VERATTI

High pressure vortex air pump
Industrial dust collector
Y series motor

VERATTI ELECTRICAL CO., LTD.

VERATTI

VOV

CERTIFICATE OF CONFORMITY

EU-LOW VOLTAGE DIRECTIVE-2006/95/EC

Registration NO.: VT1202011

Applicant:

Applicant Address:

Product Description:

Model / Parameters:

Complies with the requirements of the European Community Directive 2006/95/EC. The authorized products have been tested by us with the listed standards and found in compliance with the following European Standards:

EN 60335-1:2002+A2:2006 EN 60335-2-41:2003+A2:2010

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licensee (applicant's) disposal. This certificate does not imply assessment of the series production of the product. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.

CE Authorized by: Mar 19, 2012 Chief Assessor

VOV CERTIFICATION & TESTING LABORATORY LIMITED

THIS CERTIFICATE REFLECTS THE FINDINGS OF THE TIME AND PLACE OF THE AUDIT THE CERTIFICATION IS ONLY VALID WITH THE TEST REPORT OR TECHNICAL CONSTRUCTION FILE

Internet site: www.vov.org.uk E-mail: vov@vov.org.uk

LEADER OF VORTEX BLOWER / VORTEX AIR PUMP

Company Introduction

Taizhou **VERATTI** Electrical Co., Ltd. is a modern and comprehensive enterprise that integrates design, research, development, manufacture, sales into one. We are specialized in designing, manufacturing and selling vortex air pump, ring blower, high pressure fan, gas ring vacuum pump, motor series etc.

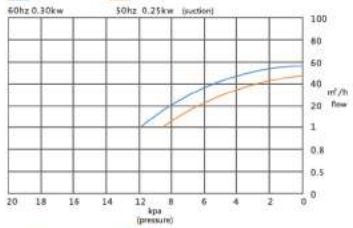
Our Manufacture Base is located in Wenling, Taizhou city with charming scenery and convenient transport facilities.

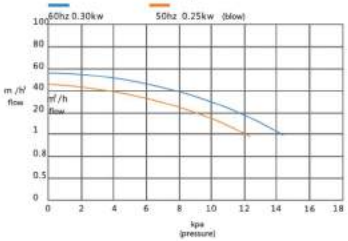
Ningbo-Taizhou-Wenzhou Expressway and high speed rail way cross Taizhou Wenling city. It is only 5km away from Luqiao Airport and Wenling Railway Station. Ningbo and Shanghai port are within very short distance away.

VERATTI persists in high-tech innovation. We keeps surpassing ourselves. At the same time of pursuing high quality, it continuously perfects its service system. We always abides by core concept of "equality, mutual benefits, fine credit and sincerity" .We look forward to promoting the more excellent products to global markets.

GB-250

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)





GB-370

GB series vortex air pump performance curve
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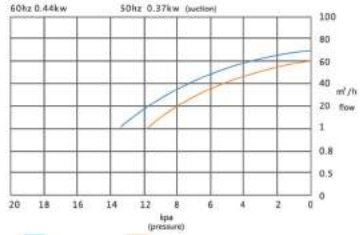
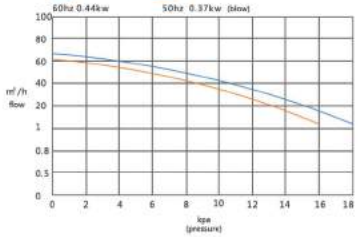
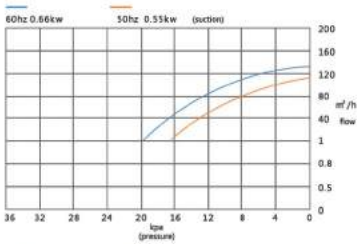


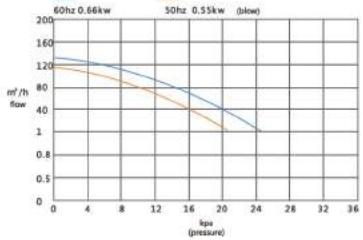


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-250	220	2.5(3.0)	50(60)	12(14)	48(57)	8.5(10)	0.25(0.30)	2800(3400)	<56	10.6	11.2	31×28×28
GB-250S	△220 Y380	1.24(1.68) 0.72(0.97)	50(60)	12(14)	48(57)	8.5(10)	0.25(0.30)	2800(3400)	<56	10	10.5	31×28×28
GB-370	220	3.5(4.2)	50(60)	16(19)	60(70)	11(13)	0.37(0.44)	2800(3400)	<56	11	11.7	31×28×28
GB-370S	△220 Y380	1.55(2.11) 1.05(1.16)	50(60)	16(19)	60(70)	11(13)	0.37(0.44)	2800(3400)	<56	10.6	11.2	31×28×28

GB-550

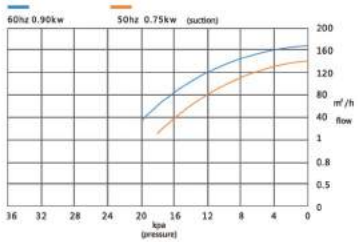
GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

