V2I-MV-04-26

THOMPSON
Electric Industries INC

GENERAL CATALOG

REGENERATIVE BLOWERS
1 & 2 STAGES

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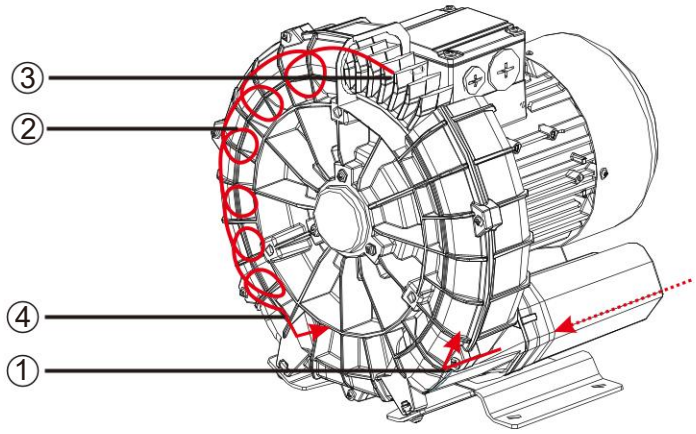
OPERATING PRINCIPLE

Side channel impeller

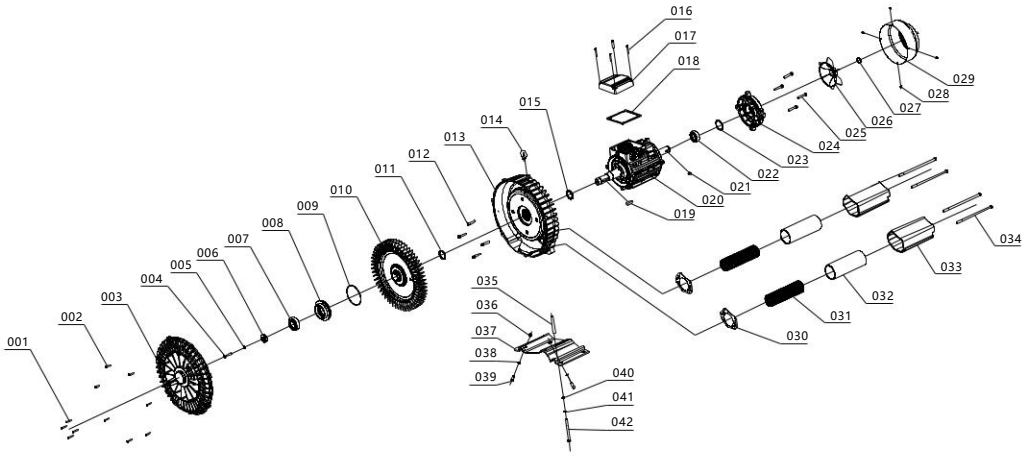
Air outlet
Air inlet



The impellers are mounted directly on the motor shaft for contact-free compression and completely frictionless operation. Maximum operational reliability is ensured, even at high pressure differentials, thanks to the arrangement of the bearings outside the compression chamber.

The gas is drawn in through the inlet. As it enters the side channel, the rotating impeller imparts velocity to the gas in the direction of rotation. The centrifugal force generated by the impeller blades accelerates the gas outward and increases its pressure.

With each rotation, kinetic energy is added, resulting in a further increase in pressure along the side channel. The side channel narrows along the rotor, carrying the gas from the impeller blades and discharging it through the outlet silencer, where it exits the side channel blower.



No	Part Name	No	Part Name	No.	Part Name	No.	Part Name	No.	Part Name
001	Screw	010	Impeller	019	Flat key	028	Screw	037	Mounting plate
002	Impeller	011	Impeller cover	020	Motor	029	Fan cover	038	Lock washer
003	Pump cover	012	Screw pump casing	021	Flat key	030	Filter element	039	Screw
004	Screw	013	Pump casing	022	Bearing	031	Mesh enclosure	040	Housing / Casing component
005	Washer	014	Handle	023	Spacer / Washer	032	Soundproof foam	041	Lock washer
006	Pressure plate	015	Oil seal	024	Motor cover	033	Silencer pipe	042	Screw
007	Bearing	016	Screw	025	Screw	034	Screw		
008	Base fixing	017	Motor junction box cover	026	Cooling fan	035	Support pipe		
009	O-ring	018	Rubber washer	027	Retaining clip	036	Screw		

STRUCTURAL DIAGRAM

• 100% oil-free, no water compression. All regenerative ring blower motors feature IP55 protection and Class F insulation.

• Dual frequency (50/60 Hz) and wide voltage range to meet the requirements of most global regions. The external bearing design can withstand higher operating temperatures, improving reliability and service life.

• Incorporates a new variable frequency drive concept, improving maximum performance by up to 300% compared to conventional motor drives. The impeller and pump body seal ensure minimal pressure loss during gas compression.

• Blower housing made with pressure die-casting technology, ensuring high strength, durability, and excellent heat dissipation. Components are manufactured with high precision standards.

• Precision machining ensures high accuracy and quality. The blower is treated with protective surface coating or enhanced durability.

• All products undergo strict mechanical and electrical performance testing. Simulation and design validation are carried out using advanced CAD software such as PROE, UG, and others.

Complete Specifications, Globally Recognized

• Up to 100 product models to meet diverse application requirements. Equipped with dual-frequency motors (50/60 Hz), wide voltage range, IP55 protection, and Class F insulation. Regenerative ring blowers can be adapted for use worldwide. Regardless of delivery location (Europe, Middle East, or Asia), fast delivery is ensured. Our large inventory can meet your demands promptly.

Variable Frequency Drive Efficiency

• When equipped with a variable frequency motor or control cabinet, the regenerative ring blower can achieve higher energy efficiency. This is due to the precise control system, which delivers the exact required power, avoiding excess energy consumption and significantly reducing operating costs.

Flexible Installation

• Can be installed in any orientation without restrictions, reducing space requirements and installation costs.

Total Quality Management

• Under ISO 9001 standards, we prioritize quality and customer satisfaction at every stage of the value chain—from initial design and development to production, order processing, and after-sales service. We are committed to delivering excellence and providing comprehensive support throughout the entire product lifecycle.

• We understand that technological progress and market success are inseparable from high quality. To ensure superior standards from concept to final delivery, we have implemented a strictly controlled production system with full reliability assurance across all processes.

• Our quality management system not only complies with established standards but is also backed by ISO 9001 certification. To meet global market demands, we integrate OEM and ODM product development, ensuring continuous evolution aligned with technical requirements and emerging industry needs.

PRODUCT CATEGORIES

2MV Series

Standard Type 2MV2/B3/B4/B5/B6/B7/B8/B9	Suitable for conventional ring blower applications. Safe and reliable.
Intermediate Type 2MV2/B3/B4/B5/B6/B7/B8	Enhanced version suitable for high temperatures, corrosion resistance, and harsh operating conditions. Safe and reliable.
Belt-Driven Type 2MV2/B3/B4/B5/B6/B7/B8/B9	Independent blower head, can be configured with different motors. Improved airflow pressure performance.
High Flow Type 2MV2/B3/B4/B5/B6/B7/B8/B9	All models optimized for increased airflow capacity and higher gas output.

4MV Series

Standard Type 2MV2/B3/B4/B5/B6	High outlet pressure with low temperature rise. Safe and reliable.

MODEL CODE STANDARD

2MV 2 1 0 H 0 6

H6: Three-phase	Δ220-240V/y 345-415V
H7: Three-phase	Δ345-415V/Y600-720V
A1: Single-phase	220-240V
V1: Single-phase	115-230 voltios
Motor frame number	
0: Any installation method 3: Vertical installation	
3: High flow (single impeller)	2: Double impeller 4: High flow (double impeller)
Blower head model	
2MV: Pressure blower	4MV: High-pressure positive blower

• At the same time, we provide a full range of sealed blowers and explosion-proof blowers for specific applications.

• Absolute Pressure

Absolute pressure in a vacuum (where absolute pressure is zero) is used as the reference for the measured value. Therefore, the measured pressure is greater than the reference value.

• Gauge Pressure

Gauge pressure indicates that the measured value is higher than standard atmospheric pressure. Standard atmospheric pressure is used as the reference, so the actual measured value is greater than the reference value.

• Vacuum Level

Vacuum means that the measured value is lower than standard atmospheric pressure. The reference remains standard atmospheric pressure, so the actual measured value is lower than the reference value.

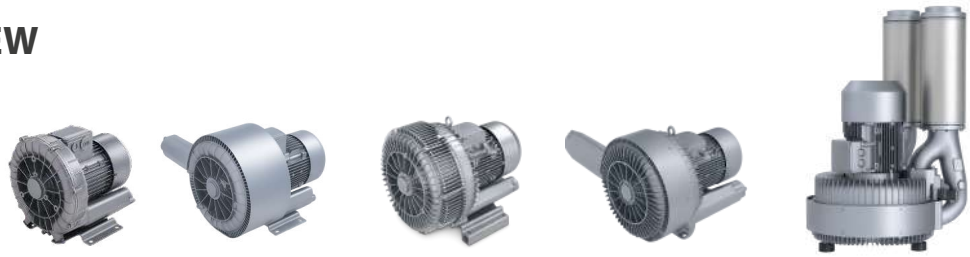
• Conversion Tables

AIRFLOW		
Initial Unit	**Conversion Factor**	**Target Unit**
l/min	0.06	m^3 /h
gal/min	0.227	m^3 /h
ft^3/min(cfm)	1.699	m^3 /h
m^3/h	16.667	l/min
m^3/h	4.403	gal/min
m^3/h	0.588	ft^3/min(cfm)

	PRESSURE	
Initial Unit	**Conversion Factor**	**Target Unit**
Pa	0.01	mbar
hpa	1.0	mbar
kpa	10.0	mbar
mmH2O (mmAq)	0.098	mbar
mH2O	98.07	mbar
at	980.7	mbar
in H_2O	2.491	mbar
PSI lbf/in²	68.948	mbar

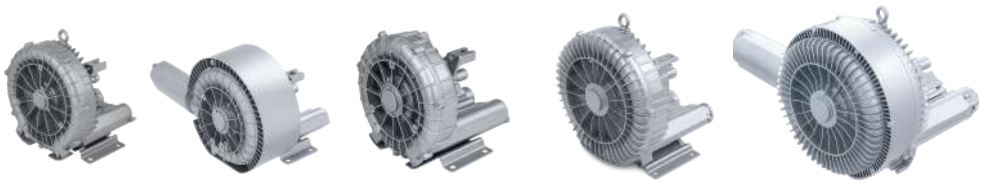
PRODUCT OVERVIEW

• 2MV Regenerative Ring Blower



• 4MV Regenerative Ring Blower

• 4MV Belt-Driven Type



• 2MV/4MV Explosion-Proof Models

Key Product Quality Highlights

1. DIN VDE 0105 and IGC 364 specify that unqualified personnel must not operate electrical equipment. Qualified personnel refer to individuals responsible for plant safety or authorized personnel. They must be trained in accident prevention according to established standards of training, experience, knowledge, and capability, and must recognize potential hazards and necessary preventive measures. Knowledge of basic first aid and familiarity with relevant safety equipment is essential.

2. The operating instructions supplied with the equipment may not include all detailed information for every possible application and may not cover all installation scenarios relevant to operation and maintenance. This manual only provides the necessary qualification requirements for proper operation of the equipment. If the product lacks specific parameters or if there are related questions, please contact us according to the equipment type or processing requirements.

3. Tolerance standards: The motor complies with DIN EN 60034 / DIN IEC 34-1, insulation class F.

4. During selection, according to specific site conditions, choose the most suitable configuration based on parameters such as flow rate and pressure. Consider efficiency and energy savings. Use pressure relief valves, filters, and auxiliary components when necessary to improve performance and ensure proper system integration.

5. Before startup, ensure that all fasteners are secure and will not loosen. The casing must be intact and properly assembled. Verify power supply voltage, grounding requirements, and installation of leakage protection devices. Ensure normal operation conditions: no abnormal noise, vibration, or temperature rise.

6. During operation, if abnormal noise, vibration, or temperature rise is detected, immediately disconnect the power supply for inspection. Restart only after the fault has been resolved.

Do not install shut-off valves in the blower inlet line.
The inlet must not be connected rigidly; a flexible connection should be used.

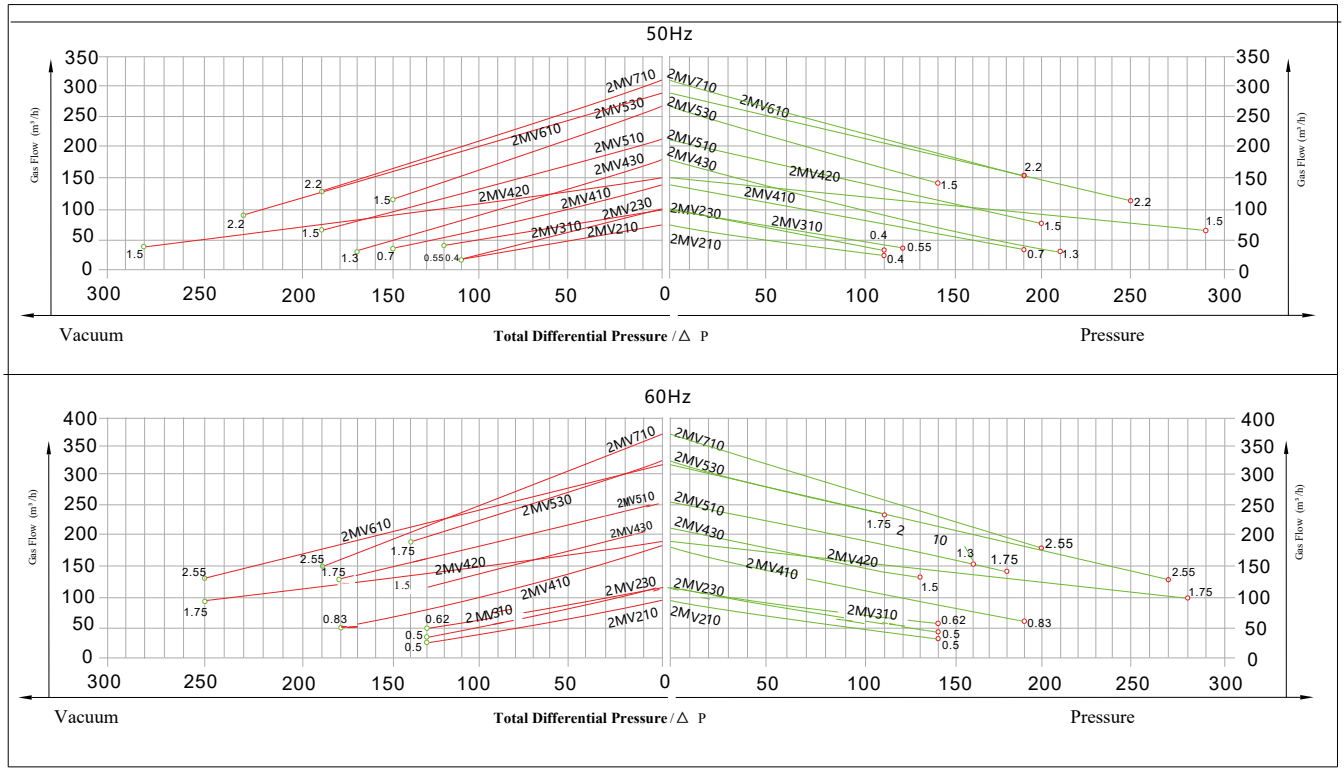
2MV 1AC 230V (IP55 50/60Hz)

Model Table and Performance Parameters of 2MV 1AC 230V Regenerative Ring Blower (IP55 50/60Hz)

Model 2MV-1AC-230V	Nominal Motor Parameters									
	Single-stage	Frequency	Power	Voltage	Current	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double-stage	Hertz	kW	V	A	m³/hora	Mbar	Mbar	dB (A)	kg
• 2MV 210 A01	Single-stage	50	0.4	230	2.7	80	-110	110	53	11
	Single-stage	60	0.5	230	3.0	96	-130	140	56	
• 2MV 310 A01	Single-stage	50	0.55	230	3.7	100	-120	120	55	13
	Single-stage	60	0.62	230	4.5	120	-130	150	57	
• 2MV 310 A11	Single-stage	50	0.7	230	4.5	100	-150	150	55	14
	Single-stage	60	0.83	230	5.6	120	-150	160	57	
• 2MV 410 A01	Single-stage	50	0.7	230	4.5	145	-120	120	63	15
	Single-stage	60	0.83	230	5.6	175	-130	130	64	
• 2MV 410 A11	Single-stage	50	0.85	230	5.5	145	-150	160	63	16
	Single-stage	60	0.95	230	6.1	175	-160	140	64	
• 2MV 410 A21	Single-stage	50	1.3	230	7.8	145	-160	200	64	17
	Single-stage	60	1.5	230	8.8	175	-190	200	65	
• 2MV 510 A01	Single-stage	50	1.3	230	7.8	210	-170	170	64	21
	Single-stage	60	1.5	230	8.8	255	-160	170	70	
• 2MV 510 A11	Single-stage	50	1.5	230	10.4	210	-190	200	64	24
	Single-stage	60	1.75	230	11.2	255	-180	180	70	
• 2MV 510 A21	Single-stage	50	2.2	230	12.8	210	-220	210	64	26
	Single-stage	60	2.55	230	12.8	255	-210	200	70	
• 2MV 610 A01	Single-stage	50	2.2	230	12.8	270	-230	250	64	28
	Single-stage	60	2.55	230	12.8	315	-250	270	70	
• 2MV 710 A01	Single-stage	50	2.2	230	12.8	270	-190	190	72	30
	Single-stage	60	2.55	230	12.8	315	-190	200	74	

2MV Compression / Vacuum Performance Curve 1AC-230V

The performance curve is based on air at 15°C measured at the inlet flange with an inlet air pressure of 1,103 mbar ±10%.
The total differential pressure is referenced to an ambient temperature of 25°C.



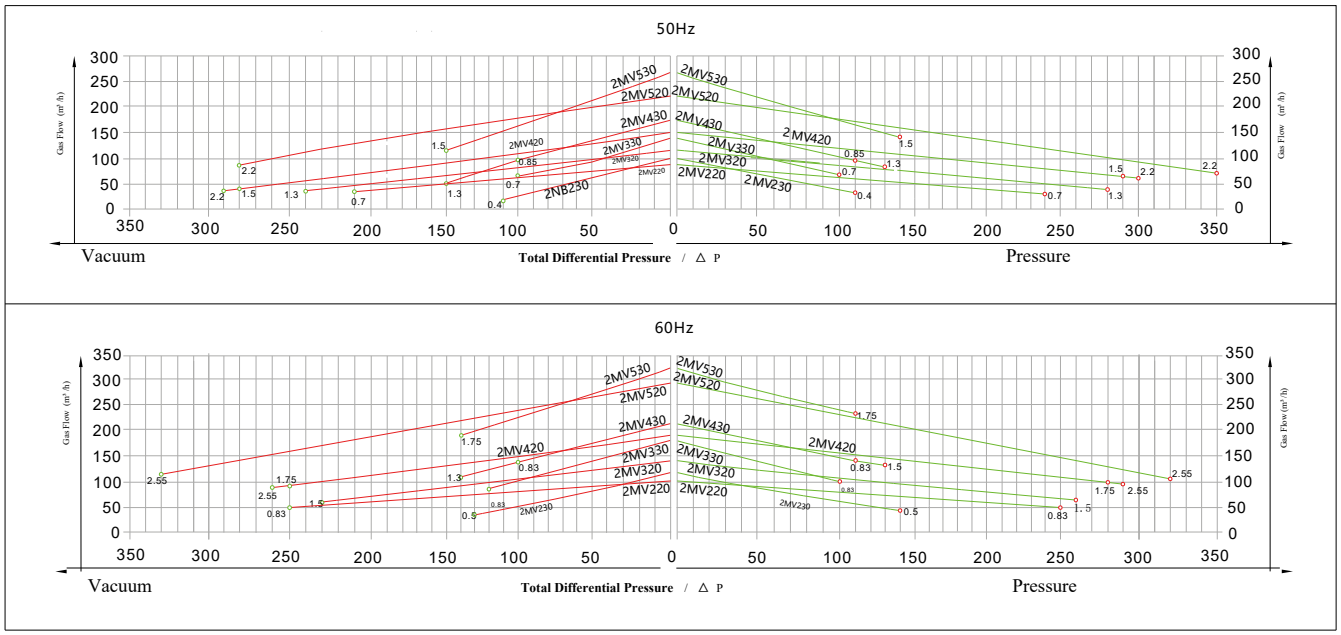
2MV 1AC 230V (IP55 50/60Hz)

Model table and performance parameters of the 2MV 1AC 230V (IP55 50/60 Hz) regenerative blower

Model 2MV-1AC-230V	Nominal Motor Parameters									
	Single-stage	Frequency	Power	Voltage	Current	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double-stageble	Hertz	kW	V	A	m³/hora	Mbar	Mbar	dB (A)	kg
• 2MV 220 A01	Double-stageble	50	0.7	230	4.5	88	-210	240	55	16
		60	0.83	230	5.6	103	-250	250	61	
• 2MV 230 A01	Single-stage	50	0.4	230	2.7	100	-110	110	54	11
		60	0.5	230	3.0	120	-130	140	57	
• 2MV 320 A01	Double-stageble	50	1.3	230	7.6	120	-240	280	58	17
		60	1.5	230	8.8	145	-230	260	60	
• 2MV 330 A01	Single-stage	50	0.7	230	4.5	145	-100	100	56	14
		60	0.83	230	5.8	165	-110	100	58	
• 2MV 420 A01	Double-stageble	50	1.5	230	10.4	150	-280	290	66	26
		60	1.75	230	11.2	180	-250	280	69	
• 2MV 420 A11	Double-stageble	50	2.2	230	12.8	150	-290	300	68	31
		60	2.55	230	12.8	180	-260	290	72	
• 2MV 430 A01	Single-stage	50	0.85	230	5.5	180	-100	110	63	16.5
		60	0.95	230	6.1	210	-100	110	64	
• 2MV 430 A11	Single-stage	50	1.3	230	7.8	180	-150	140	64	17.5
		60	1.5	230	8.8	210	-140	130	66	
• 2MV 520 A01	Double-stageble	50	2.2	230	12.8	230	-280	350	72	35
		60	2.55	230	12.8	275	-330	320	74	
• 2MV 530 A01	Single-stage	50	1.5	230	10.4	270	-150	140	65	26
		60	1.75	230	11.2	330	-120	110	71	

2MV Compression–Vacuum Type Curve 1AC-230V

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between the inlet pressure and ambient conditions at 25 °C.



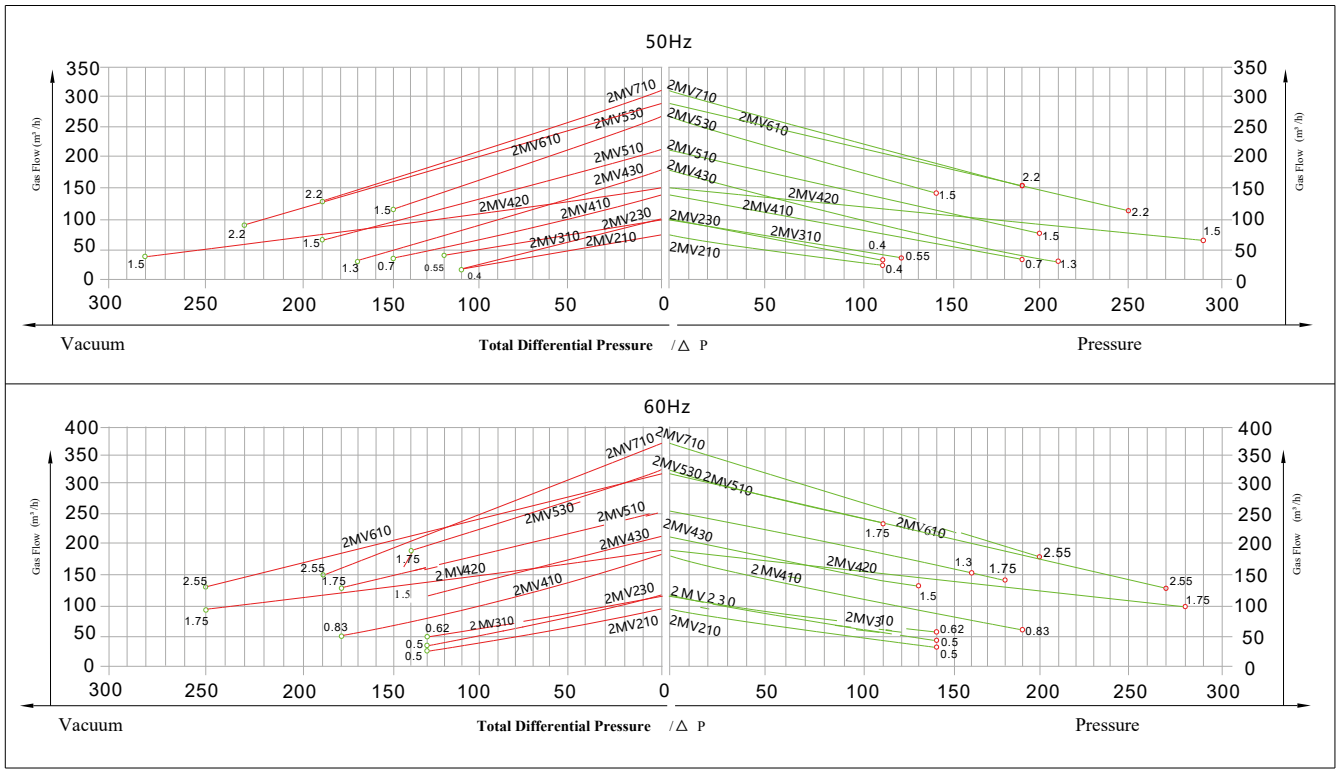
2MV 1AC 115-230V (IP55 50/60Hz)

Model table and performance parameters of the regenerative blower (IP55 50/60Hz)

Model 2MV-1AC-115/230V	Nominal Motor Parameters									
	Single-stage	Frequency	Power	Voltage	Current	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double-stageble	Hertz	kW	V	A	m³/hora	Mbar	Mbar	dB (A)	kg
• 2MV 210 V01	Single-stage	50	0.4	115/230	5.4/2.7	80	-110	110	53	11
		60	0.5	115/230	6.0/3.0	95	-130	140	56	
• 2MV 310 V01	Single-stage	50	0.4	115/230	6.3/2.7	101	-110	110	54	11
		60	0.55	115/230	6.0/3.0	121	-130	140	57	
• 2MV 310 V01	Double-stageble	50	0.55	115/230	6.2/3.1	100	-120	120	56	13
		60	0.62	115/230	7.1/3.8	120	-130	150	59	
• 2MV 410 V01	Single-stage	50	0.7	115/230	9.8/4.7	148	-120	120	63	15
		60	0.83	115/230	11/5.5	190	-140	140	64	
• 2MV 420 V01	Double-stageble	50	1.5	115/230	22/11	150	-250	260	66	27
		60	1.75	115/230	24/12	190	-250	270	69	
• 2MV 430 V11	Single-stage	50	1.3	115/230	17/8.8	180	-170	170	64	16
		60	1.5	115/230	22/11	212	-180	180	65	
• 2MV 510 V01	Single-stage	50	1.5	115/230	22/11	210	-190	190	64	26
		60	1.75	115/230	24/12	255	-180	180	70	
• 2MV 530 V11	Single-stage	50	1.5	115/230	22/11	270	-150	150	65	26
		60	1.75	115/230	24/12	325	-120	120	71	
• 2MV 610 V01	Single-stage	50	2.2	115/230	25/12.8	370	-230	230	64	28
		60	2.55	115/230	25/12.8	315	-250	270	70	
• 2MV 710 V01	Single-stage	50	2.2	115/230	25/12.8	318	-190	190	72	30
		60	2.55	115/230	25/12.8	376	-190	200	74	

2MV Compression–Vacuum Type Curve 1 AC–115/230V

The performance curve is suitable for pumping air at an inlet flange temperature of 15 °C and an air pressure of 1,103 mbar ±10%. The total pressure difference is effective at 25 °C under inlet air and ambient temperature conditions.



