

Auxiliary components

HVB

HANWHA



Utility

The maximum rated power of the fan is 19KW

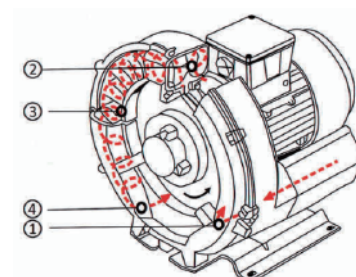
Product characteristics

- *Improving traditional processes by placing bearings in front and increasing working stability
- *Using some imported accessories to extend service life
- *The casing is made of high-quality aluminum alloy through one-time die casting, and the processing of the components is completed during cutting to ensure accuracy. Traditional processes are improved to ensure accuracy
- *The design of the impeller has been accurately calculated and certified, resulting in a 20% improvement in performance compared to similar products at the same power



Product structure

- *The impeller of the air ring pump is installed on the motor rotor and undergoes non-contact compression. The pump shaft is installed outside the compression chamber and operates at the maximum pressure difference to ensure the maximum reliability of the mechanical operation.
- *The gas is sucked in from suction port 1 and enters side channel 2. The impeller 3 rotates to accelerate the gas outward and increase pressure.
- *The kinetic energy of the gas increases, and the gas pressure along the side channel increases. The side channel narrows at the outlet, and the gas is squeezed out of the blades and discharged from the pump body through the outlet muffler 4.



Product advantages

- *Flexible connection of vacuum suction cups
- *Ball and socket with O-ring seals
- *The fulcrum of the curved part is low



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HVB Ordering NO

HVB	220	5	2	0	H*6
1	2	3	4	5	6

1-Series

HVB

Fan

2- Power

220

2.2KW

300

3KW

400

4KW

3-Number

5/4/7/8/9

4-Flow rate

1

Single blade wheel

430

4.3KW

2

Double bladed wheel

750

7.5KW

3

Single segment high traffic

850

8.5KW

4

Dual stage high flow rate

1100

11KW

5-Installation method

0

Arbitrary installation

1

Parallel installation

2

Special installation

3

Vertical installation

6- Voltage

H*6

 Three phase Δ 220-240V/Y345-415V

H*7

 Three phase Δ 345-415V/Y600-720V

A*1

Single phase 220-240V



HVB Technical Data

Models	Frequency [HZ]	Power [KW]	Voltage [V]	Current [A]	Maximum exhaust and suction flow rate [m3/h]	Vacuum pressure [mbar]	Compression pressure [mbar]	Noise dB[A]	Weight [kg]
HVB-220-420-A41	50	2.2	200-240	10	150	-265	265	66	31
HVB-220-420-H46	50	2.2	200-240 Δ 345-415Y	9.7 Δ /5.6Y	150	-330	420	66	27
HVB-220-520-H36	50	2.2	200-240 Δ 345-415Y	9.7 Δ /5.6Y	230	-290	360	72	25
HVB-300-520-H46	50	3	200-240 Δ 345-415Y	12.5 Δ /7.2Y	230	-340	410	72	40
HVB-400-520-H57	50	4	345-415 Δ 600-720Y	10 Δ /5.8Y	230	-390	490	72	44
HVB-430-720-H37	50	4.3	345-415 Δ 600-720Y	10 Δ /5.2Y	320	-360	380	73	54
HVB-550-720-H47	50	5.5	345-415 Δ 600-720Y	13.3 Δ /7.7Y	320	-440	500	73	66
HVB-750-720-H57	50	7.5	345-415 Δ 600-720Y	16.7 Δ /9.6Y	320	-440	570	73	73
HVB-550-810-H17	50	5.5	345-415 Δ 600-720Y	12.9 Δ /7.4Y	530	-300	320	70	63
HVB-750-820-H27	50	7.5	345-415 Δ 600-720Y	16.7 Δ /9.6Y	520	-400	400	74	86
HVB-1100-820-H37	50	11	345-415 Δ 600-720Y	28.0 Δ /16.2Y	520	-430	600	74	104
HVB-1100-840-H37	50	11	345-415 Δ 600-720Y	28.0 Δ /16.2Y	900	-280	370	74	110
HVB-850-910-H07	50	8.5	345-415 Δ 600-720Y	18.2 Δ /10.5Y	1050	-210	210	74	93



