | | | | | | | | |
| 4MV 520 H26 | 3~ | 387 | 402 | 435 | 57 | 328 | 363 | 549 | 185 | 206 | 343 | 128 | 152 | 453 | 256 | 148 | | | | 5 | | | 137 | 138 | | | | 42 |
| 4MV 520 H77 | 3~ | | | | | | | 603 | 211 | | | 148 | | | | | | | | | | | | | | 2×M32×1.5 | | 32 |
| 4MV 620 H36 | 3~ | 442 | 457 | 495 | 63 | 372 | 406 | 578 | | 236 | 389 | 128 | | 458 | 259 | 173 | | | | | | | 153 | 155 | | M25×1.5 | | 42 |
| 4MV 620 H57 | 3~ | | | | | | | 643 | 248 | | | 148 | | | | | | | | | | | | | | 2×M32×1.5 | | |

| Type | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | B' | C2 | D | E | F | G | H | $H_1$ | K | M | N | O | P | Q | R | $S_1$ | $S_1$ | T | U | V | $W_1$ | W |
| 4MV 630 H67 | 442 | 402 | 492 | 63 | 371 | 406 | 717 | 274 | 236 | 389 | 152 | 539 | 336 | 172 | G1¼(15 deep) | 64 | 14 | 5 | 146 | 153 | M6×17 | M32×1.5 | 42 | 120 |

**Note: 1. The Catalogue only for reference, If there are differences, please confirm by the practicalities.**
**2. The specifications are subject to change by the manufacturer without prior notice.**

**Outlet size:** 0.3–5 mm **Length:** 0.2–3 m

**Applications:** Widely used in circuit boards, electroplating parts, film drying.

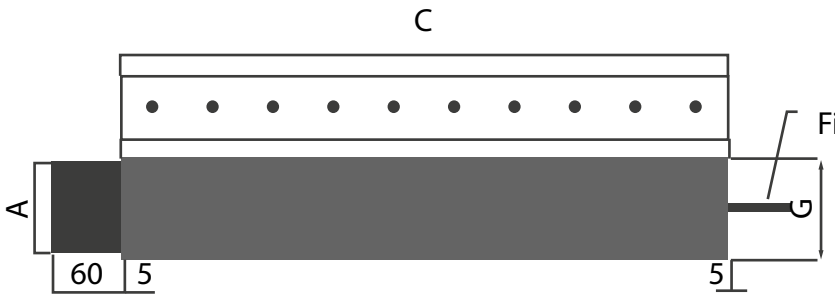
**Material:** Made entirely of SUS304 or 316L stainless steel; acid and alkali resistant.

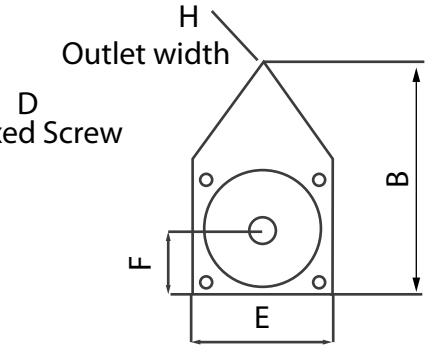
**Design:** Based on aerodynamic principles, ensuring low wind resistance and uniform air velocity.

**Performance:**
- Maximum pressure: 5kgf/cm²
- Air speed: up to 400m/s
- Suitable for hot air applications up to 250°C

**Uses:** Ideal for drying, isolation curtains, water curtains, and reducing cold or hot air loss.

**Inlet sizes available:** 32mm / 40mm / 50mm / 63mm / 76mm
(inlet diameter options: 1½", 1¼", 2", 2.5", 3").




| Modelo | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| JMSUS-32/38-C-H | 32/38 | 104 | 100–2400 | M8×50 | 50 | 25 | 49 | 0.3–5 |
| JMSUS-45/51-C-H | 45/51 | 120 | 100–2400 | M8×50 | 60 | 28 | 63 | 0.3–5 |
| JMSUS-60/63-C-H | 57/63 | 142 | 100–2400 | M8×50 | 77 | 38 | 82 | 0.5–5 |
| JMSUS-76-C-H | 76 | 155 | 100–2400 | M8×50 | 89 | 45 | 86 | 0.5–5 |
| JMSUS-89-C-H | 89 | 188 | 100–2400 | M10×50 | 100 | 50 | 81 | 1–5 |
| JMSUS-108-C-H | 108 | 253 | 100–2400 | M10×50 | 128 | 63 | 110 | 1–8 |