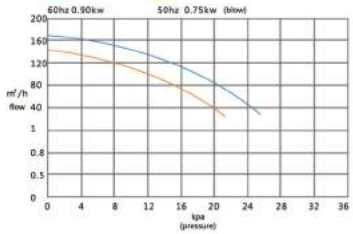




GB-750

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

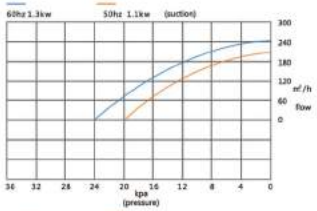


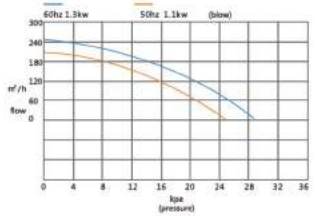


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-550	220	4.8(5.76)	50(60)	20(24)	110(132)	16(19)	0.55(0.66)	2800(3400)	<60	12.6	14.1	32×31×30
GB-550S	△220 Y380	2.51(3.01) 1.45(1.74)	50(60)	20(24)	110(132)	16(19)	0.55(0.66)	2800(3400)	<60	12	13.5	32×31×30
GB-750	220	6.3(7.56)	50(60)	22(25)	145(170)	18(20)	0.75(0.90)	2800(3400)	<60	16.5	18.0	35×32×33
GB-750S	△220 Y380	3.31(4.10) 1.81(2.37)	50(60)	22(25)	145(170)	18(20)	0.75(0.90)	2800(3400)	<60	16.0	17.5	35×32×33

GB-1100

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)





GB-1500

GB series vortex air pump performance curve
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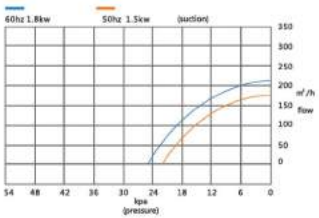
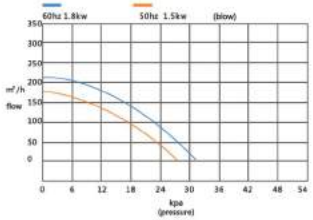
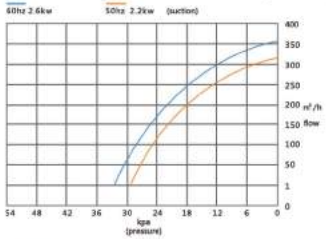


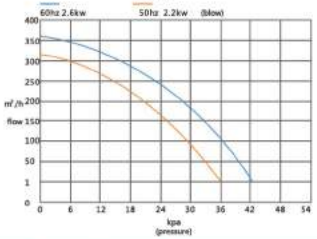


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-1100	220	8.7(10.44)	50(60)	25(30)	210(245)	20(24)	1.1(1.3)	2800(3400)	<60	23	24.7	37×37×38
GB-1100S	△220 Y380	4.36(5.88) 2.52(3.42)	50(60)	25(30)	210(245)	20(24)	1.1(1.3)	2800(3400)	<60	21.5	22.9	37×37×38
GB-1500	220	11.8(14.16)	50(60)	26(31)	220(255)	21(25)	1.5(1.8)	2800(3400)	<60	23.4	28	37×37×38
GB-1500S	△220 Y380	5.96(8.20) 3.44(4.74)	50(60)	26(31)	220(255)	21(25)	1.5(1.8)	2800(3400)	<60	22.5	26	37×37×38

GB-2200

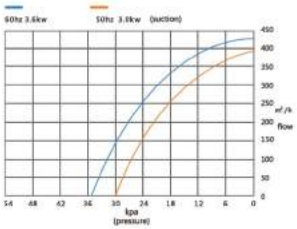
GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

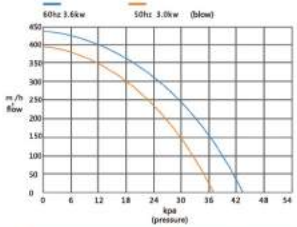




GB-3000

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)





Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-2200S	△220 Y380	8.52(10.22) 4.92(5.91)	50(60)	36(43)	325(365)	28(33)	2.2(2.6)	2800(3400)	<70	29	31.5	42×42×42
GB-3000S	△220 Y380	11.07(13.29) 6.39(7.67)	50(60)	37(44)	390(430)	30(35)	3.0(3.6)	2800(3400)	<70	38	43.5	43×44×44

GB-4000

GB series vortex air pump performance curve
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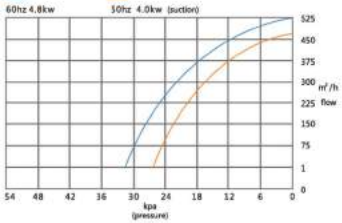

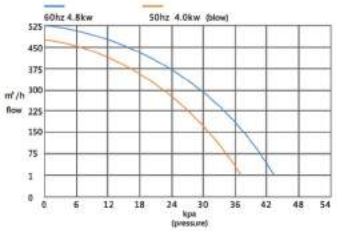

GB-5500

GB series vortex air pump performance curve
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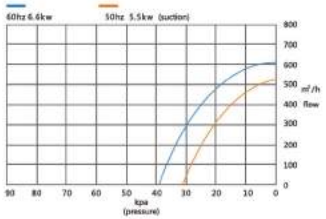