2MV2 3AC (IP55 50/60Hz)

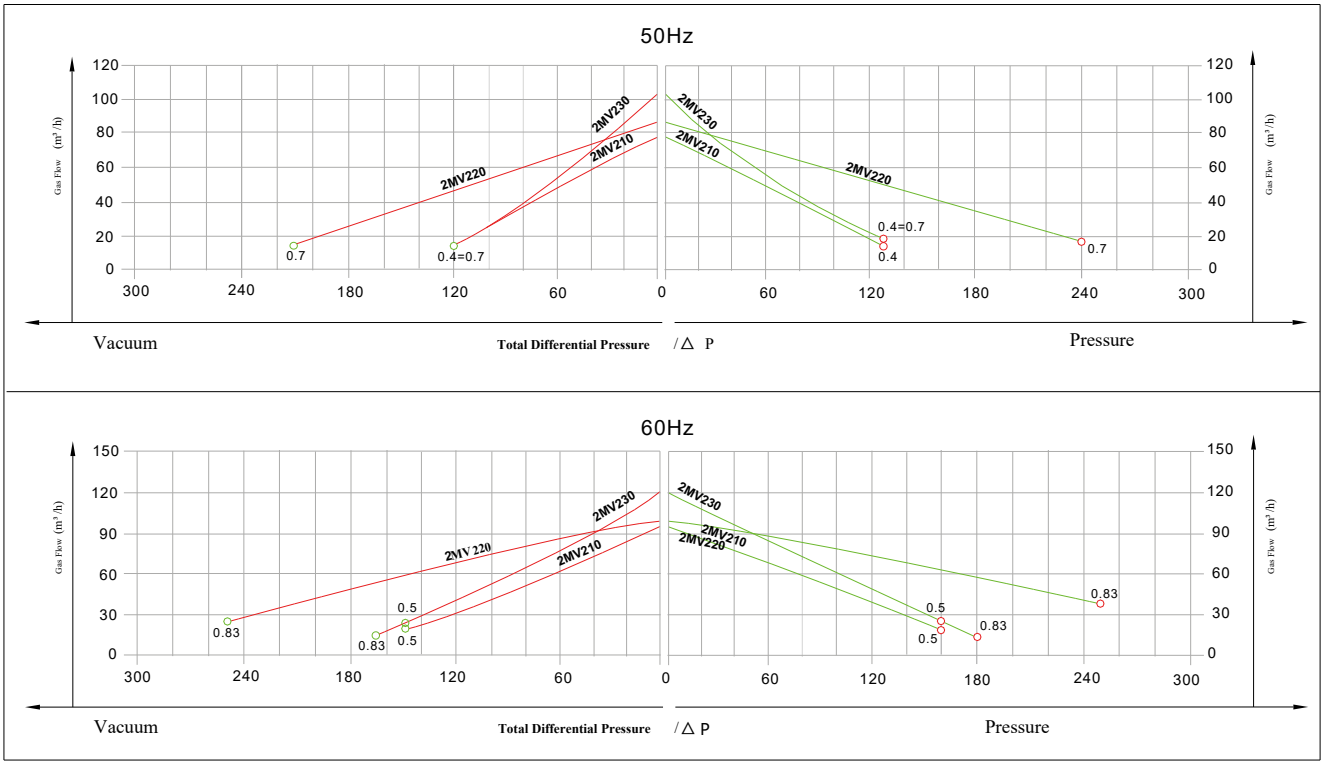
Model table and performance parameters of the regenerative blower (IP55 50/60Hz)



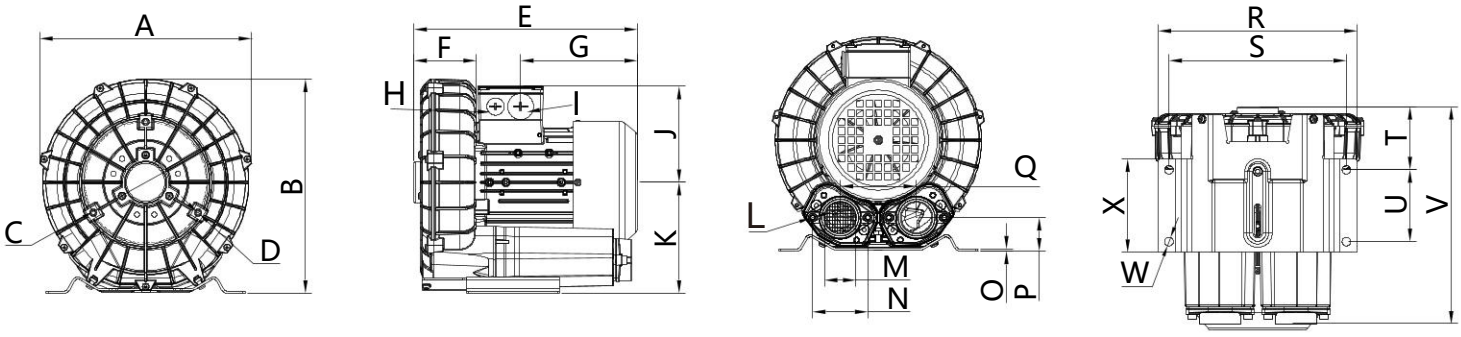
Model 2MV2-3AC	Nominal Motor Parameters										
	Single	Frequency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d (A)	kg
• 2MV 210 H16	Single-stage	50	0.4	200-240Δ	345-415Y	2.6 Δ /1.5 Y	80	-120	130	53	10
		60	0.5	220-275Δ	380-480Y	2.6 Δ /1.5 Y	80	-120	130	53	
• 2MV 220 H26	Double-stageble	50	0.7	200-240Δ	345-415Y	3.8 Δ /2.2 Y	85	-210	240	55	15
		60	0.83	220-275Δ	380-480Y	3.75 Δ /2.15 Y	102	-250	250	61	
• 2MV 230 H16	Single-stage	50	0.4	200-240Δ	345-415Y	2.6 Δ/1.5 Y	105	-120	130	54	11
		60	0.5	220-275Δ	380-480Y	2.6 Δ/1.5 Y	120	-150	160	57	
• 2MV 230 H26	Single-stage	50	0.7	200-240Δ	345-415Y	3.8 Δ/2.2 Y	105	-120	140	54	12
		60	0.83	220-275Δ	380-480Y	3.8 Δ/2.2 Y	120	-160	180	57	

2MV2 Compression–Vacuum Type Curve 1ACC-115/230V

The performance curve is suitable for pumping air at 15 °C with an air pressure of 1,103 mbar ±10% at the inlet port. The total pressure difference is effective up to an inlet and ambient temperature of 25 °C.

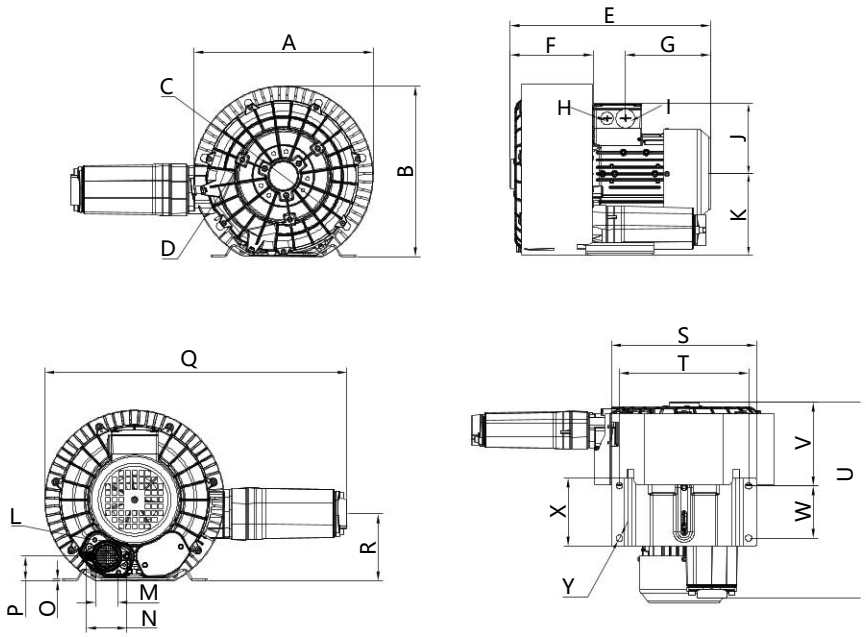


Mounting dimensions of a single-stage 2MV 210/230



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 210 H16	3~	245	247	140	M6X15	258	72	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	73	83	251	10	108
2MV 230 H16	3~	245	247	140	M6X15	267	81	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	81	83	260	10	108
2MV 230 H26	3~	245	247	140	M6X15	267	81	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	81	83	260	10	108
2MV 210 A01	1~	245	247	140	M6X15	258	72	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	73	83	251	10	108
2MV 230 A01	1~	245	247	140	M6X15	267	81	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	81	83	260	10	108
2MV 210 V01	1~	245	247	140	M6X15	258	72	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	73	83	251	10	108
2MV 230 V01	1~	245	247	140	M6X15	267	81	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	88	230	205	81	83	260	10	108

Mounting dimensions of the double-stage 2MV 220



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 220 H26	3~	284	270	140	M6X15	318	132	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	479	106	230	205	311	133	83	108	10
2MV 220 A01	1~	284	270	140	M6X15	318	132	135	M16X1.5	M32X1.5	111	128	M6X17	G1 1/4	64	2.5	39	479	106	230	205	311	133	83	108	10

2MV3 3AC (IP55 50/60 Hz)

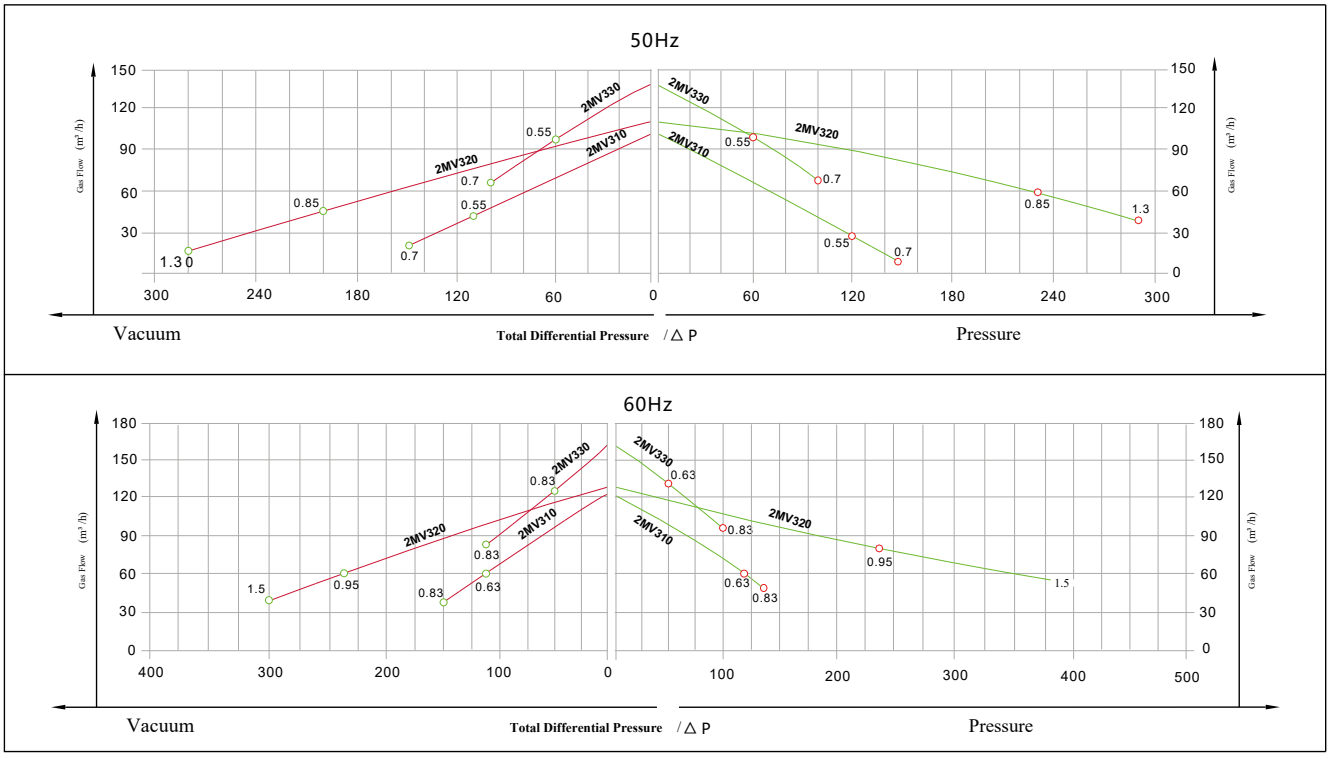
Model table and performance parameters of the regenerative blower (IP55 50/60 Hz)



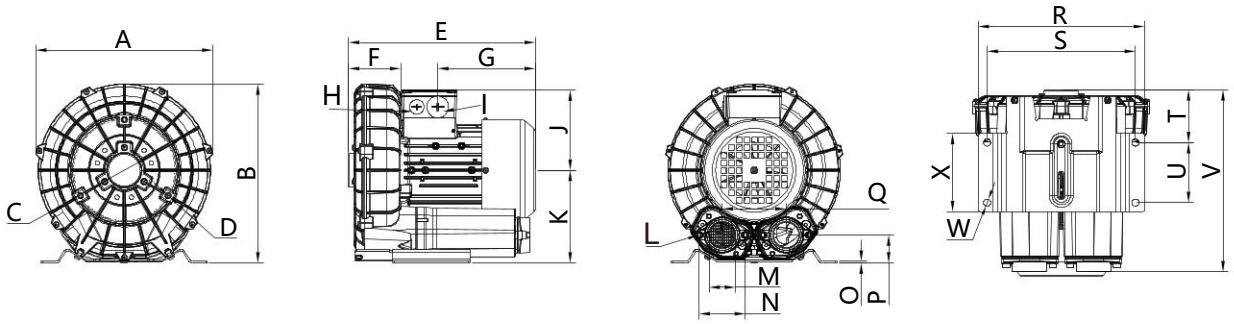
Model 2MV3-3AC	Nominal Motor Parameters										
	Single	Frequency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 310 H06	Single-stage	50	0.55	200-240Δ	345-415Y	2.8 Δ /1.6 Y	100	-110	120	55	11
		60	0.63	220-275Δ	380-480Y	3.0 Δ /1.7 Y	120	-110	120	57	
• 2MV 310 H16	Single-stage	50	0.7	200-240Δ	345-415Y	3.8 Δ /2.2 Y	100	-150	150	55	12
		60	0.83	220-275Δ	380-480Y	3.8 Δ /2.2 Y	120	-150	140	57	
• 2MV 330 H06	Single-stage	50	0.55	200-240Δ	345-415Y	2.8 Δ/1.6 Y	140	-60	60	56	12
		60	0.63	220-275Δ	380-480Y	3.0 Δ/1.7 Y	165	-50	50	58	
• 2MV 330 H16	Single-stage	50	0.7	200-240Δ	345-415Y	3.8 Δ/2.2 Y	140	-100	100	56	13
		60	0.83	220-275Δ	380-480Y	3.8 Δ/2.2 Y	165	-115	100	58	
• 2MV 320 H26	Double-stageble	50	0.85	200-240Δ	345-415Y	4.2 Δ/2.4 Y	110	-200	230	58	17
		60	0.95	220-275Δ	380-480Y	4.0 Δ/2.3 Y	130	-240	240	60	
• 2MV 320 H36	Double-stageble	50	1.3	200-240Δ	345-415Y	5.7 Δ/3.3 Y	110	-280	290	58	18
		60	1.5	220-275Δ	380-480Y	6.0 Δ/3.5 Y	130	-300	400	60	

2MV3 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

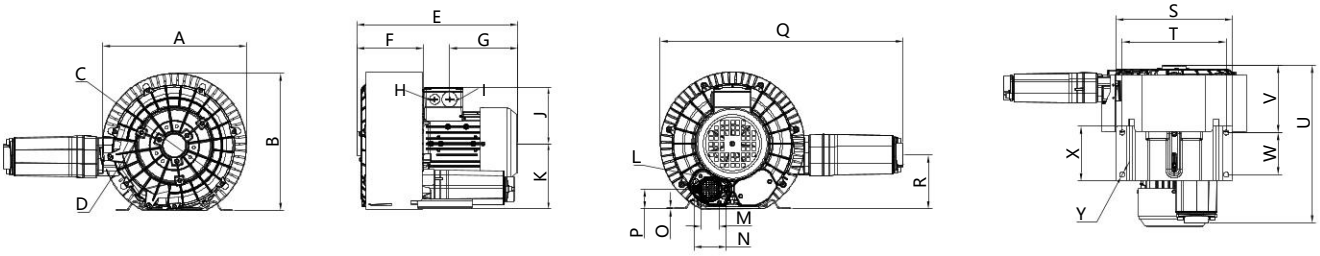


Mounting dimensions of a single-stage 2MV 310/3300



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 310 H06	3~	267	271	160	M6X15	261	75	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	69	83	254	10	108
2MV 310 H16	3~	267	271	160	M6X15	261	75	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	69	83	254	10	108
2MV 330 H06	3~	267	271	160	M6X15	276	90	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	84	83	269	10	108
2MV 330 H16	3~	267	271	160	M6X15	276	90	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	84	83	269	10	108
2MV 310 A01	1~	267	271	160	M6X15	261	75	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	69	83	254	10	108
2MV 310 A11	1~	267	271	160	M6X15	261	75	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	69	83	254	10	108
2MV 330 A01	1~	267	271	160	M6X15	276	90	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	84	83	269	10	108
2MV 310 V01	1~	267	271	160	M6X15	261	75	135	M16X1.5	M32X1.5	111	140	M6X17	G1¼	64	2.5	40	93	230	205	69	83	254	10	108

Mounting dimensions of the double-stage 2MV 320



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 320 H26	3~	296	289	160	M6X15	354	144	159	M16X1.5	M32X1.5	120	140	M6X17	G1¼	64	2.5	40	492	112	230	205	323	138	83	108	10
2MV 320 H36	3~	296	289	160	M6X15	354	144	159	M16X1.5	M32X1.5	120	140	M6X17	G1¼	64	2.5	40	492	112	230	205	323	138	83	108	10
2MV 320 A01	1~	296	289	160	M6X15	354	144	159	M16X1.5	M32X1.5	120	140	M6X17	G1¼	64	2.5	40	492	112	230	205	323	138	83	108	10

2MV4 3AC (IP55 50/60 Hz)

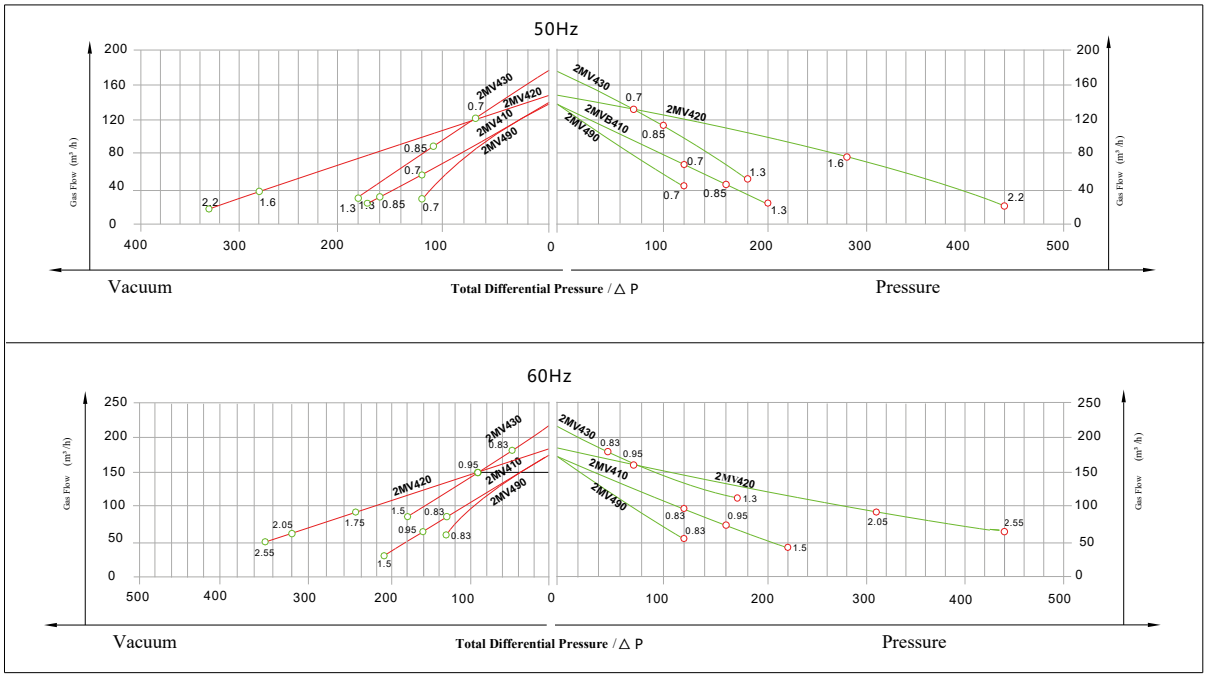
Model table and performance parameters of the regenerative blower (IP55 50/60 Hz)



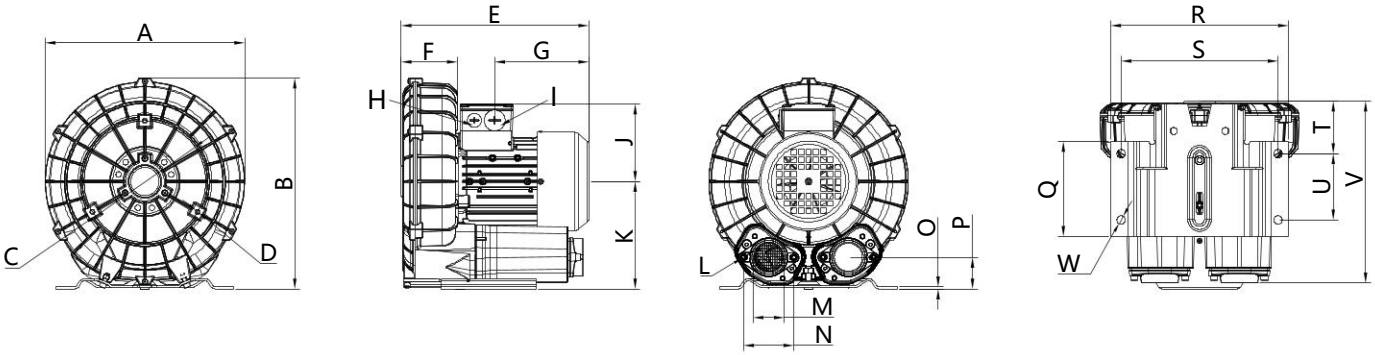

Model 2MV4-3AC	Nominal Motor Parameters										
	Single	Frecuency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kiw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 410 H06	Single-stage	50	0.7	200-240Δ	345-415Y	3.8 Δ /2.2 Y	145	-120	120	63	15
		60	0.83	220-275Δ	380-480Y	3.75 Δ /2.15 Y	175	-140	140	64	
• 2MV 410 H16	Single-stage	50	0.85	200-240Δ	345-415Y	4.0 Δ /2.3 Y	145	-160	160	63	17
		60	0.95	220-275Δ	380-480Y	3.85 Δ /2.25 Y	175	-160	160	64	
• 2MV 410 H26	Single-stage	50	1.3	200-240Δ	345-415Y	5.7 Δ/3.3 Y	145	-170	200	63	18
		60	1.5	220-275Δ	380-480Y	6.0 Δ/3.5 Y	175	-210	220	64	
• 2MV 430 H06	Single-stage	50	0.7	200-240Δ	345-415Y	3.8 Δ/2.2 Y	180	-70	70	64	14
		60	0.83	220-275Δ	380-480Y	3.8 Δ/2.2 Y	210	-50	50	65	
• 2MV 430 H16	Single-stage	50	0.85	200-240Δ	345-415Y	4.2 Δ/2.4 Y	180	-110	100	64	17
		60	0.95	220-275Δ	380-480Y	4.0 Δ/2.3 Y	210	-90	70	65	
• 2MV 430 H26	Single-stage	50	1.3	200-240Δ	345-415Y	6.6 Δ/3.8 Y	180	-180	180	64	18
		60	1.5	220-275Δ	380-480Y	6.9 Δ/4.0 Y	210	-180	170	65	
• 2MV 490 H06	Single-stage	50	0.7	200-240Δ	345-415Y	2.5 Δ/1.4 Y	140	-120	120	63	14
		60	0.83	220-275Δ	380-480Y	2.7 Δ/1.6 Y	175	-140	140	64	
• 2MV 420 H36	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5 Δ/4.3 Y	150	-280	280	66	25
		60	2.05	220-275Δ	380-480Y	7.6 Δ/4.4 Y	180	-320	310	69	
• 2MV 420 H46	Double-stageble	50	2.2	200-240Δ	345-415Y	9.7 Δ/5.6Y	150	-330	420	66	27
		60	2.55	220-275Δ	380-480Y	10 Δ/5.8 Y	180	-350	440	69	

2MV4 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

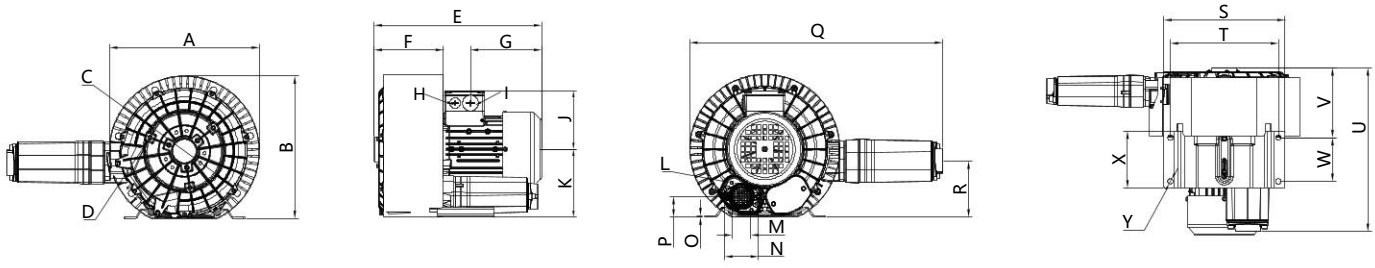


Mounting dimensions of a single-stage 2MV 410/430



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 410 H06	3~	286	302	174	M6X15	269	81	135	M16X1.5	M32X1.5	111	154	M6X17	G1 1/2	72	3	46	136	255	225	75	95	261	12
2MV 410 H16	3~	286	302	174	M6X15	294	81	159	M16X1.5	M32X1.5	120	154	M6X17	G1 1/2	72	3	46	136	255	225	75	95	261	12
2MV 410 H26	3~	286	302	174	M6X15	294	81	159	M16X1.5	M32X1.5	120	154	M6X17	G1 1/2	72	3	46	136	255	225	75	95	261	12
2MV 430 H06	3~	286	302	174	M6X15	284	96	135	M16X1.5	M32X1.5	111	154	M6X17	G1 1/2	72	3	46	136	255	225	91	95	276	12
2MV 430 H16	3~	286	302	174	M6X15	309	96	159	M16X1.5	M32X1.5	120	154	M6X17	G1 1/2	72	3	46	136	255	225	91	95	276	12
2MV 430 H26	3~	286	302	174	M6X15	309	96	159	M16X1.5	M32X1.5	120	154	M6X17	G1 1/2	72	3	46	136	255	225	91	95	276	12
2MV 490 H06	3~	286	302	174	M6X15	269	81	135	M16X1.5	M32X1.5	111	154	M6X17	G1 1/2	72	3	46	136	255	225	75	95	261	12
2MV 410 A01	1~	286	302	174	M6X15	269	81	135	M16X1.5	M32X1.5	111	154	M6X17	G11/2	72	3	46	136	255	225	75	95	261	12
2MV 410 A11	1~	286	302	174	M6X15	294	81	159	M16X1.5	M32X1.5	120	154	M6X17	G11/2	72	3	46	136	255	225	75	95	261	12
2MV 410 A21	1~	286	302	174	M6X15	294	81	159	M16X1.5	M32X1.5	120	154	M6X17	G11/2	72	3	46	136	255	225	75	95	261	12
2MV 430 A01	1~	286	302	174	M6X15	309	96	159	M16X1.5	M32X1.5	120	154	M6X17	G11/2	72	3	46	136	255	225	91	95	276	12
2MV 430 A11	1~	286	302	174	M6X15	309	96	159	M16X1.5	M32X1.5	120	154	M6X17	G11/2	72	3	46	136	255	225	91	95	276	12
2MV 410 V01	1~	286	302	174	M6X15	269	81	135	M16X1.5	M32X1.5	111	154	M6X17	G11/2	72	3	46	136	255	225	75	95	261	12