## ALUMINUM ALLOY AIR KNIFE SERIE

**Outlet size:** 0.3–3 mm **Length:** 0.1–3 m

**Features:** Cost-effective, space-saving design, easy to install

**Applications:** Used in circuit boards, electroplating components, film drying

**Performance:** Low resistance, high wind speed, uniform airflow output

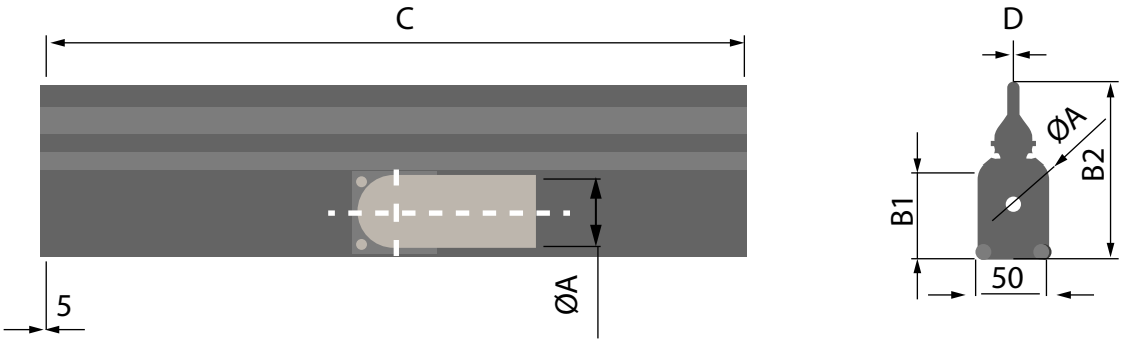
**Material:**
- Main body made of stretch-formed aluminum alloy 6061
- Surface treated with anodized finish for durability

**Pressure:** Up to 2kgf/cm²

**Temperature resistance:** Up to 200°C

**Additional:** Can be connected to a heater for blowing hot air

**Inlet diameter:** 50mm (2")




| Model | A | B1 | B2 | C | D |
|---|---|---|---|---|---|
| JMAL-C-D-A | 32 / 38 / 45 / 51 | 63 | 125 | 100–3000 | 0.2–3 |

## COANDA EFFECT AIR KNIFE

**Adjustable outlet width:** 0.3–8mm

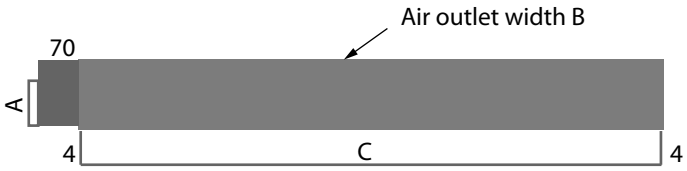
**Design:** Corrosion-resistant and anti-leakage end cap

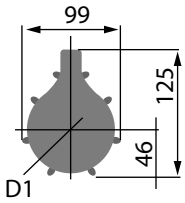
**Applications:** Widely used in circuit boards, plating parts, film drying

**Knife edge:** Unique protruding edge for continuous, controllable jet airflow

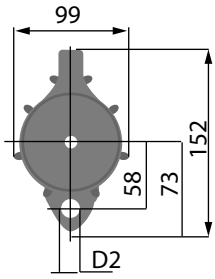
**Airflow performance:**
The droplet-shaped body and optimized air entrainment design ensure high-speed, stable airflow

