



MINGKUN AIR

Mingkunair Full Product Catalog

Side Channel / Vortex Blowers & Sliding Vane Pumps

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HT-XGB-001

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Part 1 — XGB Side Channel Blower Series

1. Series Overview

- **Oil-free, non-contact operation** — delivers clean, pulse-free air; no lubrication required.
- **Alloy die-cast aluminum housing** with high-quality bearings — fast heat dissipation, reduced friction, compact and maintenance-friendly.
- **Single-stage**, covers pressure up to 79 kPa and airflow up to 1050 m³/h across XGB-210 ~ XGB-910.
- **Integrated silencer** on inlet/outlet; star/delta wiring supports 220V / 380V (larger frames also 660V).
- Typical applications: wastewater aeration, pneumatic conveying, aquaculture, air knife blow-off, vacuum lifting, abrasive recovery.

Values in parentheses are at 60 Hz. "S" = three-phase star/delta winding. Contact us for exact curve at your voltage/frequency.

2. Full Model Selection Table (50 Hz / 60 Hz in brackets)

Model	Voltage (V)	Current (A)	Freq (Hz)	Max Pressure (kPa)	Max Flow (m³/h)	Max Vacuum (kPa)	Power (kW)	Speed (r/min)	Noise (dB)	N.W. (kg)	G.W. (kg)	Packing (cm)
XGB-210-250	220	2.5 (3.0)	50 (60)	12 (14)	48 (57)	8.5 (10)	0.25 (0.30)	2800 (3400)	<56	10.6	11.2	31x28x28
XGB-210-250S	Δ220 / Y380	1.24 / 0.72	50 (60)	12 (14)	48 (57)	8.5 (10)	0.25 (0.30)	2800 (3400)	<56	10	10.5	31x28x28
XGB-210-370	220	3.5 (4.2)	50 (60)	16 (19)	60 (70)	11 (13)	0.37 (0.44)	2800 (3400)	<56	11	11.7	31x28x28
XGB-210-370S	Δ220 / Y380	1.55 / 1.05	50 (60)	16 (19)	60 (70)	11 (13)	0.37 (0.44)	2800 (3400)	<56	10.6	11.2	31x28x28
XGB-310-550	220	4.8 (5.76)	50 (60)	20 (24)	110 (132)	16 (19)	0.55 (0.66)	2800 (3400)	<60	12.6	14.1	32x31x30
XGB-310-550S	Δ220 / Y380	2.51 / 1.45	50 (60)	20 (24)	110 (132)	16 (19)	0.55 (0.66)	2800 (3400)	<60	12	13.5	32x31x30
XGB-410-750	220	6.3 (7.56)	50 (60)	22 (25)	145 (170)	18 (20)	0.75 (0.90)	2800 (3400)	<60	16.5	18	35x32x33
XGB-410-750S	Δ220 / Y380	3.31 / 1.81	50 (60)	22 (25)	145 (170)	18 (20)	0.75 (0.90)	2800 (3400)	<60	16	17.5	35x32x33
XGB-510-1100	220	8.7 (10.44)	50 (60)	25 (30)	210 (245)	20 (24)	1.1 (1.3)	2800 (3400)	<60	23	24.7	37x37x38
XGB-510-1100S	Δ220 / Y380	4.36 / 2.52	50 (60)	25 (30)	210 (245)	20 (24)	1.1 (1.3)	2800 (3400)	<60	21.5	22.9	37x37x38
XGB-510-1500	220	11.8 (14.16)	50 (60)	26 (31)	220 (255)	21 (25)	1.5 (1.8)	2800 (3400)	<60	23.4	28	37x37x38
XGB-510-1500S	Δ220 / Y380	5.96 / 3.44	50 (60)	26 (31)	220 (255)	21 (25)	1.5 (1.8)	2800 (3400)	<60	22.5	26	37x37x38
XGB-610-2200S	Δ220 / Y380	8.52 / 4.92	50 (60)	34 (41)	300 (340)	26 (31)	2.2 (2.6)	2800 (3400)	<70	27	29.5	40x40x40
XGB-710-2200S	Δ220 / Y380	8.52 / 4.92	50 (60)	36 (43)	325 (365)	28 (33)	2.2 (2.6)	2800 (3400)	<70	29	31.5	42x42x42
XGB-710-3000S	Δ220 / Y380	11.07 / 6.39	50 (60)	37 (44)	330 (375)	29 (34)	3.0 (3.6)	2800 (3400)	<70	35	37.5	43x44x44
XGB-710-4000S	Δ380 / Y660	8.17 / 4.72	50 (60)	38 (45)	340 (385)	30 (35)	4.0 (4.8)	2800 (3400)	<70	37	40	43x44x44
XGB-810-3000S	Δ220 / Y380	11.07 / 6.39	50 (60)	37 (44)	430 (475)	29 (34)	3.0 (3.6)	2800 (3400)	<70	44	51	46x46x50
XGB-810-4000S	Δ380 / Y660	8.17 / 4.72	50 (60)	38 (45)	475 (525)	30 (35)	4.0 (4.8)	2800 (3400)	<70	47	54	46x46x50
XGB-810-5500S	Δ380 / Y660	11.1 / 6.4	50 (60)	42 (50)	530 (616)	34 (38)	5.5 (6.6)	2800 (3400)	<70	62	71	48x50x52
XGB-810-7500S	Δ380 / Y660	15 / 8.6	50 (60)	45 (52)	550 (640)	35 (42)	7.5 (9.0)	2800 (3400)	<70	65	74	48x50x52
XGB-910-9000S	Δ380 / Y660	18 / 10.4	50 (60)	70 (80)	1000 (1150)	40 (52)	9.0 (10.3)	2800 (3400)	<70	100	125	69x58x61
XGB-910-11000S	Δ380 / Y660	21 / 12.1	50 (60)	75 (85)	1050 (1200)	40 (52)	11 (12.5)	2800 (3400)	<70	120	135	69x58x61
XGB-910-15000S	Δ380 / Y660	28 / 16.2	50 (60)	77 (87)	1050 (1200)	40 (52)	15 (17.2)	2800 (3400)	<70	125	140	69x58x61
XGB-910-18000S	Δ380 / Y660	34 / 19.6	50 (60)	79 (89)	1050 (1200)	40 (52)	18 (20.7)	2800 (3400)	<70	130	145	69x58x61