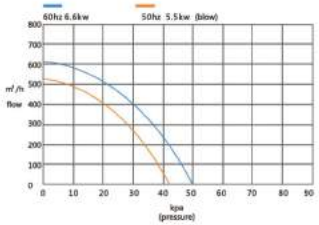

Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-4000S	△220 Y380	14.15(16.97) 8.17(9.8)	50(60)	38(45)	475(525)	28(33)	4.0(4.8)	2800(3400)	<70	47	54	46×46×50
GB-5500S	△220 Y380	19.23(23.21) 11.1(13.4)	50(60)	42(50)	530(616)	34(38)	5.5(6.6)	2800(3400)	<70	62	71	48×50×52

GB-7500

GB series vortex air pump performance curve
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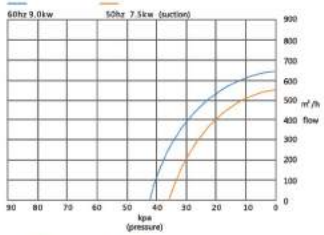

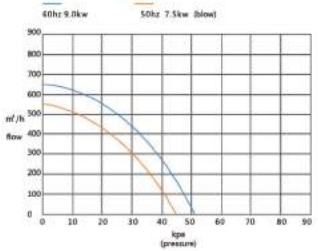

GB-11000

GB series vortex air pump performance curve
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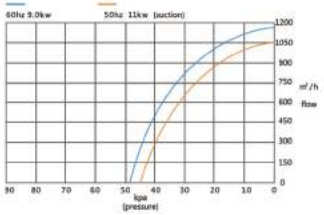
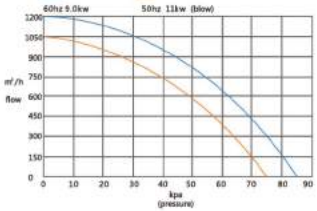
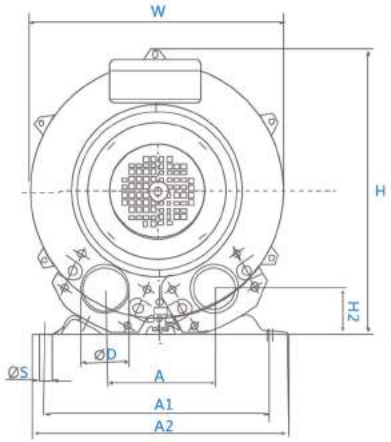
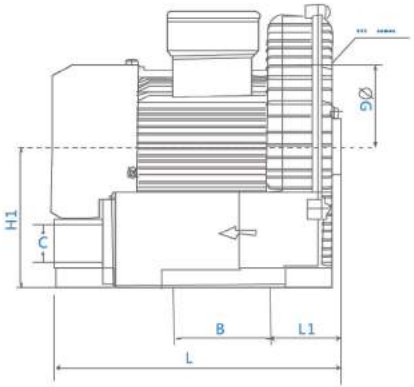




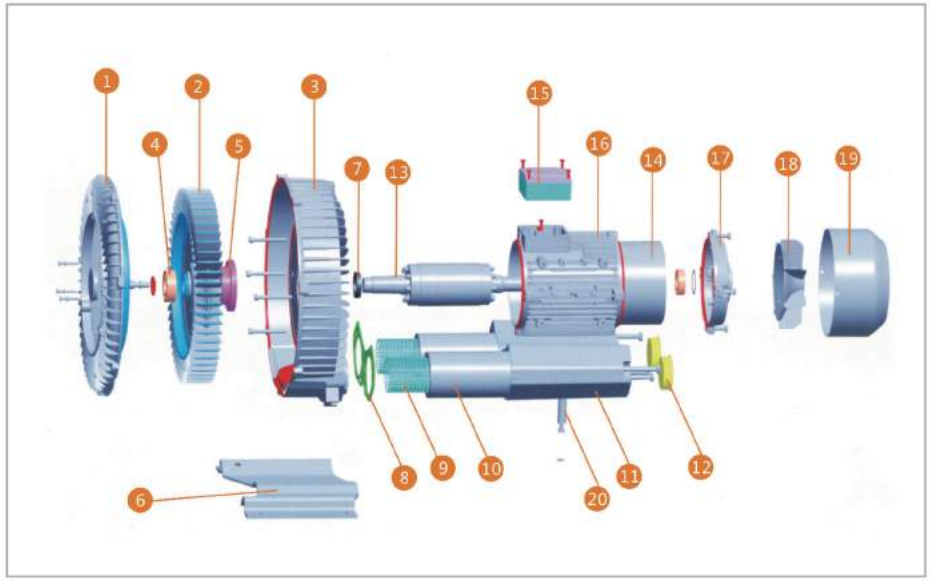
Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-7500S	△220 Y380	25.98(34.19) 15(19.74)	50(60)	45(52)	550(640)	35(42)	7.5(9.0)	2800(3400)	<70	65	74	48×50×52
GB-11000S	Y380	28(38)	50(60)	75(85)	1050(1200)	40(52)	11(12.5)	2800(3400)	<70	120	135	69×58×61





