

REXCHIP® 瑞晶

臺州瑞晶機電有限公司

TAIZHOU REXCHIP MECHANICAL AND ELECTRICAL CO.,LTD.

地址：浙江省臺州市溫嶺市鬆門鎮創業路 28 號

Address: #28 Chuangye Road, Songmen Town,
Wenling, Taizhou city, Zhejiang, China.

電話 Tel: 0086-0576-89975768

傳真 Fax: 0086-0576-89975769

網址: <https://www.rexchipblower.com>

郵箱: info@rexchipblower.com

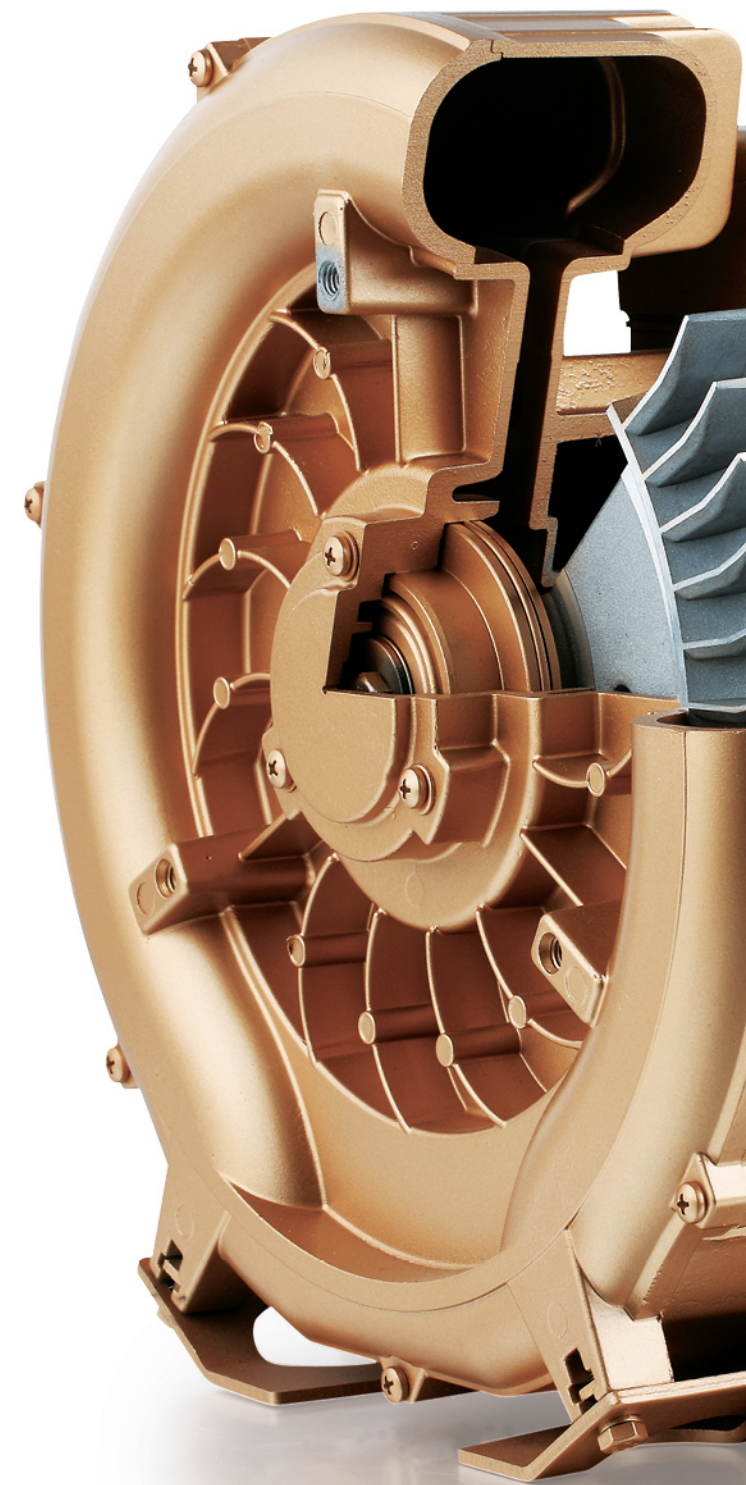
REXCHIP® 瑞晶

SINCE GERMANY 德国工艺, 服务全球

臺州瑞晶機電有限公司
臺灣瑞晶機電有限公司

Taizhou REXCHIP Mechanical and Electrical Co., Ltd.

聯合出品



COMPANY INFORMATION

公司簡介

臺州瑞晶機電有限公司是一家具有自主知識產權，集開發、設計、生產製造為一體的現代化綜合企業。致力于高壓風機、漩渦氣泵、氣環真空泵的設計、生產和銷售，并獲得優秀的市場口碑和廣泛的客戶喜愛。同時不斷加大科研和技改的投入，穩步提升產品品質和競爭力，逐步成為中國風機行業的佼佼者。

公司以生產世界最頂端產品為目標，引進和吸收德國先進的子流體機械技術。產品零部件均采用優質鋁合金一次性模具壓鑄成型，同時利用進口高精度數控機床加工而成。產品安全可靠，穩定耐用，品質如一，并以其新穎設計，獨特工藝和優越的性價比，暢銷全國、西歐及北美等地區。始終遵循 ISO-9001 國際質量管理體系的、ISO14001 環境管理體系。

員工培訓一直是我們瑞晶機電工作重點之一，我們堅信優秀穩定的從業人員是我們競爭力的來源，也是公司立于不敗之地的基石。秉着“不斷超越，與時俱進”的理念，定期對員工進行培訓，全面提高員工各方面素質。

“客戶的需求即是我們的追求”，積澱了雄厚的技術資源的瑞晶機電真誠歡迎海內外各界朋友到我司蒞臨參觀指導，共創輝煌。

TAIZHOU REXCHIP MECHANICAL AND ELECTRICAL CO.,LTD. is a modern integrated enterprise locates in Taizhou China, with independent intellectual property rights, which intergrates its development, design and manufacture into a whole. Company covers 10,000 square meters with three manufacturing buildings. Committed to ring blower, side channel blower design, production & sales.

To produce the world' s most top products is our purpose. The product is adopted the fluid machine techniques imported from Germany, molded with. Aluminum alloy, processed on precision CNC machine, make it more reliable & durable. With outstanding performance and excellent quality and superior cost efficiency, the products sell well throughout the country, and are exported to West Urope & North America.

Staff training has always been one of the priorities, Holds"continued beyond the times", improve the quality of all staff.

"Customer demand is our pursuit", We sincerely welcome friends from various circles at home and abroad come to visit. Meanwhile, we await for you to co-create the brilliant.



經營理念 “以誠為本、開拓創新、共享雙贏”
Credit, innovation, achieve “win-win”

精神風氣 “嚴謹、團結、 奉獻、進取”
Rigorous, unity, dedication, progres

公司宗旨 “客戶的需求就是我們的追求”
Customer demand is our pursuit

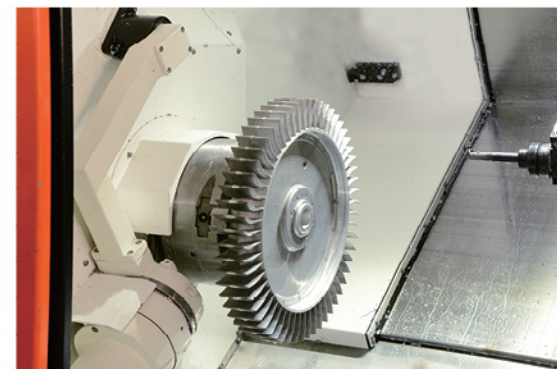
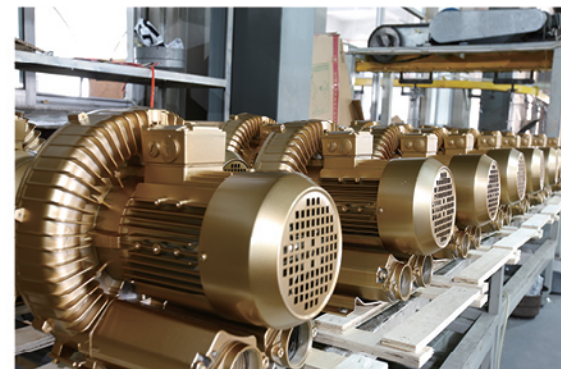
質量方針 “嚴謹、團結、奉獻、進取”
Rigorous, unity, dedication, progress

全新模式，以智造占得时代先机

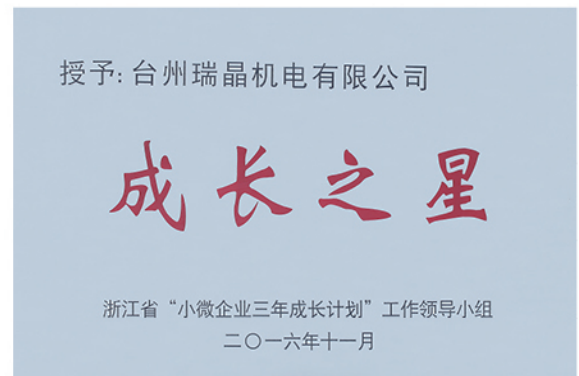
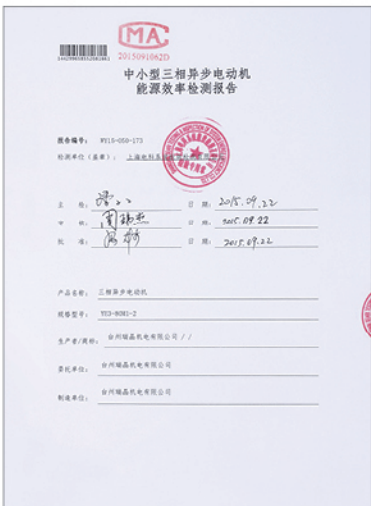
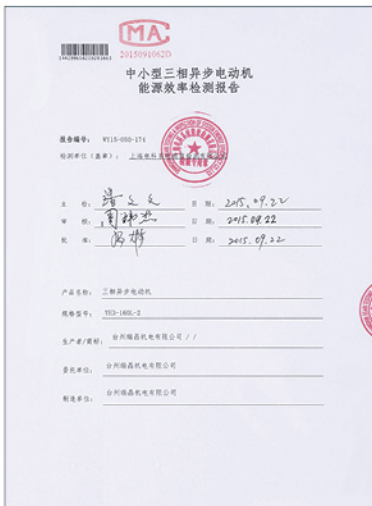
在互聯網+的時代背景下，率先啟動工業 4.0 戰略，引進先進生產設備、專業化技術團隊和高效化管理團隊，逐步對企業進行智能化、工業化、信息化相結合的改進升級，最終完成制造轉型升級，提升品牌根本創新力和競爭力。

A brand new mode: to take the lead with Chi-made products

In the Internet + background, takes the lead in carrying out the industry 4.0 strategy. We introduced advanced production equipment, specialized technical team and efficient management team. Thus, we gradually performed the intelligent, industrial and information upgrading, and finally realized manufacturing transformation and upgrading, which enhances our innovation ability and competitiveness.



CERTIFICATE
證書



CONTENTS
目录

• P01	氣環泵的工作原理 Gas ring pump working principle	• P33/36	2HB6-3AC 系列選型參數、曲綫、尺寸 2HB6-3AC series product selection parameters、 curve, size
• P02	氣環泵的結構組成和分解 Gas ring pump structure and decomposition	• P37/42	2HB7-3AC 系列選型參數、曲綫、尺寸 2HB7-3AC series product selection parameters, curve, size
• P03/07	系列產品的特點與優勢 Product features and advantages	• P43/48	2HB8-3AC 系列選型參數、曲綫、尺寸 2PB8-3AC series product selection parameters, curve, size
• P08/12	氣環泵選型參考及附表 Product selection of reference and schedule	• P49/54	2HB9-3AC 系列選型參數、曲綫、尺寸 2PB9 -3AC series product selection parameters, curve, size
• P13/16	2HB-1AC 系列選型參數、曲綫、尺寸 2HB -1AC series product selection parameters, curve, size	• P55/66	3HB-3AC 系列選型參數、曲綫、尺寸 3HB-3AC series product selection parameters, curve, size
• P17/20	2HB2-3AC 系列選型參數、曲綫、尺寸 2HB2 -3AC series product selection parameters, curve, size	• P67/68	4HB-1AC 系列選型參數、曲綫、尺寸 4HB-1AC series product selection parameters, curve, size
• P21/24	2HB3-3AC 系列選型參數、曲綫、尺寸 2HB3-3AC series product selection parameters, curve, size	• P69/72	4HB-3AC 系列選型參數、曲綫、尺寸 4HB-3AC series product selection parameters, curve, size
• P25/28	2HB4-3AC 系列選型參數、曲綫、尺寸 2HB4 -3AC series product selection parameters, curve, size	• P73/74	4HB 系列選型參數、曲綫、尺寸 4HB series product selection parameters, curve, size
• P29/32	2HB5-3AC 系列選型參數、曲綫、尺寸 2HB5-3AC series product selection parameters, curve, size	• P75/76	附件展示 Accessories display
		• P77/80	氣泵行業案例 Industry application case

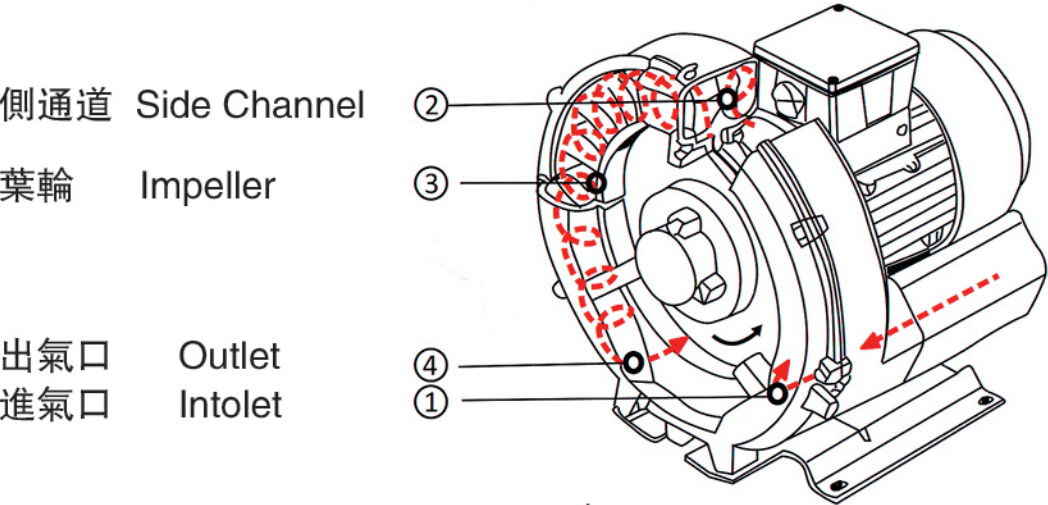


OUT
新视野 新未来

LOOK
NEW FUTURE VISION

OPERATING PRINCIPLE

氣環泵工作原理



氣環泵葉輪直接安裝在電機轉子上，是完全地無接觸壓縮。由于泵軸安裝在壓縮腔外，所以即便工作在最大的壓差下，也能確保機械的最大工作可靠性。

氣體由吸氣口 1 吸入，但它進入側通道 2 以後，旋轉葉輪 3 在旋轉方向上給氣體一個速度同時葉片上離心力使氣體向外加速且壓力增加。

隨着旋轉的進行，氣體的動能增加，使的沿側通道的氣體壓力進一步增加。隨着側通道在出口變窄，氣體被擠出葉片并通過出口消聲器 4 排出泵體。

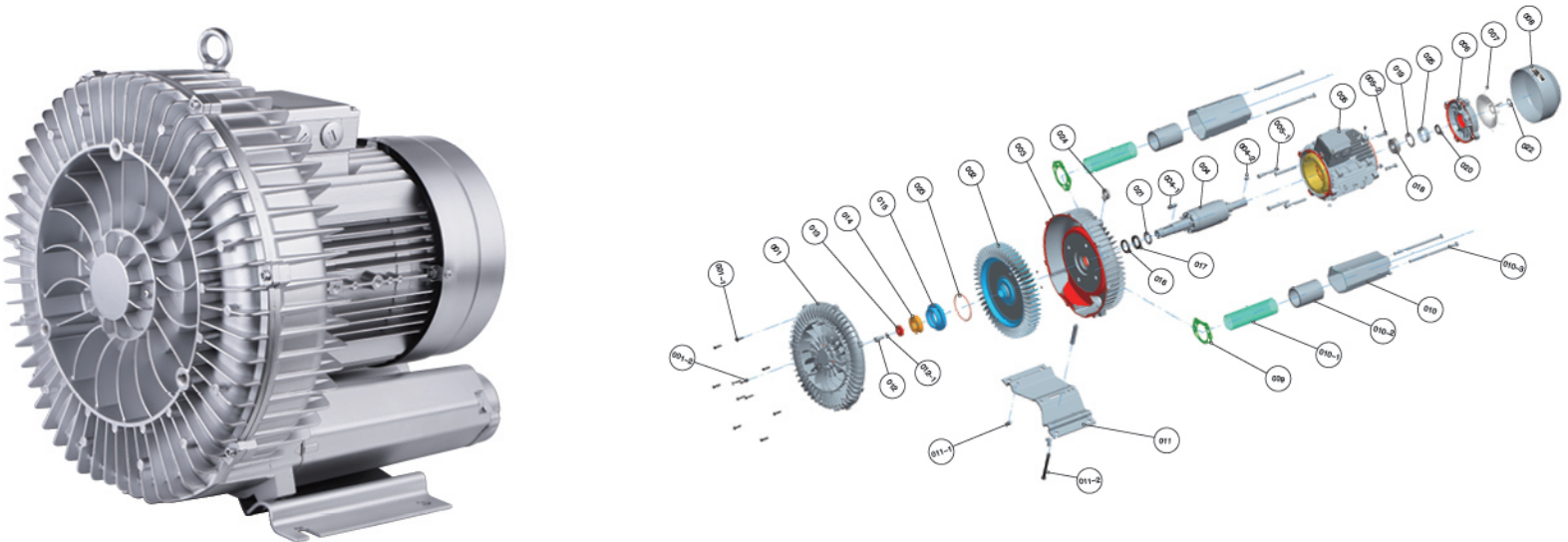
The impellers are mounted directly on the motor shaft for noncontact compression entirely without friction.Maximum operational reliability, even at high differential is ensured by the arrangement of the bearings outside the compression chamber.

The gas it taken in though the inlet1.As it enters the side channel 2,the rotating impeller 3 imparts velocity to the gas in the direction of rotation. centrifugal force in the impeller blades accelerates the gas outward and the pressure increase .Every rotation adds kinetic energy.

Resulting in the further increase of the pressure along the side channel .The side channel narrow at the rotor,sweeping the gas off the impeller blades and discharging it though the outlet silencer 4 where it exits the side channel blower.

VACUUM PUMP CHART

氣環泵組成結構圖



編號	部件名	編號	部件名	編號	部件名	編號	部件名
001	泵蓋 pump cover	011	底座 base	021	墊片 washer	005-2	螺釘 screw
002	葉輪 impeller	012	螺釘 screw	022	卡簧 circlip	010-1	消音網罩 mesh enclosure
003	泵體 pump casing	013	轉子壓板 pressure-plate	023	O 型密封圈 o-ring	010-2	消音海綿 soundproof sponge
004	電機轉子 rotator	014	軸承 screw	024	吊環 hand ring	010-3	螺釘 screw
005	電機 motor	015	固定座 fixing base	025	軸承包絡圈 wrap ring	011-1	螺釘 screw
006	電機後蓋 motor cover	016	氈環 felt ring	001-1	螺釘 screw	011-2	螺釘 screw
007	風葉 fan	017	油封 oil seal	001-2	螺釘 screw	012-1	彈簧墊圈 lock washer
008	風罩 fan cover	018	軸承 screw	004-1	平鍵 flat key		
009	泵體紙墊 paper pad	019	波浪墊片 ware washer	004-2	平鍵 flat key		
010	消音筒 Muffle Tube	020	油封 oil seal	005-1	螺釘 screw		

ADVANTAGES

特點優勢

- 改進傳統工藝，是軸承前置，增加了工作穩定性
Improvement of traditional crafts, bearing front, increased stability
- 採用部分進口配件，延長使用壽命
Using some of the imported parts, lengthen service life
- 機殼採用優質鋁合金一次性壓鑄成型，零部件的加工在切削加工中完成，保證精度改進傳統工藝
The shell adopts the high quality aluminum alloy one-time die-casting molding, machining parts Completed in the cutting process, ensure the accuracy improvement of traditional technology
- 葉輪的設計經過精確計算論證，使同功率下性能比同類產品提高 20%
The design of the impeller through the accurate calculation of argumentation, the performance under the same power ratio Similar products increased by 20%

THE PERFORMANCE ADVANTAGES

性能優勢

- 100% 無油，無水壓縮，所有的氣環真空泵的電機均為 IP55 的防護等級，F 級絕緣
- 雙頻（50/60HZ）及寬電壓能滿足幾乎世界上所有地區的電壓等級，軸承外置設計，能承受較高的工作溫度，提高了運行可靠性和使用壽命
- 引進變頻驅動新概念，比用普通電機驅動的性能最大可以提高到 300%，葉輪與泵體間的獨特的密封形式減少氣體壓縮過程中的壓力損失
- 泵殼、葉輪採用壓鑄模具成型，堅固耐用，散熱優良，採用德國、日本進口精密機床加工切割，保證精度與品質，氣泵表面經過防護漆處理
- 產品經過嚴格機械、電氣等各方面性能測試，採用 PROE、UG、CAD 等電腦輔助設計軟件和運動模擬仿真演示
- 100% oil free compressed gas, water ring vacuum pump, motor, all are the protection class IP55, class F insulation
- Dual frequency (50/60HZ) and wide voltage can meet almost all regions of the world the voltage level, the external design of the bearing, can bear high working temperature, improves the reliability and service life
- The introduction of variable frequency drive new concept, than the maximum performance can be driven by a common motor is improved to 300%, impeller and pump body seal forms the unique reduced pressure gas pressure loss in the process of compression
- Pump casing, impeller die-casting molding, sturdiness and durability, excellent heat dissipation, imported Japan Germany, precision machine tool cutting, ensure the accuracy and quality, air pump through the surface of protective paint processing
- Products through the strict mechanical, electrical performance test, simulation demonstrate the use of PROE, UG, CAD and other computer aided design software and motion

SPECIFICATIONS COMPLETE, FAMOUS ALL OVER THE WORLD

規格齊全 享譽全球

- 多達 100 多種的產品型號可滿足您各種具體應用的要求，采用寬電壓雙頻 (50/60HZ) 電機，防護等級 IP55(絕緣等級 F 級)，在世界的任何地方，都可以應用瑞晶機電氣環真空泵。并且無論是在歐洲、中東、東南亞，瑞晶機電都能在很短的時間內交貨，我們批量庫存的产品可以隨時滿足您的需求。
- As many as 100 kinds of products can meet your specific application of various requirements, with wide voltage frequency (50/60HZ) motor, protection class IP55 (class F insulation), anywhere in the world, can be applied to wind morale ring vacuum pump. whatever in Europe, Middle East, Southeast Asia, can be delivered in a very short period of time, our volume inventory of products can meet your needs.