Mounting dimensions of the double-stage 2MV 420



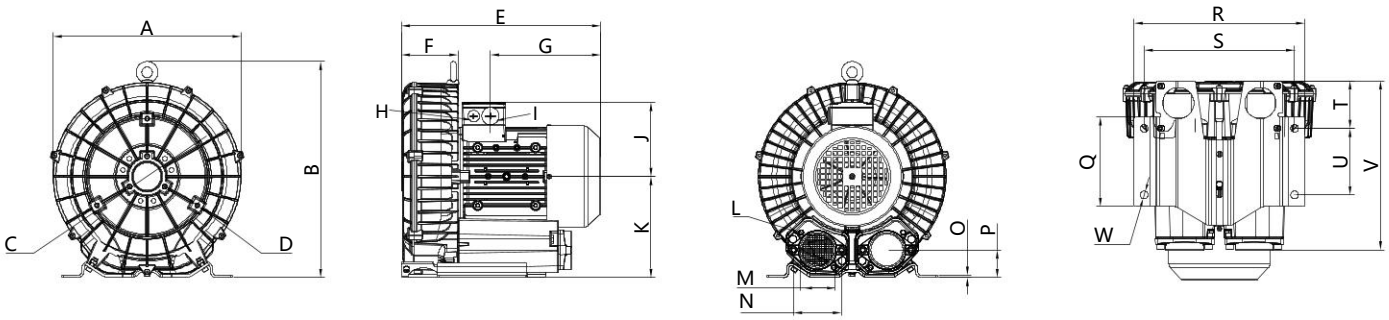
Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 420 H36	3~	317	315	174	M6X15	401	158	191	M16X1.5	M32X1.5	128	154	M6X17	G1 1/2	72	3	46	503	153	255	225	337	150	95	136	12
2MV 420 H46	3~	317	315	174	M6X15	401	158	191	M16X1.5	M32X1.5	128	154	M6X17	G1 1/2	72	3	46	503	153	255	225	337	150	95	136	12
2MV 420 A01	1~	317	315	174	M6X15	428	158	217	M16X1.5	M32X1.5	128	154	M6X17	G1 1/2	72	3	46	503	153	255	225	337	150	95	136	12
2MV 420 A11	1~	317	315	174	M6X15	428	158	217	M16X1.5	M32X1.5	128	154	M6X17	G1 1/2	72	3	46	503	153	255	225	337	150	95	136	12
2MV 420 V01	1~	317	315	174	M6X15	428	158	217	M16X1.5	M32X1.5	128	154	M6X17	G1 1/2	72	3	46	503	153	255	225	337	150	95	136	12

2MV5 3AC (IP55 50/60 Hz)

Model table and performance parameters of the side channel blower (IP55 50/60 Hz)

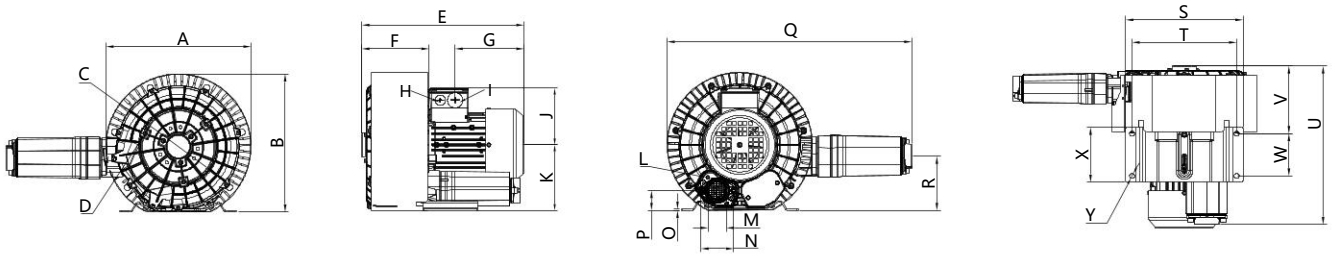
Model 2MV5-3AC	Nominal Motor Parameters										
	Single	Frecuency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 510 H06	Single-stage	50	0.85	200-240Δ	345-415Y	4.2 Δ /2.3 Y	210	-110	100	64	20
		60	0.95	220-275Δ	380-480Y	4.0 Δ /2.3 Y	255	-80	70	70	
• 2MV 510 H16	Single-stage	50	1.3	200-240Δ	345-415Y	6.6 Δ /3.8 Y	210	-170	170	64	22
		60	1.5	220-275Δ	380-480Y	6.9 Δ /4.0 Y	255	-150	140	70	
• 2MV 510 H26	Single-stage	50	1.6	200-240Δ	345-415Y	7.5 Δ/4.3 Y	210	-200	190	64	23
		60	2.05	220-275Δ	380-480Y	7.6 Δ/4.4 Y	255	-220	210	70	
• 2MV 510 H36	Single-stage	50	2.2	200-240Δ	345-415 Y	9.7 Δ/5.6 Y	210	-220	270	64	26
		60	2.55	220-275Δ	380-480Y	10.3 Δ/6.0 Y	255	-260	290	70	
• 2MV 530 H06	Single-stage	50	0.85	200-240Δ	345-415Y	4.0 Δ/2.3 Y	270	-40	40	65	21
		60	0.95	220-275Δ	380-480Y	4.2 Δ/2.4 Y	330	-40	40	70	
• 2MV 530 H16	Single-stage	50	1.3	200-240Δ	345-415Y	6.6 Δ/3.8 Y	270	-120	110	65	23
		60	1.5	220-275Δ	380-480Y	6.9 Δ/4.0 Y	330	-90	80	70	
• 2MV 530 H26	Single-stage	50	1.6	200-240Δ	345-415Y	7.5 Δ/4.3 Y	270	-160	150	65	24
		60	2.05	220-275Δ	380-480Y	7.6 Δ/4.4 Y	330	-160	150	70	
• 2MV 530 H36	Single-stage	50	2.2	200-240Δ	345-415Y	9.7 Δ/5.6 Y	270	-220	230	65	26
		60	2.55	220-275Δ	380-480Y	10.3 Δ/6 Y	330	-260	250	71	
• 2MV 590 H06	Single-stage	50	0.85	200-240Δ	345-415Y	4.0 Δ/2.3Y	210	-130	150	65	23
		60	0.95	220-275Δ	380-480Y	4.2 Δ/2.4 Y	255	-180	210	71	
• 2MV 520 H36	Double-stageble	50	2.2	200-240Δ	345-415Y	9.7 Δ/5.6 Y	230	-290	360	72	35
		60	2.55	220-275Δ	380-480Y	10.3 Δ/6.0Y	275	-350	330	74	
• 2MV 520 H46	Double-stageble	50	3	200-240Δ	345-415Y	12.5 Δ/7.2 Y	230	-340	410	72	40
		60	3.45	220-275Δ	380-480Y	12.6 Δ/7.3 Y	275	-380	360	74	
• 2MV 520 H57	Double-stageble	50	4	345-415Δ	600-720Y	10 Δ/5.8Y	230	-390	490	72	41
		60	4.6	380-480Δ	660-720Y	9.9 Δ/5.71 Y	275	-410	480	74	

Mounting dimensions of a single-stage 2MV 510/530



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 510 H06	3~	334	374	200	M8X20	313	98	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 H16	3~	334	374	200	M8X20	313	98	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 H26	3~	334	374	200	M8X20	345	98	191	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 H36	3~	334	374	200	M8X20	345	98	191	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 530 H06	3~	334	374	200	M8X20	334	118	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	101	115	314	14
2MV 530 H16	3~	334	374	200	M8X20	334	118	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	101	115	314	14
2MV 530 H26	3~	334	374	200	M8X20	365	118	191	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	101	115	314	14
2MV 530 H31	3~	334	374	200	M8X20	365	118	191	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	314	14
2MV 590 H06	3~	334	374	200	M8X20	334	118	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	101	115	293	14
2MV 510 A01	1~	334	374	200	M8X20	313	98	159	M16X1.5	M25X1.5	120	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 A11	1~	334	374	200	M8X20	371	98	217	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 A21	1~	334	374	200	M8X20	371	98	217	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 510 V01	1~	334	374	200	M8X20	371	98	217	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	82	115	293	14
2MV 530 V01	1~	334	374	200	M8X20	391	118	217	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	155	295	260	101	115	314	14

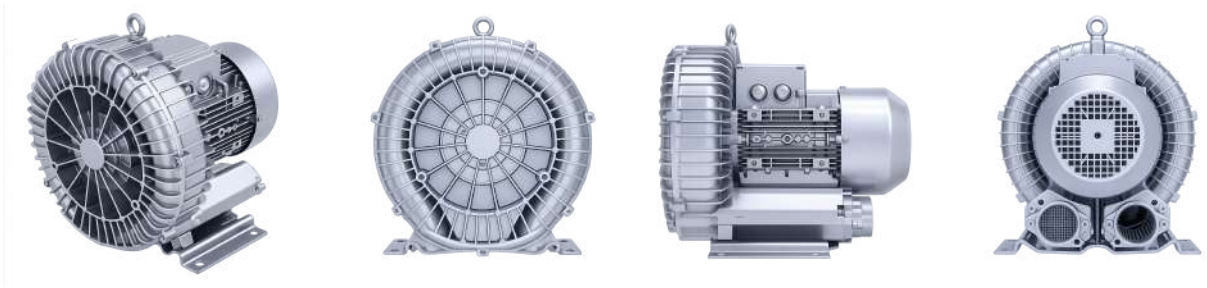
Mounting dimensions of the double-stage 2MV 520



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 520 H37	3~	370	374	200	M8X15	430	183	190	M16X1.5	M25X1.5	128	175	M8X17	G2	83	4	48	594	144	295	260	379	171	115	155	14
2MV 520 H47	3~	370	374	200	M8X15	462	183	188	M32X1.5	M32X1.5	135	175	M8X17	G2	83	4	48	594	144	295	260	379	171	115	155	14
2MV 520 H57	3~	370	374	200	M8X15	499	183	225	M32X1.5	M32X1.5	135	175	M8X17	G2	83	4	48	594	144	295	260	379	171	115	155	14
2MV 520 A01	1~	370	374	200	M8X15	457	183	217	M32X1.5	M32X1.5	135	175	M8X17	G2	83	4	48	594	144	295	260	379	171	115	155	14

2MV6 3AC (IP55 50/60 Hz)

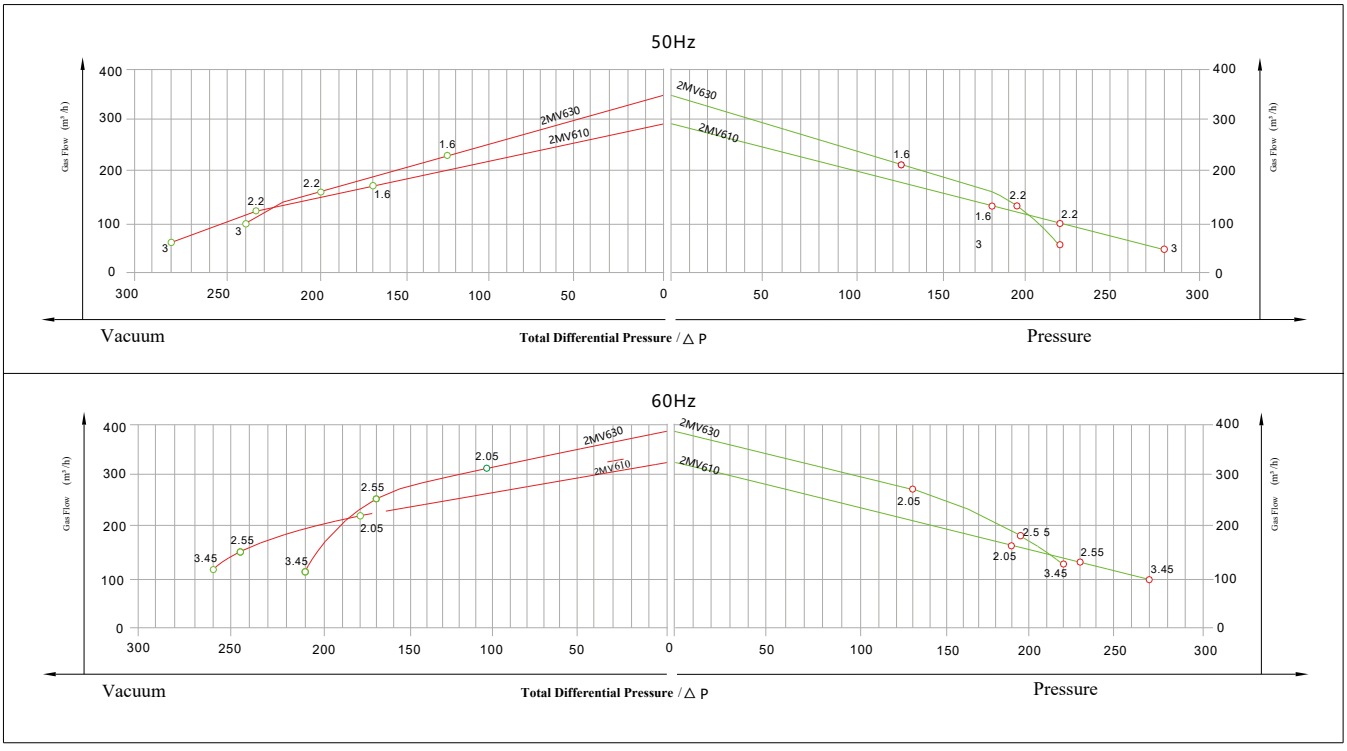
Model table and performance parameters of the side channel blower (IP55 50/60 Hz)



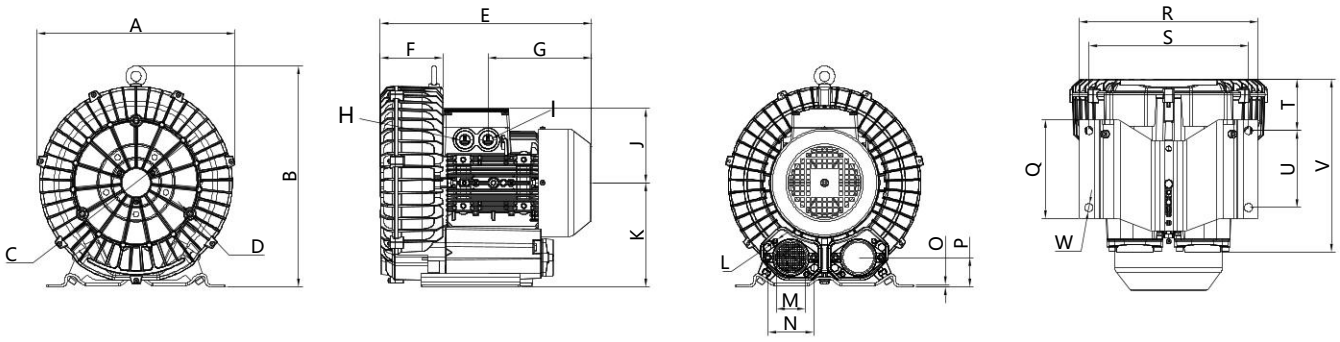
Model 2MV6-3AC	Nominal Motor Parameters										
	Single	Frequency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d (A)	kg
• 2MV 610 H06	Single-stage	50	1.6	200-240Δ	345-415Y	8.5 Δ /4.9 Y	265	-170	180	67	24
		60	2.05	220-275Δ	380-480Y	8.8 Δ /5.5 Y	315	-180	190	70	
• 2MV 610 H16	Single-stage	50	2.2	200-240Δ	345-415Y	9.7 Δ /5.6 Y	265	-235	220	67	27
		60	2.55	220-275Δ	380-480Y	10.3 Δ /6.0 Y	315	-245	230	70	
• 2MV 610 H26	Single-stage	50	3	200-240Δ	345-415Y	12.5 Δ/7.2 Y	270	-280	280	69	32
		60	3.45	220-275Δ	380-480Y	12.6 Δ/7.3 Y	315	-260	270	78	
• 2MV 630 H06	Single-stage	50	1.6	200-240Δ	345-415Y	8.5 Δ/4.9 Y	345	-125	125	70	26
		60	2.05	220-275Δ	380-480Y	8.8 Δ/5.1 Y	415	-105	130	73	
• 2MV 630 H16	Single-stage	50	2.2	200-240Δ	345-415Y	9.7 Δ/5.6 Y	345	-200	195	70	29
		60	2.55	220-275Δ	380-480Y	10.3 Δ/6.0 Y	415	-170	195	73	
• 2MV 630 H26	Single-stage	50	3	200-240Δ	345-415Y	12.5 Δ/7.2 Y	345	-240	220	70	35
		60	3.45	220-275Δ	380-480Y	12.6 Δ/7.3 Y	415	-210	220	73	

2MV6 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.



Mounting dimensions of a single-stage 2MV 610/630



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 610 H06	3~	359	401	226	M8X20	353	114	190	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	93	140	314	15
2MV 610 H16	3~	359	410	226	M8X20	353	114	190	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	93	140	314	15
2MV 610 H26	3~	359	410	226	M8X20	384	114	188	M32X1.5	M32X1.5	135	189	M8X17	G2	83	4.5	53	180	325	290	93	140	314	15
2MV 630 H06	3~	359	410	226	M8X20	372	132	190	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	111	140	332	15
2MV 630 H16	3~	359	410	226	M8X20	372	132	190	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	111	140	332	15
2MV 630 H26	3~	359	410	226	M8X20	402	132	188	M32X1.5	M32X1.5	135	189	M8X17	G2	83	4.5	53	180	325	290	111	140	332	15
2MV 610 A01	1~	359	410	226	M8X20	380	114	217	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	93	140	314	15
2MV 610 V01	1~	359	410	226	M8X20	380	114	217	M16X1.5	M25X1.5	128	189	M8X17	G2	83	4.5	53	180	325	290	93	140	314	15

Regenerative ring blower pressure regulating valve

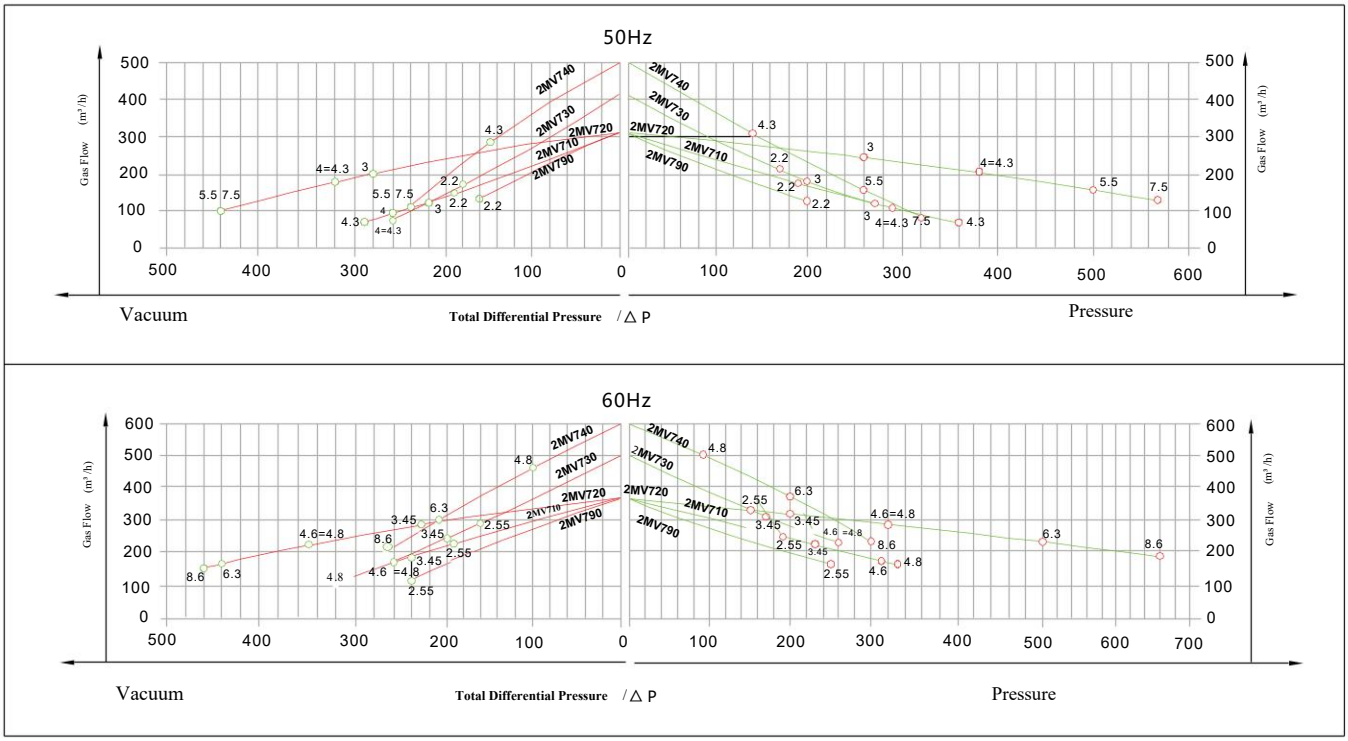
2MV7 3AC (IP55 50/60 Hz)

Model table and performance parameters of the side channel blower (IP55 50/60 Hz)

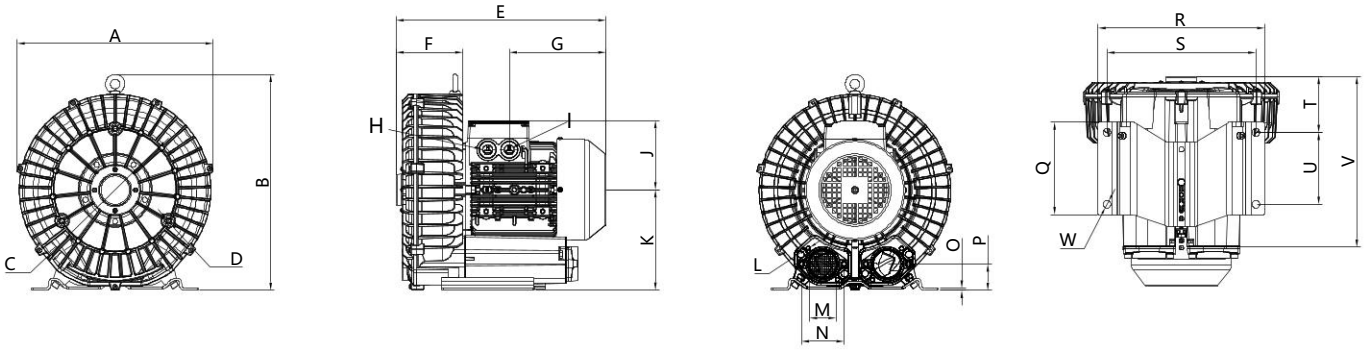
Model 2MV7-3AC	Nominal Motor Parameters										
	Single	Frequency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 710 H16	Single-stage	50	2.2	200-240Δ	345-415Y	9.7 Δ /5.6 Y	318	-190	190	69	31
		60	2.55	220-275Δ	380-480Y	10.3Δ /6.0Y	376	-190	190	72	
• 2MV 710 H26	Single-stage	50	3	200-240Δ	345-415Y	12.5 Δ /7.2Y	318	-260	270	69	36
		60	3.45	220-275Δ	380-480Y	12.6 Δ /7.3Y	376	-240	230	72	
• 2MV 710 H37	Single-stage	50	4	345-415Δ	600-720Y	9.0 Δ/5.2Y	318	-290	360	69	40
		60	4.6	380-480Δ	660-720Y	9.0 Δ/5.5Y	376	-320	310	72	
• 2MV 710 H47	Single-stage	50	4.3	345-415Δ	600-720Y	9.5 Δ/5.5Y	318	-295	335	69	43
		60	4.8	380-480Δ	660-720Y	9.5 Δ/5.5Y	376	-335	335	72	
• 2MV 720 H26	Double-stageble	50	3	200-240Δ	345-415Y	12.5 Δ/ 7.2Y	320	-280	260	73	49
		60	3.45	220-275Δ	380-480Y	12.6 Δ/ 7.3Y	380	-230	200	76	
• 2MV 720 H27	Double-stageble	50	4	345-415Δ	600-720Y	9.0 Δ/5.2Y	320	-335	375	73	53
		60	4.6	380-480Δ	660-720Y	9.4 Δ/5.2Y	380	-345	315	76	
• 2MV 720 H37	Double-stageble	50	4.3	345-415Δ	600-720Y	10 Δ/5.2Y	320	-360	380	73	56
		60	4.8	380-480Δ	660-720Y	10.4 Δ/6 Y	380	-350	320	76	
• 2MV 720 H47	Double-stageble	50	5.5	345-415Δ	600-720Y	13.3 Δ/7.7Y	320	-440	500	73	70
		60	6.3	380-480Δ	660-720Y	13.3 Δ/7.7Y	380	-440	500	76	
• 2MV 720 H57	Double-stageble	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6Y	320	-440	570	73	74
		60	8.6	380-480Δ	660-720Y	17.3 Δ/10Y	280	-460	660	76	
• 2MV 730 H16	Single-stage	50	2.2	200-240Δ	345-415Y	8.8 Δ/5.1Y	420	-180	170	70	32
		60	2.55	220-275Δ	380-480Y	9.7Δ/5.6Y	500	-160	150	73	
• 2MV 730 H26	Single-stage	50	3	200-240Δ	345-415Y	12.5 Δ/7.2Y	420	-220	200	70	37
		60	3.45	220-275Δ	380-480Y	12.6 Δ/7.3Y	500	-200	170	73	
• 2MV 730 H37	Single-stage	50	4	345-415Δ	600-720Y	9.0 Δ/5.2 Y	420	-260	280	70	43
		60	4.6	380-480Δ	660-720Y	9.0 Δ/5.2 Y	500	-260	260	73	
• 2MV 730 H47	Single-stage	50	4.3	345-415Δ	600-720Y	9.5 Δ/5.5Y	420	-260	280	70	44
		60	4.8	380-480Δ	660-720Y	9.5 Δ/5.5Y	500	-260	260	73	
• 2MV 740 H37	Double-stageble	50	4.3	345-415Δ	600-720Y	9.0 Δ/5.2Y	500	-150	140	74	54
		60	4.8	380-480Δ	660-720Y	9.0 Δ/5.2Y	600	-100	90	78	
• 2MV 740 H47	Double-stageble	50	5.5	345-415Δ	600-720Y	13.3 Δ/7.7 Y	500	-240	260	74	69
		60	6.3	380-480Δ	660-720Y	13.3 Δ/7.7 Y	600	-210	200	78	
• 2MV 740 H57	Double-stageble	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6Y	500	-240	320	74	75
		60	8.6	380-480Δ	660-720Y	17.3 Δ/10 Y	600	-270	300	78	
• 2MV 790 H06	Single-stage	50	2.2	200-240Δ	345-415Y	12.5 Δ/7.2Y	320	-160	200	69	36
		60	2.55	220-275Δ	380-480Y	12.6 Δ/7.3 Y	3700	-240	250	72	