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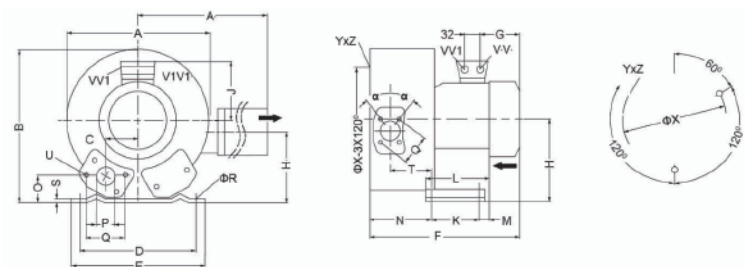


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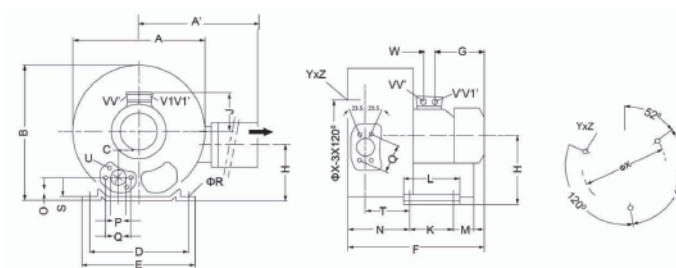


HVB Design Data



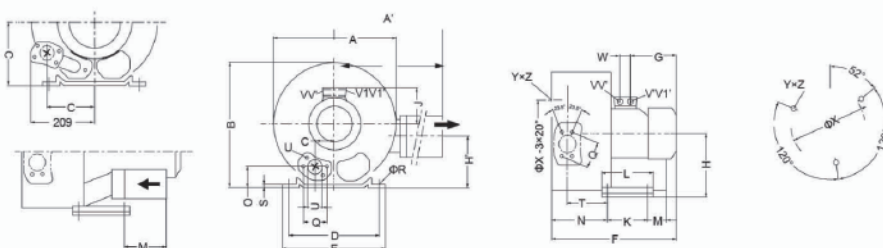
HVB-220-420

Model	Phase	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V(3~)	V'(3~)	a	φX	YXZ
HVB-220-420-H46	3~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G-1/2	72	12	3	104	M6X19	M25×1.5	M16×1.5	28°	174	M6X15



HVB-300/400-520

Model	Phase	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V	V'	φX	YXZ	X-Holes	W
HVB-300-520-H46	3~	372	411	371	60	260	295	465	190	175	144	135	115	155	98	171	48	G2	83	14	4	116	M8X17	M25X1.5	M25X1.5	200	M8X20	51.5°/171.5° /291.5°	42
HVB-400-520-H57	3~	372	411	371	60	260	295	499	224	175	144	135	115	155	98	171	48	G2	83	14	4	116	M8X17	M25X1.5	M25X1.5	200	M8X20	51.5°/171.5° /291.5°	42



HVB 430/550/750-720

Model	Phase	A	A'	B _{VV}	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V1	V1'	φX	YXZ	X-Holes	W
HVB-430-720-H37	3~	426	426	410	63	290	325	526	209	197	162	148	140	180	84	205	53	G2	83	15	4.5	130	M8X17	M25×1.5	M25×1.5	240	M10X20	51.5°/171.5° /291.5°	42
HVB-550-720-H47	3~	426	426	410	154	290	325	571	226	197	162	167	140	180	200	205	53	G2	83	15	4.5	130	M8X17	M25×1.5	M25×1.5	240	M10X20	51.5°/171.5° /291.5°	42
HVB-750-720-H57	3~	426	426	410	154	290	325	571	226	197	162	167	140	180	200	205	53	G2	83	15	4.5	130	M8X17	M25×1.5	M25×1.5	240	M10X20	51.5°/171.5° /291.5°	42