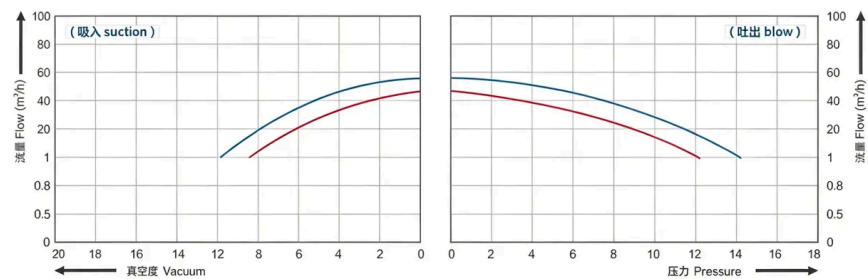
3. Performance Curves



XGB210-250

● 50HZ 0.25KW

● 60HZ 0.30KW



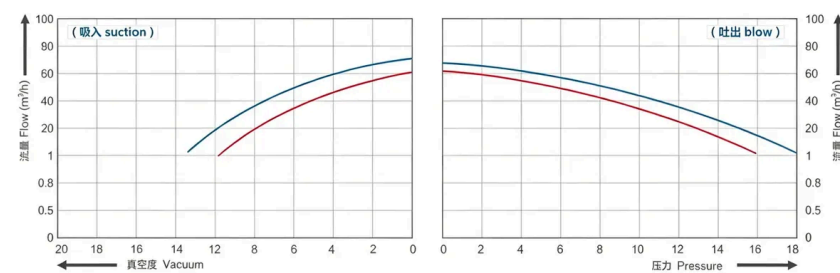
XGB210-250



XGB210-370

● 50HZ 0.37KW

● 60HZ 0.44KW



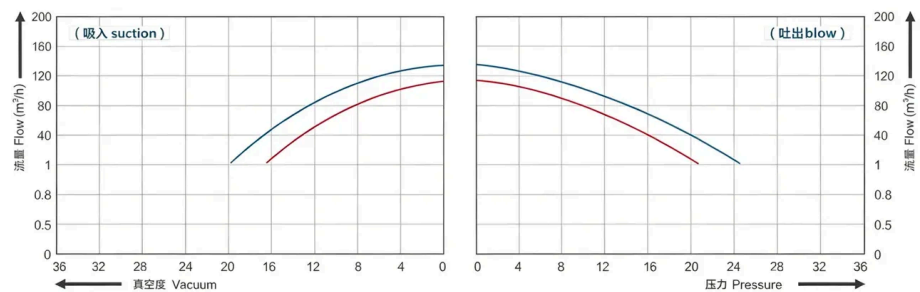
XGB210-370



XGB310-550

● 50HZ 0.55KW

● 60HZ 0.66KW



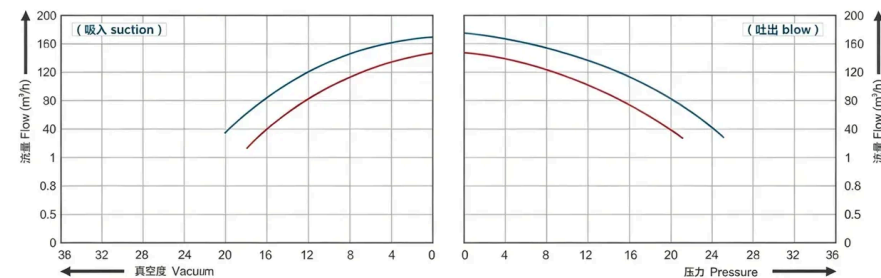
XGB310-550



XGB410-750

● 50HZ 0.75KW

● 60HZ 0.9KW



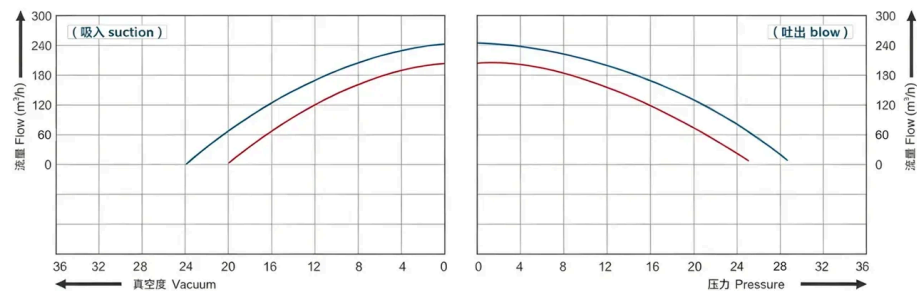
XGB410-750



XGB510-1100

● 50HZ 1.1KW

● 60HZ 1.3KW



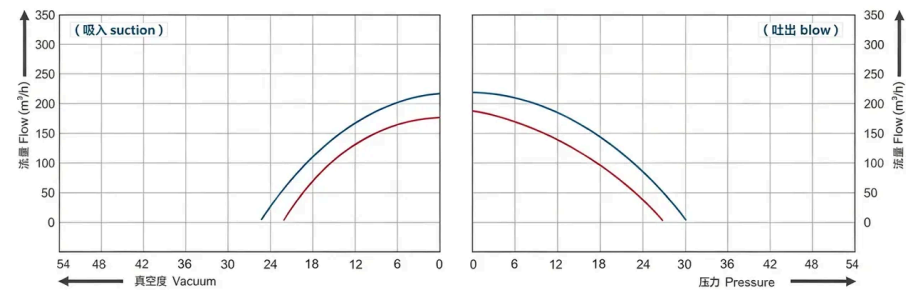
XGB510-1100



XGB510-1500

● 50HZ 1.5KW

● 60HZ 1.8KW



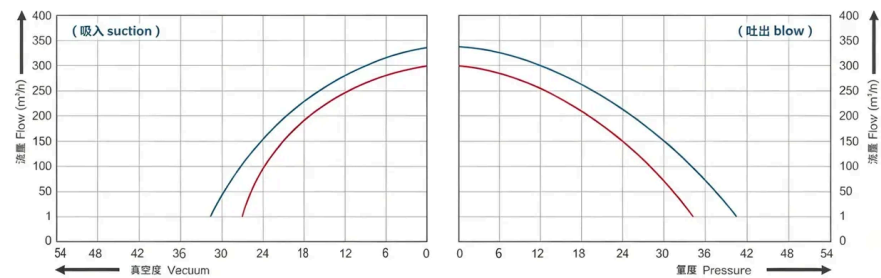
XGB510-1500



XGB610-2200

● 50HZ 2.2KW

● 60HZ 2.6KW



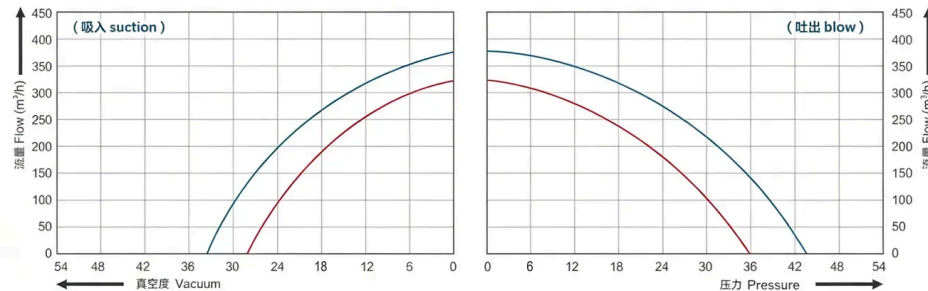