2MV7 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

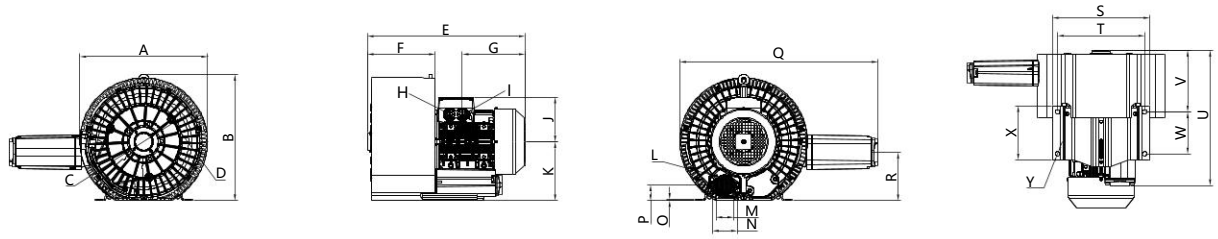


Mounting dimensions of a single-stage 2MV 710/730

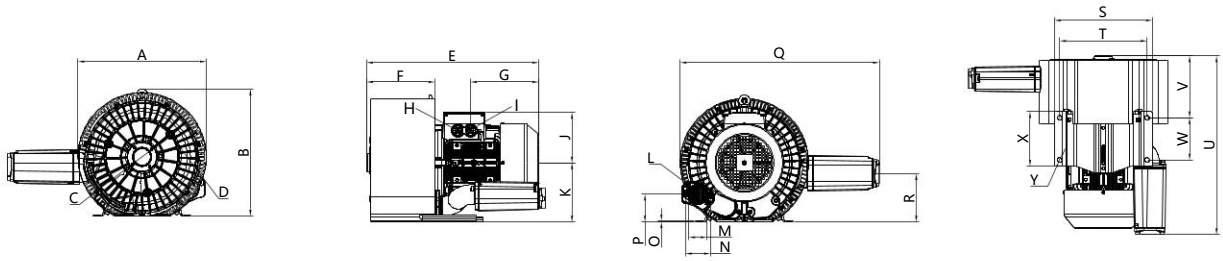


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 710 H16	3~	382	420	240	M10X20	377	130	190	M16X1.5	M25X1.5	128	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15
2MV 710 H26	3~	382	420	240	M10X20	409	130	188	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15
2MV 710 H37	3~	382	420	240	M10X20	446	130	225	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15
2MV 710 H47	3~	382	420	240	M10X20	430	130	209	M32X1.5	M32X1.5	148	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15
2MV 730 H16	3~	382	420	240	M10X20	387	140	191	M16X1.5	M25X1.5	128	195	M8X17	G2	83	4.5	51	180	325	290	118	140	364	15
2MV 730 H56	3~	382	420	240	M10X20	418	140	188	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	180	325	290	118	140	364	15
2MV 730 H37	3~	382	420	240	M10X20	455	140	225	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	180	325	290	118	140	364	15
2MV 730 H47	3~	382	420	240	M10X20	439	140	209	M32X1.5	M32X1.5	148	195	M8X17	G2	83	4.5	51	180	325	290	118	140	364	15
2MV 590 H06	3~	382	420	240	M10X20	387	130	191	M16X1.5	M25X1.5	128	195	M8X17	G2	83	4.5	51	180	325	290	118	140	355	15
2MV 710 A01	1~	382	420	240	M10X20	404	130	217	M16X1.5	M25X1.5	128	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15
2MV 710 V01	1~	382	420	240	M10X20	404	130	217	M16X1.5	M25X1.5	128	195	M8X17	G2	83	4.5	51	180	325	290	109	140	355	15

Mounting dimensions of the double-stage 2MV 720

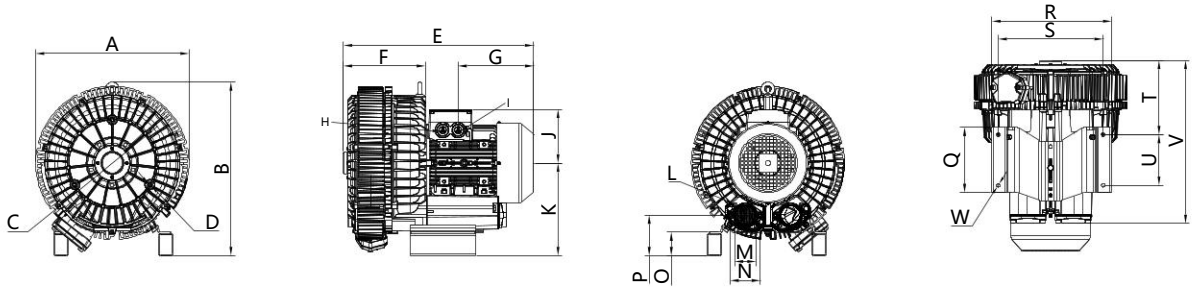


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 720 H26	3~	426	420	240	M10X20	505	226	188	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	661	161	325	290	451	205	15
2MV 720 H27	3~	426	420	240	M10X20	541	226	188	M32X1.5	M32X1.5	135	195	M8X17	G2	83	4.5	51	661	161	325	290	451	205	15
2MV 720 H37	3~	426	420	240	M10X20	526	226	209	M32X1.5	M32X1.5	148	195	M8X17	G2	83	4.5	51	661	161	325	290	451	205	15

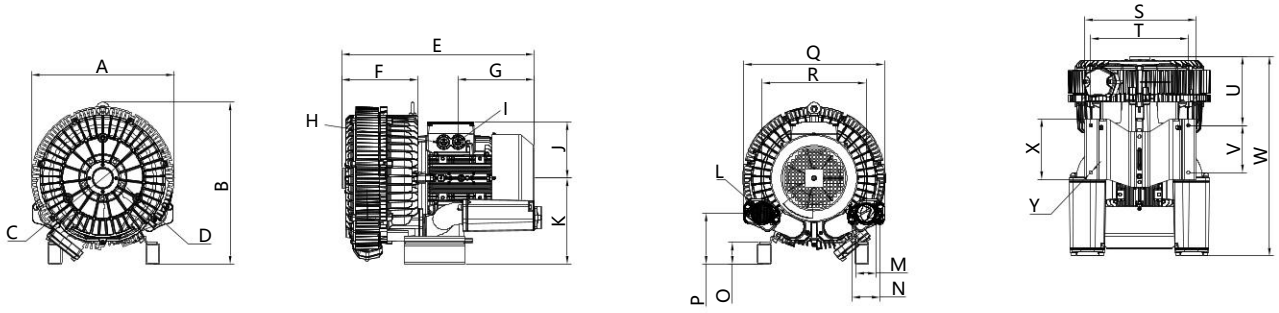


ModeL	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 720 H46	3~	426	420	240	M10X20	571	226	226	M32X1.5	M32X1.5	167	196	M8X17	G2	83	4.5	92	638	161	325	290	593	205	140	180	15
2NB 720 H56	3~	426	420	240	M10X20	571	226	226	M32X1.5	M32X1.5	167	196	M8X17	G2	83	4.5	92	638	161	325	290	593	205	140	180	15

Mounting dimensions of the double-stage 2MV 740/740



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 740 H37	3~	424	480	240	M10X20	525	226	209	M32X1.5	M32X1.5	148	255	M8X17	G2	83	65	111	180	331	290	205	140	450	15



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 740 H47	3~	424	480	240	M12X20	571	226	226	M32X1.5	M32X1.5	167	255	M8X17	G2	83	65	151	417	308	331	290	205	140	593	180	15
2MV 740 H57	3~	424	480	240	M12X20	571	226	226	M32X1.5	M32X1.5	167	255	M8X17	G2	83	65	151	417	308	331	290	205	140	593	180	15

2MV750/7310/5310 3AC

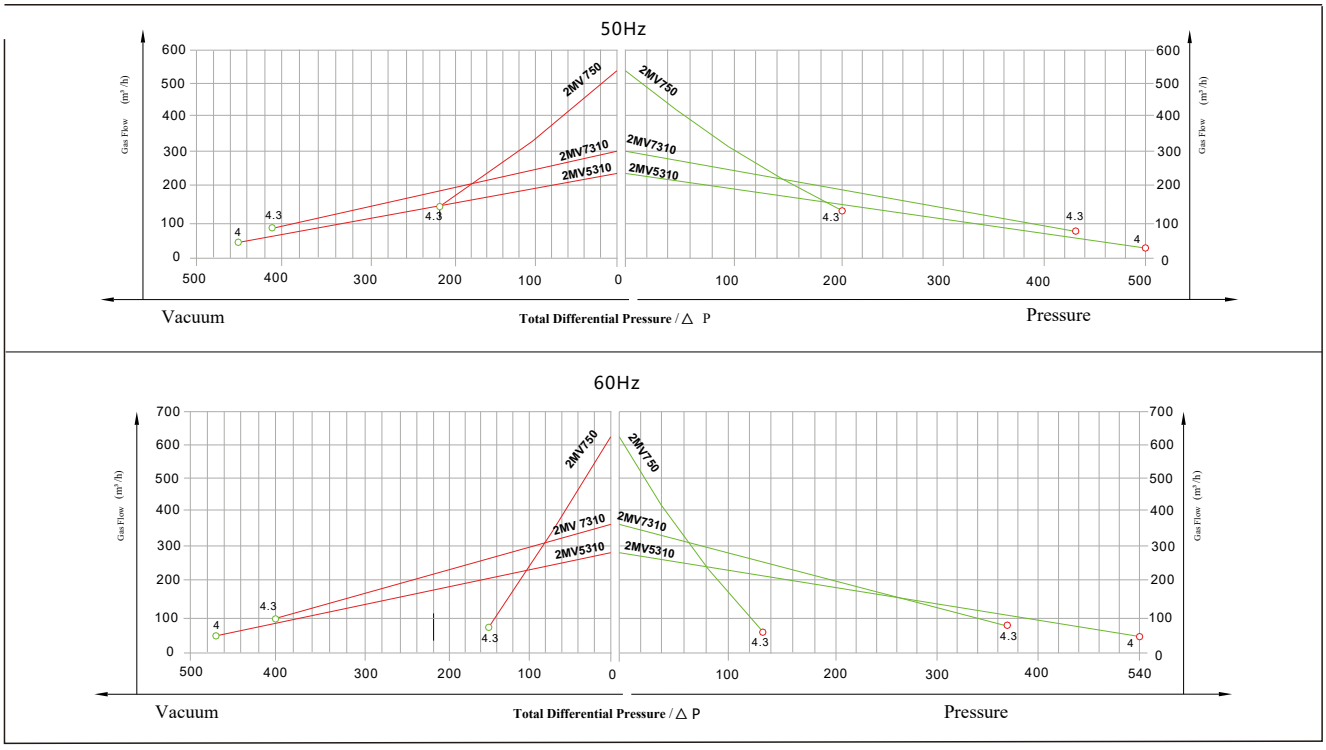
Model table and performance parameters of the regenerative blower (IP55 50/60 Hz)



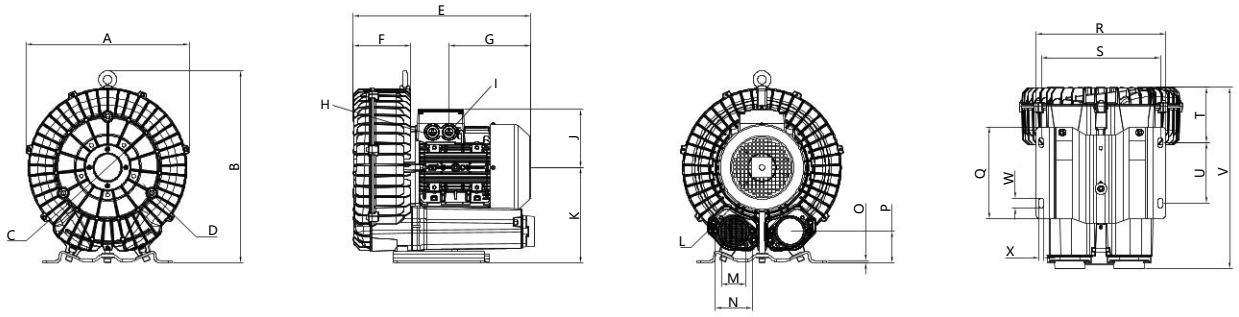
Model 2MV750-3AC	Nominal Motor Parameters										
	Single	Frecuency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 750 H17	Single-stage	50	4.3	345-415Δ	600-720Y	11 Δ /6.5 Y	540	-210	200	83	48
		60	4.8	380-480Δ	660-720Y	12.5 Δ /7.2 Y	635	-150	140	85	
• 2MV 750 H27	Single-stage	50	4.3	345-415Δ	600-720Y	15 Δ /8.5Y	540	-210	200	83	48
		60	4.8	380-480Δ	660-720Y	15.5 Δ /9 Y	635	-150	140	85	
• 2MV 5310 H07	Double-stageble	50	4	345-415Δ	600-720Y	10 Δ/5.8 Y	220	-450	500	73	53
		60	4.6	380-480Δ	660-720Y	10.3 Δ/5.9 Y	280	-470	540	75	
• 2MV 7310 H07	Double-stageble	50	4.3	345-415Δ	600-720Y	10 Δ/5.2 Y	300	-410	430	75	66
		60	4.8	380-480Δ	660-720Y	10.4 Δ/6.0 Y	360	-400	370	78	

2MV750 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

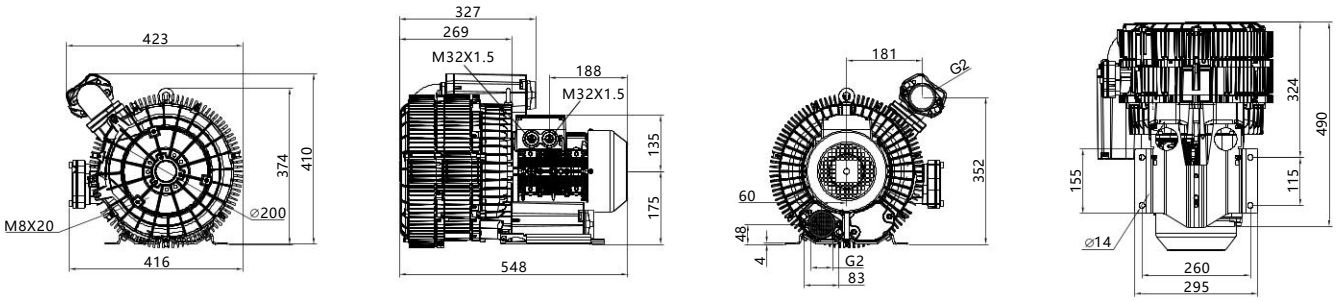


Mounting dimensions of a single-stage 2MV 750

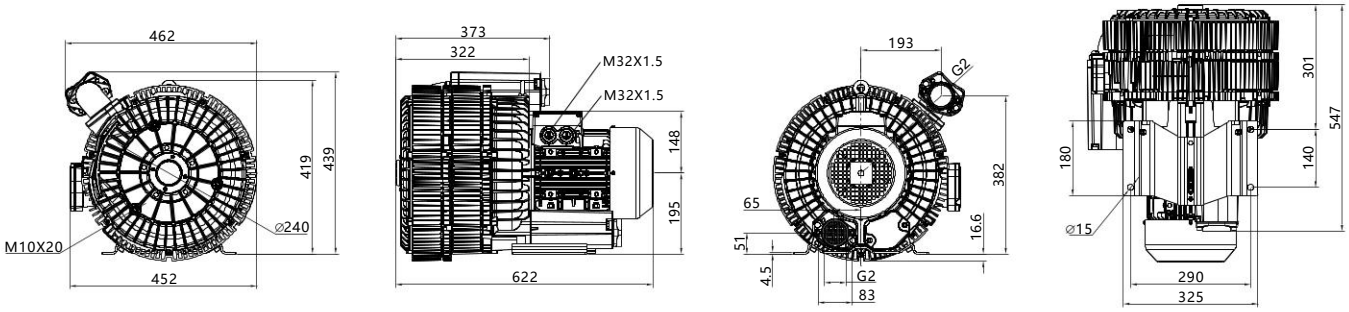


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 750 H17	3~	418	492	262	M12X20	454	147	209	M32X1.5	M32X1.5	148	244	M8X17	G2 1/2	94	6	81	235	332	305	141	155	464	25x12
2MV 750 H27	3~	418	492	262	M12X20	454	147	209	M32X1.5	M32X1.5	148	244	M8X17	G2 1/2	94	6	81	235	332	305	141	155	464	25x12

Mounting dimensions of the three-stage 2MV 5310



Mounting dimensions of the three-stage 2MV 7310



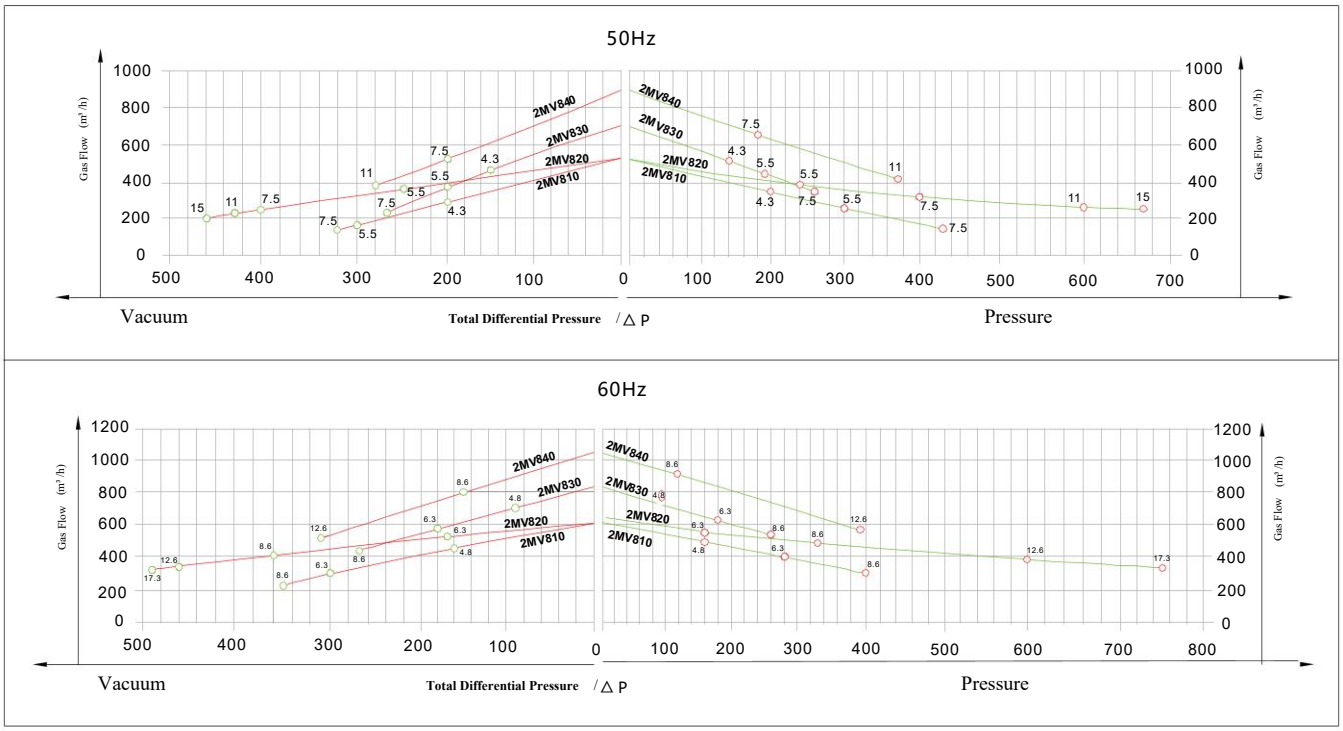
2MV8 Ring Blower 3AC

Model table and performance parameters (IP55 50/60 Hz)

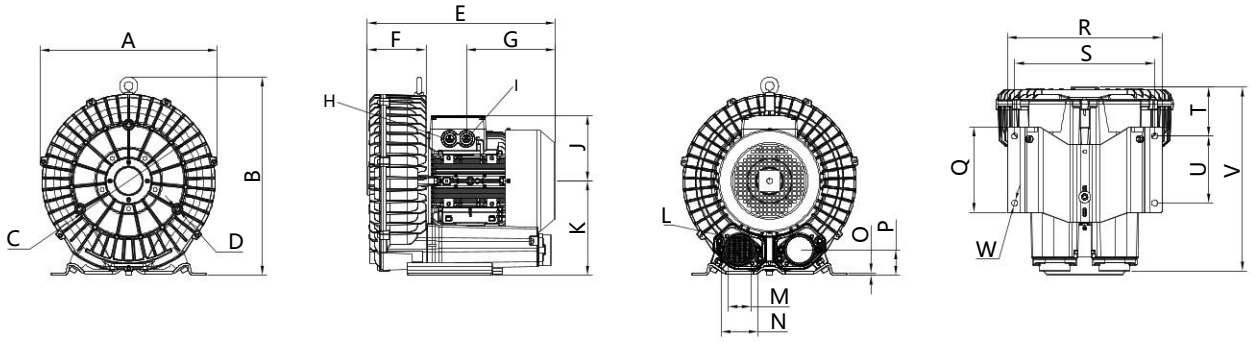
Model 2MV8-3AC	Nominal Motor Parameters										
	Single	Frecuency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	Hertz	Kw	V		A	m³/hora	Mbar	Mbar	d (A)	kg
• 2MV 810 H07	Single-stage	50	4.3	345-415Δ	600-720Y	9.5 Δ /5.5 Y	530	-200	200	70	51
		60	4.6	380-480Δ	660-720Y	9.5 Δ /5.5 Y	620	-160	160	74	
• 2MV 810 H17	Single-stage	50	5.5	345-415Δ	600-720Y	12.9 Δ /7.4 Y	530	-300	320	80	62
		60	6.3	380-480Δ	660-720Y	12.9 Δ /7.45Y	620	-320	340	82	
• 2MV 810 H27	Single-stage	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6Y	530	-320	380	80	65
		60	8.6	380-480Δ	660-720Y	17.3 Δ/10 Y	620	-350	400	82	
• 2MV 820 H17	Double-stageble	50	5.5	345-415Δ	600-720Y	13.3 Δ/7.7 Y	530	-240	240	74	83
		60	6.3	380-480Δ	660-720Y	13.3 Δ/7.7Y	620	-170	160	78	
• 2MV 820 H27	Double-stageble	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6 Y	530	-400	400	74	88
		60	8.6	380-480Δ	660-720Y	17.3 Δ/1.0 Y	620	-360	330	78	
• 2MV 820 H37	Double-stageble	50	11	345-415Δ	600-720Y	28 Δ/16.2 Y	530	-430	660	74	104
		60	12.6	380-480Δ	660-720Y	29 Δ/16.7Y	620	-460	600	78	
• 2MV 820 H47	Double-stageble	50	15	345-415Δ	600-720Y	32.5 Δ/18.8 Y	530	-460	670	74	120
		60	17.3	380-480Δ	660-720Y	34.5 Δ/19.9 Y	620	-490	750	78	
• 2MV 830 H07	Single-stage	50	4.3	345-415Δ	600-720Y	9.5 Δ/5.5 Y	700	-150	140	70	57
		60	4.6	380-480Δ	660-720Y	9.5 Δ/5.5 Y	840	-90	90	74	
• 2MV 830 H17	Single-stage	50	5.5	345-415Δ	600-720Y	12.9 Δ/7.4Y	700	-200	180	70	66
		60	6.3	380-480Δ	660-720Y	12.9 Δ/7.45 Y	840	-180	180	74	
• 2MV 830 H27	Single-stage	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6 Y	700	-270	260	70	69
		60	8.6	380-480Δ	660-720Y	17.3 Δ/10Y	840	-270	260	74	
• 2MV 840 H27	Double-stageble	50	7.5	345-415Δ	600-720Y	16.7 Δ/9.6Y	900	-200	180	74	91
		60	8.6	380-480Δ	660-720Y	17.3 Δ/10Y	1050	-150	120	78	
• 2MV 840 H37	Double-stageble	50	11	345-415Δ	600-720Y	28 Δ/16.2Y	900	-280	370	74	110
		60	12.6	380-480Δ	660-720Y	29 Δ/16.7 Y	1050	-310	350	78	

2MV8 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

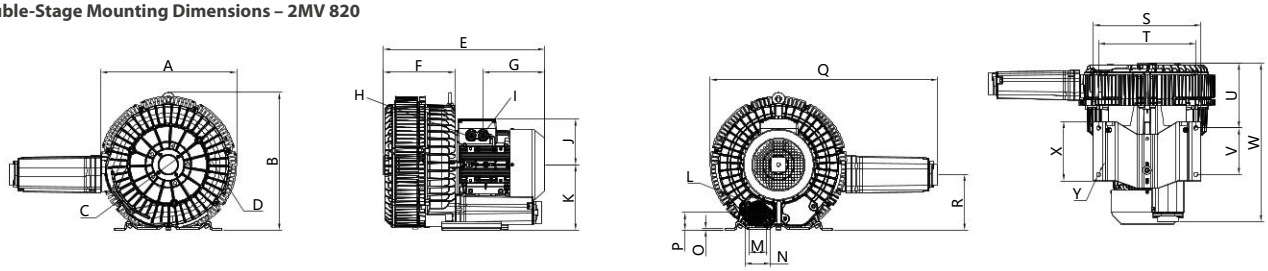


Mounting dimensions of a single-stage 2MV 810/830

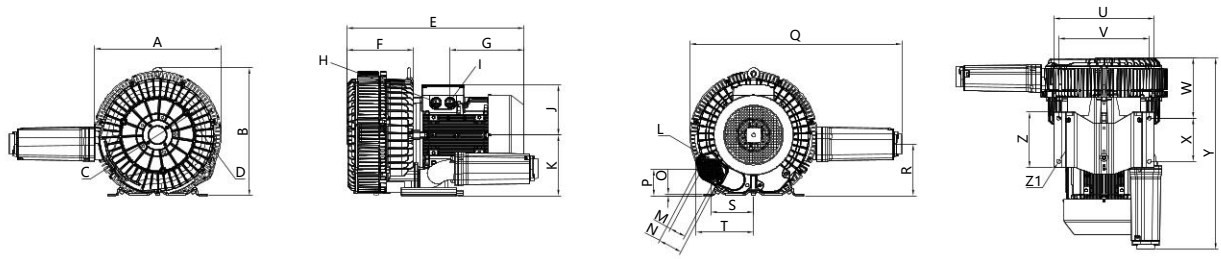


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 810 H07	3~	451	503	286	M10X20	451	149	209	M32X1.5	M32X1.5	148	239	M8X17	G2 1/2	94	6	64	217	394	356	125	170	467	15
2MV 810 H17	3~	451	503	286	M10X20	478	149	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	64	217	394	356	125	170	467	15
2MV 810 H27	3~	451	503	286	M10X20	478	149	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	64	217	394	356	125	170	467	15
2MV 830 H07	3~	451	503	286	M10X20	465	164	209	M32X1.5	M32X1.5	148	239	M8X17	G2 1/2	94	6	64	217	394	356	139	170	481	15
2MV 830 H17	3~	451	503	286	M10X20	492	164	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	64	217	394	356	139	170	481	15
2MV 830 H27	3~	451	503	286	M10X20	492	164	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	64	217	394	356	139	170	481	15