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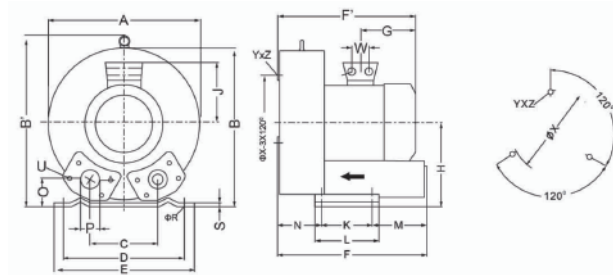
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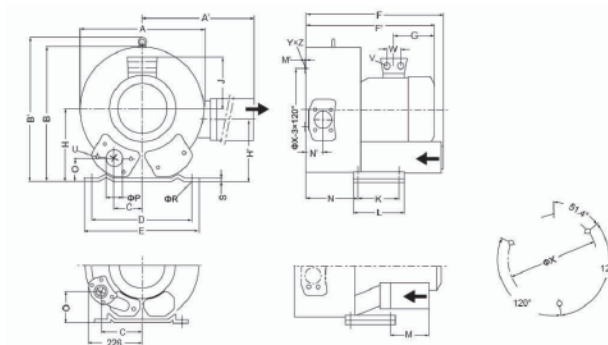


Utility



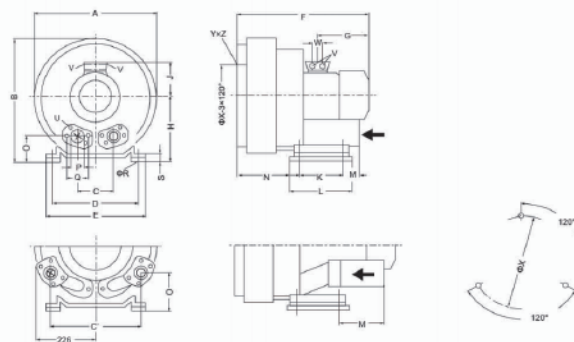
HVB 550-810

Model	Phase	A	B	B'	C	D	E	F	F'	G	H	J	K	L	M	N	O	P	φR	S	V	W	φX	YXZ	X-Holes
HVB-550-810-H17	3~	451	461	509	152	356	394	433	477	226	240	167	170	217	140	124	65	G2-1/2	15	6	2XM25X1.5	42	286	M12X20	0°/120°/240°



HVB-750/1100-820

Model	Phase	A	A'	B	B'	C	D	E	F	F'	G	H	H'	J	K	L	N	N'	O	P	φR	S	V	W	φX	YXZ	X-Holes
HVB-750-820-H27	3~	500	549	490	509	76	356	394	545	589	226	240	199	167	170	217	236	84	65	G2-1/2	15	6	2XM25X1.5	42	286	M12X20	514°/120°/240°
HVB-1100-820-H37	3~	500	549	490	509	76	356	394	545	694	318	240	199	197	170	217	212	84	105	G2-1/2	15	6	2XM32X1.5	54	286	M12X20	514°/120°/240°



HVB-1100-840

Model	Phase	A	B	C'	D	E	F	G	H	J	K	L	M	N	O	P	φR	S	V	W	φX	YXZ	X-Holes
HVB-1100-840-H37	3~	500	550	336	356	394	694	318	300	197	170	217	312	212	165	G2-1/2	15	66	2XM32X1.5	54	286	M12X20	0°/120°/240°

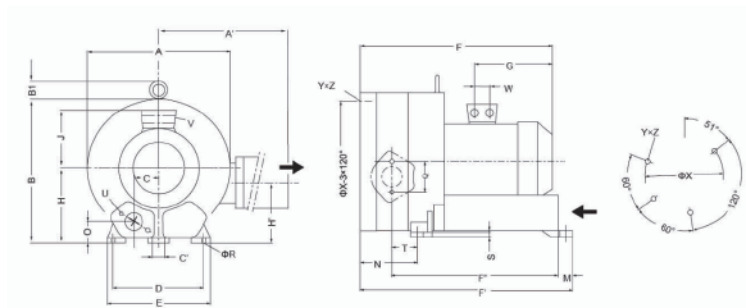
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HVB-1650-840

Model	Phase	A A'	B B1	C C'	D	E	F F'	F''	G	H H'	J	K	M	N	O	P	Q φR	S	T	U	V	W	φX	YZ	X-Holes						
HVB-1650-840-H37	3~	615	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	G4	150	15	21	117	M10X30	2XM32X1.5	54	490	M12X30	51.4°/120°/240°



Optional Accessories

Plastic filter bucket



Iron filter bucket



Plastic simple filter bucket



Iron simple filter bucket



Aluminum pressure relief valve



Plastic pressure relief valve



Stainless steel external muffler