MODEL \ SIZE	L	W	H	H1	H2	A	A1	A2	L1	B	G	D	S	C
GB-90	205	184	200	96	32	80	158	172	55	56	–	Φ20	Φ7	–
GB-120	205	184	200	96	32	80	157	172	55	56	–	Φ20	Φ7	–
GB-180	223	200	212	110	36	86	184	204	62	66	–	Φ20	Φ7	–
GB-200	223	200	212	110	36	86	184	204	62	66	–	Φ20	Φ7	–
GB-250	260	246	247	120	37	90	205	235	62	83	Φ140	Φ49	Φ8.5	M41
GB-370	260	246	247	130	38	90	205	235	62	83	Φ140	Φ49	Φ10	M41
GB-550	277	268	272	155	47	93	205	265	66	83	Φ162	Φ49	Φ12	M41
GB-750	300	286	302	165	58	111	225	265	80	95	Φ173	Φ50	Φ12	M47
GB-1100	325	335	340	190	61.5	115	270	300	30	140	Φ200	Φ60	Φ14	M60
GB-1500	325	335	340	190	61.5	115	270	300	30	140	Φ200	Φ60	Φ14	M60
GB-2200	377	382	385	192	56	125	290	326	103	140	Φ256	Φ60	Φ14	M60
GB-3000	402	408	410	210	56	140	313	345	103	140	Φ256	Φ60	Φ14	M60
GB-4000	435	418	470	237	110	143	315	330	113	185	Φ280	Φ76	Φ14	G2½
GB-5500	475	446	480	250	118	148	360	465	100	170	Φ288	Φ76	Φ15	G2½
GB-7500	475	446	480	250	118	148	360	465	100	170	Φ288	Φ76	Φ15	G2½
GB-11000	660	550	570	300	92	207	360	415	89	–	490	110	–	G4

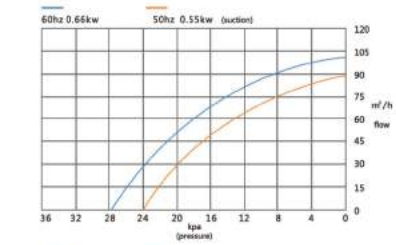
Exploded view

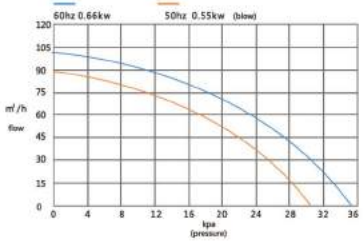


1、Pump cover	2、Impeller	3、Pump body	4、Bearing	5、Bearing cover
6、Seat	7、Oil seal	8、Gasket Shim	9、Silencer net	
10、Silencer sponge		11、Silencer tube	12、Joint(flange)	13、Rotor
14、Motor	15、Terminal box	16、Motor case		
17、Motor end cover	18、Fan	19、Fan cover	20、Supporting tube	

GB-550/2

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)





GB-750/2

GB series vortex air pump performance curve
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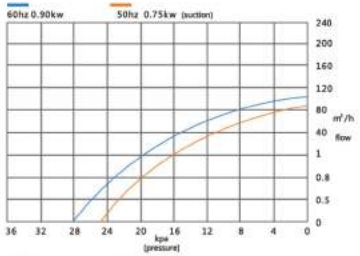
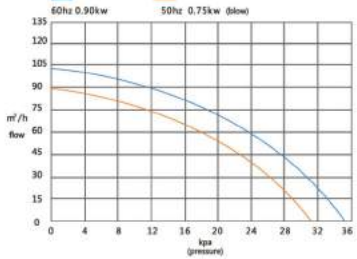
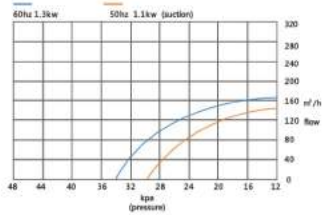


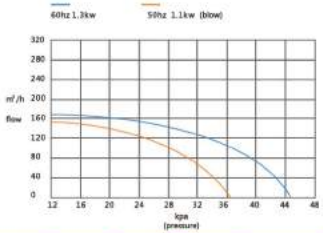


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-550/2	220	4.8(5.76)	50(60)	30(35)	88(100)	24(27)	0.55(0.66)	2800(3400)	<60	17.5	18.5	32×30×31
GB-550S/2	△220 Y380	2.51(3.01) 1.45(1.74)	50(60)	30(35)	88(100)	24(27)	0.55(0.66)	2800(3400)	<60	17.0	18.0	32×30×31
GB-750/2	220	6.3(7.56)	50(60)	31(35)	88(100)	25(28)	0.75(0.90)	2800(3400)	<60	19.0	20.0	45×36×34
GB-750S/2	△220 Y380	3.31(4.10) 1.81(2.37)	50(60)	31(35)	88(100)	25(28)	0.75(0.90)	2800(3400)	<60	18.0	21.5	45×36×34