Double-Stage Mounting Dimensions – 2MV 820

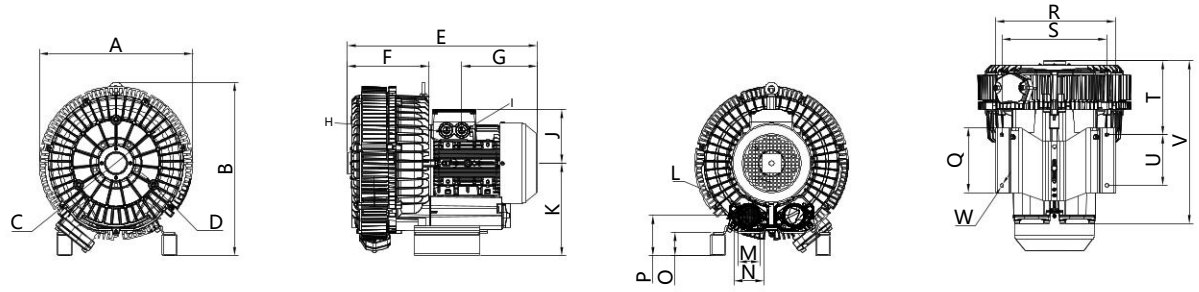


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 820 H17	3~	497	503	286	M12X20	590	262	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	65	832	202	394	356	237	170	579	217	15
2MV 820 H27	3~	497	503	286	M12X20	590	262	226	M32X1.5	M32X1.5	167	239	M8X17	G2 1/2	94	6	65	832	202	394	356	237	170	579	217	15

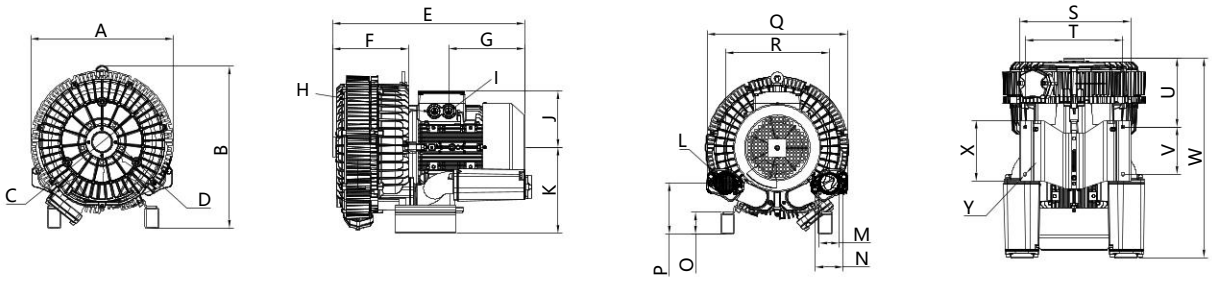


Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
2MV 820 H37	3~	497	503	286	M12X20	695	262	291	M32X1.5	M32X1.5	197	239	M8X17	G2 1/2	94	6	103	832	202	168	226	394	356	236	170	751	217	15
2MV 820 H47	3~	497	503	286	M12X20	695	262	291	M32X1.5	M32X1.5	197	239	M8X17	G2 1/2	94	6	103	832	202	168	226	394	356	236	170	751	217	15

Double-Stage Mounting Dimensions – 2MV 840/840



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 840 H27	3~	500	563	286	M12X20	590	262	226	M32X1.5	M32X1.5	167	299	M8X17	G2 1/2	94	66	124	217	394	356	237	170	579	15



		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	W	Y
2MV 840 H37	3~	500	563	286	M12X20	695	262	291	M32X1.5	M32X1.5	197	299	M8X17	G2 1/2	94	66	164	451	336	394	356	237	170	751	217	15

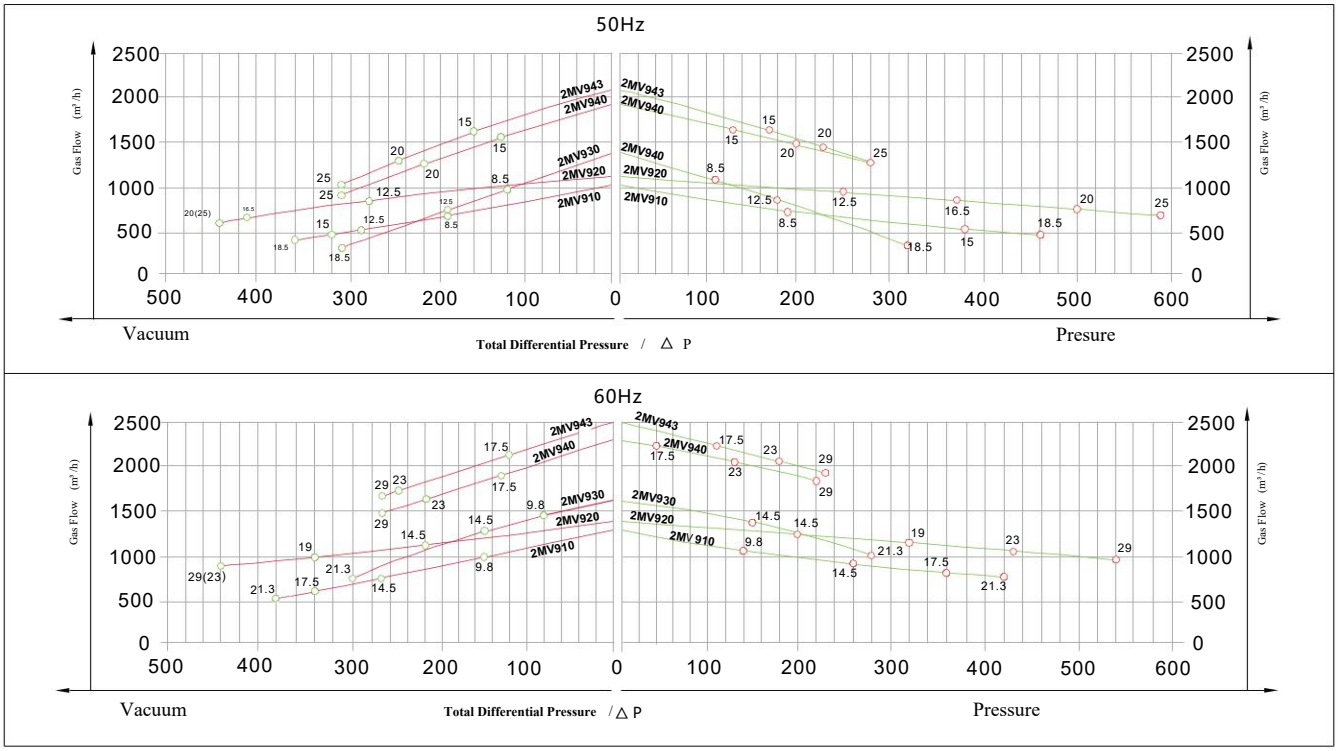
2MV9 Ring Blower 3A

Model table and performance parameters (IP55 50/60 Hz)

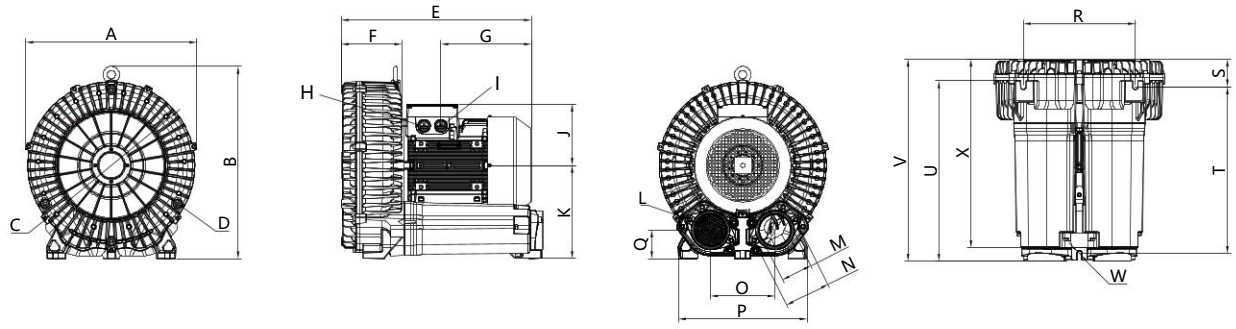
Model 2MV9-3AC	Nominal Motor Parameters										
	Single	Frecuency	Power	Voltage		Currente	Max Airflow	Nominal Pressure	Nominal Pressure	Noise	Weight
	Double	HZ	Kw	V		A	m³/hora	Mbar	Mbar	d(A)	kg
• 2MV 910 H07	Single-stage	50	8.5	345-415Δ	600-720Y	18.2 Δ /10.5 Y	1050	-190	190	74	93
		60	9.8	380-480Δ	660-720Y	18.2 Δ /10.5 Y	1250	-150	140	79	
• 2MV 910 H17	Single-stage	50	12.5	345-415Δ	600-720Y	28 Δ /16.2 Y	1050	-290	280	74	116
		60	14.5	380-480Δ	660-720Y	29 Δ /16.7 Y	1250	-270	260	79	
• 2MV 910 H27	Single-stage	50	15	345-415Δ	600-720Y	35 Δ/20 Y	1050	-320	380	74	120
		60	17.5	380-480Δ	660-720Y	36.5 Δ/21 Y	1250	-340	360	79	
• 2MV 910 H37	Single-stage	50	18.5	345-415Δ	600-720Y	37 Δ/21 Y	1050	-360	460	74	126
		60	21.3	380-480Δ	660-720Y	39 Δ/22.5 Y	1250	-380	420	79	
• 2MV 920 H17	Double-stageble	50	12.5	345-415Δ	600-720Y	28 Δ/16.2 Y	1110	-300	270	74	187
		60	14.5	380-480Δ	660-720Y	29 Δ/16.7 Y	1310	-220	200	78	
• 2MV 920 H27	Double-stageble	50	16.5	345-415Δ	600-720Y	35 Δ/20 Y	1110	-410	370	74	197
		60	19	380-480Δ	660-720Y	36.5 Δ/21 Y	1310	-340	300	78	
• 2MV 920 H37	Double-stageble	50	20	345-415Δ	600-720Y	40 Δ/23 Y	1110	-440	500	74	204
		60	23	380-480Δ	660-720Y	42Δ/24.2 Y	1310	-440	430	78	
• 2MV 920 H47	Double-stageble	50	25	345-415Δ	600-720Y	52 Δ/30 Y	1110	-440	590	74	211
		60	29	380-480Δ	660-720Y	52 Δ/30 Y	1310	-440	540	78	
• 2MV 930 H07	Single-stage	50	8.5	345-415Δ	600-720Y	18.2 Δ/10.5Y	1370	-120	110	75	98
		60	9.8	380-480Δ	660-720Y	18.2 Δ/10.5 Y	1650	-80	70	80	
• 2MV 930 H17	Single-stage	50	12.5	345-415Δ	600-720Y	28 Δ/16.2Y	1370	-190	180	75	121
		60	14.5	380-480Δ	660-720Y	29 Δ/22.5Y	1650	-150	150	80	
• 2MV 930 H27	Single-stage	50	18.5	345-415Δ	600-720Y	37 Δ/21 Y	1370	-310	320	75	131
		60	21.3	380-480Δ	660-720Y	39 Δ/22.5 Y	1650	-300	280	80	
• 2MV 940 H27	Double-stageble	50	15	345-415Δ	600-720Y	35 Δ/20 Y	1940	-130	110	75	187
		60	17.5	380-480Δ	660-720Y	36.5 Δ/21 Y	2310	-60	40	84	
• 2MV 940 H37	Double-stageble	50	20	345-415Δ	600-720Y	40 Δ/23 Y	1940	-200	200	75	212
		60	23	380-480Δ	660-720Y	42 Δ/24.2 Y	2310	-160	130	84	
• 2MV 940 H47	Double-stageble	50	25	345-415Δ	600-720Y	52 Δ/30Y	1940	-310	280	75	219
		60	29	380-480Δ	660-720Y	52 Δ/30 Y	2310	-270	220	84	
• 2MV 943 H27	Double-stageble	50	15	345-415Δ	600-720Y	35 Δ/20 Y	2050	-160	170	75	220
		60	17.5	380-480Δ	660-720Y	36.5 Δ/21 Y	2480	-120	110	84	
• 2MV 943 H37	Double-stageble	50	20	345-415Δ	600-720Y	40 Δ/23Y	2050	-250	230	75	230
		60	23	380-480Δ	660-720Y	42 Δ/24.2 Y	2480	-190	180	84	
• 2MV 943 H47	Double-stageble	50	25	345-415Δ	600-720Y	52 Δ/30Y	2050	-310	280	75	235
		60	29	380-480Δ	660-720Y	50 Δ/30 Y	2480	-270	230	84	

2MV9 Compression–Vacuum Type Curve – 3AC

The performance curve is suitable for pumping air at 15 °C at the inlet flange with an air pressure of 1,103 mbar ±10%. The total pressure difference is effective between inlet and ambient pressures at 25 °C.

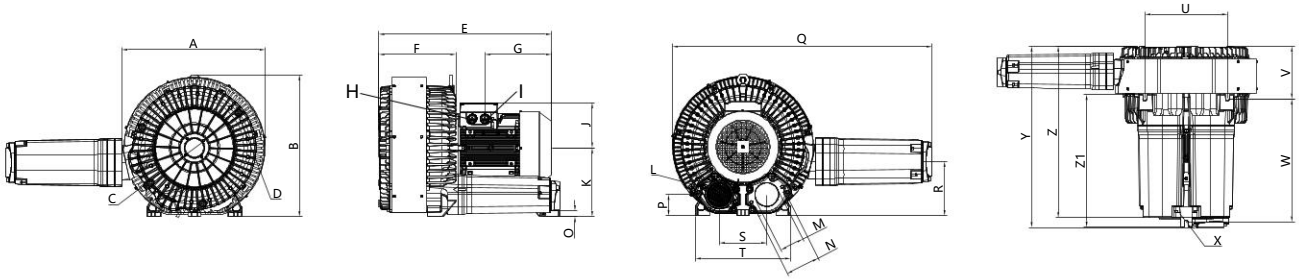


Mounting dimensions of a single-stage 2MV 910/930



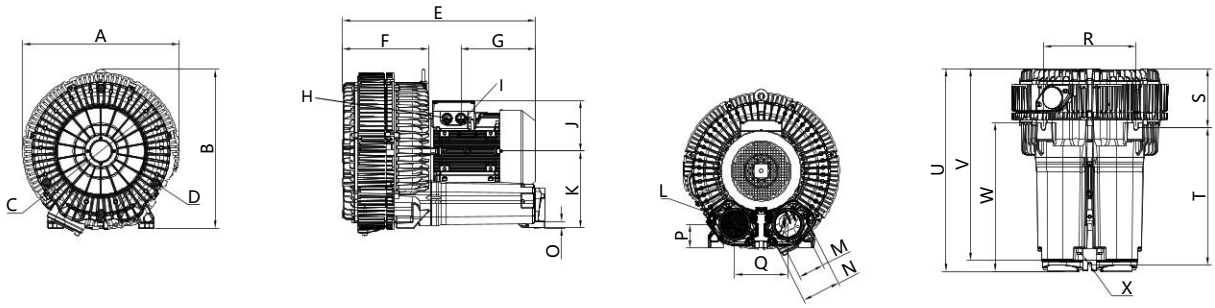
Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 910 H07	3~	550	618	490	M12X30	525	195	226	M32X1.5	M32X1.5	167	299	M12X30	G4	150	207	414	92	360	88	535	577	646	15	648
2MV 910 H17	3~	550	618	490	M12X30	611	195	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	207	414	92	360	88	535	577	646	15	648
2MV 910 H27	3~	550	618	490	M12X30	611	195	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	207	414	92	360	88	535	577	646	15	648
2MV 930 H07	3~	550	618	490	M12X30	563	233	226	M32X1.5	M32X1.5	167	299	M12X30	G4	150	207	414	92	360	126	535	577	684	15	646
2MV 930 H17	3~	550	618	490	M12X30	649	233	291	M40X1.5	M340X1.5	197	299	M12X30	G4	150	207	414	92	360	126	535	577	684	15	646
2MV 930 H27	3~	550	618	490	M12X30	649	233	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	207	414	92	360	126	535	577	684	15	646

Double-Stage Mounting Dimensions – 2MV 920



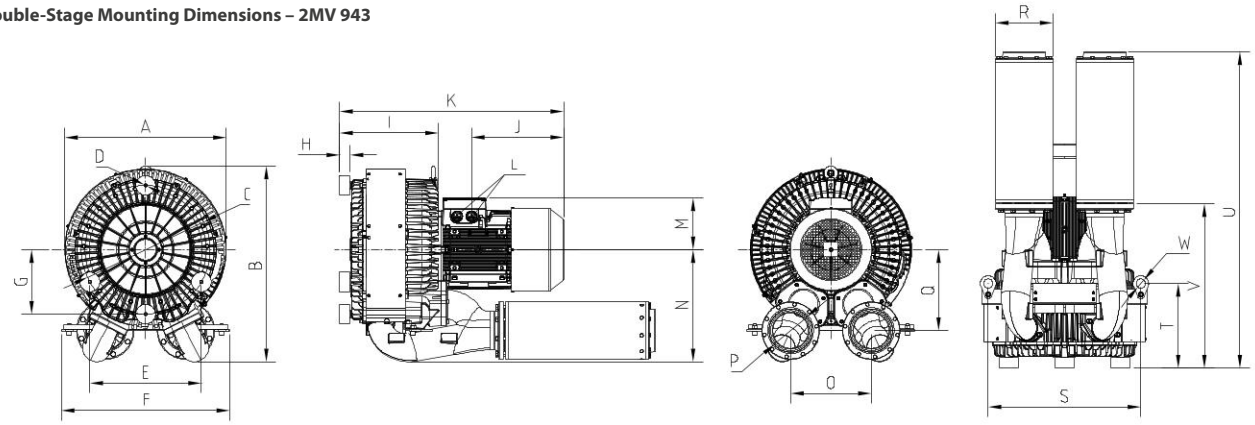
Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Z1
2MV 920 H17	3~	624	618	490	M12X20	752	336	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	1131	236	207	414	360	229	535	15	787	789	577
2MV 920 H27	3~	624	618	490	M12X20	752	336	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	1131	236	207	414	360	229	535	15	787	789	577
2MV 920 H37	3~	624	618	490	M12X20	752	336	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	1131	236	207	414	360	229	535	15	787	789	577
2MV 920 H47	3~	624	618	490	M12X20	813	336	352	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	1131	236	207	414	360	229	535	15	787	789	577

Double-Stage Mounting Dimensions – 2MV 940



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 940 H27	3~	610	618	490	M12X30	752	336	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	207	360	229	535	787	789	577	15
2MV 940 H37	3~	610	618	490	M12X30	752	336	291	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	207	360	229	535	787	789	577	15
2MV 940 H47	3~	610	618	490	M12X30	813	336	352	M40X1.5	M40X1.5	197	299	M12X30	G4	150	25	92	207	360	229	535	787	789	577	15

Double-Stage Mounting Dimensions – 2MV 943



		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 943 H27	3~	615	745	490	100	424	641	245	40	376	291	791	M40X1.5	197	426	307	G5	308	219	581	322	1203	625	35
2MV 943 H37	3~	615	745	490	100	424	641	245	40	376	291	791	M40X1.5	197	426	307	G5	308	219	581	322	1203	625	35
2MV 943 H47	3~	615	745	490	100	424	641	245	40	376	351	852	M40X1.5	197	426	307	G5	308	219	581	322	1203	625	35

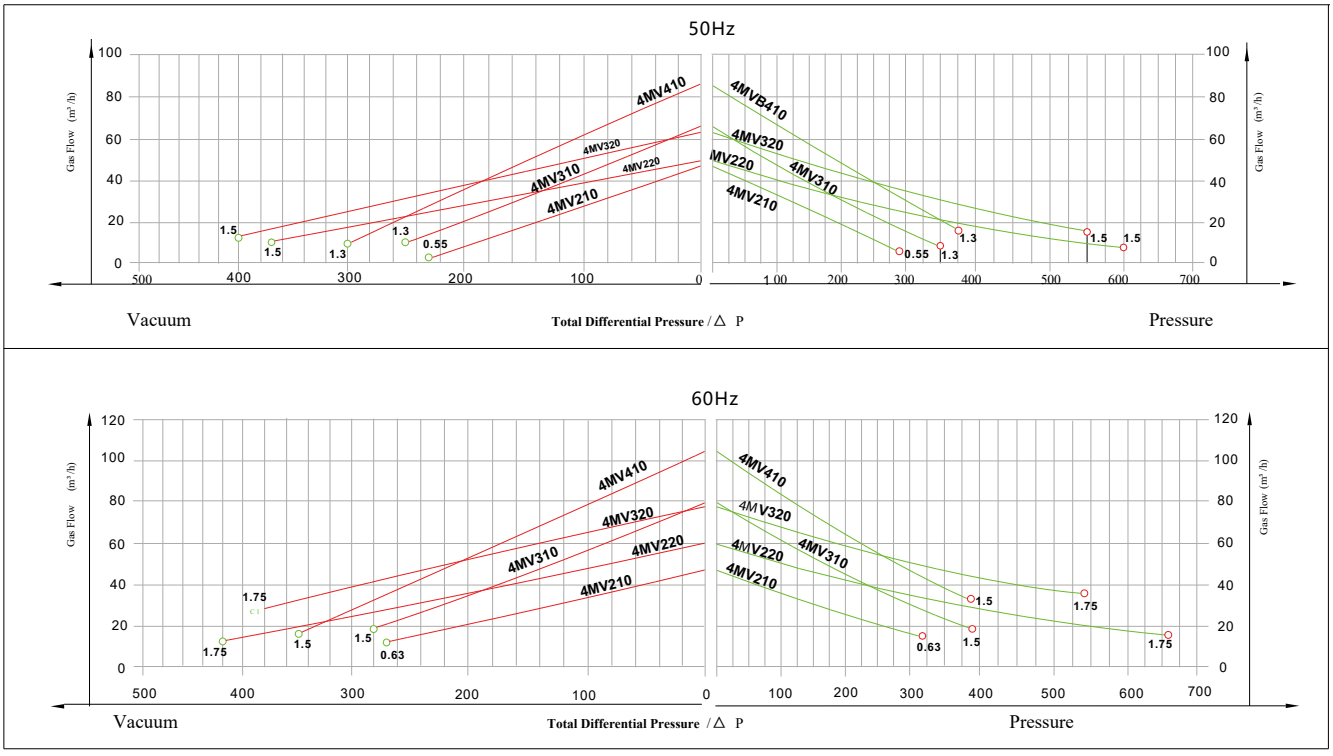
4MV AC Regenerative Ring Blower – Model and Performance Data Table (IP55 50/60Hz)




Model 4MV-1AC-230V	Nominal Motor Parameters									
	Single	Frecuencia	Power	Voltage	Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	HZ	Kw	V	A	m³/h	Mbar	Mbar	d (A)	kg
• 4MV 210 A01	Single-stage	50	0.55	230	3.1	47	-230	290	57	18
		60	0.63	230	7.1	57	-270	320	62	
• 4MV 220 A01	Double-stageble	50	1.5	230	9.7	47	-370	600	58	30
		60	1.75	230	10.3	60	-420	660	62	
• 4MV 310 A01	Single-stage	50	1.3	230	7.8	66	-250	350	57	18
		60	1.5	230	9.3	80	-280	390	62	
• 4MV 320 A01	Double-stageble	50	1.5	230	9.7	65	-400	550	59	32
		60	1.7	230	10.3	76	-390	540	63	
• 4MV 410 A01	Single-stage	50	1.3	230	10.3	87	-300	380	55	23
		60	1.5	230	10.6	105	-350	390	62	

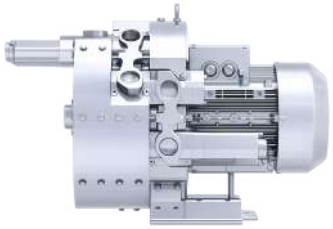
4MV-1 AC Vacuum/Pressure Performance Curve

The performance curve is based on air at 15°C measured at the inlet flange with an inlet air pressure of 1,103 mbar ±10%. The total differential pressure is referenced to an ambient temperature of 25°C.