XGB610-2200



XGB710-2200

● 50HZ 2.2KW

● 60HZ 2.6KW



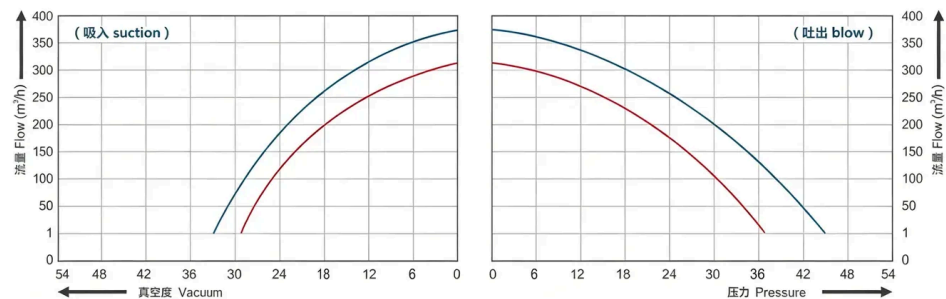
XGB710-2200



XGB710-3000

● 50HZ 3.0KW

● 60HZ 3.6KW



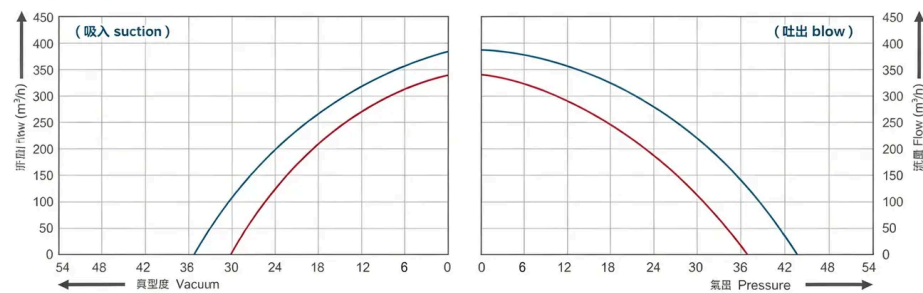
XGB710-3000



XGB710-4000

● 50HZ 4.0KW

● 60HZ 3.6KW



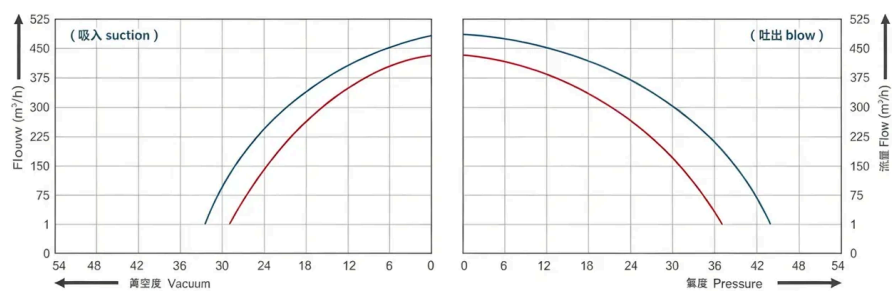
XGB710-4000



XGB810-3000

● 50HZ 3.0KW

● 60HZ 3.6KW



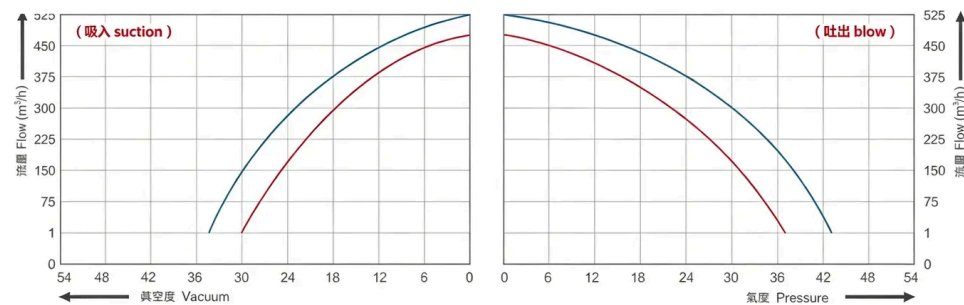
XGB810-3000



XGB810-4000

● 50HZ 4.0KW

● 60HZ 4.8KW



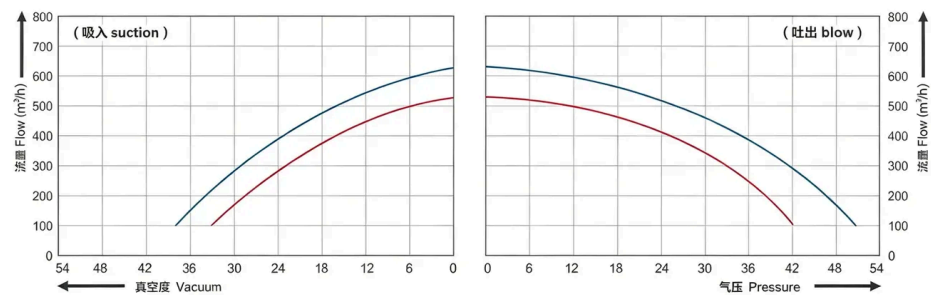
XGB810-4000



XGB810-5500

● 50HZ 5.5KW

● 60HZ 6.6KW



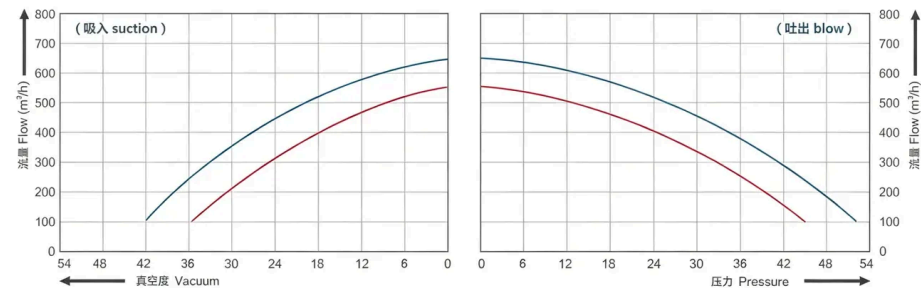
XGB810-5500



XGB810-7500

● 50HZ 7.5KW

● 60HZ 9.0KW



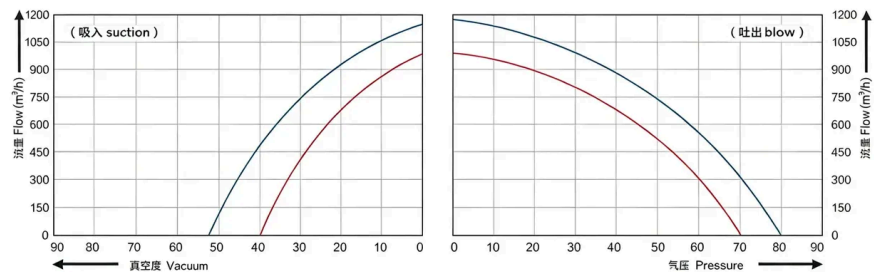
XGB810-7500



XGB910-9000

● 50HZ 9.0KW

● 60HZ 10.3KW