GB-1100S/2

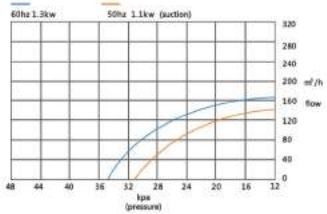
GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

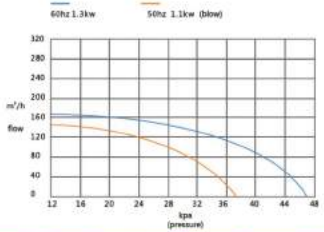




GB-1500S/2

GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

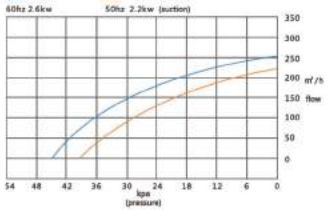


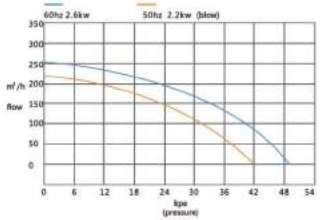


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-1100/2	220	8.7(10.44)	50(60)	37(45)	145(170)	30(34)	1.1(1.3)	2800(3400)	<60	26	27	48×40×38
GB-1100S/2	△220 Y380	4.36(5.88) 2.52(3.42)	50(60)	37(45)	145(170)	30(34)	1.1(1.3)	2800(3400)	<60	24.5	25.5	48×40×38
GB-1500/2	220	11.8(14.16)	50(60)	38(47)	145(170)	31(35)	1.5(1.8)	2800(3400)	<60	27.2	28.2	48×40×38
GB-1500S/2	△220 Y380	5.96(8.20) 3.44(4.74)	50(60)	38(47)	145(170)	31(35)	1.5(1.8)	2800(3400)	<60	26	27	48×40×38

GB-2200S/2

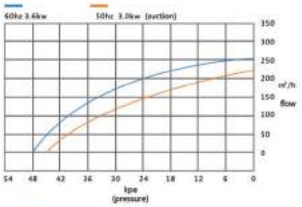
GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

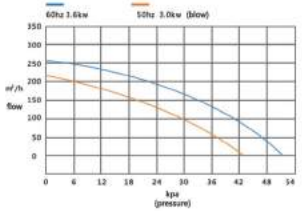




GB-3000S/2

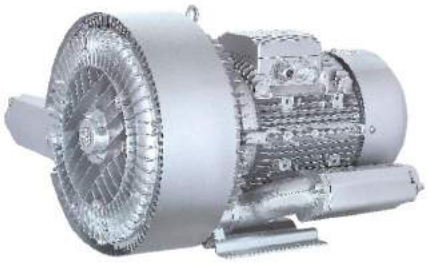
GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)



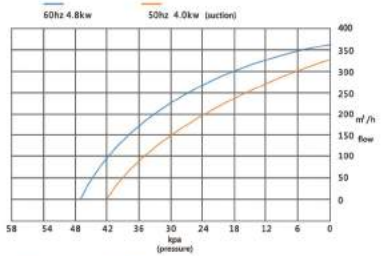


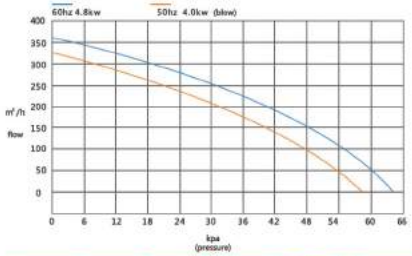
Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-2200S/2	△220 Y380	8.52(10.22) 4.92(5.91)	50(60)	42(49)	220(255)	39(44)	2.2(2.6)	2800(3400)	<70	37.8	43.3	50×43×42
GB-3000S/2	△220 Y380	11.07(13.29) 6.39(7.67)	50(60)	43(50)	220(255)	44(48)	3.0(3.6)	2800(3400)	<70	39	46.5	55×45×45

GB-4000S/2

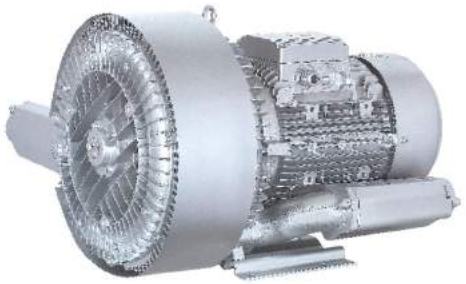


GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)

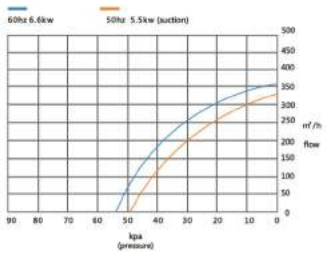


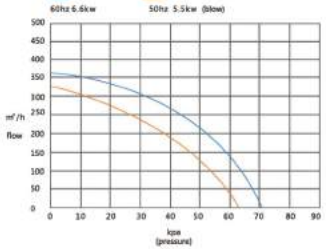


GB-5500S/2



GB series vortex air pump performance curve
(for reference only, do not take it for testing standard)