VARIABLE FREQUENCY DRIVE ENERGY EFFICIENCY

變頻驅動 高效節能

- 當在電機或控制櫃上直接安裝一個變頻率，同樣型號的氣環真空泵、壓縮機可以在節能的同時處理更多流量的氣體。這是由于精確的控制系統總能提供您需要的準確動力，從而避免額外的氣量消耗，使系統運行費用大大減低。
- Directly when installing a variable frequency motor or the control cabinet, the gas ring vacuum pump, compressor of the same type can handle more traffic in energy saving at the same time. This is because always precise control system to provide accurate power you need, so as to prevent additional gas consumption, the system running cost greatly reduced.

FLEXIBLE INSTALLATION

靈活的安裝方式

- 能按任何軸向安裝，沒有任何限制，這意味着降低了空間要求和安裝費用
- Can be mounted in any direction, without any restrictions, which means that reduces the space requirements and installation costs

TOTAL QUALITY MANAGEMEN

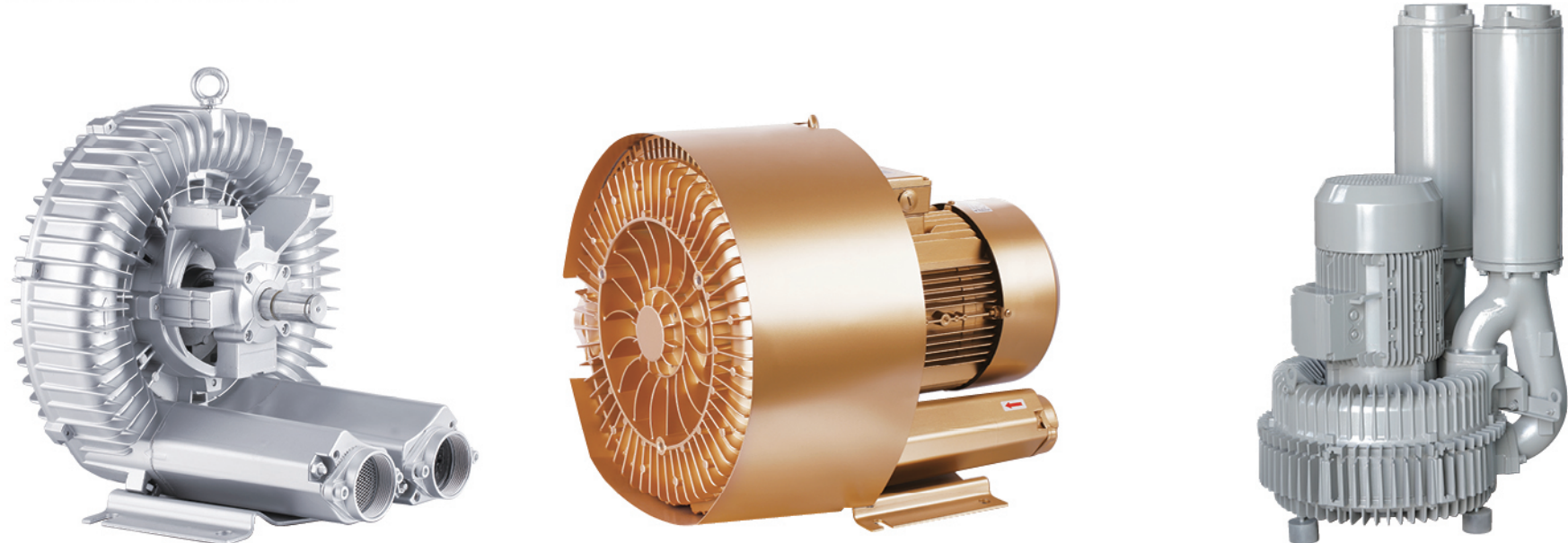
全面的質量管理

- 根據 ISO9001:2000 的標準，瑞晶機電總是把質量和客戶滿意放在第一，從最初的設計、開發、生產、訂單處理以及隨後的顧客支持，我們總是提供給你最好的、遍及整個產品全部周期的系統服務。瑞晶機電產品的技術進步和市場成功與它的高質量是密不可分。爲了保證產品的高質量，從產品的設計到供貨，瑞晶機電已建立了用于監督生產各個環節的可靠的質量保證系統。這個質量保證系統符合相關的標準約定，并通過 ISO9001 認證，滿足全世界的要求。同時歡迎 OEM，ODM 等定制品開發，針對客戶的使用要求和場合開發滿意的新產品。
- According to the standard of ISO9001:2000, wind, always put the quality and customer satisfaction in the first place, from the initial design, development, production, order processing and subsequent customer support, we will always provide you the best service, system throughout the product cycle. Technology progress and market success of wind and products with its high quality is inseparable. In order to guarantee the high quality of products, from product design to delivery, wind, have been established for the reliable quality of each link of supervision to ensure production system. The quality assurance system in conformity with the agreed standards, and through the ISO9001 certification, to meet the requirements of the world. Also welcome OEM, ODM set product development, new product usage requirements and situations develop satisfactory.

4HB

最高壓差

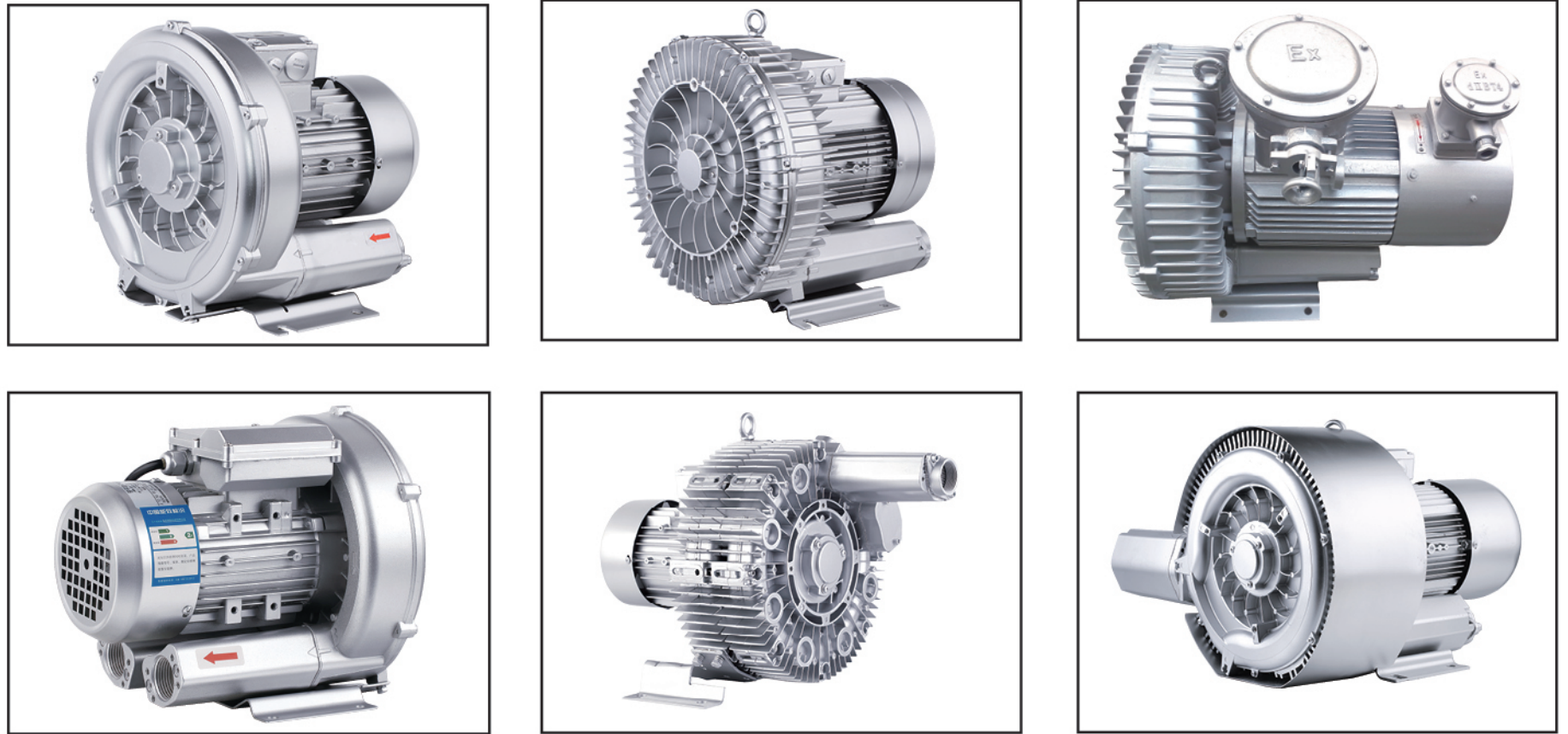
- 我們富有革命的 4HB 氣環真空泵能產生高達 1,000mbar 的壓差——遠遠高于其它任何的氣環式壓縮機。截止目前，能產生壓差範圍的其它系統要比我們的 4HB 體積更龐大，噪音更高，而且容易磨損。現在，除了擁有低噪音，無磨損等這些優點外，我們的 4HB 還能在更苛刻的條件下應用。我們的工程師和設計者們還在不斷努力以使我們的產品變得更加安靜。4HB 氣環真空泵能在不停機維護的條件下連續工作 20，000 小時。
- Our revolutionary 4HB gas ring vacuum pumps can generate up to 1000mbar of differential pressure --- far higher than any other of the gas piston compressor. At present, the other system can produce pressure range than our 4HB volume larger, more noise, and easy to wear. Now, in addition to having low noise, no wear etc. these advantages, our 4HB can also be used in more severe conditions. Our engineers and designers are trying to make our products become more quiet. 4HB gas ring vacuum pump can work continuously for 20000 hours without downtime maintenance conditions.



HOW TO SELECT MODEL

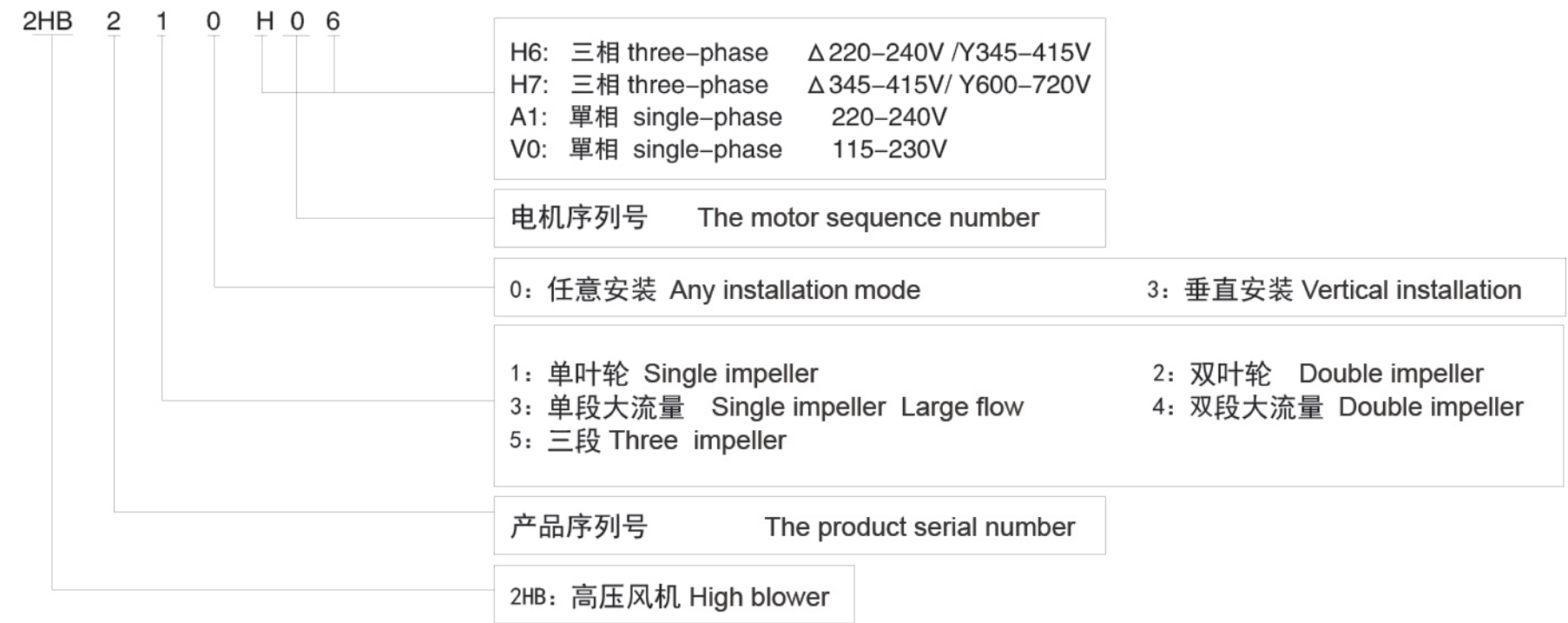
如何選型

- 瑞晶機電氣泵選型有哪些型號、參數？ /REXCHIP air pump selection which models, parameters？
- 如何選出性能最匹配的產品？ /How to select the most matching performance products？



DEMONSTRATION OF THE TYPE

型號說明



ABSOLUTE PRESSURE

絕對壓力

- 絕對壓力是以理想真空（絕壓爲零）爲基準而得到的測量值。所以絕壓是比參考值大
- Absolute pressure in vacuum (absolute pressure is zero) as the reference and the measured values obtained. So the pressure is greater than the reference value

GAUGE PRESSURE

表壓

- 表壓是指高于標準大氣壓力的測量值。即以標準大氣爲基準，因此實際測量值總是比基準值大
- Gauge pressure is that measurement is higher than the standard atmospheric pressure value. The standard atmosphere for reference, so the actual measured value is larger than the reference value

VACUUM DEGREE 真空度

- 真空度是指低于標準大氣壓力的測量值。測量基準仍爲標準大氣壓，所以實際測量值小
- The vacuum is that measurement is lower than standard atmospheric pressure value.Measurement benchmark is still the standard atmospheric pressure, so the actualmeasured value

CONVERSION TABLE 換算表

風 量 Air volume			壓 力 Pressure		
初始單位	換算因子	目標單位	初始單位	換算因子	目標單位
The initial unit	conversion constant	Target unit	The initial unit	conversion constant	Target unit
l/min	0.06	m³/h	Pa	0. 01	mbar
gal/min	0.227	m³/h	hpa	1. 0	mbar
ft³/min(cfm)	1.699	m³/h	kpa	10. 0	mbar
m³/h	16.667	l/min	mmH2O (mmAq)	0. 098	mbar
m³/h	4.403	gal/min	mH2O	98. 07	mbar
m³/h	0.588	ft³/min(cfm)	at	980. 7	mbar
			inchH2O	2. 491	mbar
			PSI l pdf/in2	68. 948	mbar

SELECTION AND USE OF KNOWLEDGE

選型及使用需知

1. DIN VDE 0105 或 IGC 364 規定，非資格人員不得從事電氣設備的工作。
資格人員：是指有廠區安全負責人授權的人員。他們根據自有的培訓、經驗、相關標準的知識及對事故預防的能力來完成某項必要的工作，同時能意識到潛在的危險并采取必要的防範措施。有必要的生命急救知識，熟悉相關的生命救護設備。
DIN VDE 0105 or IGC 364 regulations, non qualified personnel shall not be engaged in electrical equipment work. Qualified personnel: refers to the factory safety responsible person authorized personnel. According to their own training, experience, knowledge and ability related standards on prevention of accidents to complete a necessary work, and to realize the potential The risk and take the necessary preventive measures.
It is necessary to life first aid knowledge, familiar with the life rescue equipment related.
2. 隨設備而來的操作說明書不可能包含所有涉及要素的詳細信息，尤其不可能把每一種可能的安裝，操作及維護方式都涉及到。因此這些操作手冊祇包括能讓資格人員正確操作機器或設備的必要信息。因此有必要澄清一下，如果缺乏產品的詳細參數，或有相關操作等疑問，請根據此產品的設備類型和加工代號，聯系我們。
Came with the equipment operating instructions may not contain detailed information all of the factors related, in particular, can not put every possible installation, are related to the operation and maintenance of way. The manual includes only can let the qualification Information necessary for correct operation personnel of machines or equipment. Therefore, it is necessary to clarify, if lack of detailed parameters of products, or related questions, please according to the type of equipment and processing code for this product, contact us
3. 允差：電機符合 DIN EN 60 034/DIN IEC 34–1 標準，絕緣等級 F。
Tolerance standard: motor meets the standard of DIN EN 60 034/DIN IEC 34–1, insulation class F.

4. 在選型時注意，要根據使用現場的具體情況，是側重于流量還是壓力等相關因素，選擇最合適，性價比最高，最節省能源的方案。必要時使用釋壓閥、過濾器等輔助配件，以便更好的發揮設備的性能和匹配現場。
In the selection of attention when, according to the specific circumstances of the scene, is focused on the flow or pressure and other related factors, choose the most suitable, cost-effective, the energy is saved. The use of pressure release valve, filter when necessary And other auxiliary parts, in order to better play the performance of equipment and matching field.
5. 啓動前及啓動準備檢查緊固件有無鬆動、脫落，外殼不變形錯位，完好無損 / 接綫方式、電源電壓等符合要求 / 外殼接地，安裝漏電保護器 / 檢查電機轉向是否正確正常運轉時，應平穩、震動、溫升噪音均正常
Start up and ready to check the fastener without loosening, shed off 5 before the start, shell not deformation dislocation, intact / wiring, power supply voltage, meet the requirement / shell grounding, installation of leakage protector / check the shift motors Ensure normal operation should be smooth, vibration, noise, temperature rise were normal
6. 氣泵在運轉過程中，如出現噪音異常增大、尖叫、振動加大、溫度異常升高應立即切斷電源進行檢查，待故障排除後再通電運轉
Pump during operation, such as noise, vibration, increase the abnormal increase of screaming, abnormal temperature rise should be cut off the power supply immediately checked, troubleshooting to be re energized.