4MV3 AC Regenerative Ring Blower – Model and Performance Parameters Table (IP55 50/60Hz)

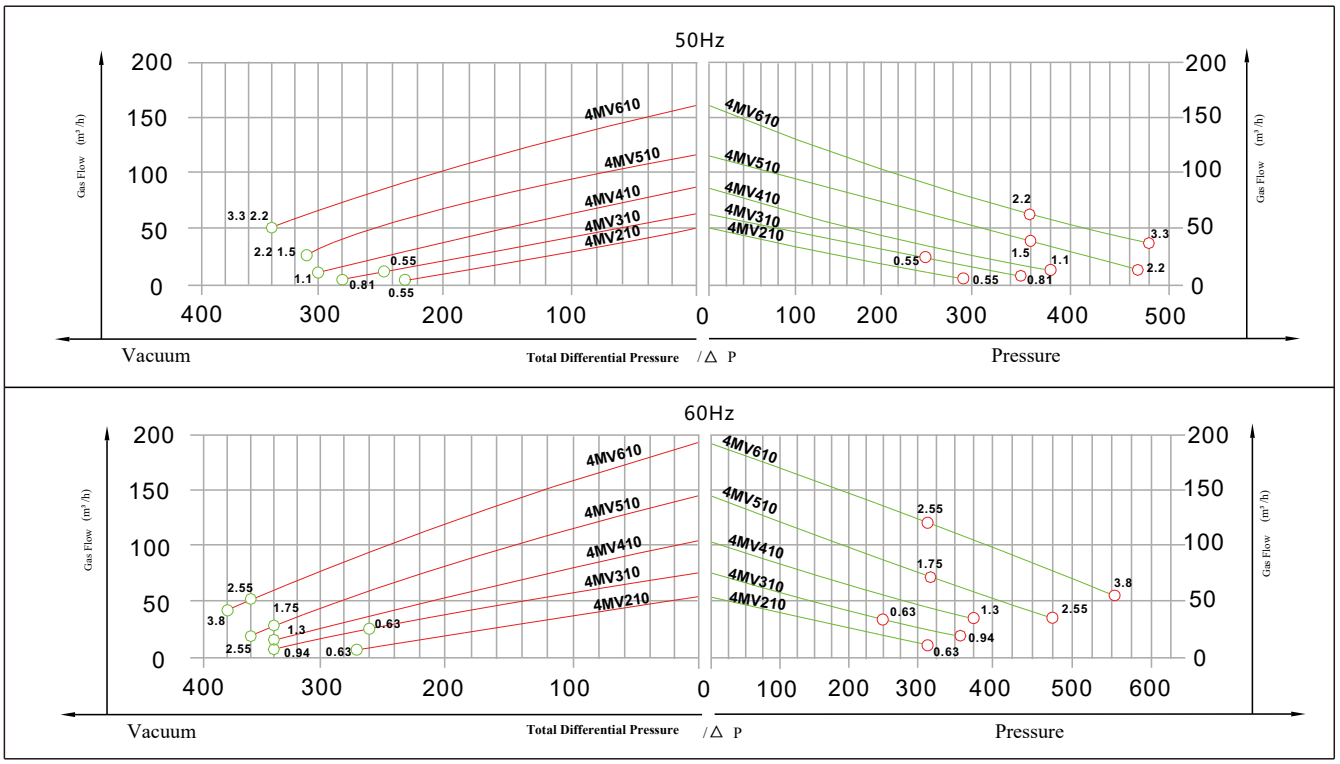




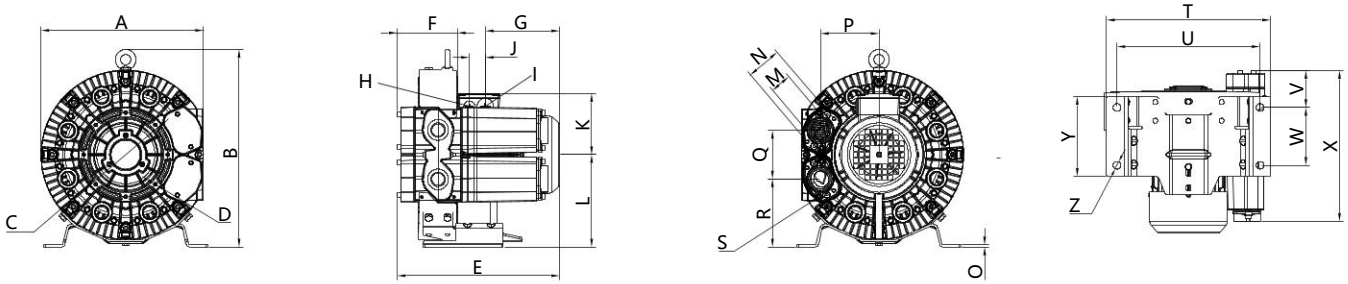

Model 4EIMV-3AC	Nominal Motor Parameters										
	Single	Frequency	Power	Voltage		Currente	Max Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	HZ	Kilovatios	V		A	m³/hora	Mbar	Mbar	d (A)	kg
• 4MV 220 H26	Double-stageble	50	0.85	200-240Δ	345-415Y	4Δ/2.3 Y	47	-370	490	58	24
		60	0.95	220-275Δ	380-480Y	4Δ/2.3Y	60	-440	480	62	
• 4MV 220 H56	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	47	-370	650	58	28
		60	2.05	220-275Δ	380-480Y	7.6Δ/4.4Y	60	-500	740	62	
• 4MV 320 H46	Double-stageble	50	1.3	200-240Δ	345-415Y	5.4Δ/3.1Y	65	-400	480	59	29
		60	1.5	220-275Δ	380-480Y	5.4Δ/3.1Y	76	-480	480	63	
• 4MV 320 H56	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	65	-440	540	59	30
		60	2.05	220-275Δ	380-480Y	7.5Δ/4.4Y	76	-560	600	63	
• 4MV 420 H26	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	87	-480	450	61	33
		60	2.05	220-275Δ	380-480Y	7.6Δ/4.4Y	105	-430	410	66	
• 4MV 420 H56	Double-stageble	50	3.3	200-240Δ	345-415Y	13Δ/7.5Y	120	-500	750	61	39
		60	3.8	220-275Δ	380-480Y	13.8Δ/8Y	145	-510	850	66	
• 4MV 520 H26	Double-stageble	50	2.2	200-240Δ	345-415Y	11.4Δ/6.6Y	120	-470	460	64	40
		60	2.55	220-275Δ	380-480Y	11.2Δ/6.5Y	145	-500	450	70	
• 4MV 520 H27	Double-stageble	50	4.3	345-415Δ		9.5Δ	165	-500	820	65	51
		60	4.8	380-480Δ		10Δ	195	-530	810	71	
• 4MV 620 H36	Double-stageble	50	3.3	200-275Δ	345-415Y	13Δ/7.5Y	165	-460	500	67	48
		60	3.8	220-275Δ	380-480Y	14.2Δ/8.2Y	195	-480	420	71	
• 4MV 620 H57	Double-stageble	50	5.5	345-415Δ		12Δ	165	-460	740	68	65
		60	6.3	380-480Δ		11.5Δ	195	-480	840	72	
• 4MV 630 H67	Double-stageble	50	7.5	345-415Δ		16Δ	170	-730	1040	72	86
		60	8.6	380-480Δ		16Δ	200	-700	1040	76	

4MV-3 AC Vacuum/Pressure Performance Curve

The performance curve is based on air at 15°C measured at the inlet flange with an inlet air pressure of 1,103 mbar ±10%. The total differential pressure is referenced to an ambient temperature of 25°C.



Single-Stage Mounting Dimensions – 4MV



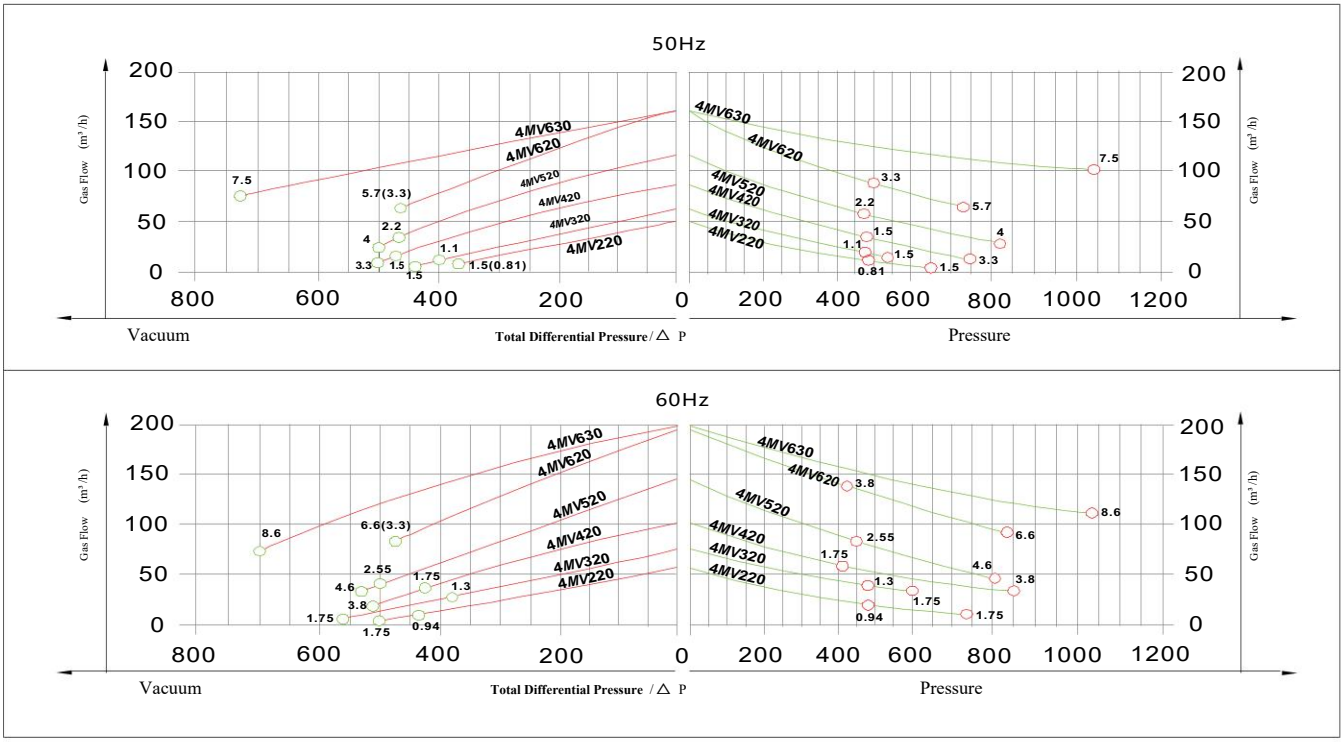
Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z
4MV 210 H16	3~	295	360	153	M6X15	293	107	135	M16X1.5	M32X1.5	29	111	168	G1 1/4	64	4	107	88	124	M6X17	298	260	65	105	272	14
4MV 310 H16	3~	313	378	153	M6X15	295	109	135	M16X1.5	M32X1.5	29	111	177	G1 1/4	64	4	114	94	130	M6X17	325	290	67	105	276	14
4MV 310 H26	3~	313	378	153	M6X15	319	109	159	M16X1.5	M32X1.5	29	120	177	G1 1/4	64	4	114	94	130	M6X17	325	290	67	105	276	14
4MV 410 H16	3~	346	416	167	M6X15	323	113	159	M16X1.5	M32X1.5	29	120	197	G1 1/4	64	4	125	103	145	M6X17	350	315	70	130	282	14
4MV 510 H16	3~	367	435	192	M8X15	363	112	191	M16X1.5	M32X1.5	29	128	206	G1 1/4	64	4	138	114	148	M6X17	363	328	71	152	287	14
4MV 510 H26	3~	367	435	192	M8X15	363	112	191	M16X1.5	M32X1.5	29	128	206	G1 1/4	64	4	138	114	148	M6X17	363	328	71	152	287	14
4MV 610 H16	3~	418	494	228	M8X15	364	124	191	M16X1.5	M32X1.5	29	128	236	G1 1/4	64	4	153	126	172	M6X17	406	371	70	152	291	14
4MV 610 H36	3~	418	494	228	M8X15	390	124	217	M16X1.5	M32X1.5	29	128	236	G1 1/4	64	4	153	126	172	M6X17	406	371	70	152	291	14
4MV 210 V01	1~	295	360	153	M6X15	293	107	135	M16X1.5	M32X1.5	29	111	168	G1 1/4	64	4	107	88	124	M6X17	298	260	65	105	272	14
4MV 310 V01	1~	313	378	153	M6X15	295	109	159	M16X1.5	M32X1.5	29	120	177	G1 1/4	64	4	114	94	130	M6X17	325	290	67	105	276	14
4MV 410 V01	1~	346	416	167	M6X15	321	113	159	M16X1.5	M32X1.5	29	120	197	G1 1/4	64	4	125	103	145	M6X17	350	315	70	130	282	14

4MV3 AC Regenerative Ring Blower – Model and Performance Data (IP55 50/60Hz)

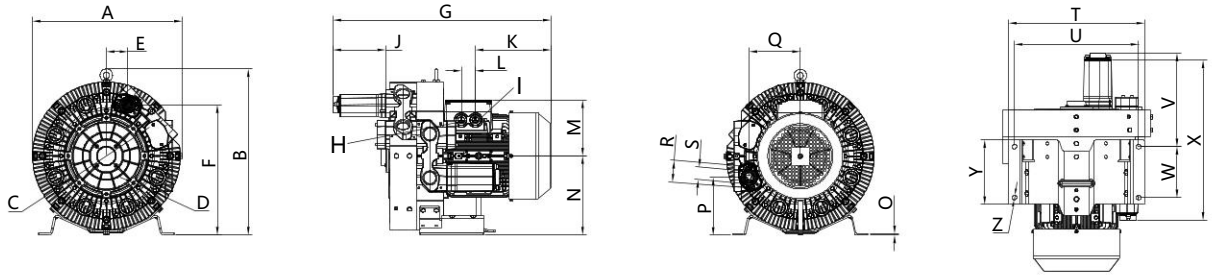
Model 4EIMV-3AC	Nominal Motor Parameters										
	Single	Frecuencia	Power	Voltaje		Currente	ax Airflow	Nominal Vacuum	Nominal Pressure	Noise	Weight
	Double	HZ	Kw	V		A	m³/hora	Mbar	Mbar	d (A)	kg
• 4MV 220 H26	Double-stageble	50	0.85	200-240Δ	345-415Y	4Δ/2.3 Y	47	-370	490	58	24
		60	0.95	220-275Δ	380-480Y	4Δ/2.3Y	60	-440	480	62	
• 4MV 220 H56	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	47	-370	650	58	28
		60	2.05	220-275Δ	380-480Y	7.6Δ/4.4Y	60	-500	740	62	
• 4MV 320 H46	Double-stageble	50	1.3	200-240Δ	345-415Y	5.4Δ/3.1Y	65	-400	480	59	29
		60	1.5	220-275Δ	380-480Y	5.4Δ/3.1Y	76	-480	480	63	
• 4MV 320 H56	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	65	-440	540	59	30
		60	2.05	220-275Δ	380-480Y	7.5Δ/4.4Y	76	-560	600	63	
• 4MV 420 H26	Double-stageble	50	1.6	200-240Δ	345-415Y	7.5Δ/4.3Y	87	-480	450	61	33
		60	2.05	220-275Δ	380-480Y	7.6Δ/4.4Y	105	-430	410	66	
• 4MV 420 H56	Double-stageble	50	3.3	200-240Δ	345-415Y	13Δ/7.5Y	120	-500	750	61	39
		60	3.8	220-275Δ	380-480Y	13.8Δ/8Y	145	-510	850	66	
• 4MV 520 H26	Double-stageble	50	2.2	200-240Δ	345-415Y	11.4Δ/6.6Y	120	-470	460	64	40
		60	2.55	220-275Δ	380-480Y	11.2Δ/6.5Y	145	-500	450	70	
• 4MV 520 H27	Double-stageble	50	4.3	345-415Δ		9.5Δ	165	-500	820	65	51
		60	4.8	380-480Δ		10Δ	195	-530	810	71	
• 4MV 620 H36	Double-stageble	50	3.3	200-275Δ	345-415Y	13Δ/7.5Y	165	-460	500	67	48
		60	3.8	220-275Δ	380-480Y	14.2Δ/8.2Y	195	-480	420	71	
• 4MV 620 H57	Double-stageble	50	5.5	345-415Δ		12Δ	165	-460	740	68	65
		60	6.3	380-480Δ		11.5Δ	195	-480	840	72	
• 4MV 630 H67	Double-stageble	50	7.5	345-415Δ		16Δ	170	-730	1040	72	86
		60	8.6	380-480Δ		16Δ	200	-700	1040	76	

4MV Vacuum/Pressure Performance Curve – 3AC

The performance curve is based on air at 15°C measured at the inlet flange with an inlet air pressure of 1,103 mbar ±10%. The total differential pressure is referenced to an ambient temperature of 25°C.

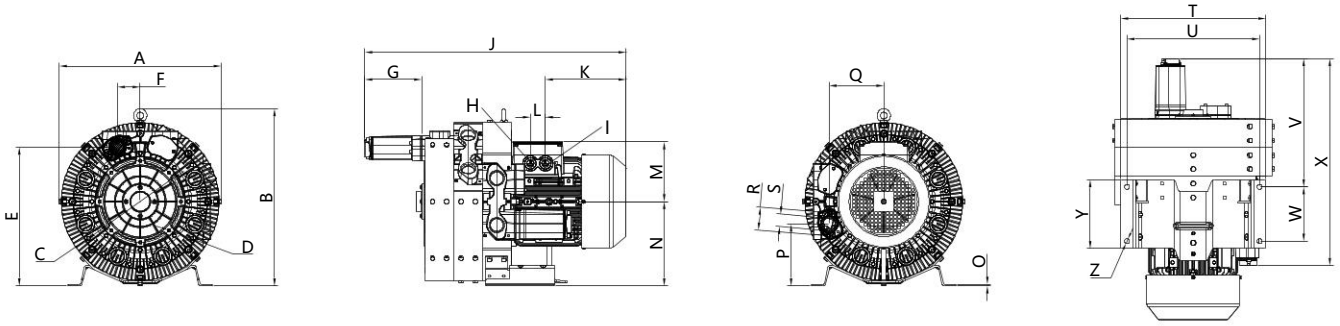


Double-Stage Mounting Dimensions – 4MV



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
4MV 220 H26	3~	313	360	153	M6X15	45	274	489	M16X1.5	M32X1.5	159	135	29	111	167	4	123	105	64	G1 1/4	298	260	261	105	468	14
4MV 220 H56	3~	313	360	153	M6X15	45	274	546	M16X1.5	M32X1.5	159	191	29	128	167	4	123	105	64	G1 1/4	298	260	261	105	468	14
4MV 330 H46	3~	333	380	153	M6X15	47	291	515	M16X1.5	M32X1.5	159	159	29	120	178	4	130	114	64	G1 1/4	325	290	263	105	472	14
4MV 320 H56	3~	333	380	153	M6X15	47	291	546	M16X1.5	M32X1.5	159	191	29	128	178	4	130	114	64	G1 1/4	325	290	263	105	472	14
4MV 420 H26	3~	346	416	167	M8X15	52	321	548	M16X1.5	M32X1.5	159	191	29	128	197	4	145	124	64	G1 1/4	350	315	263	130	475	14
4MV 420 H56	3~	346	416	167	M8X15	52	321	575	M16X1.5	M32X1.5	159	217	29	128	197	4	145	124	64	G1 1/4	350	315	263	130	475	14
4MV 520 H27	3~	387	435	192	M8X15	57	343	569	M16X1.5	M32X1.5	159	191	29	128	206	5	148	137	64	G1 1/4	363	328	277	152	493	14
4MV 520 H36	3~	387	435	192	M8X15	57	343	621	M32X1.5	M32X1.5	159	209	42	148	206	5	148	137	64	G1 1/4	363	328	277	152	493	14
4MV 620 H57	3~	447	495	228	M6X15	63	389	599	M32X1.5	M32X1.5	159	217	29	128	236	5	173	153	64	G1 1/4	406	371	278	152	498	14
4MV 620 H67	3~	447	495	228	M6X15	63	389	651	M32X1.5	M32X1.5	159	226	42	167	236	5	173	153	64	G1 1/4	406	371	278	152	498	14
4MV 220 V01	1~	313	359	153	M6X15	45	274	525	M16X1.5	M32X1.5	159	217	29	128	167	4	123	105	64	G1 1/4	298	260	261	105	468	14
4MV 320 V01	1~	333	380	153	M6X15	45	291	541	M16X1.5	M32X1.5	159	217	29	128	177	4	130	114	64	G1 1/4	325	290	263	105	472	14

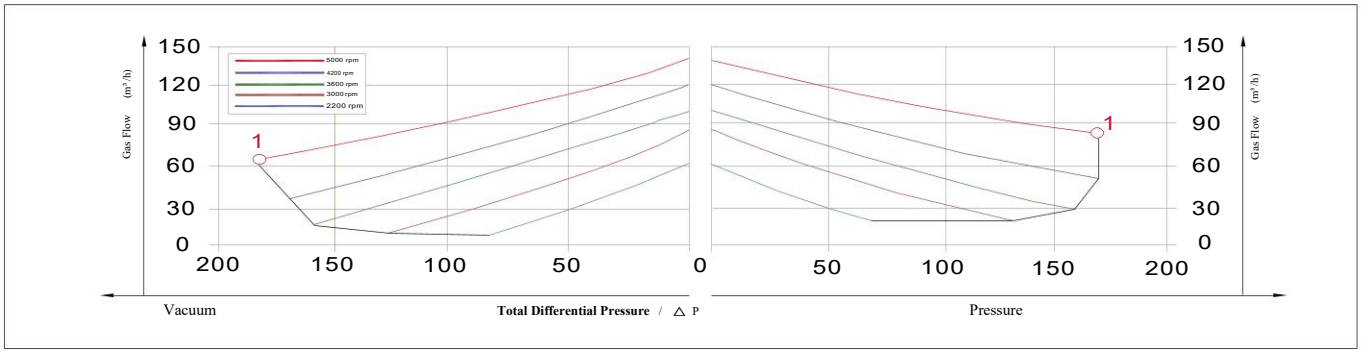
Three-Stage Mounting Dimensions – 4MV



Model	Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
4MV 630 H26	3~	452	496	228	M8X15	388	64	159	M32X1.5	M32X1.5	731	226	42	167	236	5	172	153	64	G1 1/4	406	371	358	152	578	192	14

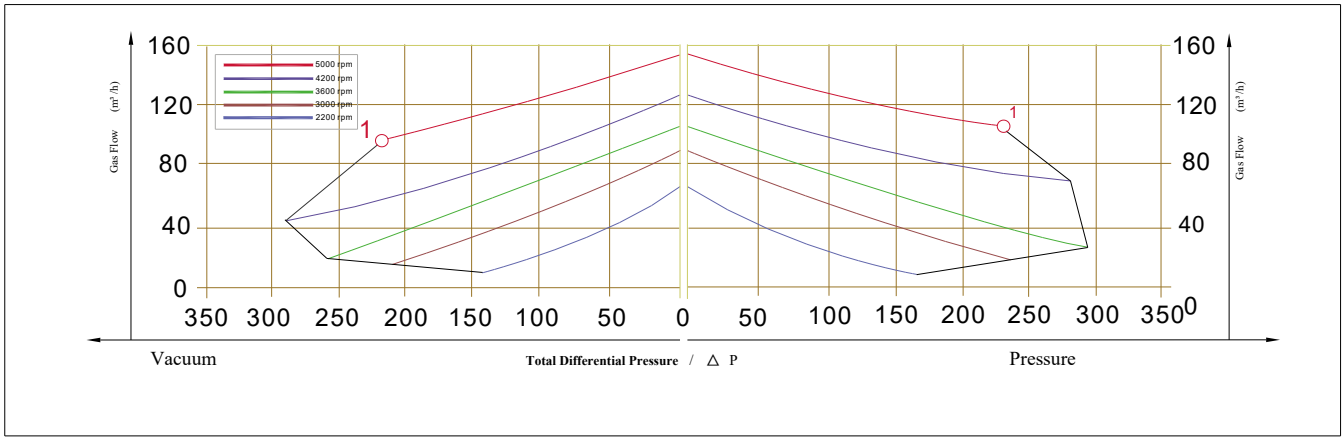
2MV 213 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	KW	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	0.7	80	-130	130	53	5.5	1 A. · .2110/. · . 2141 (RV-01)
	3600	0.83	100	-160	160	56		
	4200	0.95	120	-170	170	60		
	5000	1.1	140	-180	170	62		



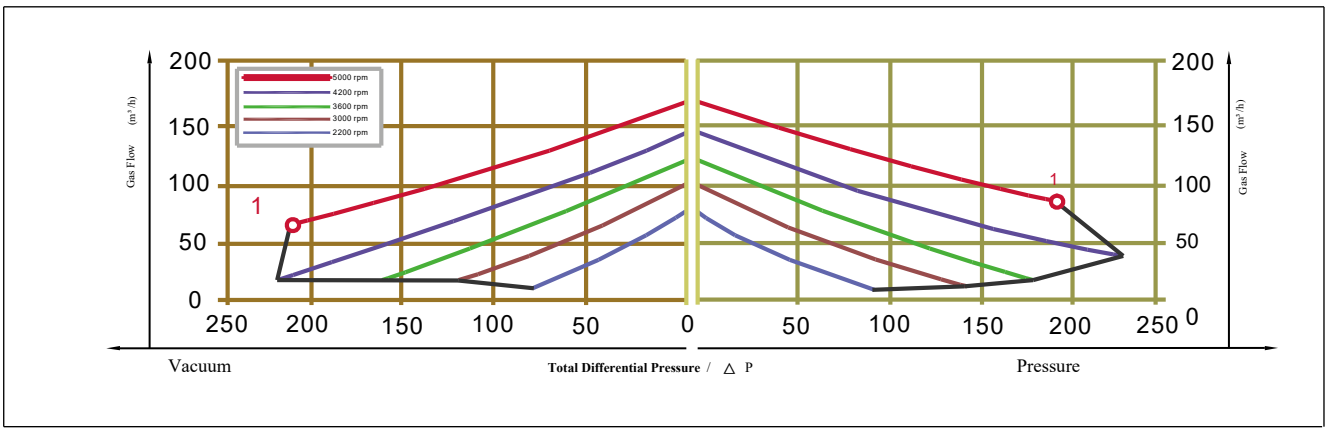
2MV 223 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kilovatios	M³/hora	Mbar	Mbar	Decibeles (A)	Kg	2BX
1	3000	0.7	85	-210	240	55	9	1...2110/.. 2141 (RV-01)
	3600	0.83	102	-260	290	61		
	4200	0.95	128	-290	280	64		
	5000	1.1	150	-220	230	66		



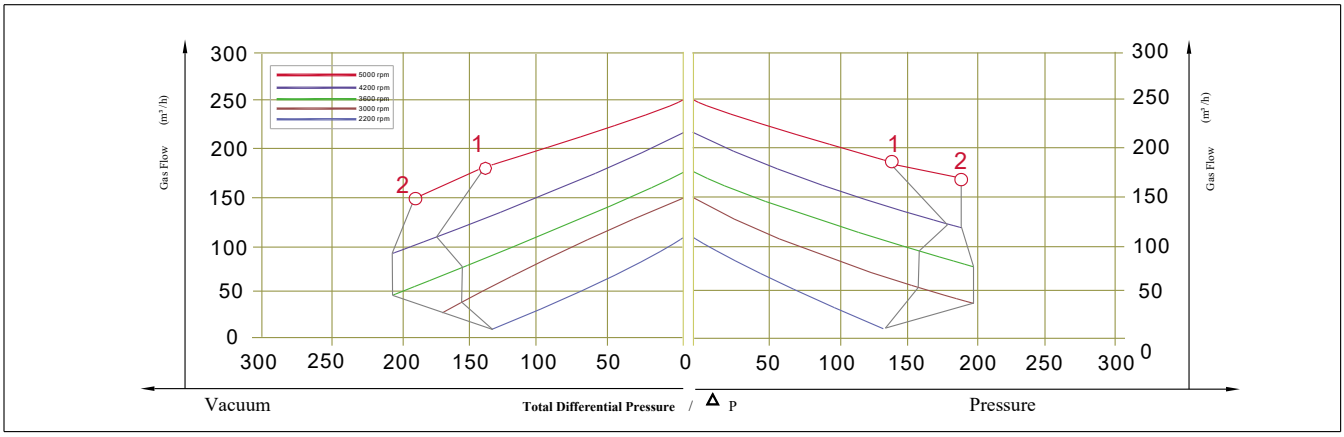
2MV 233 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	0.7	105	-120	140	54	7	1...2110/...2141 (RV-01)
	3600	0.83	120	-160	180	57		
	4200	0.95	140	-220	230	60		
	5000	1.1	170	-210	190	63		



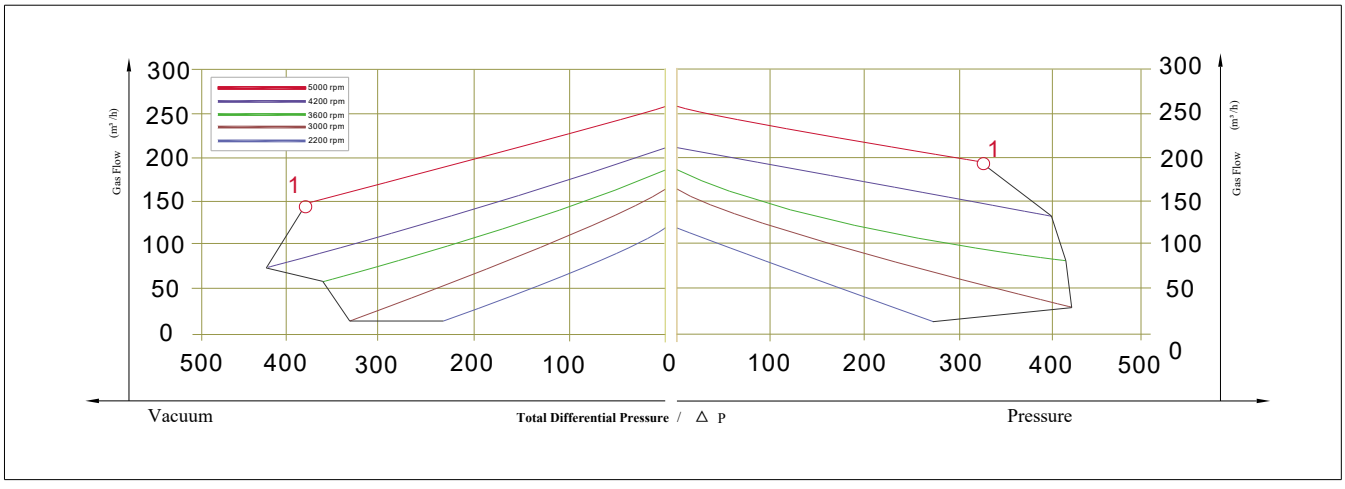
2MV 413 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	0.85	150	-160	160	63	7.5	1 x . . 2110/. . 2141 (RV-01)
	3600	0.95	180	-160	160	64		
	4200	1.3	220	-180	180	68		
	5000	1.5	250	-140	130	74		
2	3000	1.3	150	-170	200	63		
	3600	1.5	180	-210	200	64		
	4200	1.75	220	-210	190	68		
	5000	2.1	250	-190	190	74		