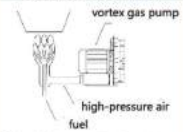


Type	Voltage V	Current A	Frequency Hz	Max Pressure KPa	Max flow m³/h	Max Vacuum KPa	Power kw	Rotational Speed r/min	Noise dB(A)	N.W. kg	G.W. kg	Packing Size (cm)
GB-4000S/2	△220 Y380	14.15(16.97) 8.17(9.8)	50(60)	57(64)	325(360)	42(47)	4.0(4.8)	2800(3400)	<70	55	65	55×51×42
GB-5500S/2	△220 Y380	19.23(23.21) 11.1(13.4)	50(60)	63(71)	325(360)	48(54)	5.5(6.6)	2800(3400)	<70	85	98	67×50×50

Blow,Dust collection,Exhaust,Cooling,Transport,Air lifting

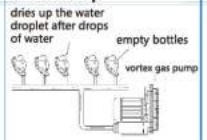
Application of Blow:

The gas and heavy oil gush out firing



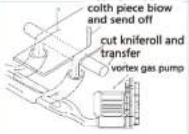
high wind pressure(2.00mmAq) and enough wind amount,can ligh tenning your reliance to the air com press horizontal.

Wash the bottle machine and dries up



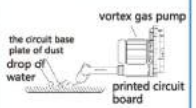
empty bottle of beverage are water-washed,suitable for the food industry.

Can collect all the bits automaticall after cut the Paper



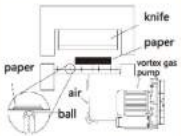
piastic, cloth, paper, etc, out.

It is dry to use the air knife



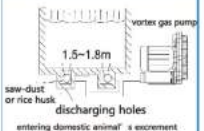
electron industry can make use of forced draught blower to blowdown the small dust and water droplet.

Air cushion



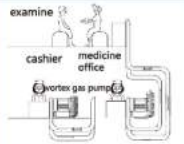
increasing the buoyancy, easy to move.

The domestic animal excrement ferments' fierceness gas



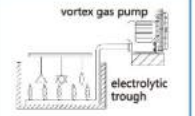
entering domestic animal' s excrement trough flirtatiously with high-pressure air, it is exposed to the area to increase domestic animal excrement and air.Aiso suitable for the sewage disposal of the public hazards.

Subpoena transport



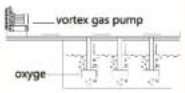
it regards air as motive force to be fast also teally to transport file.

The electrolytic liquid mix round



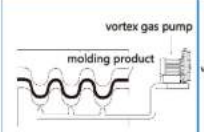
makes use of air to stir the electrolytic trough,make the electrolytecirculate, and repel adhering to the bubble and make electroplate rapidly the result is even.(export hoes with the best of 4mm)

The oxygen supply in breed aquatice



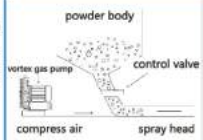
water in the pool

Puncher machine



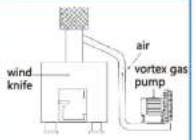
convenient to is it press product of taking shape after to take out.

Powder body transport



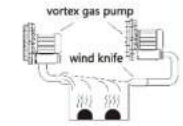
powder body grains of body,etc. air of raw materials transport.

Combustion-supporting discharge with the waste gas of the incinerator



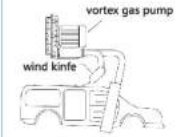
atmdspherical help blaze and exhaust

The exhaust gas blows smoking



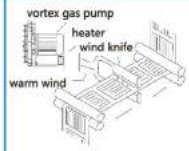
discharging rapidly by the scattered exhaust gas that appears,so as not to cause pollution.

Wash the car and dry up



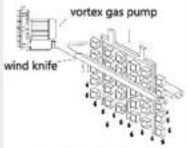
blow the moisture content to dry after having car machine washing.

Print and force dryness



enabling the printing color to dry fast.

Dry up after cleaning

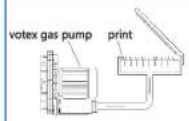


moisture content or oil gas after cleaning break away from articles rapidly

Blow,Dust collection,Exhaust,Cooling,Transport,Air lifting

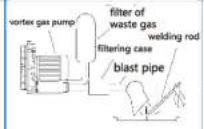
Application of Suction:

The sucking of the printing machine of network edition



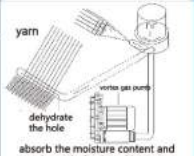
printed matter utilize the pressure of sucking to be regular, in order to make it easy for print

Eject the exhaust gas and dust produced while welding drawing



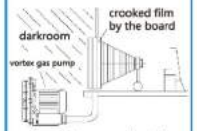
acuum way is arranged to the elsewhere,ensure operators to be healthy.

The weave cotton machine suck silk



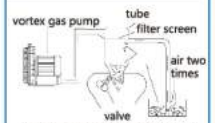
absorb the moisture content and regular end of a thread,improve the quality and efficiency of the products.