2HB/1AC SINGLE, DOUBLE IMPELLERGAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE (IP55 50/60HZ)

2HB / 1AC (單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

型 號 (2HB) Model	單級	馬達額定參數				最大	額定	額定	噪音	重量
	雙級	頻率	功率	電壓	電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage	current	Max airflow	rated Vacuum	rated compress		
	double	HZ	KW	V	A	m3/h	mbar	mbar		
010 A01	單	50	0.12	220-240V	1.2	55	-60	60	46	5
		60	0.14	220-240V	1.1	68	-60	60	48	
110 A01	單	50	0.20	220-240V	1.43	70	-100	100	48	7
		60	0.23	220-240V	1.3	85	-110	120	50	
210 A01	單	50	0.25	220-240V	2.7	80	-110	120	53	9
		60	0.29	220-240V	3.2	98	-140	150	56	
210 A11	單	50	0.4	220-240V	2.7	80	-120	130	53	11
		60	0.5	220-240V	3.0	96	-150	160	56	
220 A11	雙	50	0.7	220-240V	4.5	88	-210	240	55	16
		60	0.83	220-240V	5.6	103	-250	250	61	
230 A11	單	50	0.4	220-240V	2.7	100	-110	110	54	11
		60	0.5	220-240V	3.0	120	-130	140	57	
310 A01	單	50	0.55	220-240V	3.7	100	-120	130	55	13
		60	0.62	220-240V	4.5	120	-120	130	57	
310 A11	單	50	0.7	220-240V	4.8	100	-150	150	55	14
		60	0.8	220-240V	4.1	120	-150	160	57	
320 A31	雙	50	1.3	220-240V	7.3	120	-240	280	58	17
		60	1.5	220-240V	8.3	145	-230	260	60	
330 A11	單	50	0.7	220-240V	4.8	145	-100	100	58	14
		60	0.8	220-240V	4.1	165	-110	100	60	
410 A01	單	50	0.7	220-240V	4.5	145	-120	120	63	15
		60	0.83	220-240V	5.6	175	-130	130	64	
410 A11	單	50	0.85	220-240V	5.0	145	-160	160	63	16
		60	0.95	220-240V	5.8	175	-160	160	64	
410 A21	單	50	1.3	220-240V	7.3	145	-170	200	63	17
		60	1.5	220-240V	7.8	175	-210	220	64	
420 A21	雙	50	1.3	220-240V	7.5	150	-255	255	66	25
		60	1.5	220-240V	8	180	-290	280	69	

2HB/1AC SINGLE, DOUBLE IMPELLERGAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE (IP55 50/60HZ)

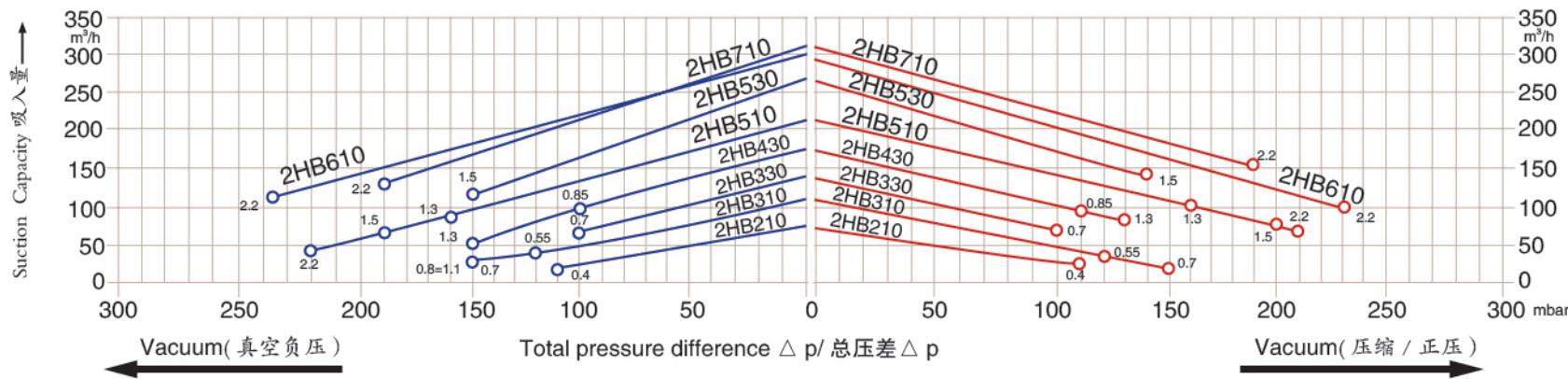
2HB / 1AC (單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

型 號 (2HB) Model	單級	馬達額定參數				最大	額定	額定	噪音	重量
	雙級	頻率	功率	電壓	電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage	current	Max airflow	rated Vacuum	rated compress		
	double	HZ	KW	V	A	m3/h	mbar	mbar		
420 A31	雙	50	1.5	220-240V	9	150	-260	260	66	28
		60	1.75	220-240V	9.5	180	-300	290	69	
420 A41	雙	50	2.2	220-240V	10	150	-265	265	66	31
		60	2.55	220-240V	11	180	-310	300	69	
430 A11	雙	50	0.85	220-240V	5.2	180	-100	110	64	16
		60	0.95	220-240V	5.8	210	-100	110	66	
430 A21	雙	50	1.3	220-240V	7.3	180	-150	140	64	17
		60	1.5	220-240V	8.3	210	-140	130	66	
510 A01	單	50	0.85	220-240V	5	210	-160	160	64	20
		60	0.95	220-240V	5.8	255	-145	140	70	
510 A11	單	50	1.3	220-240V	7.3	210	-170	170	64	22
		60	1.5	220-240V	8.3	255	-150	140	70	
510 A21	單	50	1.5	220-240V	9	210	-200	190	64	24
		60	1.75	220-240V	10	255	-220	210	70	
510 A31	單	50	2.2	220-240V	10	210	-220	270	64	26
		60	2.55	220-240V	11	255	-260	290	70	
530 A21	單	50	1.5	220-240V	9	270	-150	140	65	28
		60	1.75	220-240V	10	330	-120	110	71	
610 A11	單	50	2.2	220-240V	10	270	-230	250	64	30
		60	2.55	220-240V	11	315	-250	270	70	
710 A11	單	50	2.2	220-240V	12	318	-190	190	72	30
		60	2.55	220-240V	12.8	376	-190	200	74	

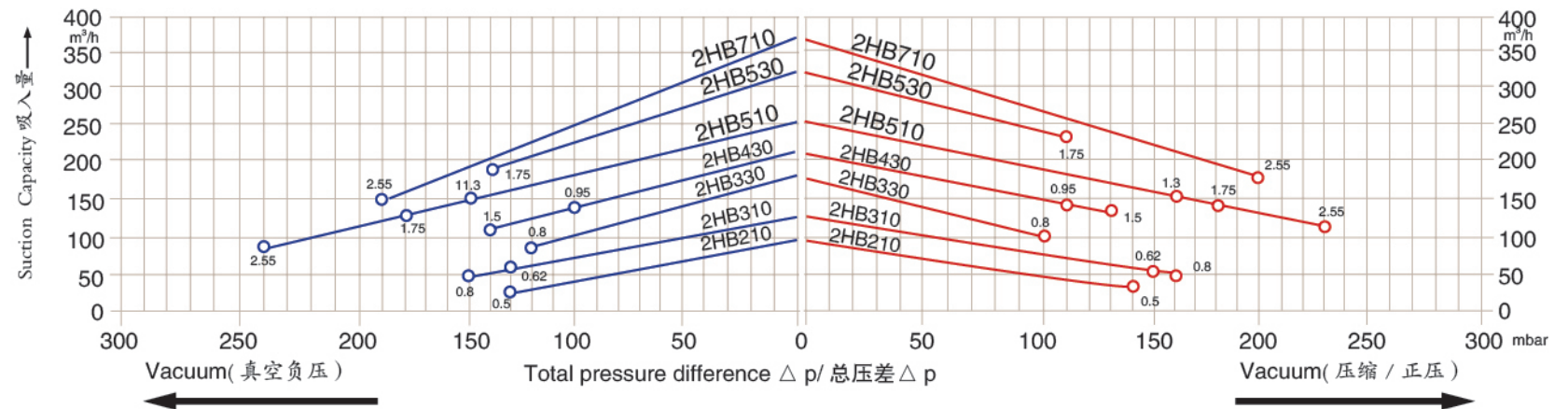
2HB/VACUUMCOMPRESSION TYPE CURVE

真空壓縮選型曲線 1AC

Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz 50 Hz Compressor Selection Diagram 50 Hz-- 壓縮選型圖表 50 Hz



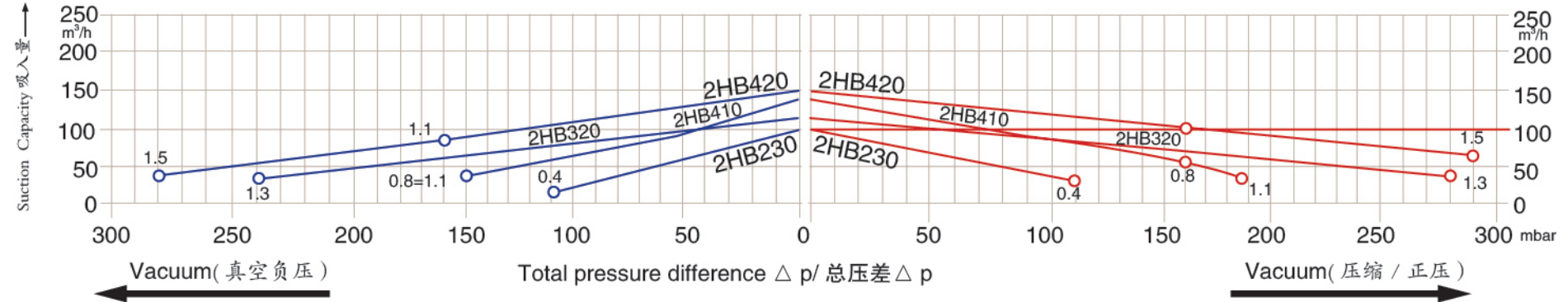
Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz Compressor Selection Diagram 60 Hz-- 壓縮選



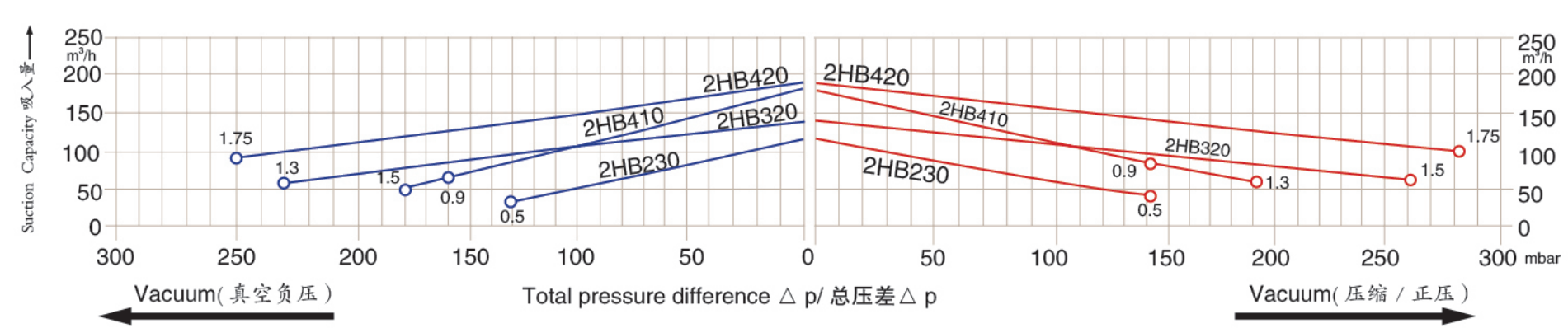
2HB/VACUUMCOMPRESSION TYPE CURVE

真空壓縮選型曲線 1AC

Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz Compressor Selection Diagram 50 Hz-- 壓縮選型圖表 50 Hz



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz Compressor Selection Diagram 60 Hz-- 壓縮選型圖表 60 Hz



2HB2/3AC SINGLE, DOUBLE IMPELLERGAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE (IP55 50/60HZ)

2HB/3AC (單、雙級) 氣環真空泵型號及性能參數 (IP55 50/60HZ)



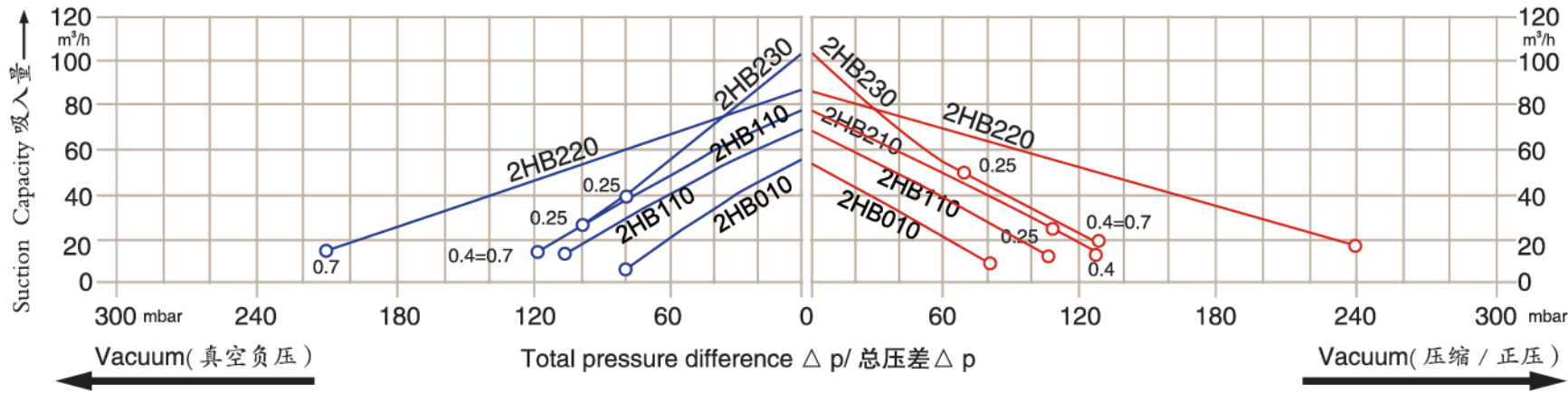
型 號 (2HB 3AC) Model	單級	馬達參數					最大	額定	額定	噪音	重量
	雙級	頻率	功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	ratedVacuum	rated compress		
	double	HZ	KW	V		A	m3/h	mbar	mbar		
2HB 010 H06	單	50	0.12	200–240 Δ	345–415Y	1.2 Δ/0.9Y	55	–60	60	46	5
		60	0.14	220–275 Δ	380–480Y	1.2 Δ/0.9Y	68	–80	80	48	
2HB 110 H06	單	50	0.20	200–240 Δ	345–415Y	1.75 Δ/1.0Y	70	–100	100	48	7
		60	0.23	220–275 Δ	380–480Y	1.75 Δ/1.0Y	85	–110	110	50	
2HB 210 H06	單	50	0.25	200–240 Δ	345–415Y	2.6 Δ/1.5Y	80	–100	110	53	9
		60	0.29	220–275 Δ	380–480Y	2.6 Δ/1.5Y	98	–110	110	56	
2HB 210 H16	單	50	0.4	200–240 Δ	345–415Y	2.6 Δ/1.5Y	80	–120	130	53	10
		60	0.5	220–275 Δ	380–480Y	2.6 Δ/1.5Y	98	–150	160	56	
2HB 230 H16	單	50	0.4	200–240 Δ	345–415Y	2.6 Δ/1.5Y	105	–120	130	54	11
		60	0.5	220–275 Δ	380–480Y	2.6 Δ/1.5Y	120	–150	155	57	
2HB 230 H26	單	50	0.7	200–240 Δ	345–415Y	3.8 Δ/2.2Y	105	–120	130	54	12
		60	0.83	220–275 Δ	380–480Y	3.8 Δ/2.2Y	120	–165	180	57	
2HB 220 H26	雙	50	0.7	200–240 Δ	345–415Y	3.8 Δ/2.2Y	85	–210	240	55	16
		60	0.83	220–275 Δ	380–480Y	3.75 Δ/2.15Y	102	–250	250	61	

2HB2/VACUUMCOMPRESSION TYPE CURVE

真空壓縮選型曲線 3AC

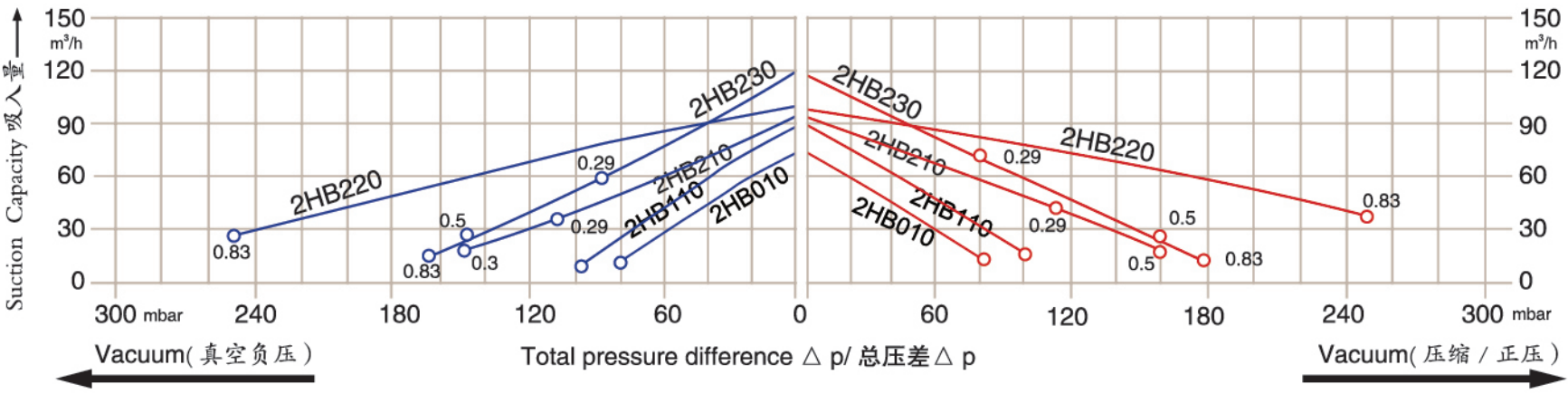
Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz

Compressor Selection Diagram 50 Hz-- 壓縮選



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz

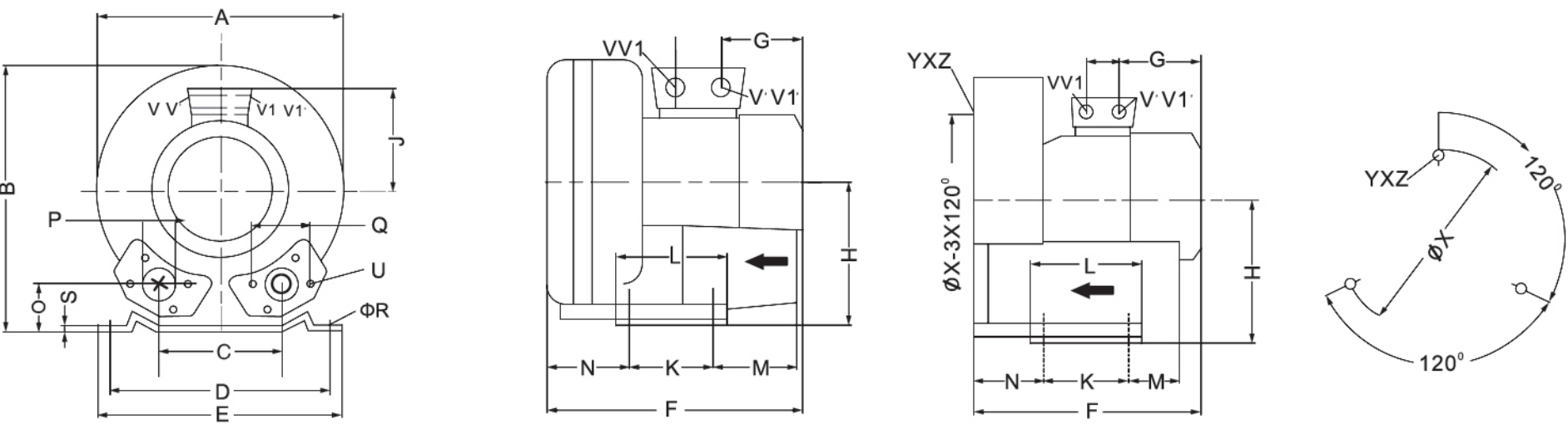
Compressor Selection Diagram 60 Hz-- 壓縮選



2HB2 SINGLE STAGE MOUNTING DIMENSIONS

2HB2 單級安裝尺寸

210/230

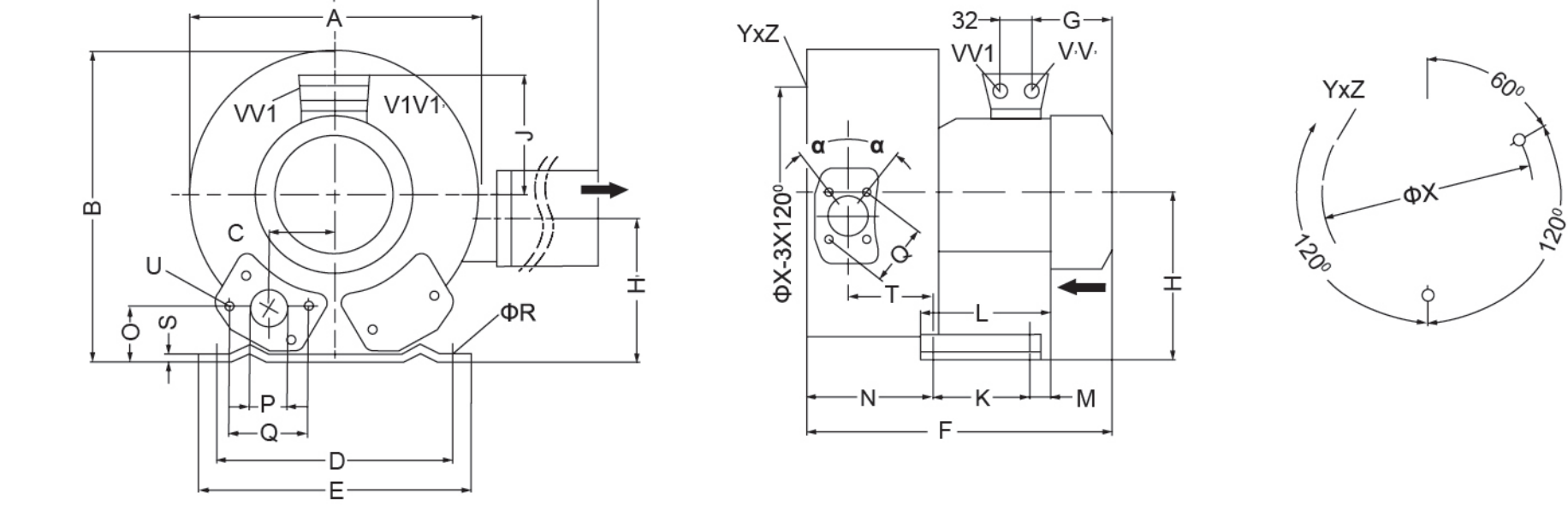


型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φ R	S	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	YXZ	X-HOLES	φ X
2HB 010-H06	3~	190	204	75	156	174	220	165	102	70	81	101	90	45	27	G1 _{1/4}	46	8	2	M6X15			M25X1.5	M16X1.5	M6X15	0°/120°/240°	125
2HB 110-H06	3~	215	225	75	156	174	248	92	116	101	81	101	72	50	32	G1 _{1/4}	46	9	2	M6X15			M25X1.5	M16X1.5	M6X15	0°/120°/240°	125
2HB 210-H06	3~	246	247	90	205	230	252	92	128	101	83	108	75	71	39	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	140
2HB 210-H16	3~	246	247	90	205	230	256	135	128	111	83	108	75	71	39	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	140
2HB 230-H06	3~	246	247	90	205	230	265	102	128	101	83	108	75	82	39	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	140
2HB 230-H16	3~	246	247	90	205	230	267	135	128	111	83	108	75	82	39	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	140
2HB 230-H26	3~	246	247	90	205	230	267	135	128	111	83	108	75	82	39	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	140
2HB 210-A11	1~	246	247	90	205	230	256	135	128	101	83	108	75	71	39	G1 _{1/4}	64	10	3	M6X20	M16X1.5	M25X1.5			M6X15	0°/120°/240°	140
2HB 230-A11	1~	246	247	90	205	230	267	135	128	111	83	108	75	82	39	G1 _{1/4}	64	10	3	M6X25	M16X1.5	M25X1.5			M6X15	0°/120°/240°	140

2HB2 TWO STAGE MOUNTING DIMENSIONS

2HB2 雙級安裝尺寸

220



型號 Type	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φ R	S	T	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	a	φ X	YXZ	X-Holes
2HB 220-H26	3~	284	316	270	45	205	230	316	135	128	106	111	83	108	75	130	39	G1 _{1/4}	64	10	3	88	M6X17			M25X1.5	M16X1.5	27°	140	M6X15	51°/171°/291°

2HB3/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)