**Inlet diameter:** 76mm (3")



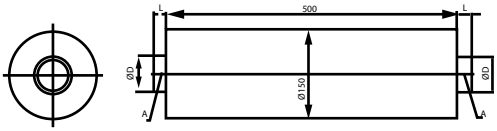

Mounting method E1




Mounting method E2

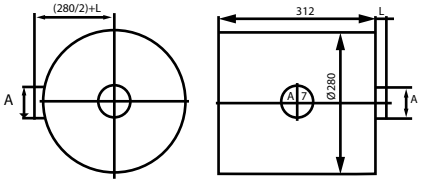
| Model | A | B | C | D1 | D2 | Mounting Method |
|---|---|---|---|---|---|---|
| JMKED-C-51-B | 51 | 0.8–5 | 100–3000 | M8 | Ø12.5 | E1 / E2 |
| JMKED-C-63-B | 63 | 0.8–5 | 100–3000 | M8 | Ø12.5 | E1 / E2 |
| JMKED-C-76-B | 76 | 0.8–5 | 100–3000 | M8 | Ø12.5 | E1 / E2 |

## Muffler




| A | D (mm) | L (mm) |
|---|---|---|
| G2½" | 78 | 60 |
| G2" | 62 | 60 |
| G1½" | 48 | 50 |
| G1¼" | 40 | 50 |

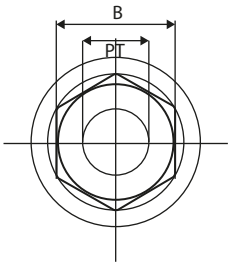
## Filtering Barrels
(Vacuum filter housing)

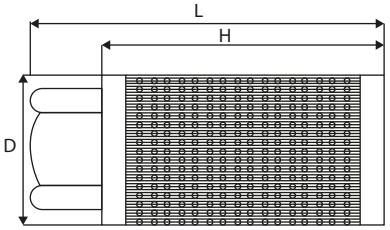



Thread Dimensions for Vacuum Us

| A | L (mm) |
|---|---|
| G2½" | 65 |
| G2" | 50 |
| G1½" | 40 |
| G1¼" | 32 |

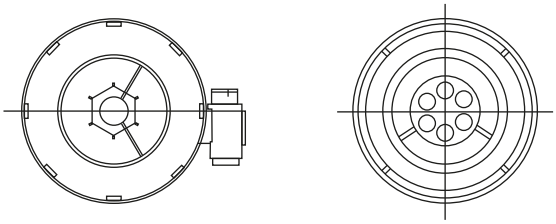
## Air Filter

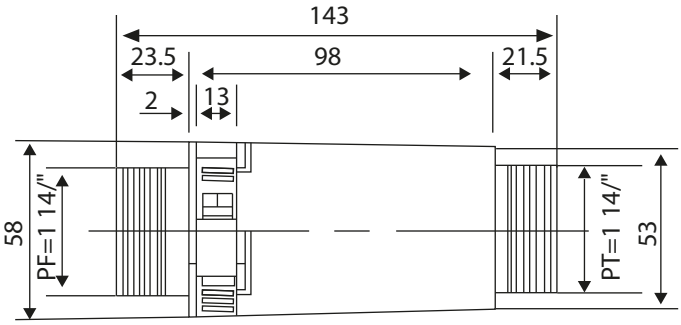


| Model | PT | D (mm) | L (mm) | H (mm) | B (mm) | Filtration Accuracy (µm) | (L/min) | (Kg) |
|---|---|---|---|---|---|---|---|---|
| MF-08 | 1" | 58 | 170 | 155 | 42 | 100 | 110 | 0.20 |
| MF-10 | 1¼" | 71 | 186 | 170 | 54 | 100 | 210 | 0.35 |
| MF-12 | 1½" | 85 | 196 | 182 | 65 | 100 | 285 | 0.49 |
| MF-16 | 2" | 103 | 215 | 202 | 75 | 100 | 395 | 0.65 |
| MF-20 | 2½" | 148 | 274 | 252 | 97 | 100 | 750 | 1.20 |
| MF-32 | 4" | 208 | 380 | 357 | 142 | 100 | 1000 | 2.45 |

## Pressure Relief Valve







| Model | Port Size | L (mm) | Pressure Range |
|---|---|---|---|
| RV-01 | 1¼" | 143 | 0–300 mbar |
| RV-02 | 1¼" | 143 | 300–800 mbar |

THOMPSON

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