Photo-engraving



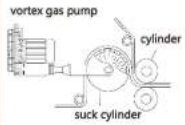
make use of vacuun suction to keep films,make it smooth,is suitable for photo-engraving industry.

The powder body transports



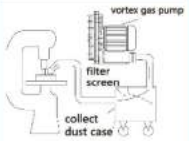
granular object,for instance plastic raw materials,etc,can make use of the atmospheric pressure(blows)or the vacuum suction to accomplish the task of sending.

Print suck



vacuum suck printing paper is it transfer by molding

Industry hoover

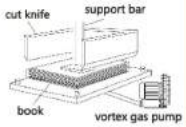


In the factory for bits platform of remaining etc,it is the all right it have Fig.it have the clean the ways

Vacuum dehydrate

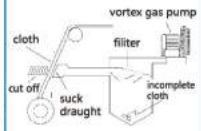
the paper pulp dehydrates,pollution dehydrates,the cloth dehydrates ect.

Make books machine



cut off when keep sucking.

Incomplete cloth deal with



cloth cutting treatment.

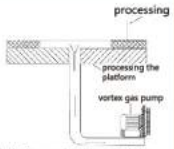
Ox milk paper carton filling machine

ox milk vacuum that box is fill attract and utilize.

Bean curd machinery

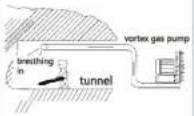
ttracting the soybean whele to give, clean and use to cleaning the trough.

keeping processing



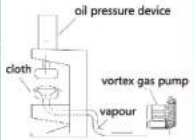
block of processing thing, plastic,etc. using regularly for some un-magnetism object' s fixing.

Defence works scene



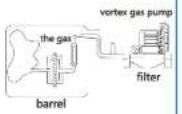
for remove the part of the tunnel and narrow and small part' s dust and poisonous gas.

Lron cloth machine

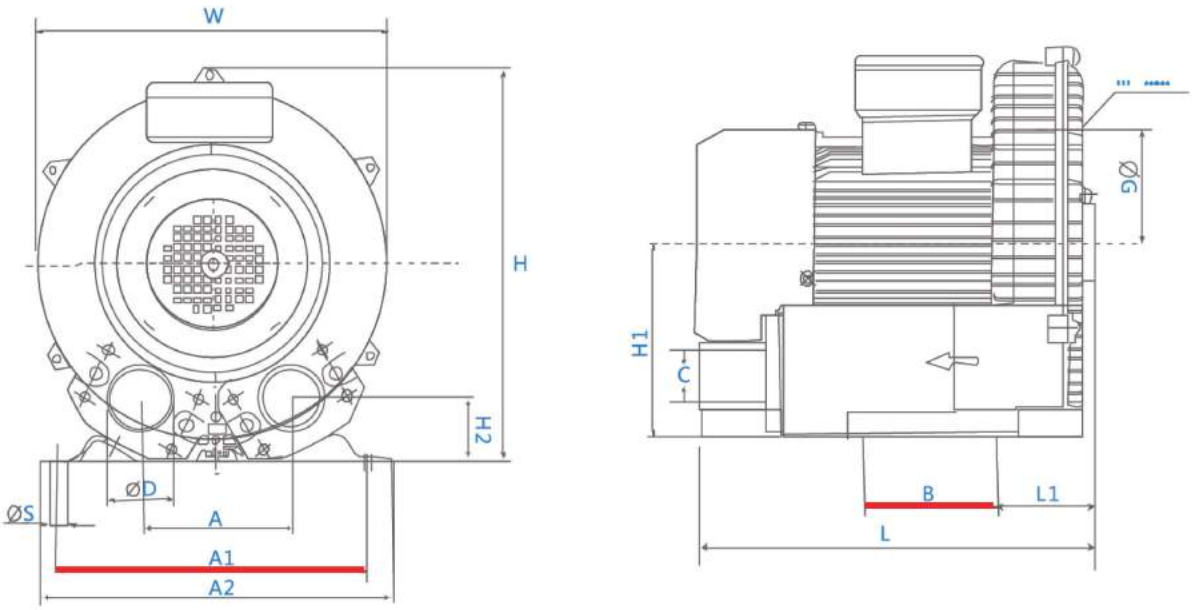


spend to discharge the vapour when ironning cloth.

The gas resolves



using the attraction of the gas resolves device.