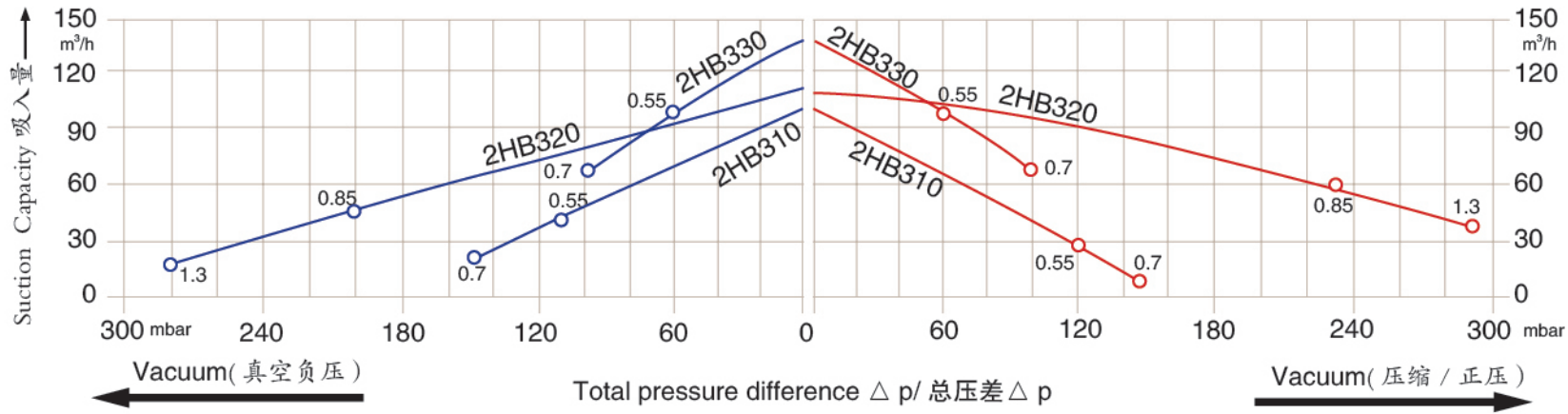
型 號 (2HB 3AC) Model	單級	馬達參數					最大	額定	額定	噪音	重量
	雙級	頻率	功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress	noises	
	double	HZ	KW	V		A	m3/h	mbar	mbar	dB(A)	Weight
2HB 310 H06	單	50	0.55	200–240 Δ	345–415Y	2.8 Δ/1.6Y	100	–110	120	55	11
		60	0.63	220–275 Δ	380–480Y	3.0 Δ/1.7Y	120	–110	120	57	
2HB 310 H16	單	50	0.7	200–240 Δ	345–415Y	3.8 Δ/2.2Y	100	–150	150	55	12
		60	0.83	220–275 Δ	380–480Y	3.8 Δ/2.2Y	120	–150	140	57	
2HB 330 H06	單	50	0.55	200–240 Δ	345–415Y	2.8 Δ/1.6Y	140	–80	90	56	12
		60	0.63	220–275 Δ	380–480Y	3.0 Δ/1.7Y	165	–100	100	58	
2HB 330 H16	單	50	0.75	200–240 Δ	345–415Y	3.8 Δ/2.2Y	140	–100	100	56	13
		60	0.83	220–275 Δ	380–480Y	3.8 Δ/2.2Y	165	–115	100	58	
2HB 320 H26	雙	50	0.85	200–240 Δ	345–415Y	4.2 Δ/2.4Y	110	–200	230	58	17
		60	0.95	220–275 Δ	380–480Y	4.0 Δ/2.3Y	130	–240	240	60	
2HB 320 H36	雙	50	1.3	200–240 Δ	345–415Y	5.7 Δ/3.3Y	110	–230	230	58	18
		60	1.5	220–275 Δ	380–480Y	6.0 Δ/3.5Y	130	–260	260	60	

2HB3/VACUUM COMPRESSION TYPE CURVE

真空壓縮選型曲線 3AC

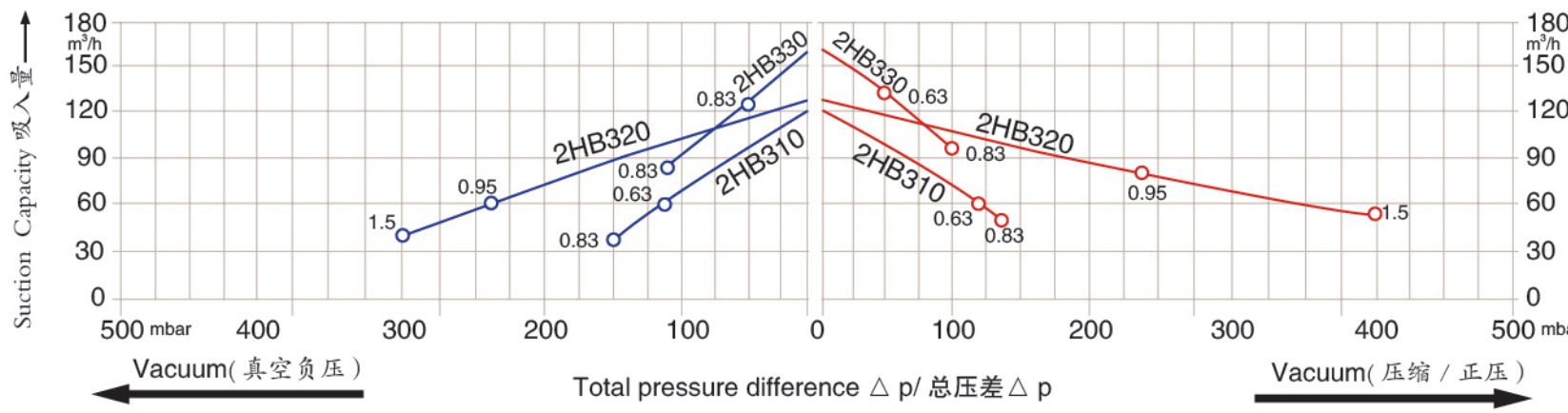
Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz

Compressor Selection Diagram 50 Hz-- 壓縮選



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz

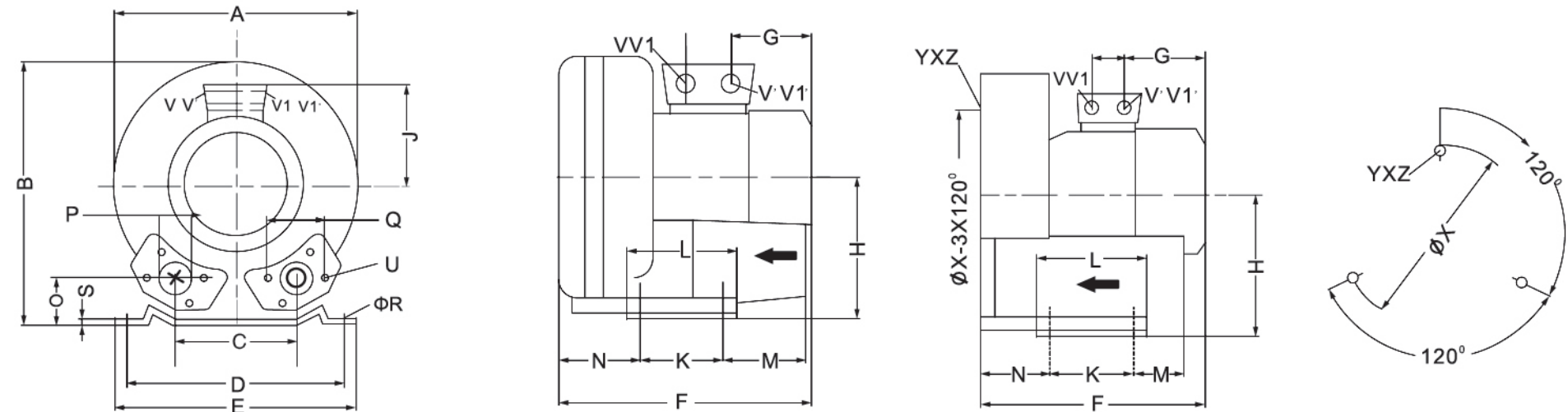
Compressor Celetion Diagram 60 Hz-- 壓縮選型圖表 60 Hz



2HB3 Single stage mounting dimensions

2HB3 單級安裝尺寸

310/330

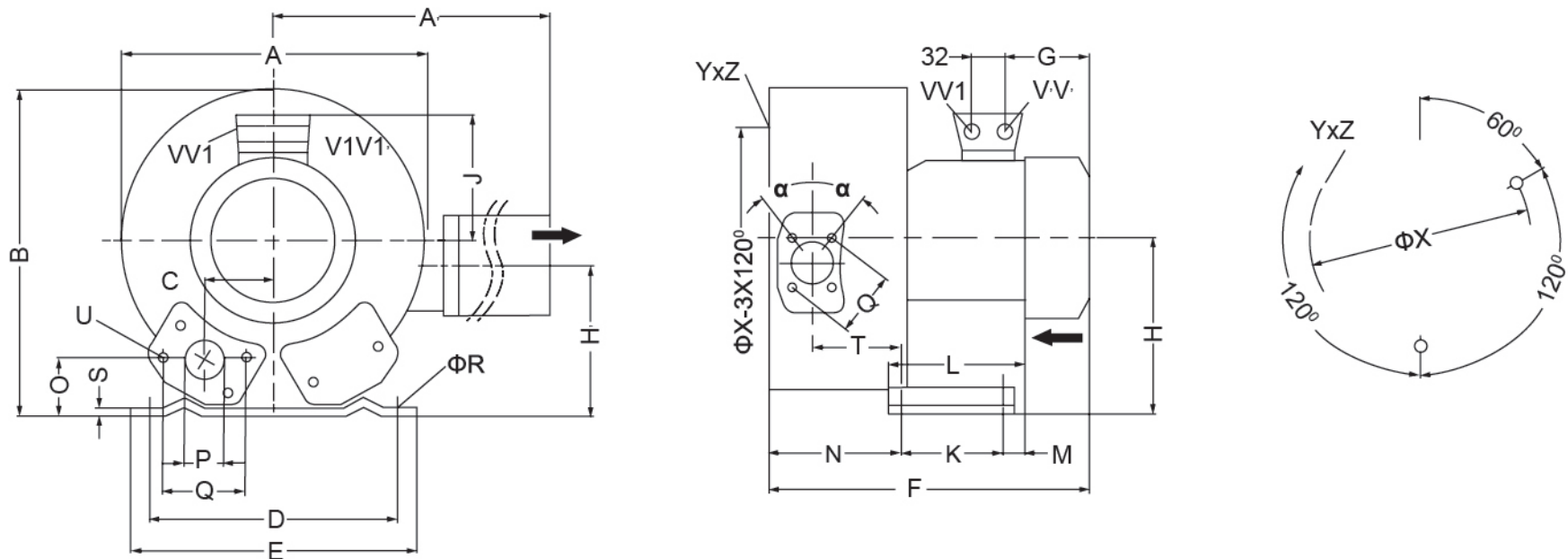


型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φ R	S	U	V(1~)	V(1~)	V1(3~)	V1'(3~)	YXZ	X-HOLES	φ X
2HB 310-H06	3~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	160
2HB 310-H16	3~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	160
2HB 330-H06	3~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	160
2HB 330-H16	3~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1 _{1/4}	64	10	2.5	M6X17			M25X1.5	M16X1.5	M6X15	0°/120°/240°	160
2HB 310-A01	1~	268	272	93	205	230	260	92	141	101	83	108	82	69	41	G1 _{1/4}	64	10	3	M6X17	M25X1.5	M16X1.5			M6X15	0°/120°/240°	160
2HB 310-A11	1~	268	272	93	205	230	260	92	141	101	83	108	82	69	41	G1 _{1/4}	64	10	3	M6X17	M25X1.5	M16X1.5			M6X15	0°/120°/240°	160
2HB 330-A11	1~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1 _{1/4}	64	10	2.5	M6X17	M25X1.5	M16X1.5			M6X15	0°/120°/240°	160

2HB3 TWO STAGE MOUNTING DIMENSIONS

2HB3 雙級安裝尺寸

320



型號 Type	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φ R	S	T	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	a	φ X	YXZ	X-Holes
2HB 320-H36	3~	293	324	286	47	205	230	354	160	141	114	120	83	108	82	138	41	G1 _{1/4}	64	10	3	92	M6X17			M25X1.5	M16X1.5	27°	160	M6X15	51°/171°/291°
2HB 320-A31	1~	293	324	286	47	205	230	354	160	141	114	120	83	108	82	138	41	G1 _{1/4}	64	10	3	92	M6X17	M25X1.5	M16X1.5			27°	160	M6X15	51°/171°/291°

2HB4/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

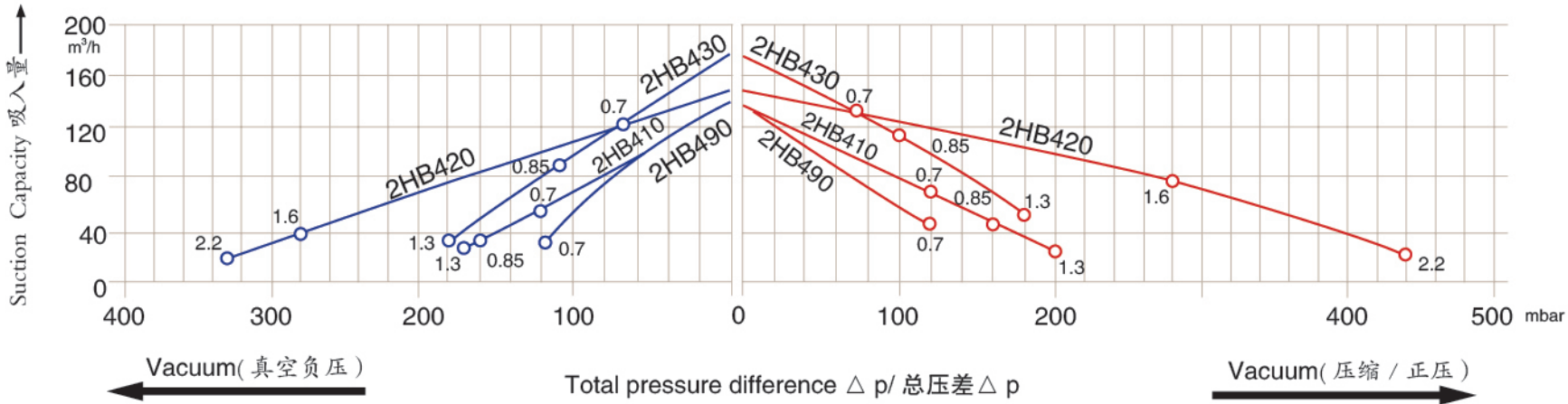
(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

型 號 (2HB 3AC) Model	單級	馬達參數				最大	額定	額定	噪音	重量
	雙級	頻率	功率	額定電壓	額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage	current	Max airflow	rated Vacuum	rated compress		
	double	HZ	KW	V	A	m3/h	mbar	mbar		
2HB 410 H06	單	50	0.7	200–240 Δ	345–415Y	3.8 Δ/2.2Y	145	–120	120	63
		60	0.83	220–275 Δ	380–480Y	3.75 Δ/2.15Y	175	–140	140	64
2HB 410 H16	單	50	0.85	200–240 Δ	345–415Y	4.0 Δ/2.3Y	145	–160	160	63
		60	0.95	220–275 Δ	380–480Y	3.85 Δ/2.25Y	175	–160	160	64
2HB 410 H26	單	50	1.3	200–240 Δ	345–415Y	5.7 Δ/3.3Y	145	–170	200	63
		60	1.5	220–275 Δ	380–480Y	6.0 Δ/3.5Y	175	–210	220	64
2HB 430 H06	單	50	0.7	200–240 Δ	345–415Y	3.8 Δ/2.2Y	180	–90	90	64
		60	0.83	220–275 Δ	380–480Y	3.8 Δ/2.2Y	210	–100	110	65
2HB 430 H16	單	50	0.85	200–240 Δ	345–415Y	4.2 Δ/2.4Y	180	–110	100	64
		60	0.95	220–275 Δ	380–480Y	4.0 Δ/2.3Y	210	–120	120	65
2HB 430 H26	單	50	1.3	200–240 Δ	345–415Y	6.6 Δ/3.8Y	180	–180	180	64
		60	1.5	220–275 Δ	380–480Y	6.9 Δ/4.0Y	210	–180	170	65
2HB 490 H16	單	50	0.7	200–240 Δ	345–415Y	2.8 Δ/1.6Y	140	–120	120	63
		60	0.85	220–275 Δ	380–480Y	3.6 Δ/2.1Y	175	–140	140	64
2HB 420 H36	雙	50	1.6	200–240 Δ	345–415Y	7.5 Δ/4.3Y	150	–280	280	66
		60	2.05	220–275 Δ	380–480Y	7.6 Δ/4.4Y	180	–320	310	69
2HB 420 H46	雙	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	150	–330	420	66
		60	2.55	220–275 Δ	380–480Y	10 Δ/5.8Y	180	–350	440	69

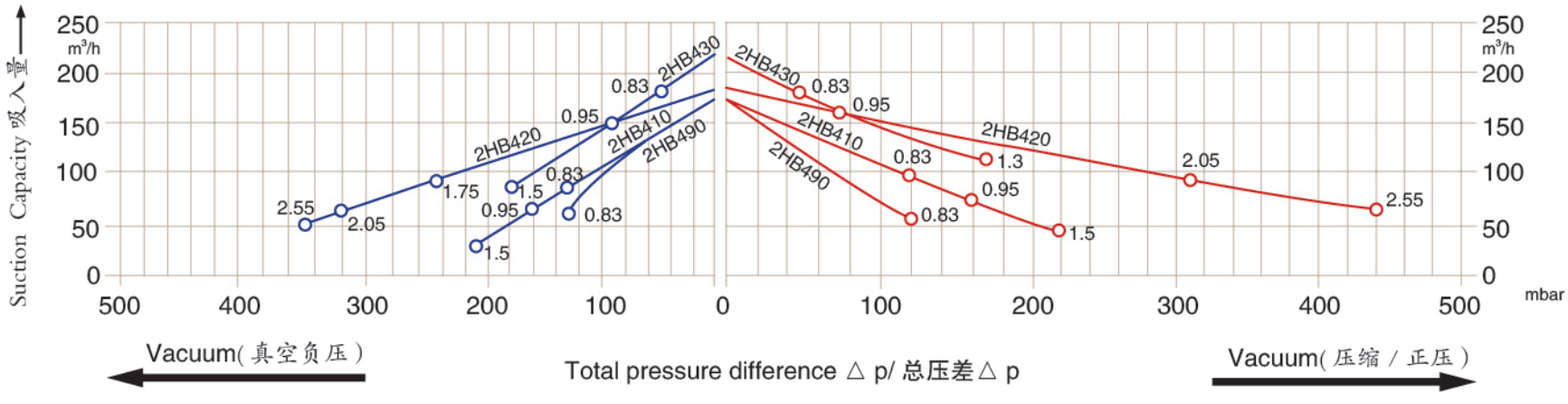
2HB4/VACUUM COMPRESSION TYPE CURVE

真空壓縮選型曲線 3AC

Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 HzCompressor Selection Diagram 50 Hz-- 壓縮選



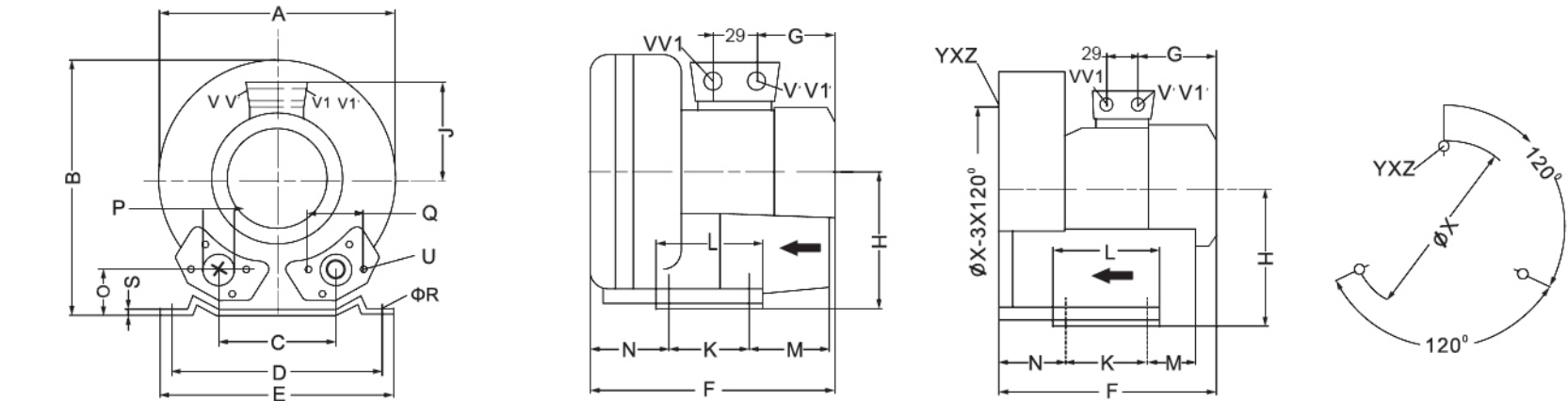
Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 HzCompressor Celetion Diagram 60 Hz-- 壓縮選型