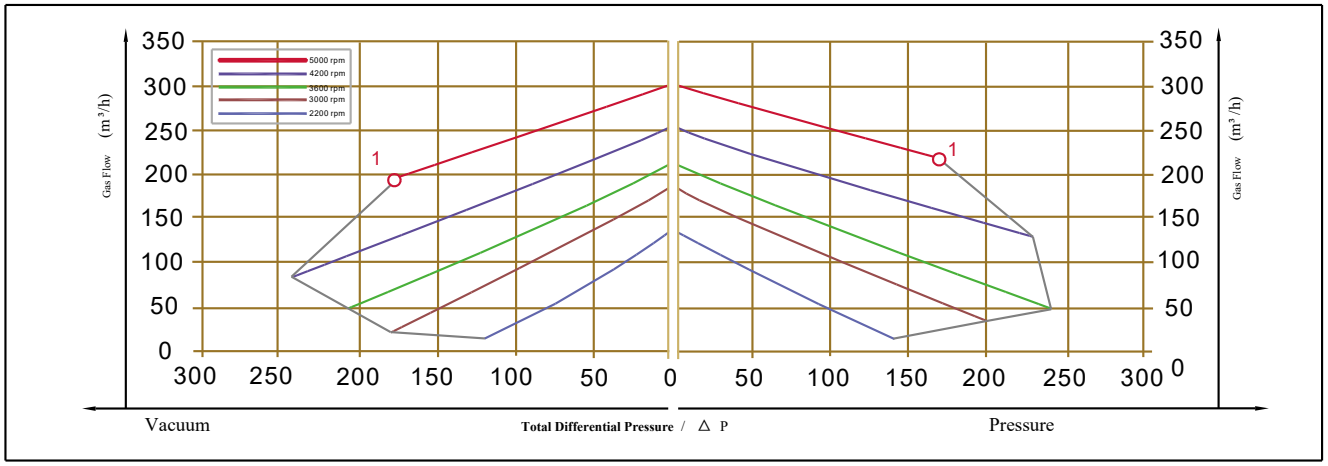
2MV 423 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M3/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	2.2	160	-330	440	66	13.5	1x... 2110/... 2142 (RV-02)
	3600	2.55	190	-350	420	69		
	4200	3.0	230	-420	400	72		
	5000	3.8	260	-380	330	77		



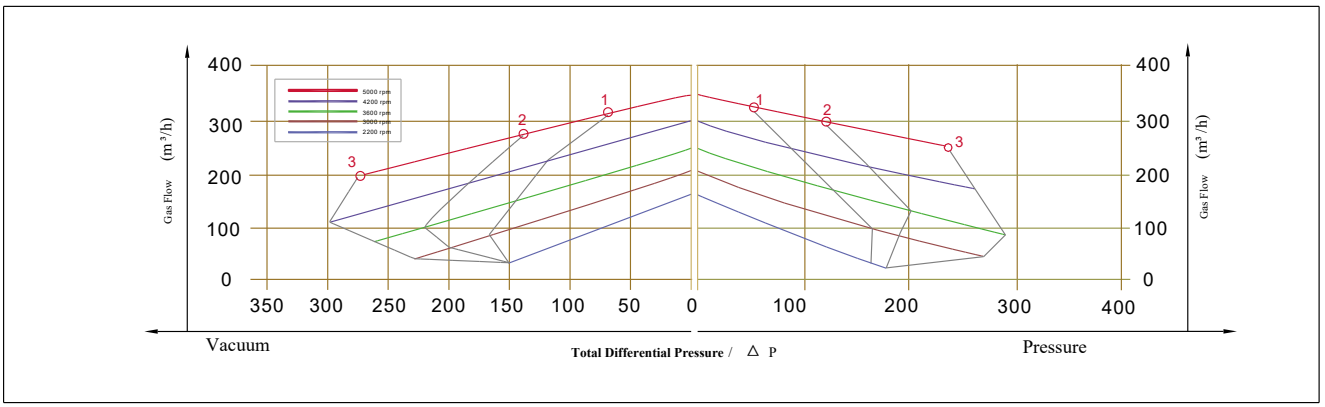
2MV 433 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	1.3	180	-180	200	64	8.5	1x. . 2110/. . 2141 (RV-01)
	3600	1.5	210	-210	240	65		
	4200	1.75	255	-240	230	69		
	5000	2.1	300	-180	170	75		



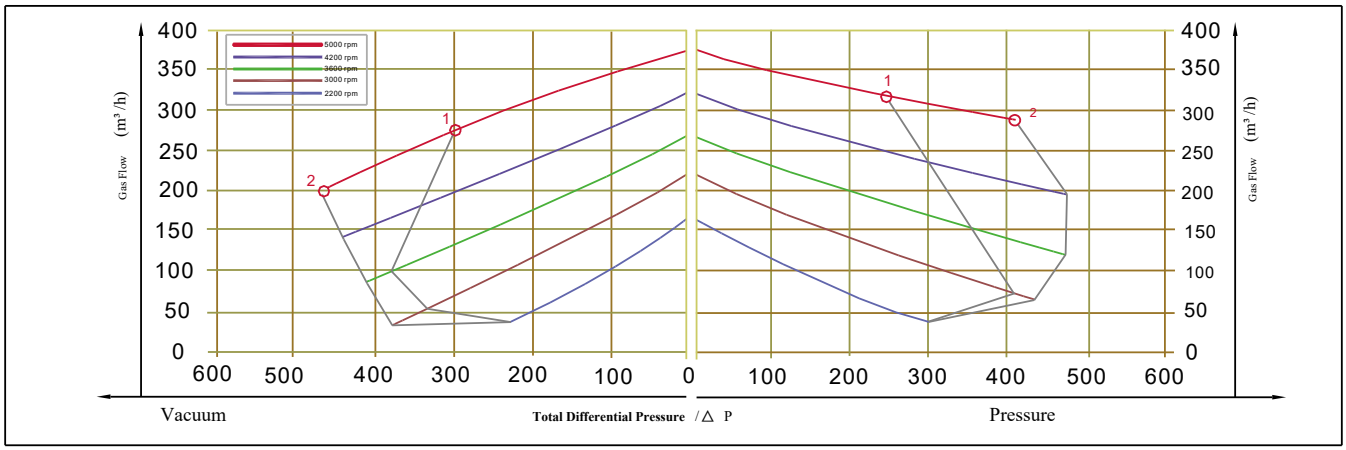
2MV 513 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	1.3	210	-170	170	64	11	1x. . 2110/. . 2141 (RV-01)
	3600	1.5	255	-150	140	70		
	4200	1.75	300	-130	100	72		
	5000	2.1	350	-70	60	75		
2	3000	1.6	210	-200	190	64		
	3600	2.05	255	-220	210	70		
	4200	2.3	300	-180	170	72		
	5000	2.6	350	-130	120	75		
3	3000	2.2	210	-220	270	64		
	3600	2.55	255	-260	290	70		
	4200	3.0	300	-300	270	72		
	5000	3.8	350	-270	240	75		



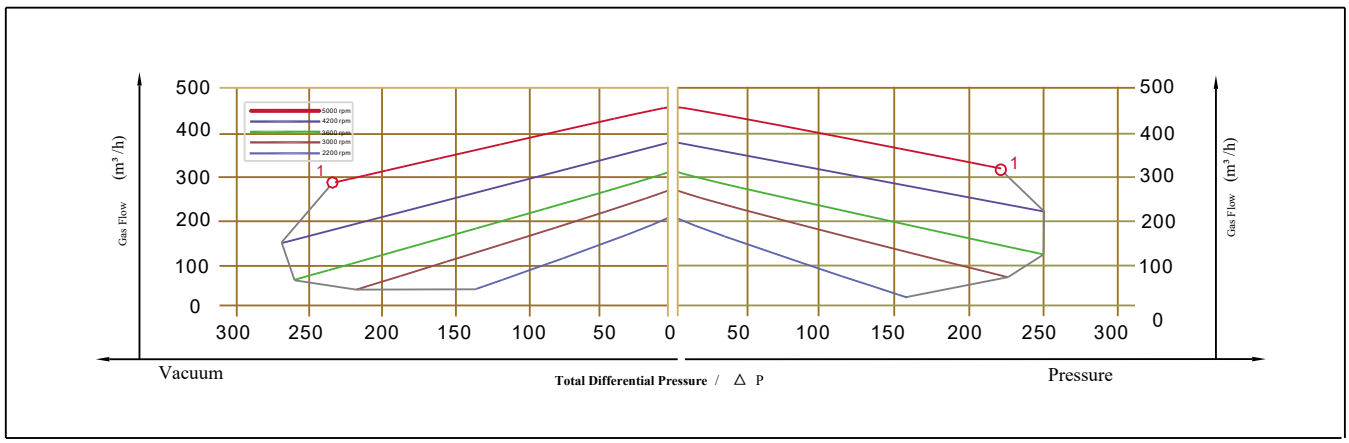
2MV 523 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	3.0	230	-340	410	72	21	1x. . 2110/. . .2142 (RV-02)
	3600	3.45	275	-380	360	74		
	4200	4.3	320	-340	300	78		
	5000	5.0	380	-300	240	83		
2	3000	4.0	230	-390	440	72		
	3600	4.6	275	-410	480	74		
	4200	6.0	320	-440	480	78		
	5000	6.9	380	-460	410	83		



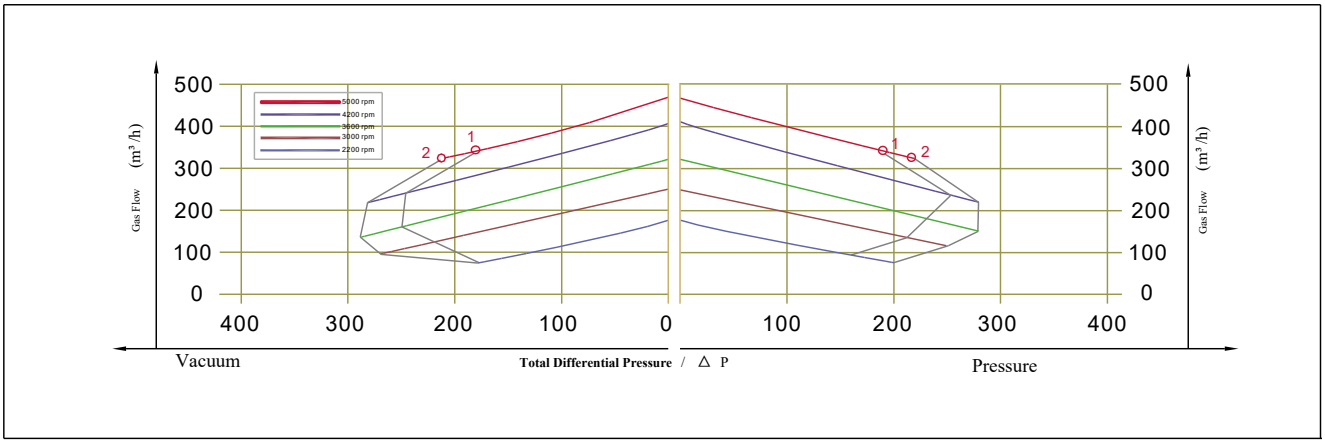
2MV 533 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	2.2	270	-220	230	65	12	2x 2110/ 2141 (RV-01)
	3600	2.55	330	-260	250	71		
	4200	3.0	390	-270	250	73		
	5000	3.8	460	-230	220	76		



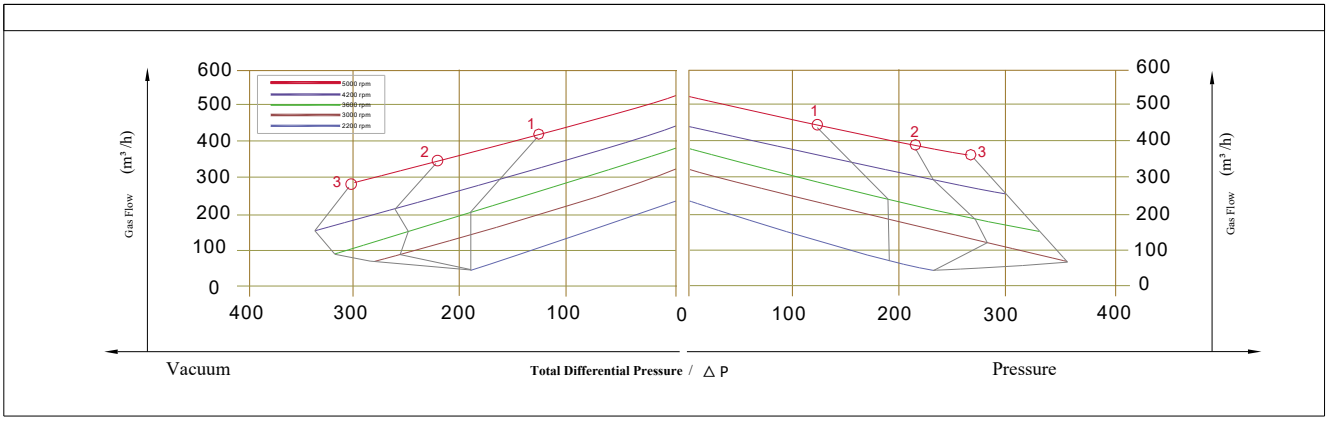
2MV 613 1HY99 Parameters and Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	2.2	265	-220	220	65	14	1x. . 2110/. . 2145 (RV-01)
	3600	2.55	315	-250	240	71		
	4200	3.0	400	-240	250	73		
	5000	3.8	480	-180	190	76		
2	3000	3.0	265	-260	250	64		
	3600	3.45	315	-280	280	70		
	4200	4.3	400	-270	280	72		
	5000	5.0	480	-220	220	75		



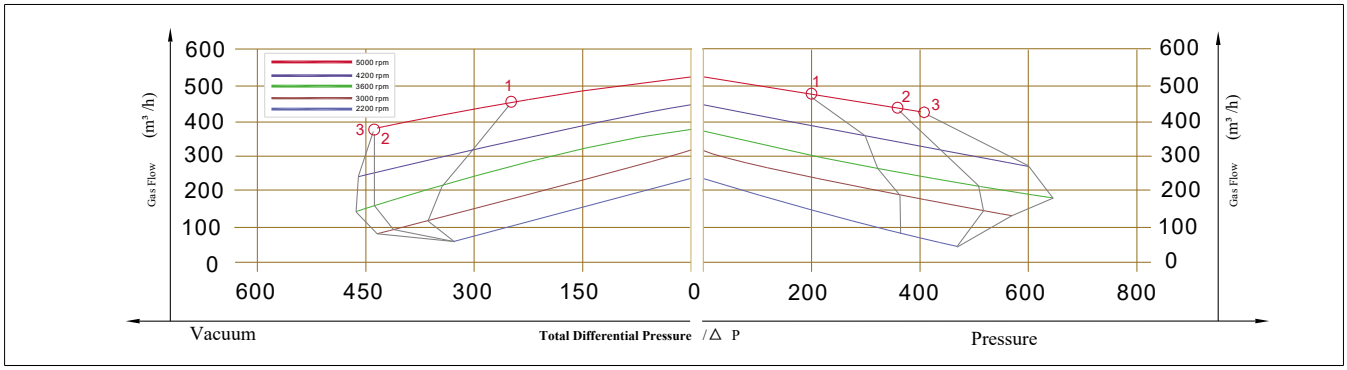
2MV 713 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	2.2	320	-190	190	69	16	1x. . 2110/. . 2145
	3600	2.55	380	-190	190	72		
	4200	3.0	440	-160	160	75		
	5000	3.8	530	-130	130	80		
2	3000	3.0	320	-260	270	64		
	3600	3.45	380	-240	230	70		
	4200	4.3	440	-270	220	72		
	5000	5.0	530	-220	210	75		
3	3000	4.0	320	-290	360	64		
	3600	4.6	380	-320	310	70		
	4200	6.0	440	-340	300	72		
	5000	6.9	530	-300	270	75		



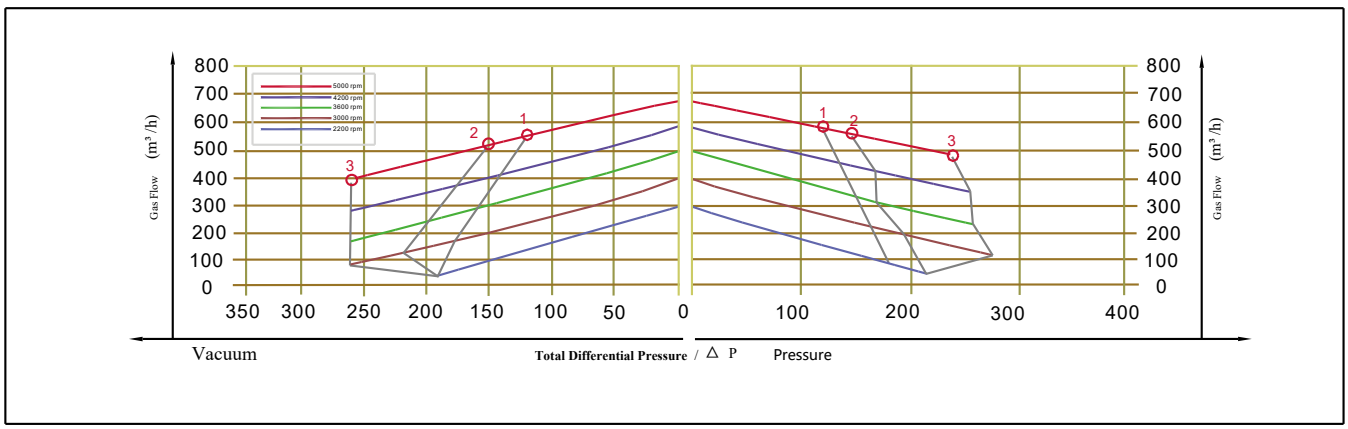
MV 723 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	4.3	320	-360	380	73	29	1x... 2110/... 2145
	3600	4.8	380	-350	320	75		
	4200	6.3	440	-310	300	78		
	5000	6.9	530	-240	200	84		
2	3000	5.5	320	-420	500	73		
	3600	6.3	380	-440	500	75		
	4200	7.5	440	-440	420	78		
	5000	8.8	530	-440	350	84		
3	3000	7.5	320	-440	570	73		
	3600	8.6	380	-460	660	75		
	4200	10.0	440	-460	600	78		
	5000	12.0	530	-440	410	84		



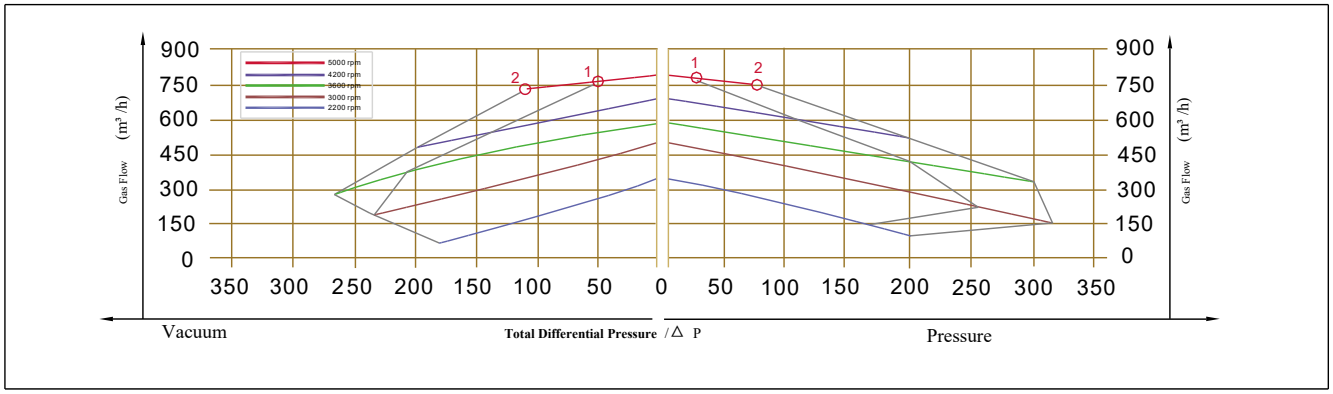
2MV 733 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	2.2	420	-180	170	70	18	2x 2110/ 2145
	3600	2.55	500	-160	150	73		
	4200	3.0	580	-140	130	76		
	5000	3.8	660	-120	120	81		
2	3000	3.0	420	-220	200	70		
	3600	3.45	500	-200	170	73		
	4200	4.3	580	-180	170	76		
	5000	5.0	660	-150	150	81		
3	3000	4.0	420	-260	290	70		
	3600	4.6	500	-260	260	73		
	4200	6.0	580	-260	260	76		
	5000	6.9	660	-260	240	81		



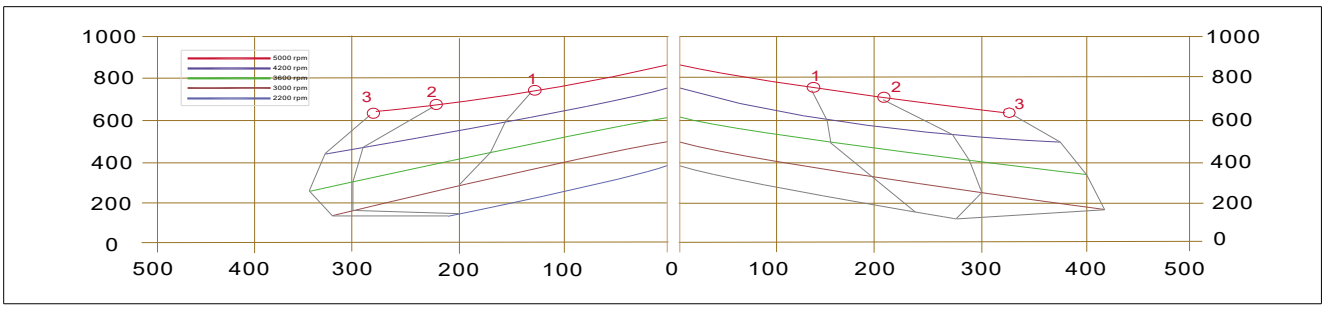
2MV 743 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	5.5	500	-240	260	74	31	2x..2110/..2145
	3600	6.3	600	-210	200	78		
	4200	7.5	700	-140	120	80		
	5000	8.8	800	-50	30	84		
2	3000	7.5	500	-240	320	73		
	3600	8.6	600	-270	300	75		
	4200	10.0	700	-200	200	78		
	5000	12.0	800	-110	80	84		



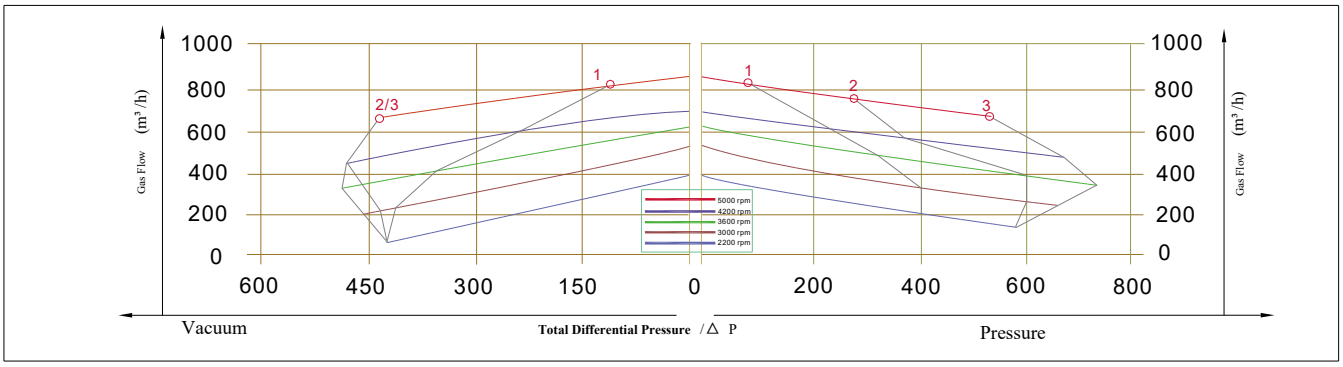
2MV 813 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	4.0	530	-200	200	73	38	1x..4740/..4840
	3600	4.6	620	-160	160	75		
	4200	6.0	720	-150	150	78		
	5000	6.9	830	-140	140	84		
2	3000	5.5	530	-300	300	73		
	3600	6.3	620	-300	280	75		
	4200	7.5	720	-280	260	78		
	5000	8.8	830	-220	210	84		
3	3000	7.5	420	-320	430	73		
	3600	8.6	620	-350	400	75		
	4200	10.0	720	-320	370	78		
	5000	12.0	830	-270	330	84		



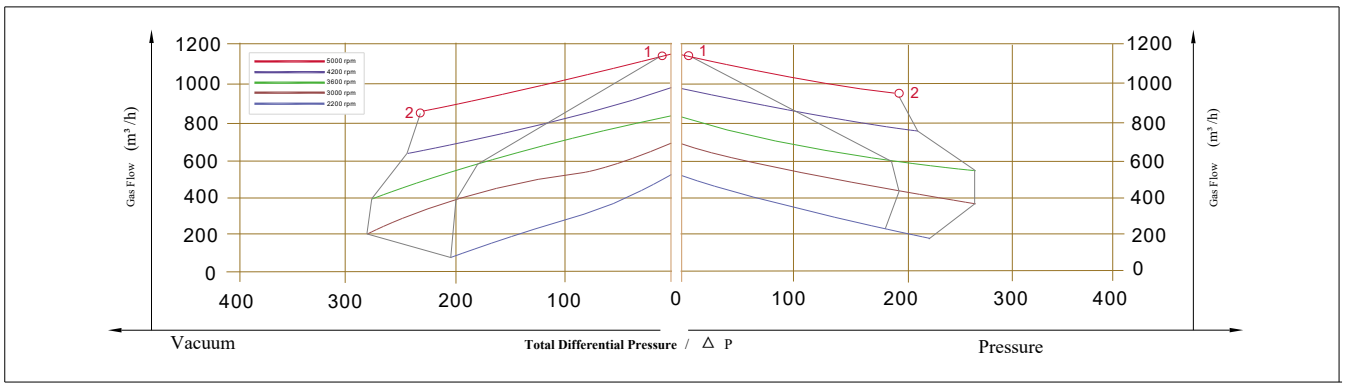
2MV 823 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	7.5	520	-400	400	74	64	1x. . .4740/ . .4840
	3600	8.6	620	-360	330	78		
	4200	10.0	730	-240	220	81		
	5000	12.0	860	-100	80	84		
2	3000	11.0	520	-430	600	74		
	3600	12.6	620	-460	600	78		
	4200	14.5	730	-480	360	81		
	5000	17.6	860	-440	290	84		
3	3000	15.0	520	-460	670	74		
	3600	17.3	620	-490	750	78		
	4200	21.1	730	-480	680	81		
	5000	24.0	860	-440	520	84		