MODEL \ SIZE	L	W	H	H1	H2	A	A1	A2	L1	B	G	D	S	C
GB-90	205	184	200	96	32	80	158	172	55	56	—	Φ20	Φ7	—
GB-120	205	184	200	96	32	80	157	172	55	56	—	Φ20	Φ7	—
GB-180	223	200	212	110	36	86	184	204	62	66	—	Φ20	Φ7	—
GB-200	223	200	212	110	36	86	184	204	62	66	—	Φ20	Φ7	—
GB-250	260	246	247	120	37	90	205	235	62	83	Φ140	Φ49	Φ8.5	M41
GB-370	260	246	247	130	38	90	205	235	62	83	Φ140	Φ49	Φ10	M41
GB-550	277	268	272	155	47	93	205	265	66	83	Φ162	Φ49	Φ12	M41
GB-750	300	286	302	165	58	111	225	265	80	95	Φ173	Φ50	Φ12	M47
GB-1100	325	335	340	190	61.5	115	270	300	30	140	Φ200	Φ60	Φ14	M60
GB-1500	325	335	340	190	61.5	115	270	300	30	140	Φ200	Φ60	Φ14	M60
GB-2200	377	382	385	192	56	125	290	326	103	140	Φ256	Φ60	Φ14	M60
GB-3000	402	408	410	210	56	140	313	345	103	140	Φ256	Φ60	Φ14	M60
GB-4000	435	418	470	237	110	143	315	330	113	185	Φ280	Φ76	Φ14	G2½
GB-5500	475	446	480	250	118	148	360	465	100	170	Φ288	Φ76	Φ15	G2½
GB-7500	475	446	480	250	118	148	360	465	100	170	Φ288	Φ76	Φ15	G2½
GB-11000	660	550	570	300	92	207	360	415	89	—	490	110	—	G4

Air Filter:

MF-08

MF-10

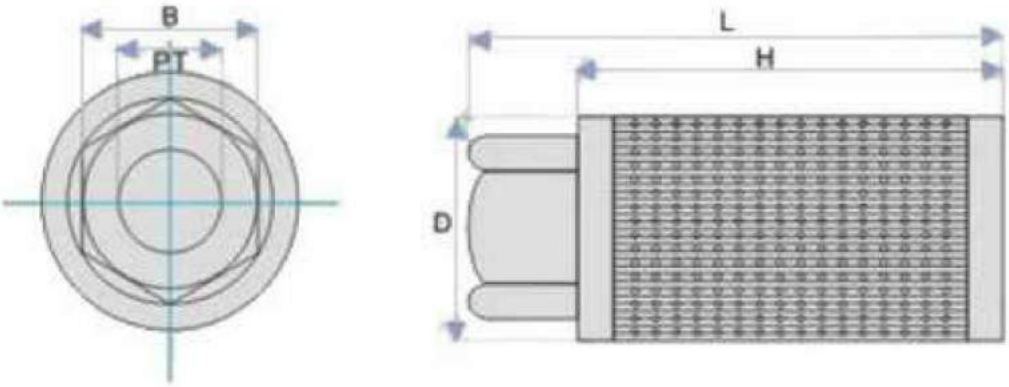
MF-12

MF-16

MF-20

MF-32

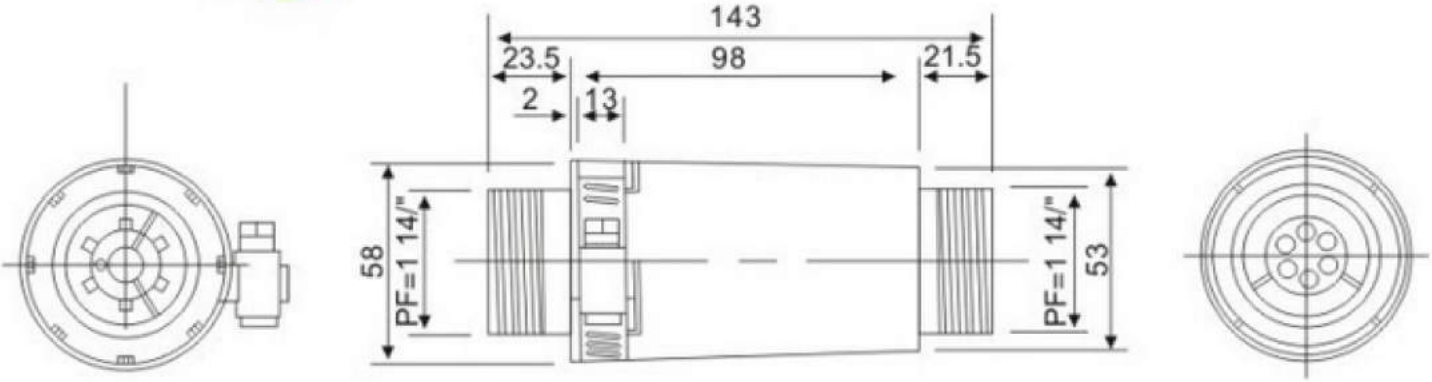
Dimension:



Dimension:

Model:	PT	D (mm)	L (mm)	H (mm)	B (mm)	Fineness (mesh)	Flow (L/min)	Weight(kg)
MF-08	1	58	170	155	42	100	110	0.2
MF-10	1 1/4	71	186	170	54	100	210	0.35
MF-12	1 1/2	85	196	182	65	100	285	0.49
MF-16	2	103	215	202	75	100	395	0.65
MF-20	2 1/2	148	274	252	97	100	750	1.2
MF-32	4	208	380	357	142	100	1000	2.45

Relief Valve



型号 Mode l	口徑 Caliber	L (mm)	規格 Specification
PV–01	1 1/4"	143	0~3000mmAq
PV–02	1 1/4"	143	0~6000mmAq