2HB4 SINGLE STAGE MOUNTING DIMENSIONS

2HB4 單級安裝尺寸

410/430/490

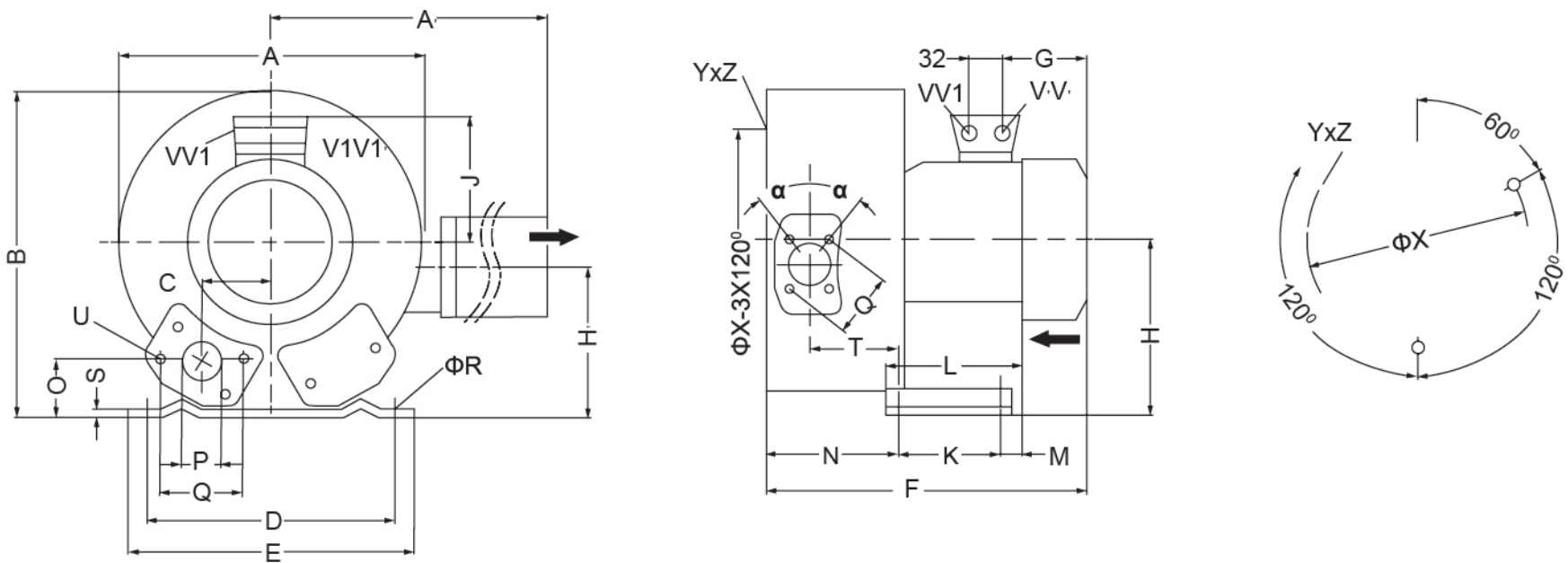


型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φ R	S	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	YXZ	X-HOLES	φ X
2HB 410-H06	3~	286	302	115	225	255	269	135	154	111	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 410-H16	3~	286	302	115	225	255	292	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 410-H26	3~	286	302	115	225	255	292	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 430-H06	3~	286	302	115	225	255	288	135	154	111	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 430-H16	3~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 430-H26	3~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 490-H16	3~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19			M25X1.5	M16X1.5	M6X15	0°/120°/240°	174
2HB 410-A11	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19	M16X1.5	M25X1.5			M6X15	0°/120°/240°	174
2HB 410-A21	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19	M16X1.5	M25X1.5			M6X15	0°/120°/240°	174
2HB 430-A11	1~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19	M16X1.5	M25X1.5			M6X15	0°/120°/240°	174
2HB 430-A21	1~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G _{1/2}	72	12	3	M6X19	M16X1.5	M25X1.5			M6X15	0°/120°/240°	174

2HB4 TWO STAGE MOUNTING DIMENSIONS

2HB4 雙級安裝尺寸

420



型號 Type	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φ R	S	T	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	a	φ X	YXZ	X-Holes
2HB 420-H36	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			M25X1.5	M16X1.5	28°	174	M6X15	51°/171°/291°
2HB 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			M25X1.5	M16X1.5	28°	174	M6X15	51°/171°/291°
2HB 420-A31	1~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G _{1/2}	72	12	3	104	M6X19	M16X1.5	M25X1.5			28°	174	M6X15	51°/171°/291°

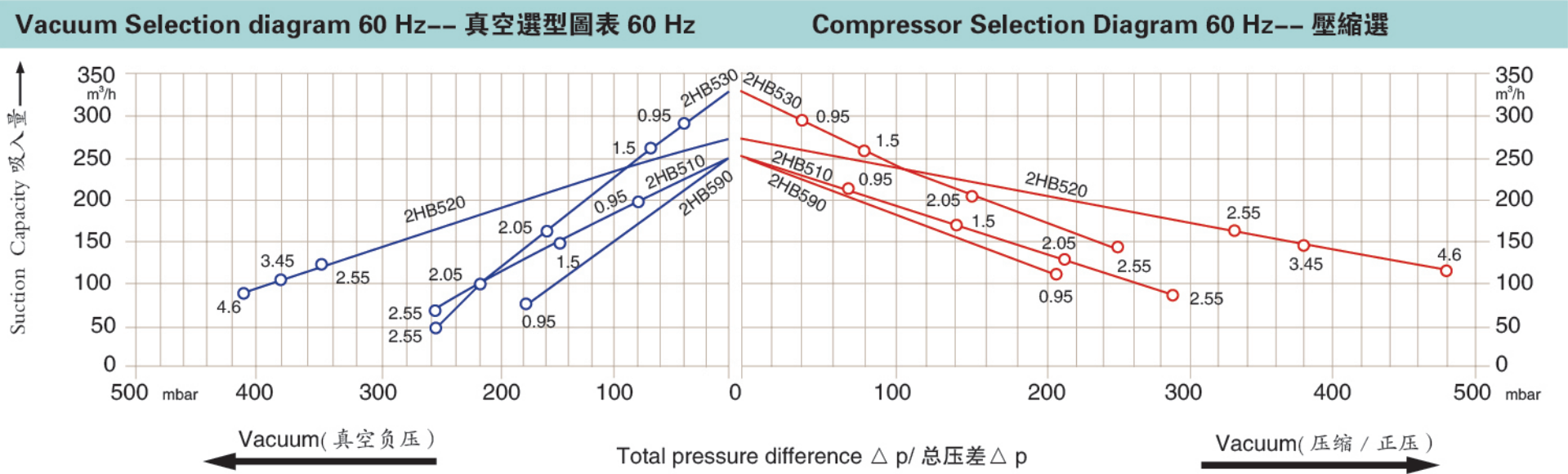
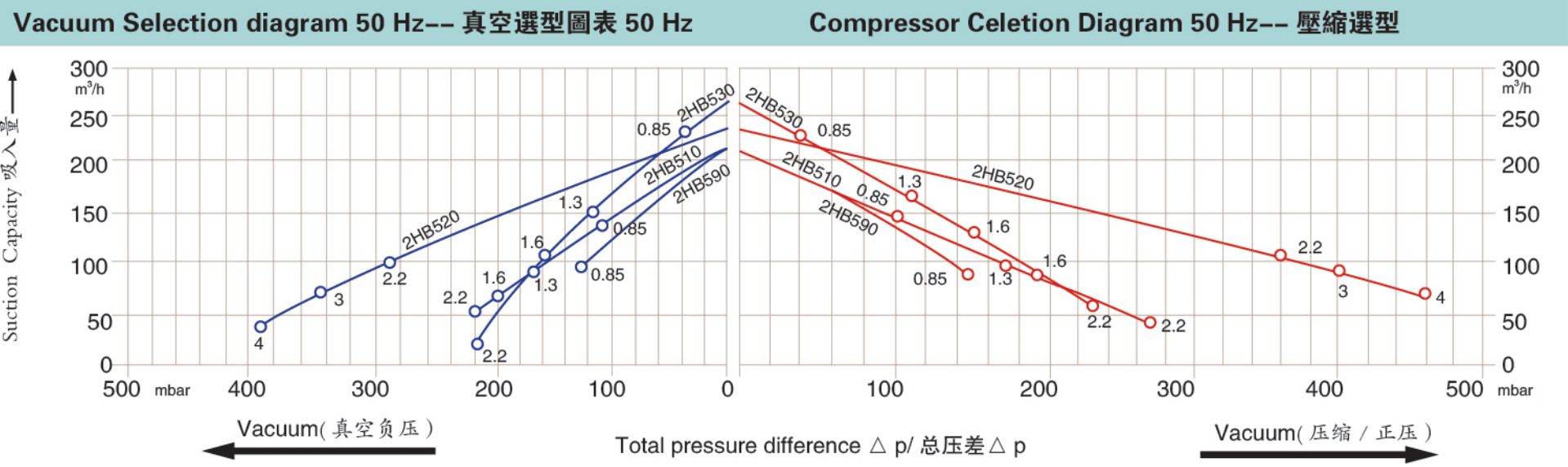
2HB5/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

型 號 (2HB 3AC) Model	單級	馬達參數					最大	額定	額定	噪音	重量		
	雙級	頻率	功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力				
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress			noises	Weight
	double	HZ	KW	V		A	m3/h	mbar	mbar			dB(A)	Kg
2HB 510 H06	單	50	0.85	200–240 Δ	345–415Y	4.0 Δ/2.3Y	210	–160	170	64	20		
		60	0.95	220–275 Δ	380–480Y	4.2 Δ/2.4Y	255	–150	160	70			
2HB 510 H16	單	50	1.3	200–240 Δ	345–415Y	6.6 Δ/3.8Y	210	–170	170	64	22		
		60	1.5	220–275 Δ	380–480Y	6.9 Δ/4.0Y	255	–180	190	70			
2HB 510 H26	單	50	1.6	200–240 Δ	345–415Y	7.5 Δ/4.3Y	210	–200	190	64	23		
		60	2.05	220–275 Δ	380–480Y	7.6 Δ/4.4Y	255	–220	210	70			
2HB 510 H36	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	210	–220	270	64	25		
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	255	–260	290	70			
2HB 530 H06	單	50	0.85	200–240 Δ	345–415Y	4.0 Δ 2.3Y	270	–100	100	65	21		
		60	0.95	220–275 Δ	380–480Y	4.2 Δ/2.4Y	330	–110	110	71			
2HB 530 H16	單	50	1.3	200–240 Δ	345–415Y	6.6 Δ/3.8Y	270	–120	110	65	23		
		60	1.5	220–275 Δ	380–480Y	6.9 Δ/4.0Y	330	–130	130	71			
2HB 530 H26	單	50	1.6	200–240 Δ	345–415Y	7.5 Δ/4.3Y	270	–150	150	65	24		
		60	2.05	220–275 Δ	380–480Y	7.6 Δ/4.4Y	330	–150	150	71			
2HB 530 H36	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	270	–220	230	65	26		
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6Y	330	–260	250	71			
2HB 590 H26	單	50	1.1	200–240 Δ	345–415Y	5.7 Δ 3.3Y	210	–130	150	64	23		
		60	1.3	220–275 Δ	380–480Y	6.0 Δ/3.5Y	255	–180	210	70			
2HB 520 H36	雙	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	230	–290	360	72	25		
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	275	–350	330	74			
2HB 520 H46	雙	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	230	–340	410	72	40		
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	275	–380	360	74			
2HB 520 H57	雙	50	4	345–415 Δ	600–720Y	10 Δ/5.8Y	230	–390	490	72	44		
		60	4.6	380–480 Δ	660–720Y	9.9 Δ/5.71Y	275	–410	480	74			

2HB5/VACUUM COMPRESSION TYPE CURVE

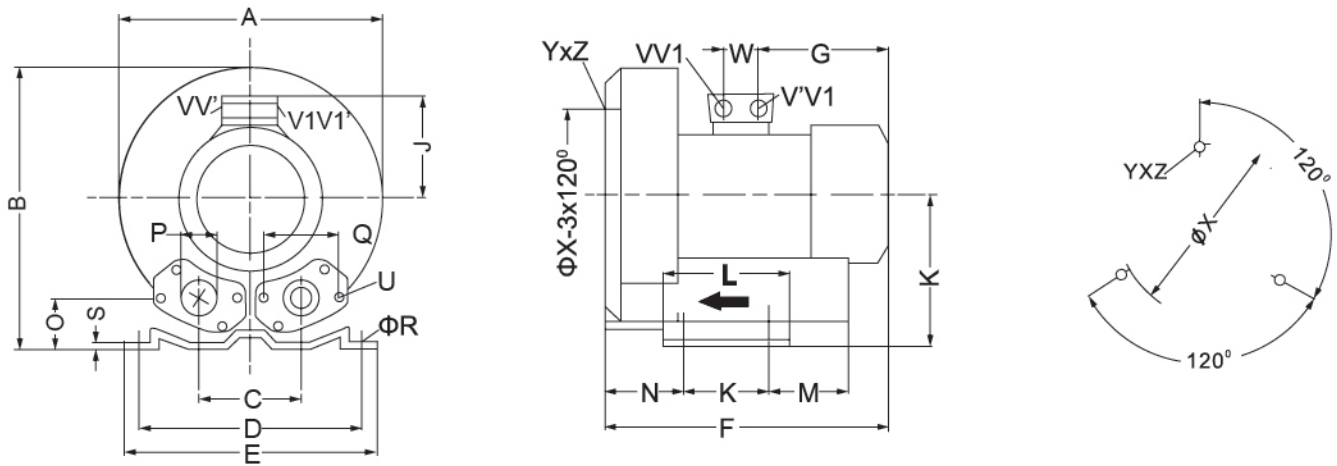
真空壓縮選型曲綫 3AC



2HB5 SINGLE STAGE MOUNTING DIMENSIONS

2HB5 單級安裝尺寸

510/530/590

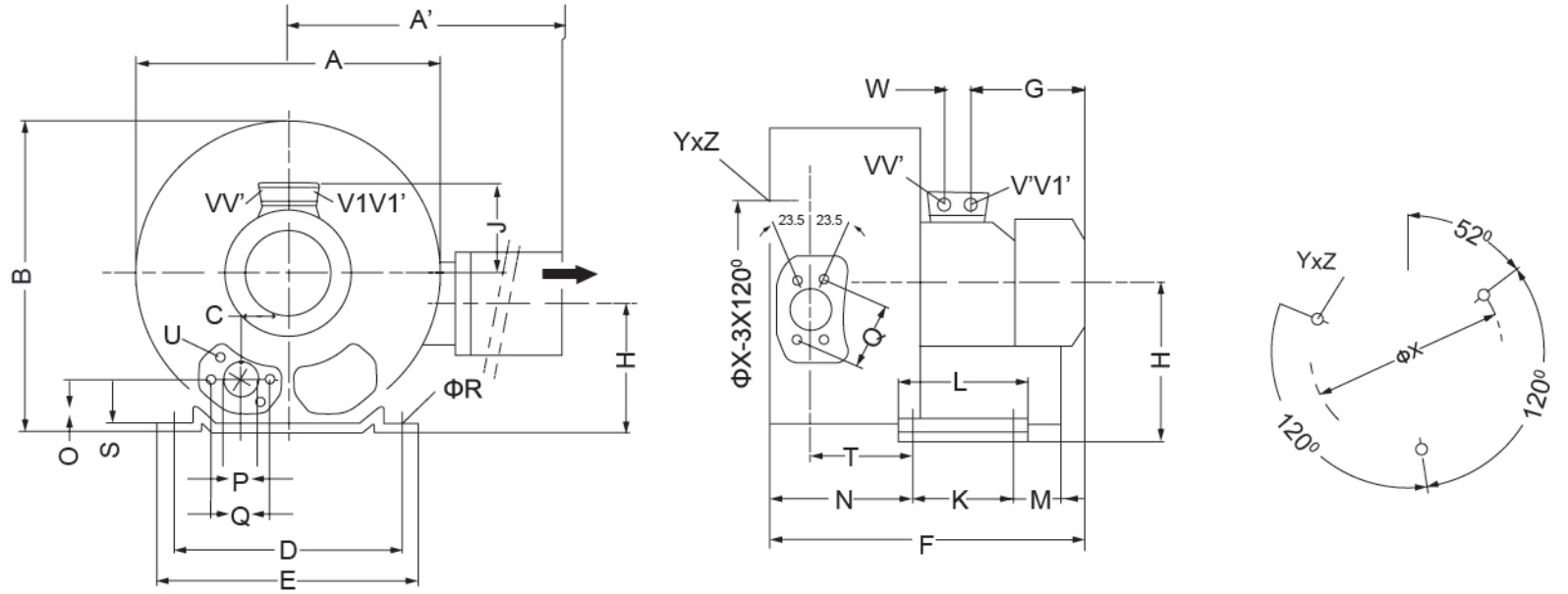


型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φR	S	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	YXZ	X-HOLES	φX	W
2HB 510-H06	3~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 510-H16	3~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 510-H26	3~	334	337	120	260	295	346	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 510-H36	3~	334	337	120	260	295	346	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 530-H06	3~	334	337	120	260	295	334	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 530-H16	3~	334	337	120	260	295	334	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 530-H26	3~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 530-H36	3~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 590-H26	3~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	200	29
2HB 510-A11	1~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17	M25X1.5	M16X1.5			M8X20	0°/120°/240°	200	29
2HB 510-A21	1~	334	337	120	260	295	345	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17	M25X1.5	M16X1.5			M8X20	0°/120°/240°	200	29
2HB 530-A11	1~	334	337	120	260	295	334	160	175	120	115	155	96	87	48	G2	83	14	4	M8X17	M25X1.5	M16X1.5			M8X20	0°/120°/240°	200	29
2HB 530-A21	1~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17	M25X1.5	M16X1.5			M8X20	0°/120°/240°	200	29
2HB 590-A21	1~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2	83	14	4	M8X17	M25X1.5	M16X1.5			M8X20	0°/120°/240°	200	29

2HB5 TWO STAGE MOUNTING DIMENSIONS

2HB5 雙級安裝尺寸

520



型號 Type	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V	V'	V1	V1'	φX	YXZ	X-Holes	W
2HB 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
2HB 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

2HB6/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)



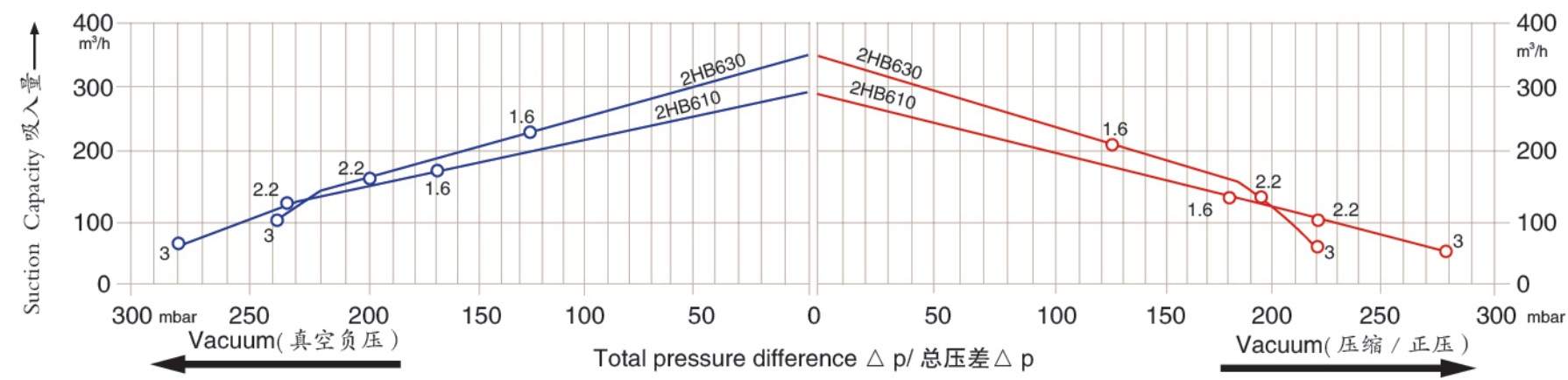
型 號 (2HB 3AC) Model	單	馬達參數				最大額定	額定	額定	噪 音	重 量
	雙	頻 率	功 率	額定電壓		額定電流	排吸流量	真空壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum		
	double	HZ	KW	V		A	m3/h	mbar		
2HB 610 H06	單	50	1.6	200–240 Δ	345–415Y	8.5 Δ/4.9Y	265	–170	180	68
		60	2.05	220–275 Δ	380–480Y	8.8 Δ/5.1Y	315	–180	190	70
2HB 610 H16	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	265	–235	220	69
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	315	–245	230	72
2HB 610 H26	單	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	265	–280	280	69
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	315	–260	270	72
2HB 630 H06	單	50	1.6	200–240 Δ	345–415Y	8.5 Δ/4.9Y	345	–125	125	70
		60	2.05	220–275 Δ	380–480Y	8.8 Δ/5.1Y	415	–105	130	73
2HB 630 H16	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	345	–200	195	70
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	415	–170	195	73
2HB 630 H26	單	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	345	–240	220	70
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	415	–210	220	73

2HB6/VACUUM COMPRESSION TYPE CURVE

真空壓縮選型曲線 3AC

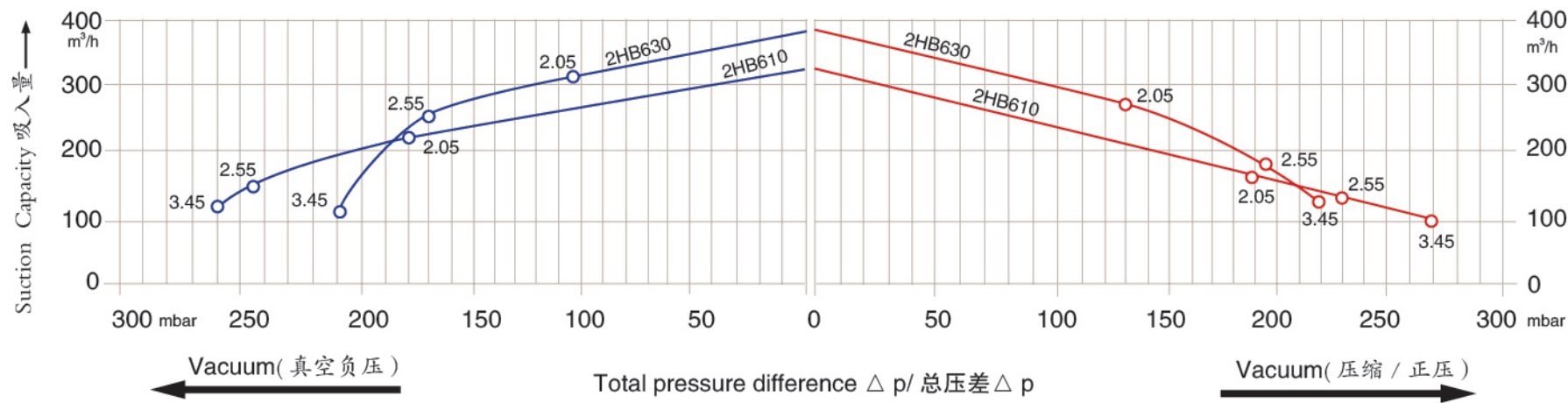
Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz