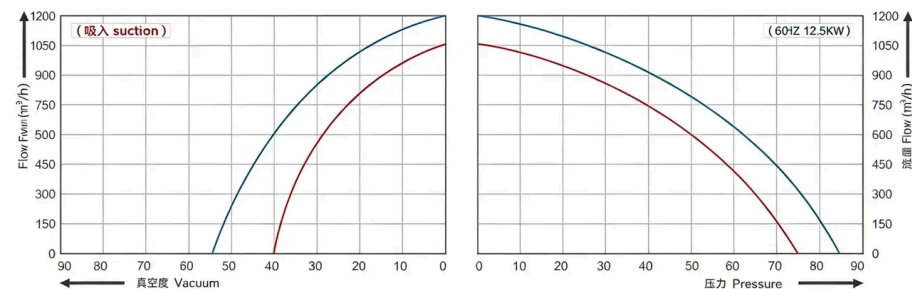
XGB910-9000



XGB910-11000

● 50HZ 11KW

● 60HZ 12.5KW



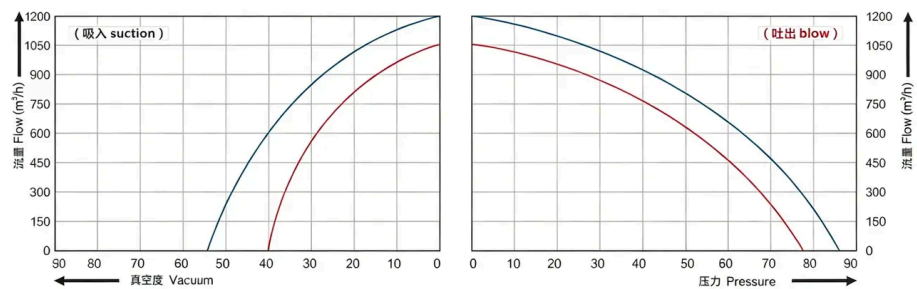
XGB910-11000



XGB910-15000

● 50HZ 15KW

● 60HZ 17.2KW



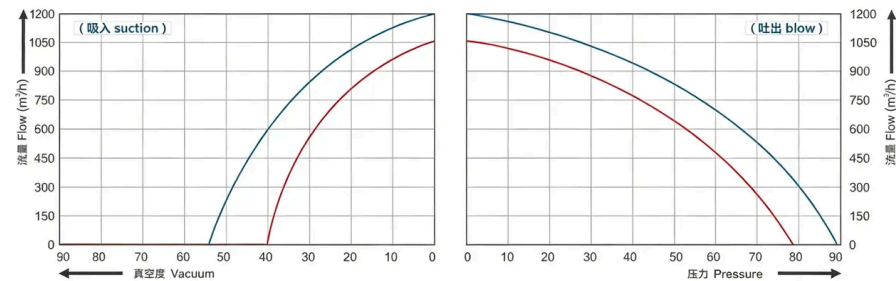
XGB910-15000



XGB910-18000

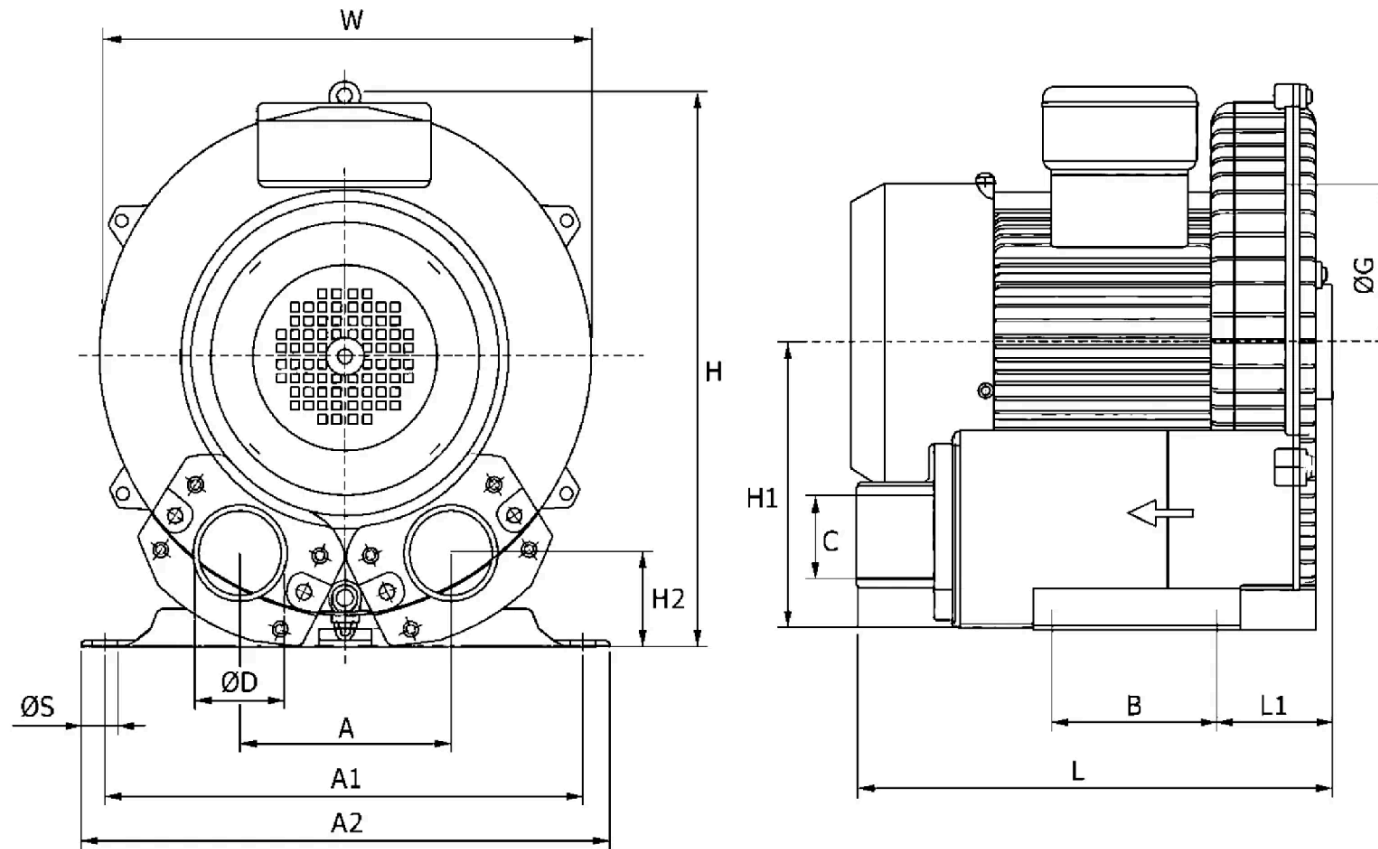
● 50HZ 18KW

● 60HZ 20.7KW



XGB910-18000

4. Outline Dimensions



Model	L	W	H	H1	H2	A	A1	A2	L1	B	G	D	S	C (port)
XGB-210-250	260	246	247	120	37	90	205	235	62	83	Ø140	Ø49	8.5	G1¼
XGB-210-370	260	246	247	120	37	90	205	235	62	83	Ø140	Ø49	8.5	G1¼
XGB-310-550	277	268	272	155	47	93	205	265	66	83	Ø162	Ø49	12	G1½
XGB-410-750	300	286	302	165	58	111	225	265	80	95	Ø173	Ø50	12	G1½
XGB-510-1100	325	335	340	190	61.5	115	270	300	30	140	Ø200	Ø60	14	G2