2MV 833 1HY99 – Performance Data & Curves

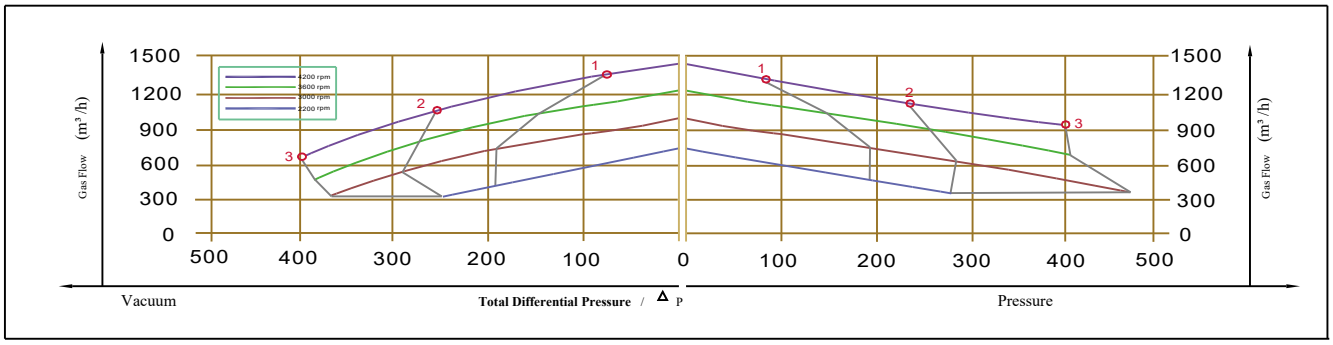
No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB(A)	Kg	2BX
1	3000	5.5	700	-200	190	73	42	1x. . .4740/ . .4840
	3600	6.3	840	-180	180	75		
	4200	7.5	980	-110	90	78		
	5000	8.8	1140	-10	10	84		
2	3000	7.5	700	-270	260	73		
	3600	8.6	840	-270	260	75		
	4200	10.0	980	-250	220	78		
	5000	12.0	1140	-240	180	84		



2MV 913 1HY99 – Performance Data & Curves

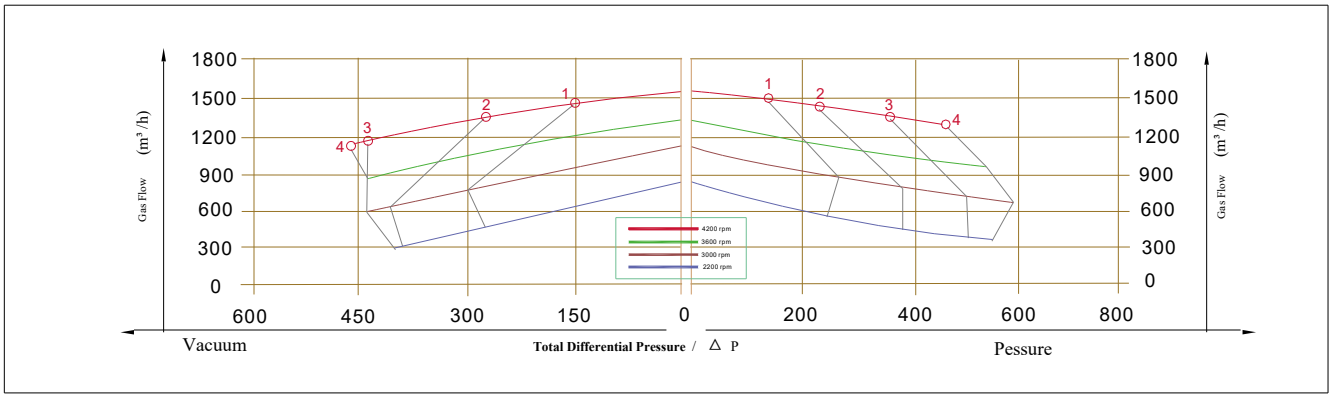



No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M3/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	8.5	1050	-190	190	74	72	1¡Á. .750/…860
	3600	9.8	1250	-150	140	79		
	4200	12.0	1400	-60	80	82		
2	3000	12.5	1050	-290	280	74		
	3600	14.5	1250	-270	260	79		
	4200	17.5	1400	-250	240	82		
3	3000	18.5	1050	-360	460	74		
	3600	21.3	1250	-380	420	79		
	4200	26.0	1400	-400	400	82		



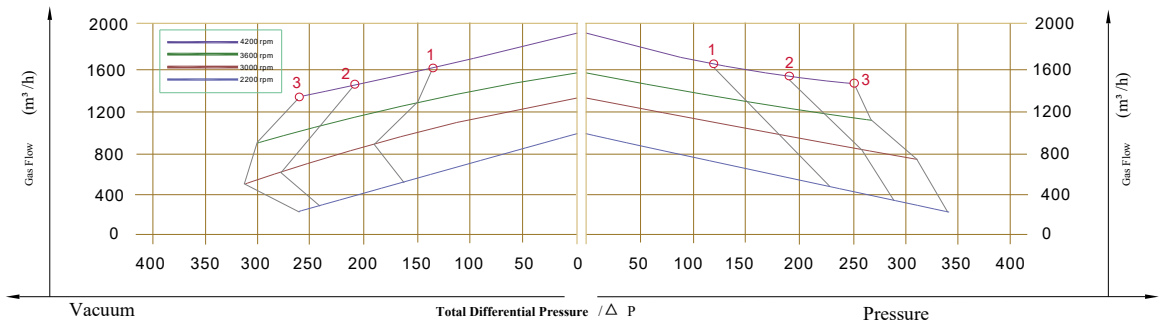
2MV 923 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³ /hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	12.5	1110	-300	270	74	110	2x 750/ 860
	3600	14.5	1310	-220	200	84		
	4200	17.5	1600	-150	130	87		
2	3000	16.5	1110	-410	370	74		
	3600	19.0	1310	-340	300	84		
	4200	21.0	1600	-270	240	87		
3	3000	20.0	1110	-440	500	74		
	3600	23.0	1310	-440	430	84		
	4200	28.0	1600	-440	340	87		
4	3000	25.0	1110	-440	590	74		
	3600	29.0	1310	-440	540	84		
	4200	35.0	1600	-460	460	87		



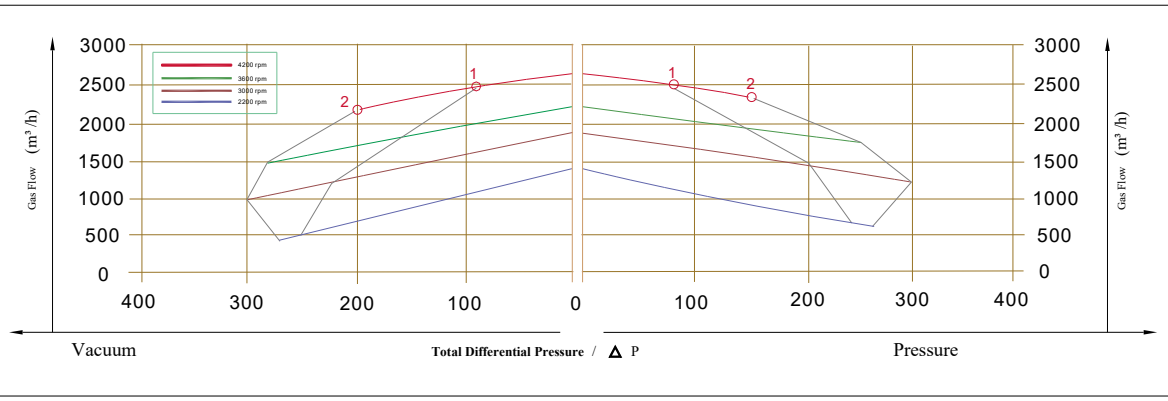
2MV 933 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	12.5	1370	-190	190	75	76	2x 750/ 860
	3600	14.5	1600	-150	150	80		
	4200	17.5	1850	-130	120	82		
2	3000	15.0	1370	-280	260	75		
	3600	17.5	1600	-240	220	80		
	4200	21.6	1850	-210	190	82		
3	3000	18.5	1370	-310	320	75		
	3600	21.3	1600	-300	280	80		
	4200	26.0	1850	-260	250	82		

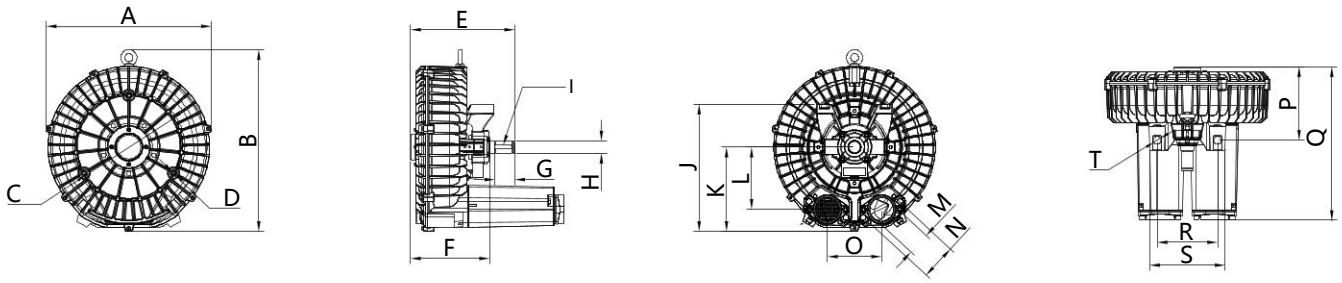


2MV 943 1HY99 – Performance Data & Curves

No.	Rated Speed	Rated Power	Max Airflow	Max Vacuum	Max Pressure	Noise Level	Approx. Weight	Vacuum Relief Valve
								Project × Type
	RPM	Kw	M³/hora	Mbar	Mbar	dB (A)	Kg	2BX
1	3000	20.0	1940	-220	200	75	118	2...750/...860
	3600	23.0	2300	-160	130	84		
	4200	28.0	2700	-90	80	87		
2	3000	25.0	1940	-300	300	75		
	3600	29.0	2300	-280	250	84		
	4200	35.0	2700	-200	150	87		

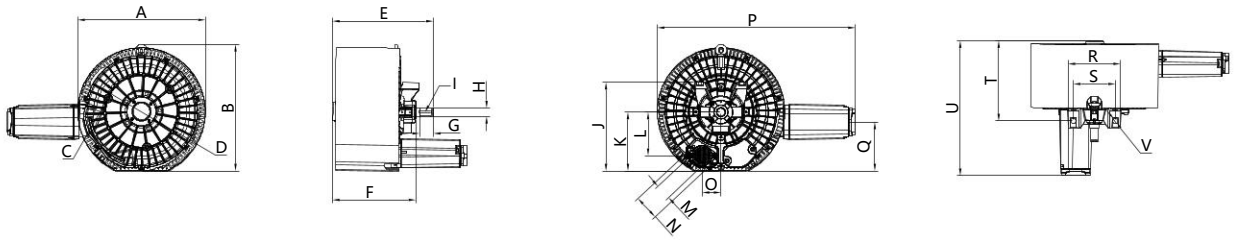


2MV Dimensions for Belt-Driven Side Channel Blower

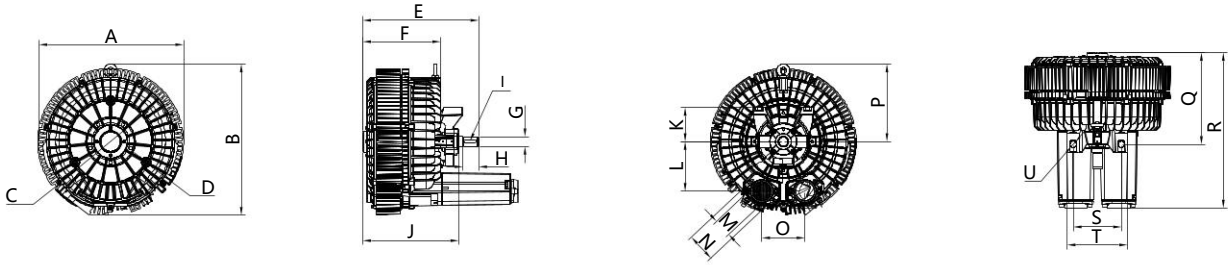


Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2MV 213 1HY99	245	244	140	M6X15	192	142	45	24	40X8X7	213	128	89	G1 1/4	64	88	129	251	125	155	14
2MV 233 1HY99	245	244	140	M6X15	201	151	45	24	40X8X7	213	128	89	G1 1/4	64	88	138	260	125	155	14
2MV 413 1HY99	286	396	174	M6X15	196	143	45	24	40X8X7	233	148	108	G1 1/2	72	114	131	261	125	155	14
2MV 433 1HY99	286	396	174	M6X15	212	158	45	24	40X8X7	233	148	108	G1 1/2	72	114	146	276	125	155	14
2MV 513 1HY99	334	368	200	M8X15	226	168	46	28	40X8X7	268	169	127	G2	83	120	155	295	140	175	18
2MV 533 1HY99	334	368	200	M8X15	246	188	46	28	40X8X7	268	169	127	G2	83	120	176	315	140	175	18
2MV 613 1HY99	360	395	226	M8X15	244	177	46	28	40X8X7	282	183	136	G2	83	122	164	316	140	175	18
2MV 633 1HY99	360	395	226	M8X15	253	194	46	28	40X8X7	282	183	136	G2	83	122	183	333	140	175	18
2MV 713 1HY99	382	419	240	M10X20	241	183	46	28	40X8X7	294	195	144	G2	83	125	171	355	140	175	18
2MV 733 1HY99	382	419	240	M10X20	250	192	46	28	40X8X7	294	195	144	G2	83	125	180	364	140	175	18

2MV Dimensions – Belt-Driven Side Channel Blower

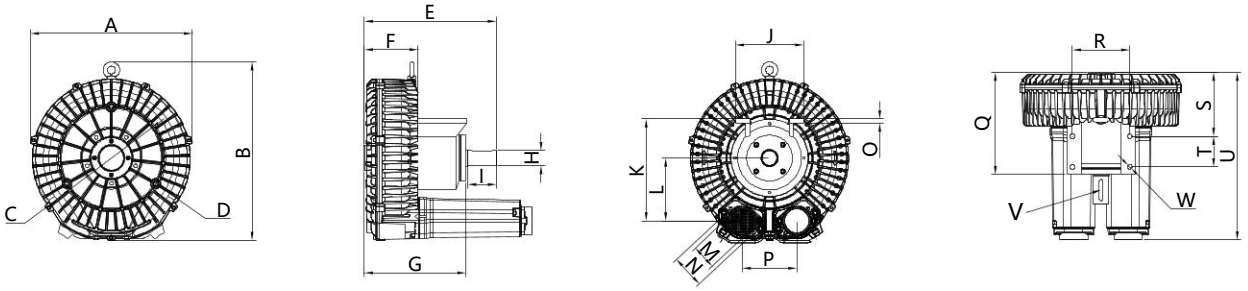


Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2MV 223 1HY99	285	270	140	M6X15	252	201	45	24	40X8X7	213	128	89	G1 1/4	64	44	479	106	155	125	189	311	14
2MV 423 1HY99	322	314	174	M6X15	273	219	45	24	40X8X7	237	152	108	G1 1/2	72	57	503	153	155	125	207	337	14
2MV 523 1HY99	371	375	200	M8X15	312	254	46	28	40X8X7	274	175	126	G2	83	60	595	145	175	140	241	380	18
2MV 723 1HY99	426	421	240	M8X15	337	279	46	28	40X8X7	296	197	144	G2	83	60	661	162	175	140	266	451	18

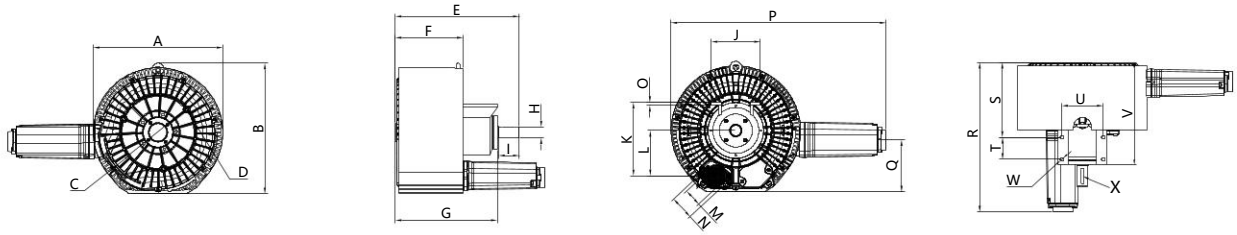


Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
2MV 743 1HY99	424	472	240	M8X15	337	226	28	46	40X8X7	279	99	144	G2	83	125	225	266	451	140	175	18

2MV8 Dimensions – Belt-Driven Side Channel Blower

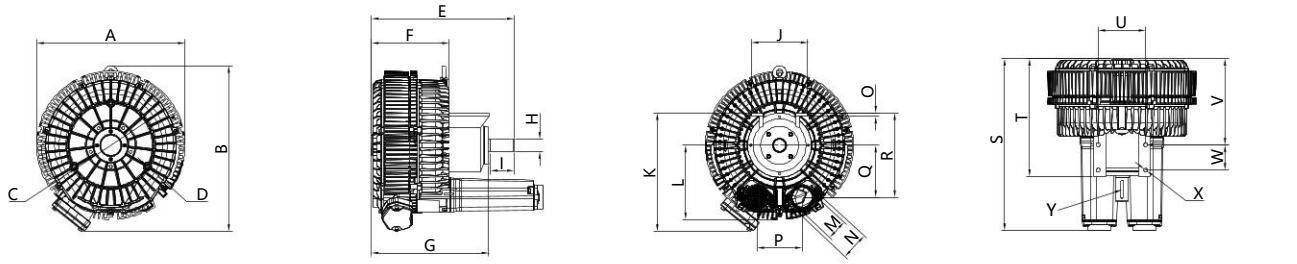


Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
2MV 813 1HY99	451	497	286	M12X15	368	150	283	42	80	190	284	175	G2 1/2	94	12	154	285	160	178	85	467	60X10X8	14
2MV 833 1HY99	451	497	286	M12X15	383	164	297	42	80	190	284	175	G2 1/2	94	12	154	299	160	193	85	481	60X10X8	14



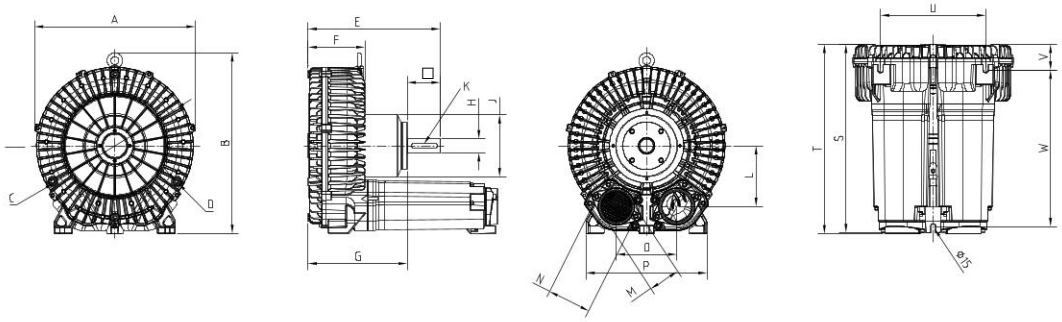
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 823 1HY99	502	502	286	M12X15	480	262	395	42	80	190	284	175	G2 1/2	94	12	833	202	579	290	85	160	396	14	60X10X8

2MV843 Dimensions – Belt-Driven Side Channel Blower



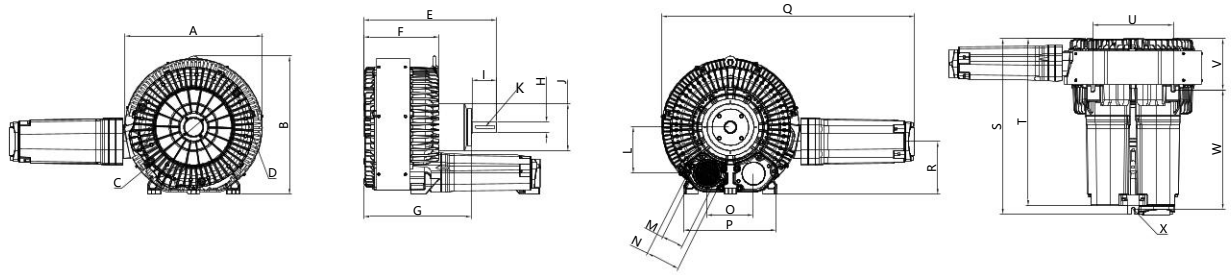
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2MV 843 1HY99	502	558	286	M12X15	480	263	395	42	80	190	290	252	G2 1/2	94	12	152	175	284	579	396	160	290	85	14	60X10X8

2MV9 Dimensions – Belt-Driven Side Channel Blower



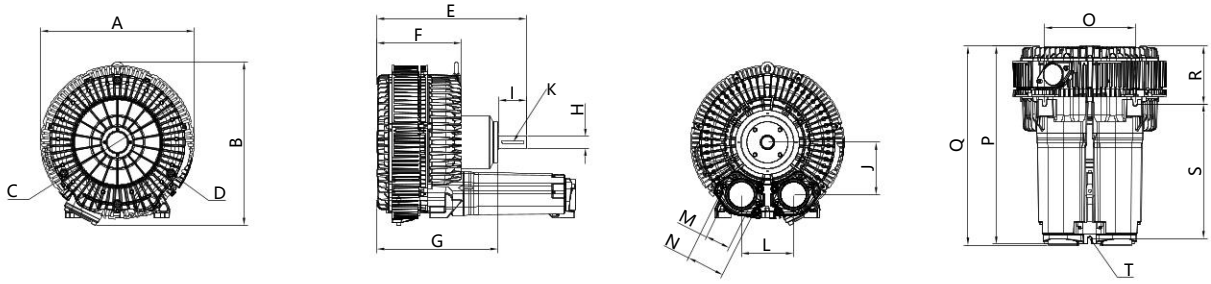
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
2MV 913 1HY99	550	618	490	M12X15	452	195	339	48	110	212	90X14X9	207	G4	150	207	414	644	648	360	88	533	15
2MV 933 1HY99	550	618	490	M12X15	490	233	377	48	110	212	90X14X9	207	G4	150	207	414	682	686	360	126	533	15

2MV9 Dimensions – Belt-Driven Side Channel Blower



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
2MV 923 1HY99	624	623	490	M12X15	594	336	480	48	110	212	90X14X9	207	G4	150	207	414	1311	236	785	789	360	229	533	15

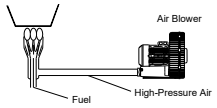
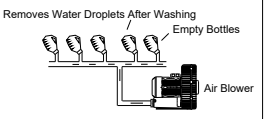
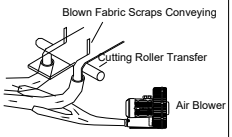
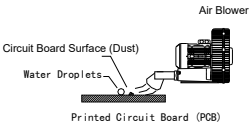
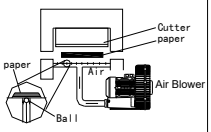
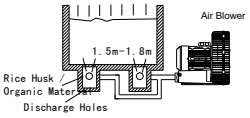
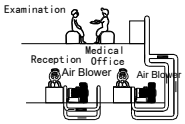
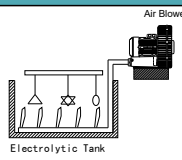
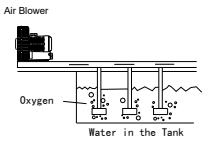
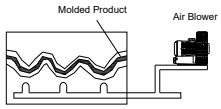
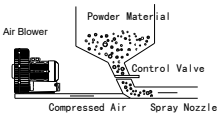
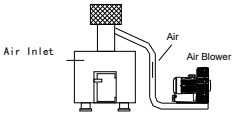
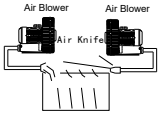
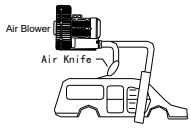
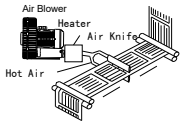
2MV943 Dimensions – Belt-Driven Side Channel Blower



Model	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	Q	R	S	T
2MV 943 1HY99	610	650	490	M12X15	594	336	480	48	110	90X14X9	207	G4	150	360	789	785	229	533	15

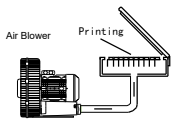
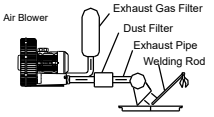
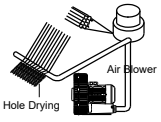
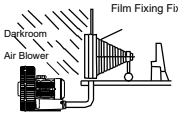
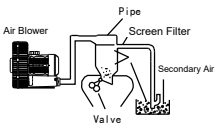
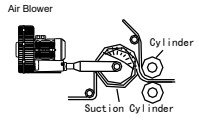
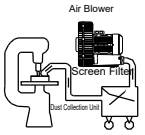
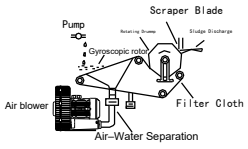
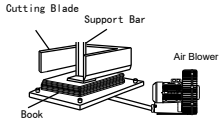
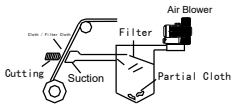
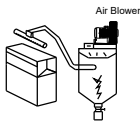
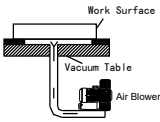
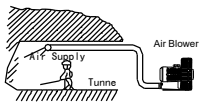
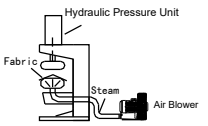
Blower Application Example

Blowing vacuum cleaner exhaust air for air transport inside a cushion.

Gas and heavy oil burst out violently	Bottle Washing and Upward Conveying	All scraps can be automatically collected after cutting	Drying with an Air Knife	Air Cushion
				
Provides High Airflow (2000 mmAq), Reducing Compressor Dependency	Beverage bottles are dried after washing, suitable for the food industry	Automatic Collection of Plastic, Fabric, Paper, etc.	The circuit board uses the blower to remove fine dust and debris	Increases Buoyancy, Easy to Move
Livestock manure ferments and produces methane gas	**Pneumatic Transport System**	**The electrolytic solution is evenly mixed**	**Oxygen Supply in Aquaculture**	**Air Blower**
				
Air is injected into the storage tank to increase oxygen and contact area, making it suitable for wastewater treatment	Air as a transmission medium is fast and precise	Air is used to agitate the electrolytic tank to ensure fast and uniform coating	Oxygen Supply in Water	Helps Seal Parts
Powder Conveying	**Incinerator**	**Exhaust Gas Emission**	**Car Washing and Drying**	**Printing and Forced Drying**
				
Conveying of Powder and Other Raw Materials	Air for Combustion and Exhaust Gas Removal	Quickly discharges exhaust gases to prevent pollution	Removes Wash Water After Drying	Fast Drying of Printing Ink

Draft Application Example

Blowing vacuum cleaner exhaust air cools the air transport in the cushion

Suction in Printing Machines	Removes exhaust gases and dust generated during welding	Vacuum System for Screen Printing	Photo Engraving	Powder Material Conveying
				
Vacuum fixation to facilitate printing operations	During welding, a vacuum line can be used to capture fumes and dust to protect the operator's health	Vacuum and fixed head improve printing quality and efficiency	Vacuum suction is used to secure the film, suitable for photographic plate manufacturing	Plastic raw materials such as granules are conveyed by blowing or suction
Printing Process	**Industrial Vacuum Cleaner**	**Vacuum Dewatering System**	**Book Making Machine**	**Filter System with Partial Cloth Coverage**
				
Vacuum printing for paper towel roll forming	Factories often generate waste dust, which is collected using a vacuum system	Applications: pulp dewatering, sludge dewatering, and filtration systems	During the process, air is removed to improve material compaction	Cloth Cutting Process
Milk Carton Filling Machine	**Tofu Processing Equipment**	**Vacuum Holding**	**Tunnel and Confined Space Ventilation**	**Industrial Heat Press**
				
Vacuum Application in Milk Carton Filling and Sealing Process	For soybean conveying and system cleaning	Holding of wood, plastic, and other non-magnetic materials	Used in tunnels and confined spaces for dust removal and partial extraction of toxic gases	During heating, the material releases steam

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