Compressor Selection Diagram 50 Hz-- 壓縮選



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz

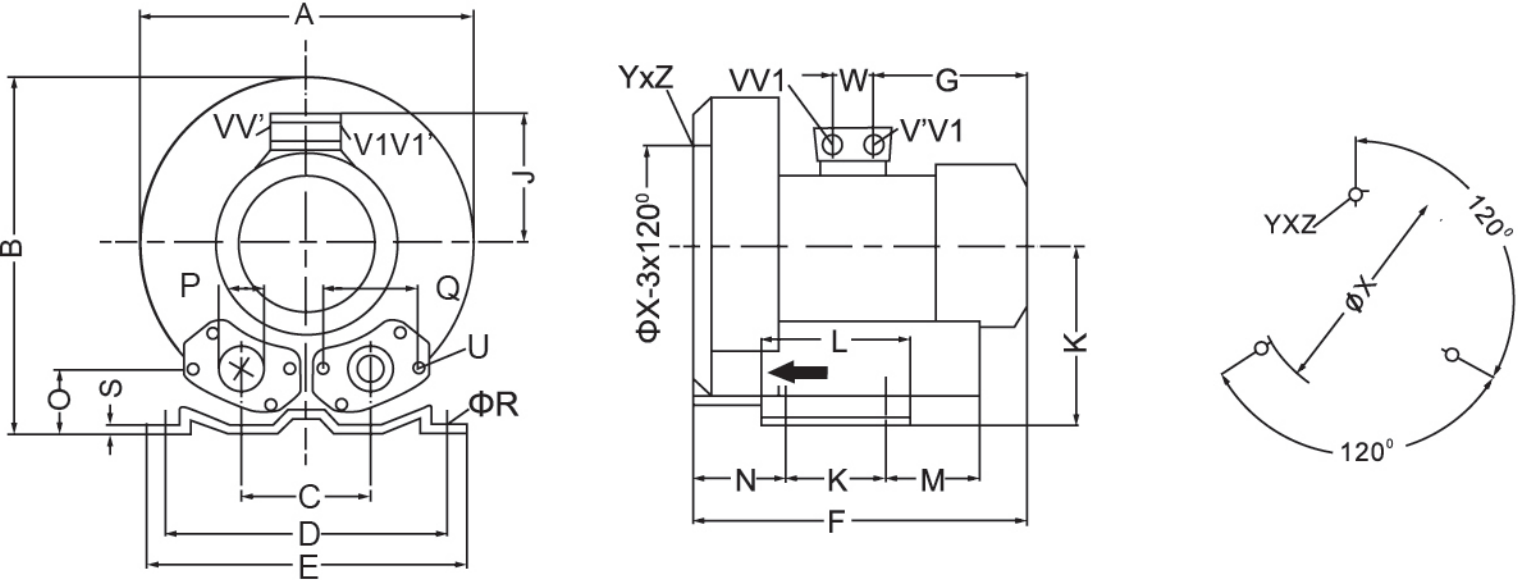
Compressor Celetion Diagram 60 Hz-- 壓縮選型



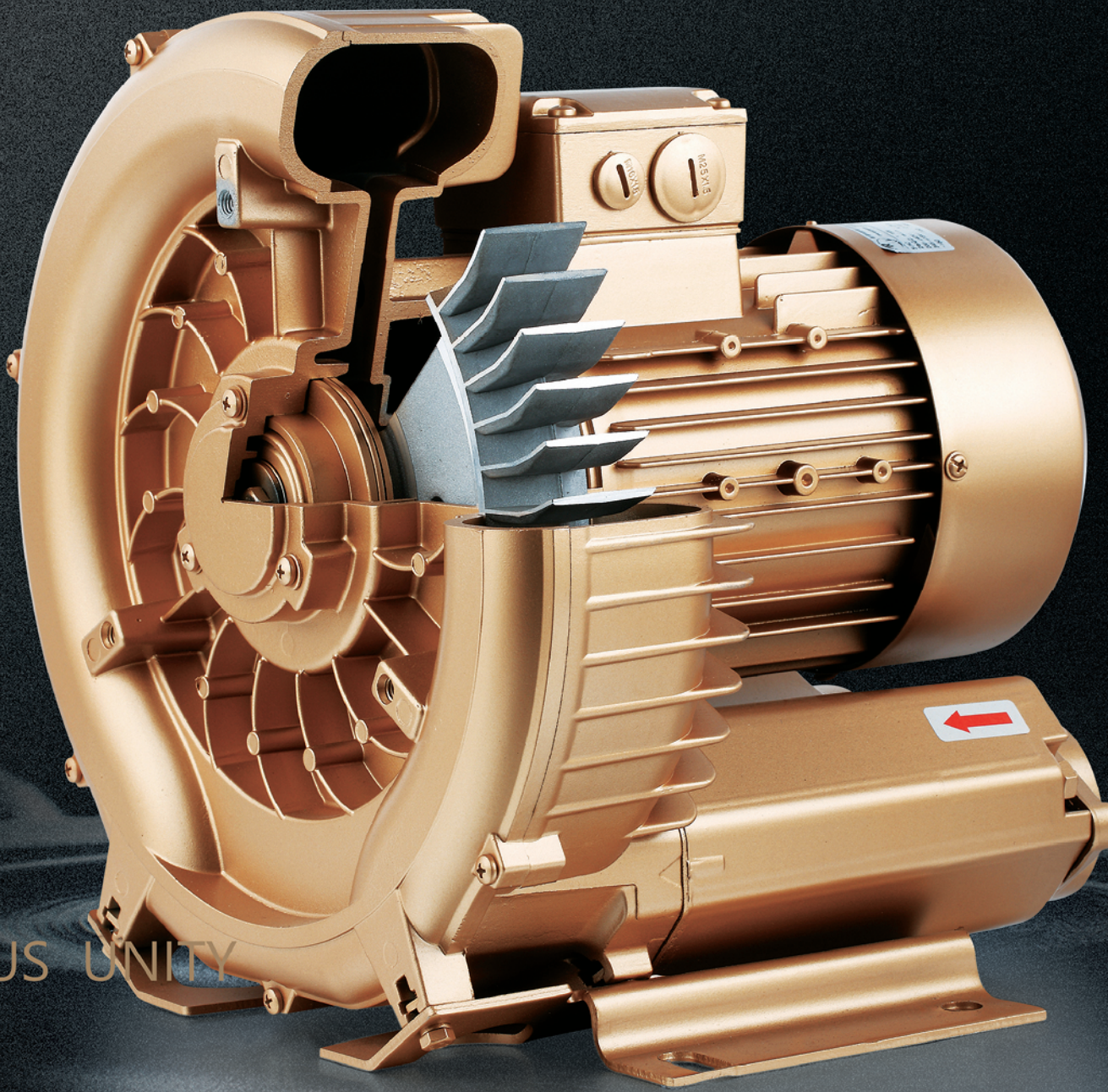
2HB6 SINGLE STAGE MOUNTING DIMENSIONS

2HB6 單級安裝尺寸

610/630



型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φ R	S	U	V(1~)	V(1~)	V1(3~)	V1(3~)	YZ	X-HOLES	φ X	W
2HB 610-H06	3~	360	366	122	290	325	354	191	192	128	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	226	29
2HB 610-H16	3~	360	366	122	290	325	354	191	192	128	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	226	29
2HB610-H26	3~	360	366	122	290	325	385	188	192	135	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M25X1.5	M8X20	0°/120°/240°	226	42
2HB 630-H06	3~	360	366	122	290	325	372	191	192	128	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	226	29
2HB630-H16	3~	360	366	122	290	325	372	191	192	128	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M16X1.5	M8X20	0°/120°/240°	226	29
2HB 630-H26	3~	360	366	122	290	325	403	188	192	135	140	180	64	74	56	G2	83	13	4.5	M8X17			M25X1.5	M25X1.5	M8X20	0°/120°/240°	226	42



DEDICATION
PROGRESRIGOROUS UNITY

2HB7/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

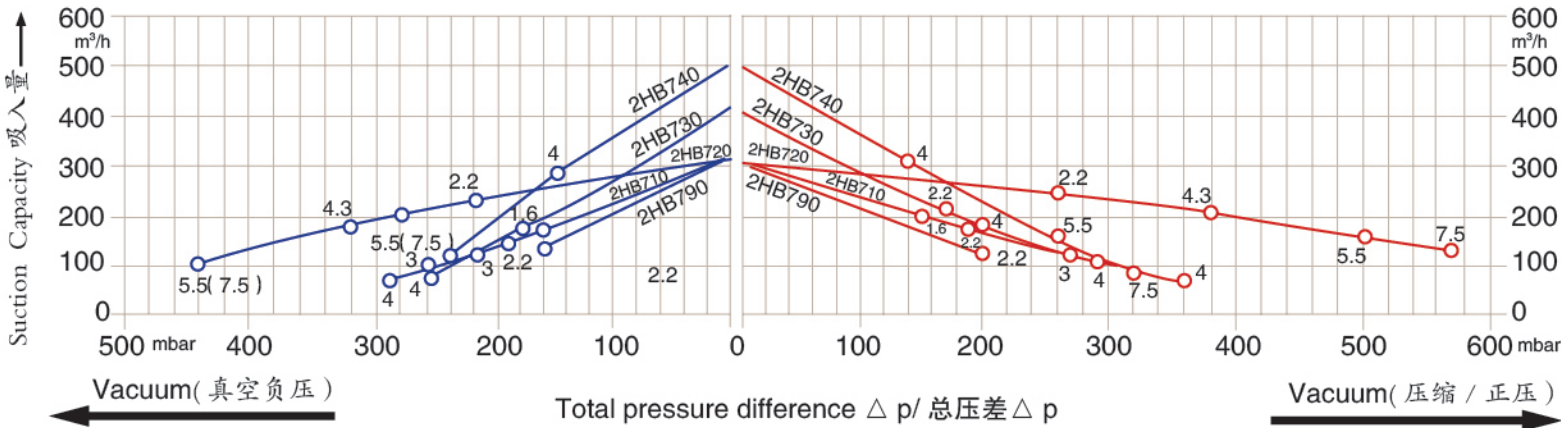
型 號 (2HB 3AC) Model	單級	頻率	馬達參數				最大	額定	額定	噪音	重量
	雙級		功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress	noises	Weight
	double	HZ	KW	V		A	m3/h	mbar	mbar	dB(A)	Kg
2HB 710 H16	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	318	–210	200	69	30
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	376	–210	200	72	
2HB 710 H26	單	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	318	–270	290	69	36
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	376	–250	230	72	
2HB 710 H37	單	50	4	345–415 Δ	600–720Y	9.0 Δ/5.2Y	318	–290	330	69	40
		60	4.6	380–480 Δ	660–720Y	9.0 Δ/5.2Y	376	–330	330	72	
2HB 710 H47	單	50	4.3	345–415 Δ	600–720Y	9.5 Δ/5.5Y	318	–295	335	69	43
		60	4.8	380–480 Δ	660–720Y	9.5 Δ/5.5Y	376	–335	335	72	
2HB 720 H16	雙	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	320	–220	210	73	43
		60	2.55	220–275 Δ	380–480Y	10.3 Δ/6.0Y	380	–170	150	76	
2HB 720 H26	雙	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	320	–280	260	73	48
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	380	–230	200	76	
2HB 720 H27	雙	50	4	345–415 Δ	600–720Y	9.0 Δ/5.2Y	320	–355	375	73	53
		60	4.6	380–480 Δ	660–720Y	9.4 Δ/5.2Y	385	–345	315	76	
2HB 720 H37	雙	50	4.3	345–415 Δ	600–720Y	10 Δ/5.2Y	320	–360	380	73	54
		60	4.8	380–480 Δ	660–720Y	10.4 Δ/6.0Y	380	–350	320	76	
2HB 720 H47	雙	50	5.5	345–415 Δ	600–720Y	13.3 Δ/7.7Y	320	–440	500	73	66
		60	6.3	380–480 Δ	660–720Y	13.3 Δ/7.7Y	380	–440	500	76	
2HB 720 H57	雙	50	7.5	345–415 Δ	600–720Y	16.7 Δ/9.6Y	320	–440	570	73	73
		60	8.6	380–480 Δ	660–720Y	17.3 Δ/10.0Y	380	–460	660	76	
2HB 730 H16	單	50	2.2	200–240 Δ	345–415Y	9.7 Δ/5.6Y	420	–170	170	70	32
		60	2.55	220–275 Δ	380–480Y	10.3 Δ6.0Y	500	–160	150	73	
2HB 730 H26	單	50	3	200–240 Δ	345–415Y	12.5 Δ/7.2Y	420	–220	200	70	37
		60	3.45	220–275 Δ	380–480Y	12.6 Δ/7.3Y	500	–200	190	73	
2HB 730 H37	單	50	4	345–415 Δ	600–720Y	9.0 Δ/5.2Y	420	–260	310	70	43
		60	4.6	380–480 Δ	660–720Y	9.0 Δ/5.2Y	500	–260	280	73	
2HB 740 H37	雙	50	4	345–415 Δ	600–720Y	9.0 Δ/5.2Y	500	–150	140	74	54
		60	4.6	380–480 Δ	660–720Y	9.0 Δ/5.2Y	600	–100	90	78	
2HB 740 H47	雙	50	5.5	345–415 Δ	600–720Y	13.3 Δ/7.7Y	500	–240	260	74	69
		60	6.3	380–480 Δ	660–720Y	13.3 Δ/7.7Y	600	–210	200	78	
2HB 740 H57	雙	50	7.5	345–415 Δ	600–720Y	16.7 Δ/9.6Y	500	–240	320	74	75
		60	8.6	380–480 Δ	660–720Y	17.3 Δ/10.0Y	600	–270	300	78	
2HB 790 H26	單	50	2.2	200–240 Δ	345–415Y	12.5 Δ/7.2Y	320	–160	200	69	36
		60	2.55	220–275 Δ	380–480Y	12.6 Δ/7.3Y	370	–240	250	72	

2HB7/VACUUM COMPRESSION TYPE CURVE

真空壓縮選型曲綫 3AC

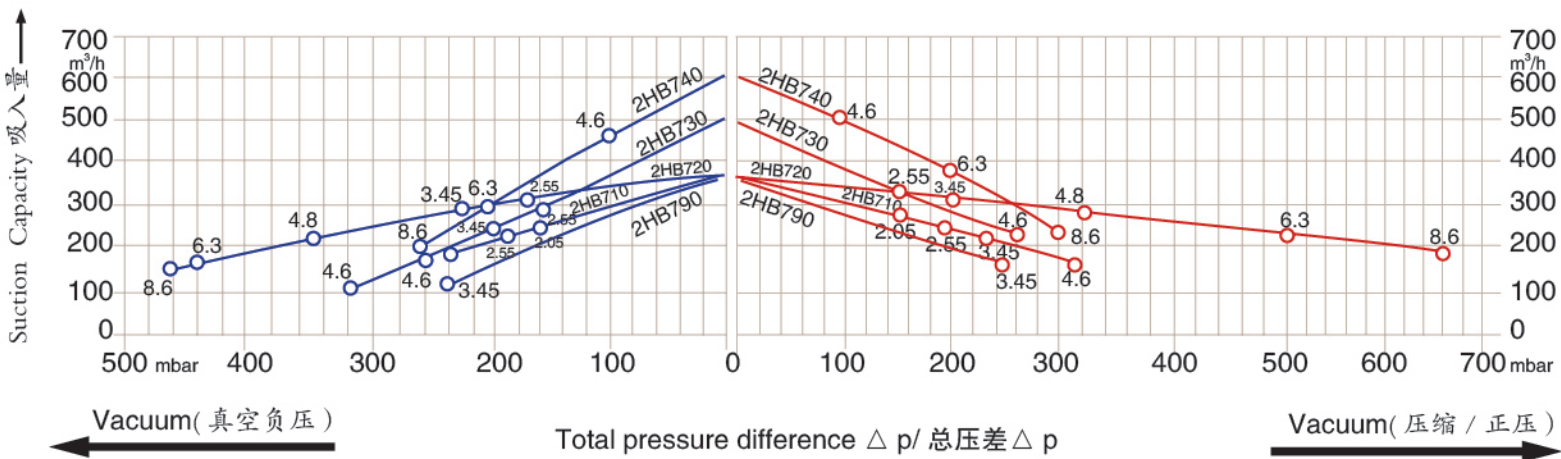
Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz

Compressor Selection Diagram 50 Hz-- 壓縮選



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz

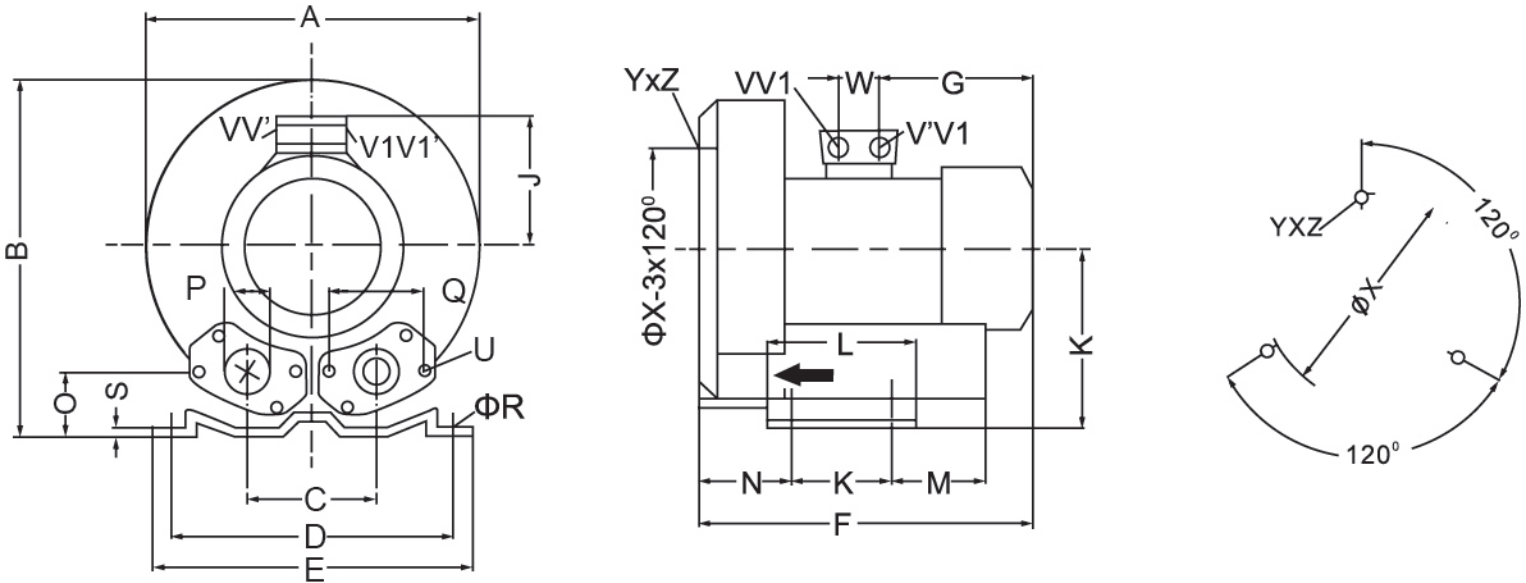
Compressor Selection Diagram 60 Hz-- 壓縮選



2HB7 SINGLE STAGE MOUNTING DIMENSIONS

2HB7 單級安裝尺寸

710/730/790

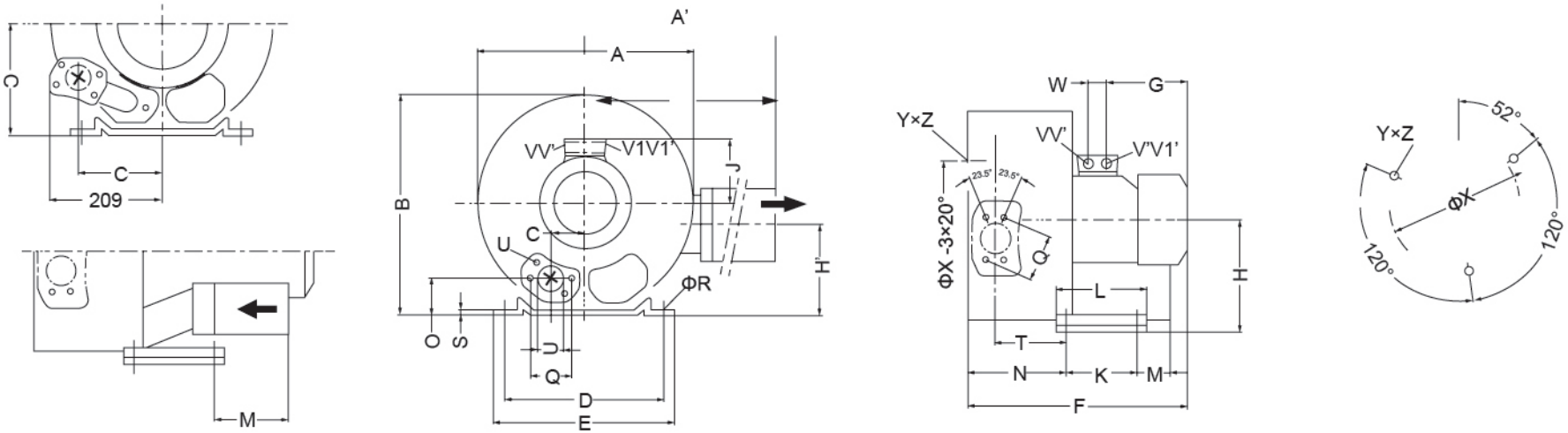


型號 Type	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φR	S	U	V(1~)	V'(1~)	V1(3~)	V1'(3~)	XYZ	X-HOLES	φX	W
2HB 710-H06	3~	382	384	125	290	325	377	191	197	128	140	180	84	109	54	G2	83	15	4.5	M8X17			M25X1.5	M16X1.5	M10X20	0°/120°/240°	240	29
2HB 710-H16	3~	382	384	125	290	325	377	191	197	128	140	180	84	109	54	G2	83	15	4.5	M8X17					M10X20	0°/120°/240°	240	29
2HB 710-H26	3~	382	384	125	290	325	409	188	197	135	140	180	84	109	54	G2	83	15	4.5	M8X17			M25X1.5	M25X1.5	M10X20	0°/120°/240°	240	42
2HB 710-H37	3~	382	384	125	290	325	432	209	197	148	140	180	84	109	54	G2	83	15	4.5	M8X17					M10X20	0°/120°/240°	240	42
2HB 730-H06	3~	382	384	125	290	325	387	191	197	128	140	180	84	109	54	G2	83	15	4.5	M8X17	M25X1.5	M16X1.5			M10X20	0°/120°/240°	240	29
2HB 730-H16	3~	382	384	125	290	325	387	191	197	128	140	180	84	109	54	G2	83	15	4.5	M8X17	M25X1.5	M16X1.5			M10X20	0°/120°/240°	240	29
2HB 730-H26	3~	382	384	125	290	325	419	189	197	135	140	180	84	109	54	G2	83	15	4.5	M8X17			M25X1.5	M25X1.5	M10X20	0°/120°/240°	240	42
2HB 730-H37	3~	382	384	125	290	325	432	209	197	148	140	180	84	109	54	G2	83	15	4.5	M8X17			M25X1.5	M25X1.5	M10X20	0°/120°/240°	240	42
2HB 790-H26	3~	382	384	125	290	325	377	185	197	128	140	180	84	109	54	G2	83	15	4.5	M8X17			M25X1.5	M16X1.5	M10X20	0°/120°/240°	240	29