XGB-510-1500	325	335	340	190	61.5	115	270	300	30	140	Ø200	Ø60	14	G2
XGB-610-2200	350	362	365	192	61	120	290	326	95	140	Ø246	Ø60	14	G2

XGB-710-2200	377	382	385	192	56	125	290	326	103	140	Ø256	Ø60	14	G2
XGB-710-3000	377	382	385	192	56	125	290	326	103	140	Ø256	Ø60	14	G2
XGB-710-4000	377	382	385	192	56	125	290	326	103	140	Ø256	Ø60	14	G2
XGB-810-3000	402	408	410	210	56	140	313	345	103	140	Ø256	Ø60	14	G2
XGB-810-4000	435	418	470	237	110	143	315	330	113	185	Ø280	Ø76	14	G2½
XGB-810-5500	475	446	480	250	118	148	360	415	100	170	Ø288	Ø76	15	G2½
XGB-810-7500	475	446	480	250	118	148	360	415	100	170	Ø288	Ø76	15	G2½
XGB-910-9000	660	550	570	300	92	207	360	415	89	-	490	Ø110	-	G4
XGB-910-11000	660	550	570	300	92	207	360	415	89	-	490	Ø110	-	G4
XGB-910-15000	660	550	570	300	92	207	360	415	89	-	490	Ø110	-	G4
XGB-910-18000	660	550	570	300	92	207	360	415	89	-	490	Ø110	-	G4

All dimensions in mm. Ø = diameter; C = threaded port size. Refer to dimension drawing above for position of each symbol.

5. Options & Connections

- Inlet/outlet threaded ports; flange connections available on request.
- Optional: inlet filter / filter-silencer set, check valve, pressure relief valve, flexible connectors.
- Multi-voltage: 220V single-phase, Δ220/Y380 three-phase, larger frames Δ380/Y660; 50/60 Hz versions.
- Custom bearing (NSK option), special coatings.

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Specifications are subject to change without notice. Values are reference; confirm exact performance for your voltage/frequency before ordering.

Part 2 — XZ Sliding Vane Pump Series

1. Series Overview

- **High-efficiency rotor assembly, durable cast aluminum housing** — compact, light, reliable.
- **Dry running, oil-free** — clean exhaust, no oil mist; self-lubricating graphite vanes.
- Creates **vacuum for suction** and **over-pressure as compressed air** from one compact unit.
- Widely used in **banknote counters & sorters (financial sorting), printing, packaging, cigarette making, dust extraction, ceramics, heat treatment** and similar light-duty intermittent applications.
- Compact design, easy maintenance, long service life. Single-phase 200V/50Hz standard; 110V/60Hz single-phase or 60Hz three-phase configurable on request.