2HB7 TWO STAGE MOUNTING DIMENSIONS

2HB7 雙級安裝尺寸

720

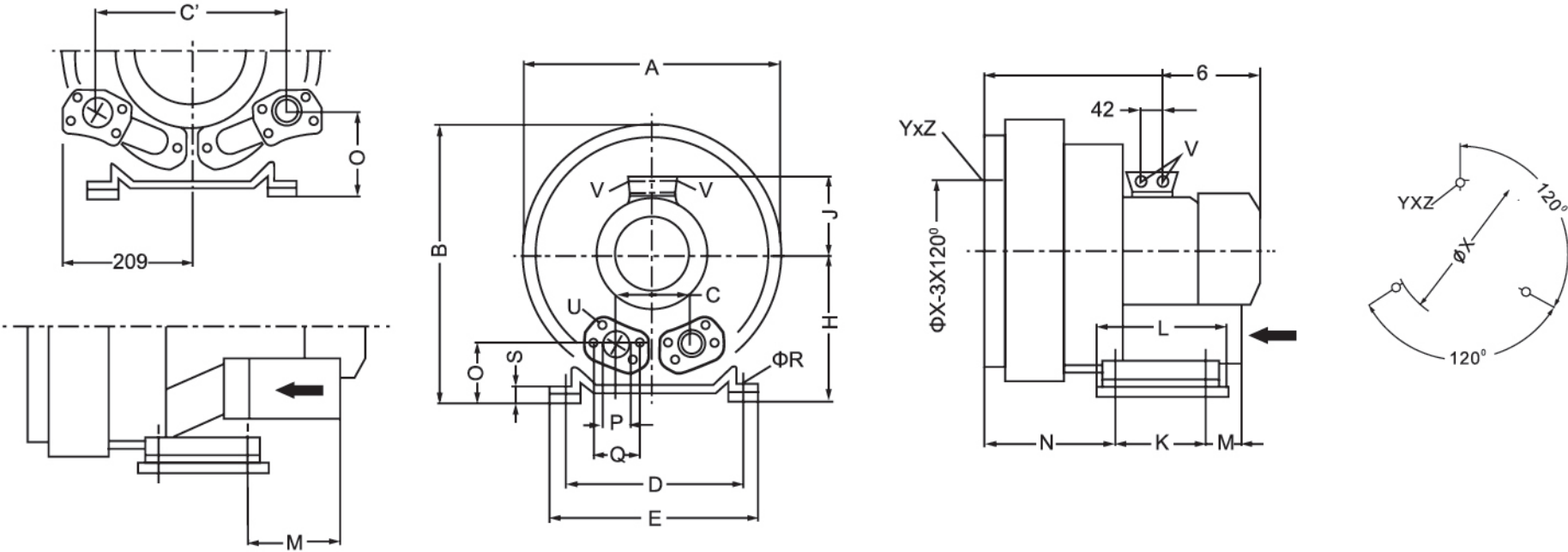


型號 Type	相位	A	A'	Bvv	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V	V'	V1	V1'	φX	XYZ	X-Holes	W
2HB 720-H16	3~	426	426	410	63	290	325	473	191	197	162	128	140	180	84	205	53	G2	83	15	4.5	130	M8X17	M25X1.5	M16X1.5			240	M10X20	51.5°/171.5°/291.5°	29
2HB 720-H26	3~	426	426	410	63	290	325	496	188	197	162	135	140	180	84	205	53	G2	83	15	4.5	130	M8X17			M25X1.5	M25X1.5	240	M10X20	51.5°/171.5°/291.5°	42
2HB 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			M25X1.5	M25X1.5	240	M10X20	51.5°/171.5°/291.5°	42
2HB 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			M25X1.5	M25X1.5	240	M10X20	51.5°/171.5°/291.5°	42
2HB 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			M25X1.5	M25X1.5	240	M10X20	51.5°/171.5°/291.5°	42

2HB7 TWO STAGE MOUNTING DIMENSIONS

2HB7 雙級安裝尺寸

740



型號 Type	相位	A	B	C	C'	D	E	F	G	H	J	K	L	M	N	O	P	Q	φR	S	U	V	φX	YXZ	X-HOLES
2HB 740-H37	3~	420	410	125		290	325	526	209	197	148	140	180	84	205	153	G2	83	15	64.5	M8x17	2XM25X1.5	240	M10X20	0°/120°/240°
2HB 740-H47	3~	420	410		308	290	325	571	226	257	167	140	180	200	205	153	G2	83	15	64.5	M8x17	2XM25X1.5	240	M10X20	0°/120°/240°
2HB 740-H57	3~	420	410		308	290	325	571	226	257	167	140	180	200	205	153	G2	83	15	64.5	M8x17	2XM25X1.5	240	M10X20	0°/120°/240°

DEDICATION
PROGRESRIGOROUS UNITY



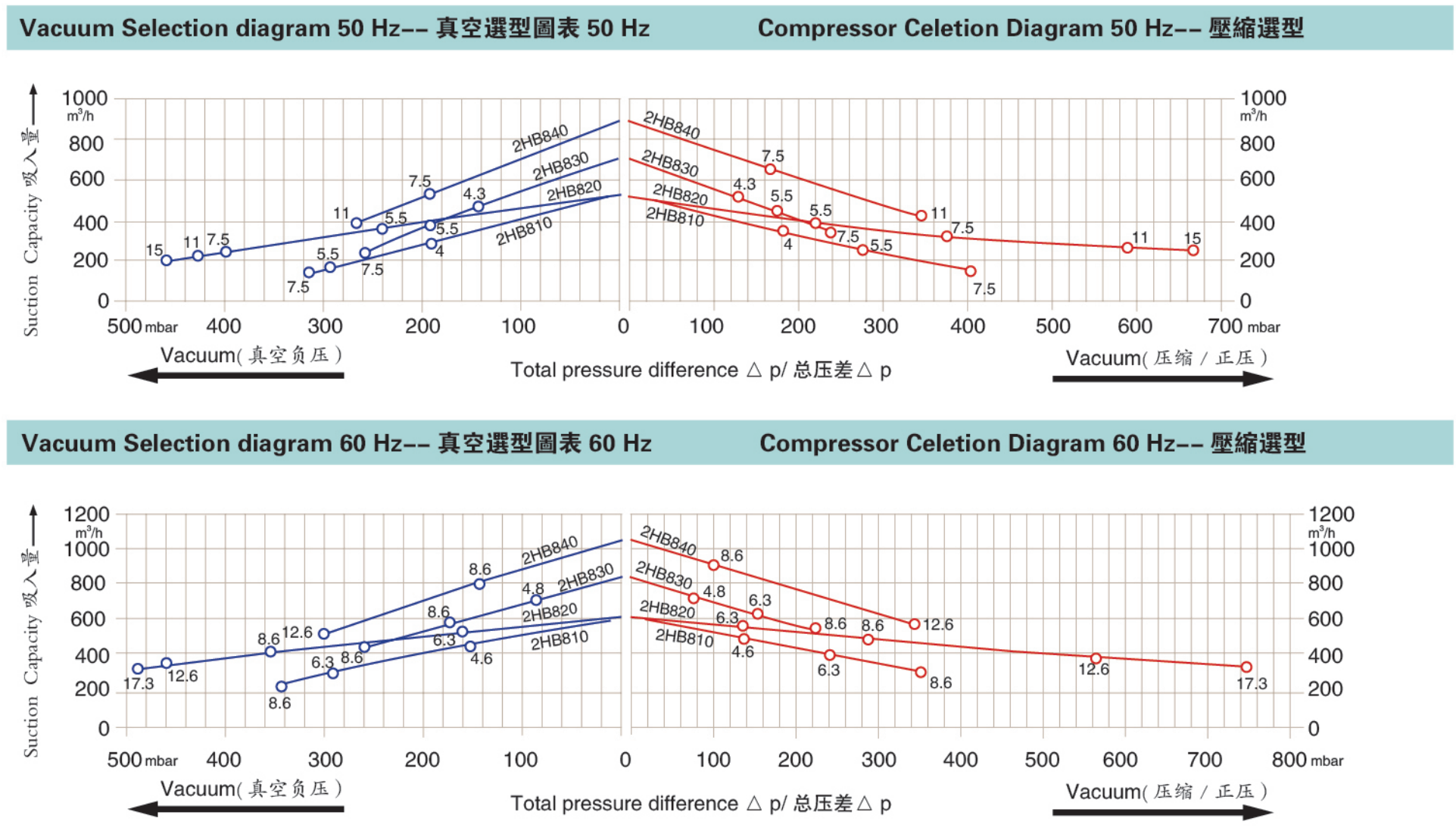
2HB8/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

型 號 (2HB 3AC) Model	單級	馬達參數					最大	額定	額定	噪音	重量
	雙級	頻率	功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress	noises	Weight
	double	HZ	KW	V		A	m3/h	mbar	mbar	dB(A)	Kg
2HB 810 H07	單	50	4.3	345-415 Δ	600-720Y	9.5 Δ/5.5Y	530	-200	200	70	54
		60	4.6	380-480 Δ	660-720Y	9.5 Δ/5.5Y	620	-160	160	74	
2HB 810 H17	單	50	5.5	345-415 Δ	600-720Y	12.9 Δ/7.4Y	530	-300	320	70	63
		60	6.3	380-480 Δ	660-720Y	12.9 Δ/7.45Y	620	-320	340	74	
2HB 810 H27	單	50	7.5	345-415 Δ	600-720Y	16.7 Δ/9.6Y	530	-320	380	70	66
		60	8.6	380-480 Δ	660-720Y	17.3 Δ/10.0Y	620	-350	400	74	
2HB 820 H17	雙	50	5.5	345-415 Δ	600-720Y	13.3 Δ/7.7Y	520	-240	240	74	83
		60	6.3	380-480 Δ	660-720Y	13.3 Δ/7.7Y	620	-170	160	78	
2HB 820 H27	雙	50	7.5	345-415 Δ	600-720Y	16.7 Δ/9.6Y	520	-400	400	74	86
		60	8.6	380-480 Δ	660-720Y	17.3 Δ/10.0Y	620	-360	330	78	
2HB 820 H37	雙	50	11	345-415 Δ	600-720Y	28.0 Δ/16.2Y	520	-430	600	74	104
		60	12.6	380-480 Δ	660-720Y	29.0 Δ/16.7Y	620	-460	600	78	
2HB 820 H47	雙	50	15	345-415 Δ	600-720Y	32.5 Δ/18.8Y	520	-460	670	74	120
		60	17.3	380-480 Δ	660-720Y	34.5 Δ/19.9Y	620	-490	750	78	
2HB 830 H07	單	50	4.3	345-415 Δ	600-720Y	9.5 Δ/5.5Y	700	-150	140	70	57
		60	4.6	380-480 Δ	660-720Y	9.5 Δ/5.5Y	840	-190	190	74	
2HB 830 H17	單	50	5.5	345-415 Δ	600-720Y	12.9 Δ/7.4Y	700	-200	180	70	66
		60	6.3	380-480 Δ	660-720Y	12.9 Δ/7.45Y	840	-180	180	74	
2HB 830 H27	單	50	7.5	345-415 Δ	600-720Y	16.7 Δ/9.6Y	700	-270	260	70	69
		60	8.6	380-480 Δ	660-720Y	17.3 Δ/10.0Y	840	-270	260	74	
2HB 840 H27	雙	50	7.5	345-415 Δ	600-720Y	16.7 Δ/9.6Y	900	-200	180	74	91
		60	8.6	380-480 Δ	660-720Y	17.3 Δ/10.0Y	1050	-150	120	78	
2HB 840 H37	雙	50	11.0	345-415 Δ	600-720Y	28.0 Δ/16.2Y	900	-280	370	74	110
		60	12.6	380-480 Δ	660-720Y	29.0 Δ/16.7Y	1050	-310	350	78	

2HB8/VACUUM COMPRESSION TYPE CURVE

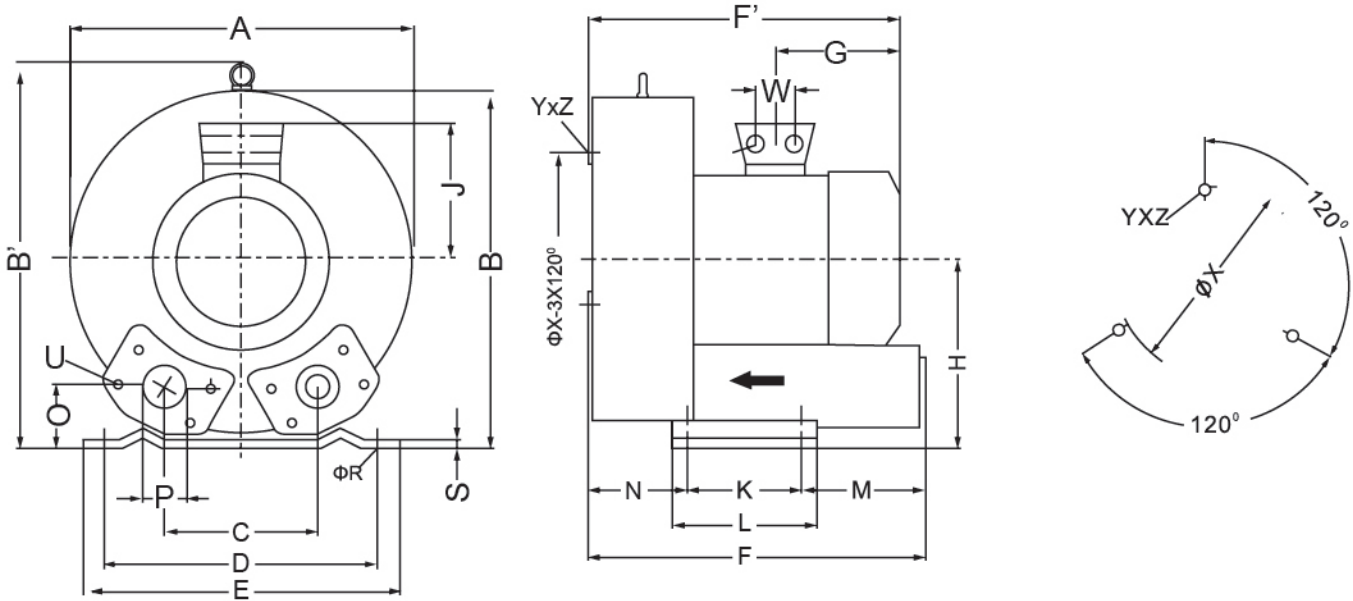
真空壓縮選型曲綫 3AC



2HB8 SINGLE STAGE MOUNTING DIMENSIONS

2HB8 單級安裝尺寸

810/830

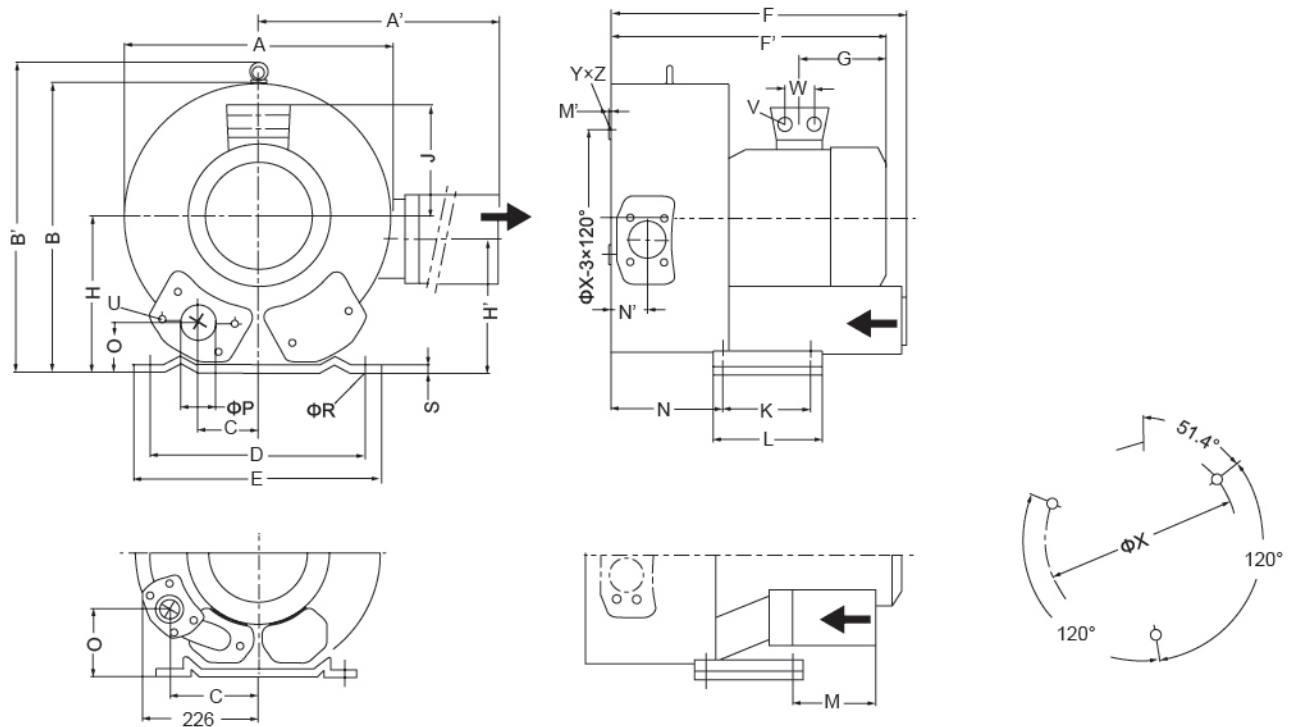


型號 Type	相位	A	A'	B	B'	C	D	E	F	F'	G	H	H'	J	K	L	M	N	N'	O	P	φR	S	V	W	φX	YXZ	X-HOLES
2HB 810-H07	3~	451		461	509	152	356	394	433	450	230	240		148	170	217	140	124		65	G2 _{1/2}	15	6	2XM25X1.5	42	286	M12X20	0°/120°/240°
2HB 810-H17	3~	451		461	509	152	356	394	433	477	226	240		167	170	217	140	124		65	G2 _{1/2}	15	6	2XM25X1.5	42	286	M12X20	0°/120°/240°
2HB 810-H27	3~	451		461	509	152	356	394	433	477	226	240		167	170	217	140	124		65	G2 _{1/2}	15	6	2XM32X1.5	42	286	M12X20	0°/120°/240°
2HB 830-H07	3~	451		461	509	152	356	394	449	466	230	240		148	170	217	139	164		65	G2 _{1/2}	15	6	2XM32X1.5	42	286	M12X20	0°/120°/240°
2HB 830-H17	3~	451		461	509	152	356	394	449	492	247	240		167	170	217	139	164		65	G2 _{1/2}	15	6	2XM32X1.5	42	286	M12X20	0°/120°/240°
2HB 830-H27	3~	451		461	509	152	356	394	449	492	247	240		167	170	217	139	164		65	G2 _{1/2}	15	6	2XM32X1.5	42	286	M12X20	0°/120°/240°