XZ vane pumps are designed for intermittent duty cycles (as in banknote counters/sorters). For 24/7 continuous operation, please choose our XGB side channel blower series.

2. Model Comparison Table (50 Hz)

Model	Capacity (m³/h)	Rated Vacuum (MPa)	Pressure (MPa)	Noise dB(A)	Power / Voltage	Speed (r/min)	Weight (kg)	Dimensions L×W×H (mm)
XZ-1.5	5	0.088	0.04	67	Single phase 200V / 50Hz	2800	6.5	220 × 120 × 122
XZ-1.7	6.5	0.09	0.09	68	Single phase 200V / 50Hz	1400	12.5	370 × 200 × 220
XZ-3.3	12	0.09	0.07	69	Single phase 200V / 50Hz	1400	17	370 × 200 × 240
XZ-4.2	15	0.09	0.06	70	Single phase 200V / 50Hz	1400	20	405 × 200 × 290

Multi-voltage: 110V/60Hz single-phase or 60Hz three-phase configurable on request.

3. Product Appearance & Dimensions



XZ-1.5
220 x 120 x 122 mm



XZ-1.7
370 x 200 x 220 mm



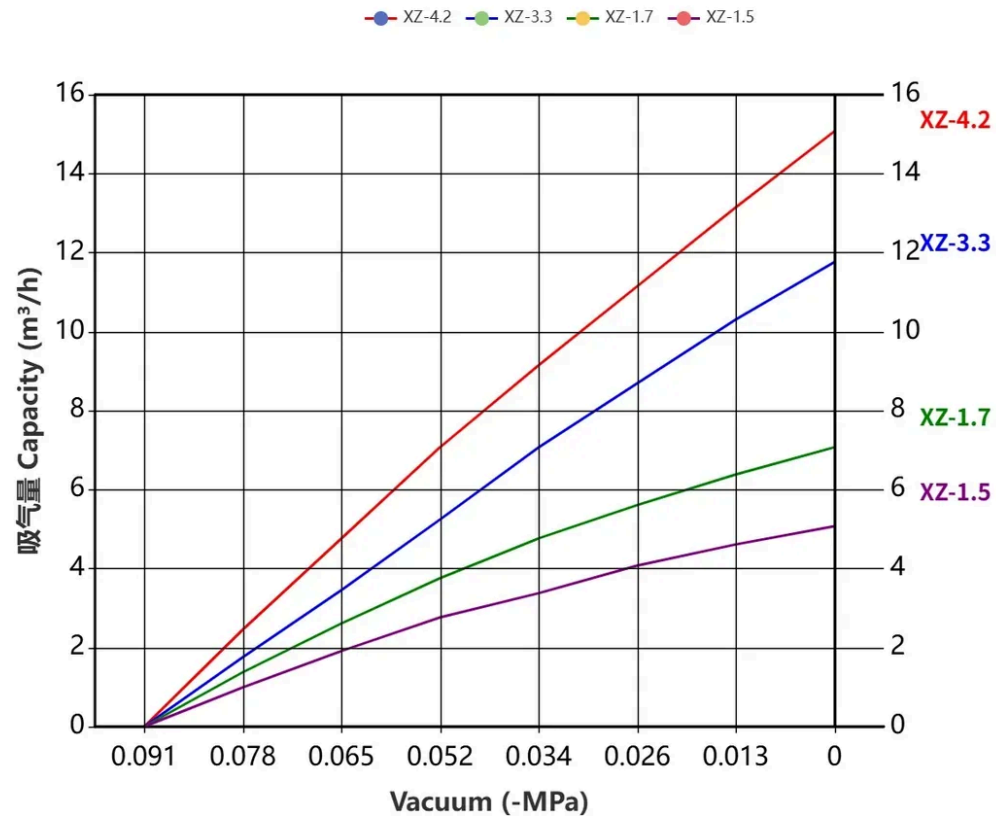
XZ-3.3
370 x 200 x 240 mm



XZ-4.2
405 x 200 x 290 mm

4. Performance Curve (Series)

Mingkun XZ Rotary Vane Pump Performance Curve



Series reference curve; per-model curves available on request.

5. Options & Connections

- Inlet air filter; check valve; pressure/vacuum gauge optional.
- Graphite vanes are a wear item and can be replaced easily as a service kit.
- Custom voltages / frequencies; special port orientations on request.

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