2HB8 TWO STAGE MOUNTING DIMENSIONS

2HB8 雙級安裝尺寸

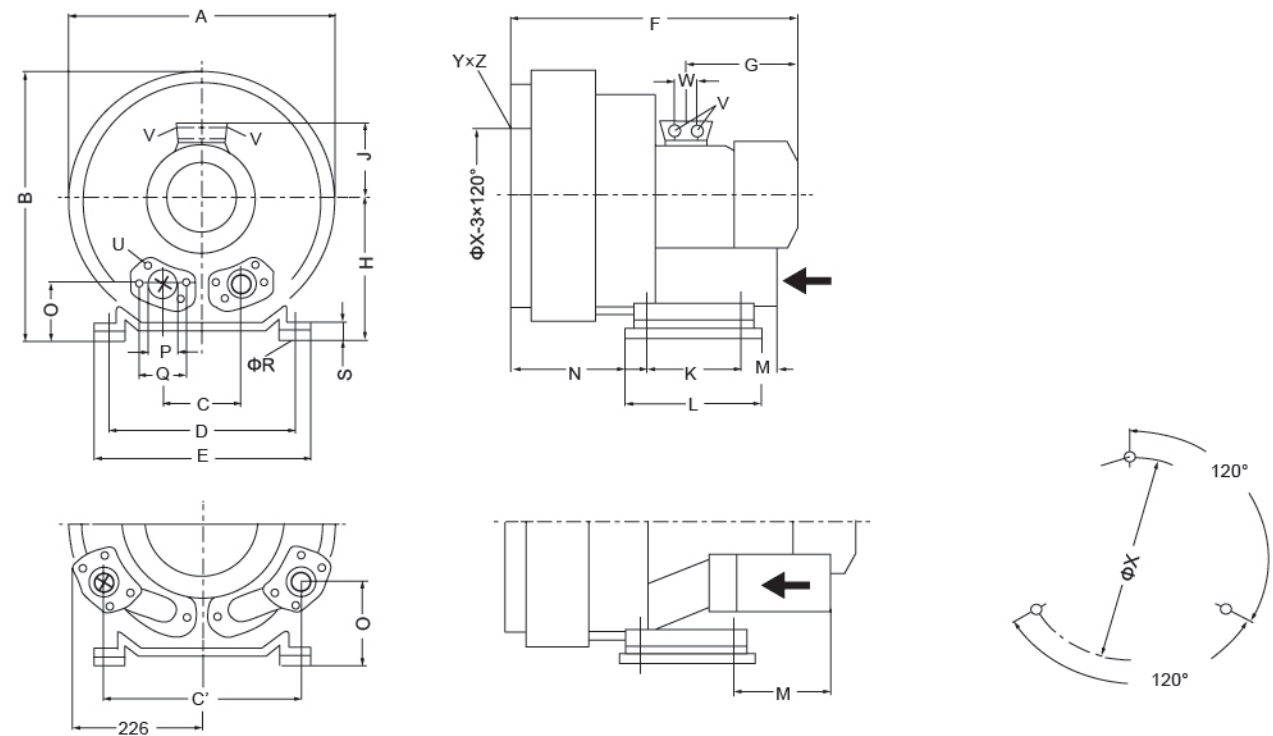
820



型號 Type	相位	A	A'	B	B'	C	D	E	F	F'	G	H	H'	J	K	L	M	N	N'	O	P	φR	S	V	W	φX	YXZ	X-HOLES
2HB 820-H17	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°
2HB 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°
2HB 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°
2HB 820-H47	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°

2HB8 TWO STAGE MOUNTING DIMENSIONS
2HB8 雙級安裝尺寸

840



型號 Type	相位	A	B	C	C'	D	E	F	G	H	J	K	L	M	N	O	P	φ R	S	V	W	φ X	YXZ	X-HOLES
2HB 840-H27	3~	500	550	152		356	394	589	247	300	167	170	217		236	125	G2 _{1/2}	15	66	2XM32X1.5	42	286	M12X20	0°/120°/240°
2HB 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°

DEDICATION
PROGRESRIGOROUS UNITY



2HB9/3AC (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)

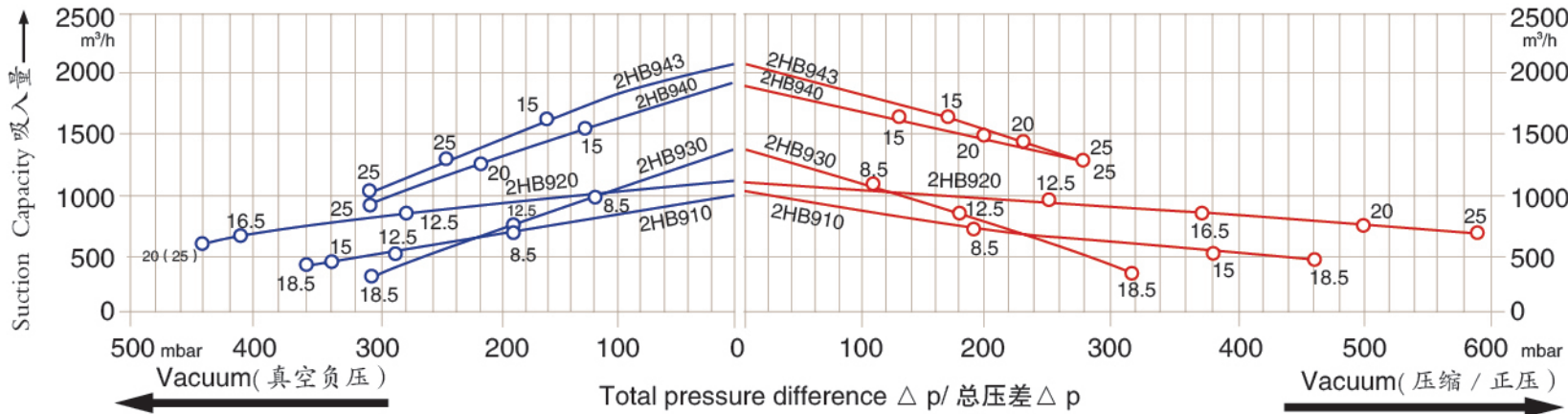
型 號 (2HB 3AC) Model	單	馬達參數					最大	額定	額定	噪音	重量
	雙	頻率	功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress		
	double	HZ	KW	V		A	m3/h	mbar	mbar		
2HB 910 H07	單	50	8.5	345-415Δ	600-720Y	18.2Δ/10.5Y	1050	-210	210	74	93
2HB 910 H17	單	60	9.8	380-480Δ	660-720Y	18.2Δ/10.5Y	1250	-180	180	79	116
		50	12.5	345-415Δ	600-720Y	28.0Δ/16.2Y	1050	-280	270	74	
2HB 910 H27	單	60	14.5	380-480Δ	660-720Y	29.0Δ/16.7Y	1250	-270	260	79	120
		50	15	345-415Δ	600-720Y	35.0Δ/20.0Y	1050	-320	380	74	
2HB 910 H37	單	60	17.5	380-480Δ	660-720Y	36.5Δ/21.0Y	1250	-340	360	79	126
		50	18.5	345-415Δ	600-720Y	37.0Δ/21.0Y	1050	-360	460	74	
2HB 920 H17	雙	60	21.3	380-480Δ	660-720Y	39.0Δ/22.5Y	1250	-380	420	79	187
		50	12.5	345-415Δ	600-720Y	28.0Δ/16.2Y	1110	-300	270	74	
2HB 920 H27	雙	60	14.5	380-480Δ	660-720Y	29.0Δ/16.7Y	1310	-220	200	78	197
		50	16.5	345-415Δ	600-720Y	35.0Δ/20.0Y	1110	-420	370	74	
2HB 920 H37	雙	60	19	380-480Δ	660-720Y	36.5Δ/21.0Y	1310	-340	300	78	204
		50	20	345-415Δ	600-720Y	40.0Δ/23.0Y	1110	-440	500	74	
2HB 920 H47	雙	60	23	380-480Δ	660-720Y	42.0Δ/24.2Y	1310	-440	430	84	211
		50	25	345-415Δ	600-720Y	52.0Δ/30.0Y	1110	-450	590	74	
2HB 930 H07	單	60	29	380-480Δ	660-720Y	52.0Δ/30.0Y	1310	-450	540	84	98
		50	8.5	345-415Δ	600-720Y	18.2Δ/10.5Y	1370	-120	110	75	
2HB 930 H17	單	60	9.8	380-480Δ	660-720Y	18.2Δ/10.5Y	1650	-140	140	80	121
		50	12.5	345-415Δ	600-720Y	28.0Δ/16.2Y	1370	-190	180	75	
2HB 930 H37	單	60	14.5	380-480Δ	660-720Y	29.0Δ/16.7Y	1650	-150	150	80	131
		50	18.5	345-415Δ	600-720Y	37.0Δ/21.0Y	1370	-310	320	75	
2HB 940 H27	雙	60	21.3	380-480Δ	660-720Y	39.0Δ/22.5Y	1650	-300	280	80	187
		50	15	345-415Δ	600-720Y	35.0Δ/20.0Y	1940	-130	110	75	
2HB 940 H37	雙	60	17.5	380-480Δ	660-720Y	36.5Δ/21.0Y	2310	-150	150	84	212
		50	20	345-415Δ	600-720Y	40.0Δ/23.0Y	1940	-220	200	75	
2HB 940 H47	雙	60	23	380-480Δ	660-720Y	42.0Δ/24.2Y	2310	-160	130	84	219
		50	25	345-415Δ	600-720Y	52.0Δ/30.0Y	1940	-310	270	75	
2HB 943 H27	雙	60	29	380-480Δ	660-720Y	52.0Δ/30.0Y	2310	-270	220	84	220
		50	15	345-415Δ	600-720Y	35.0Δ/20.0Y	2050	-160	170	75	
2HB 943 H37	雙	60	17.5	380-480Δ	660-720Y	36.5Δ/21.0Y	2480	-110	120	84	230
		50	20	345-415Δ	600-720Y	40.0Δ/23.0Y	2050	-250	230	75	
2HB 943 H47	雙	60	23	380-480Δ	660-720Y	42.0Δ/24.2Y	2480	-190	180	84	235
		50	25	345-415Δ	600-720Y	52.0Δ/30.0Y	2050	-310	270	75	
	雙	60	29	380-480Δ	660-720Y	52.0Δ/30.0Y	2480	-270	230	84	
		50	29	380-480Δ	660-720Y	52.0Δ/30.0Y	2480	-270	230	84	

2HB9/VACUUM COMPRESSION TYPE CURVE

真空壓縮選型曲綫 3AC

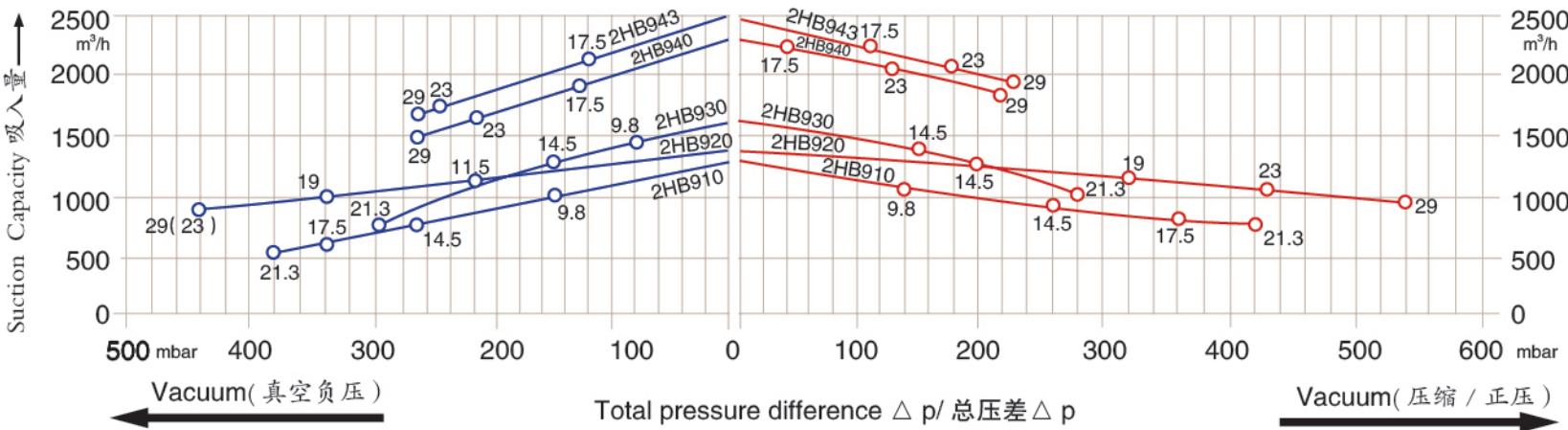
Vacuum Selection diagram 50 Hz-- 真空選型圖表 50 Hz

Compressor Selection Diagram 50 Hz-- 壓縮選



Vacuum Selection diagram 60 Hz-- 真空選型圖表 60 Hz

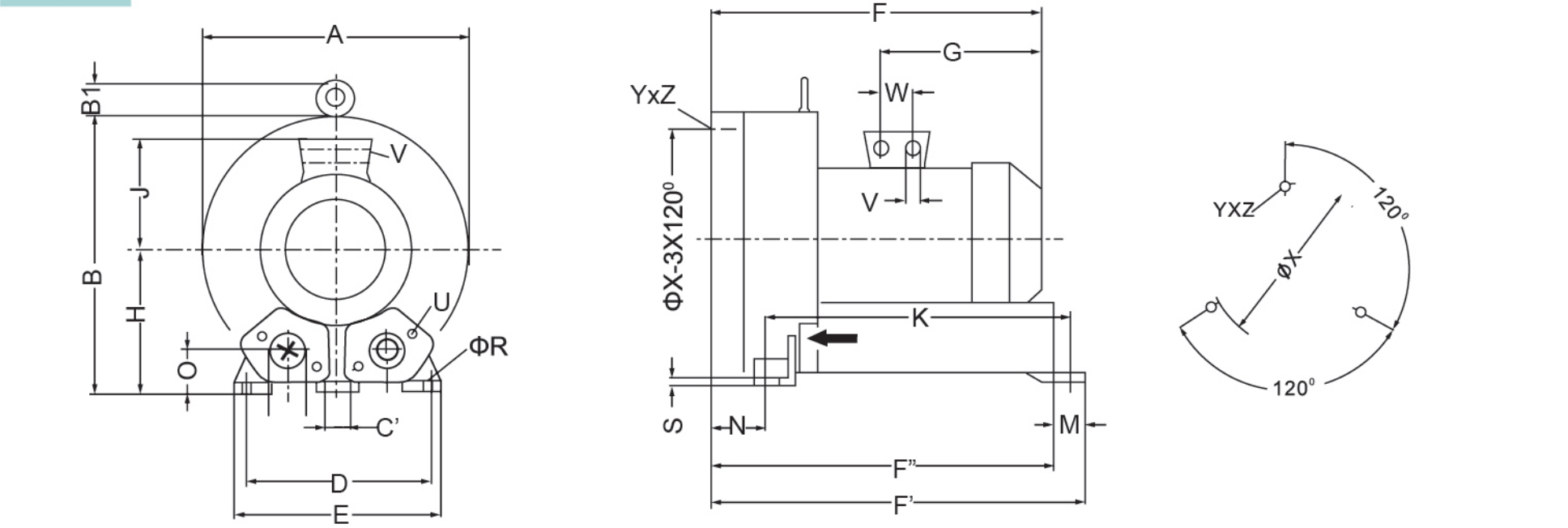
Compressor Selection Diagram 60 Hz-- 壓縮選



2HB9 SINGLE STAGE MOUNTING DIMENSIONS

2HB9 單級安裝尺寸

910/930

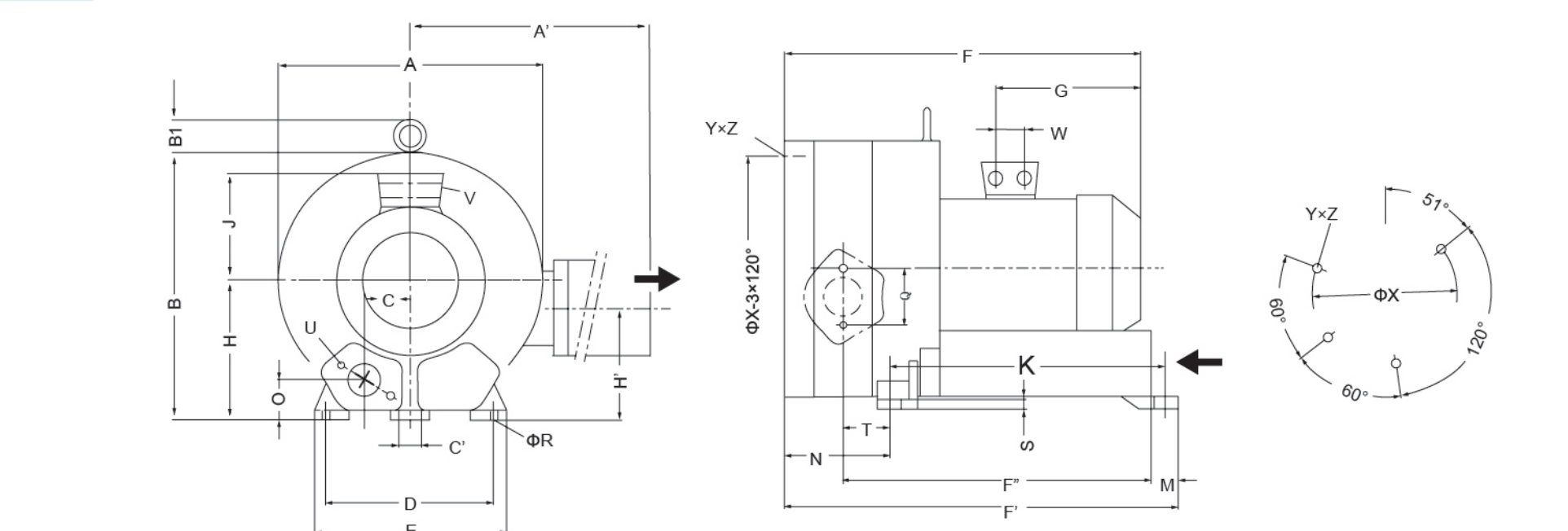


型號 Type	相位	A	B	B1	C	C'	D	E	F	F'	F''	G	H	J	K	M	N	O	P	Q	φR	S	U	V	W	φX	YXZ	X-HOLES
2HB 910-H07	3~	550	569	55	207	15	360	415	525	644	605	268	300	167	533	39	89	92	G4	150	15	21	M10x30	2XM25X1.5	42	490	M12x30	0°/120°/240°
2HB 910-H17	3~	550	569	55	207	15	360	415	650	644	605	345	300	197	533	39	89	92	G4	150	15	21	M10x30	2XM32X1.5	54	490	M12x30	0°/120°/240°
2HB 910-H37	3~	550	569	55	207	15	360	415	650	644	605	345	300	197	533	39	89	92	G4	150	15	21	M10x30	2XM32X1.5	54	490	M12x30	0°/120°/240°
2HB 930-H07	3~	550	569	55	207	15	360	415	563	682	643	268	300	167	533	39	127	92	G4	150	15	21	M10x30	2XM32X1.5	42	490	M12x30	0°/120°/240°
2HB 930-H17	3~	550	569	55	207	15	360	415	688	682	643	345	300	197	533	39	127	92	G4	150	15	21	M10x30	2XM32X1.5	54	490	M12x30	0°/120°/240°
2HB 930-H37	3~	550	569	55	207	15	360	415	688	682	643	345	300	197	533	39	127	92	G4	150	15	21	M10x30	2XM32X1.5	54	490	M12x30	0°/120°/240°

2HB920 TWO STAGE MOUNTING DIMENSIONS

2HB9 雙級安裝尺寸

920

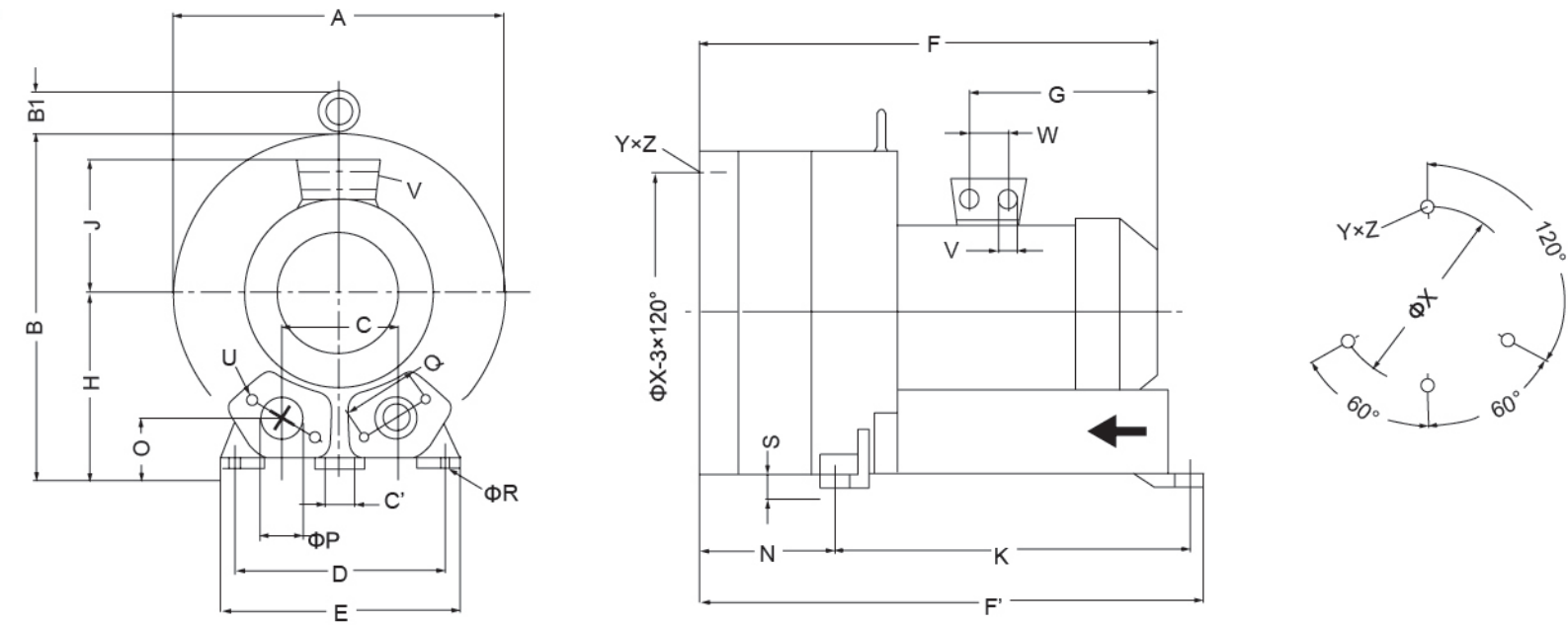


型號 Type	相位	A	A'	B	B1	C	C'	D	E	F	F'	F''	G	H	H'	J	K	M	N	O	P	Q	φR	S	T	U	V	W	φX	YXZ	X-HOLES
2HB 920-H17	3~	615	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	G4	150	15	21	117	M10X30	2XM32X1.5	54	490	m12x30	51.4°/120°/240°
2HB 920-H27	3~	615	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	G4	150	15	21	117	M10X30	2XM32X1.5	54	490	m12x30	51.4°/120°/240°
2HB 920-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°
2HB 920-H47	3~	615	780	607	16	104	15	360	415	812	786	634	405	300	234	197	533	39	230	92	G4	150	15	21	117	M10X30	2XM32X1.5	54	490	m12x30	51.4°/120°/240°

2HB940 TWO STAGE MOUNTING DIMENSIONS

2HB940 雙級安裝尺寸

940

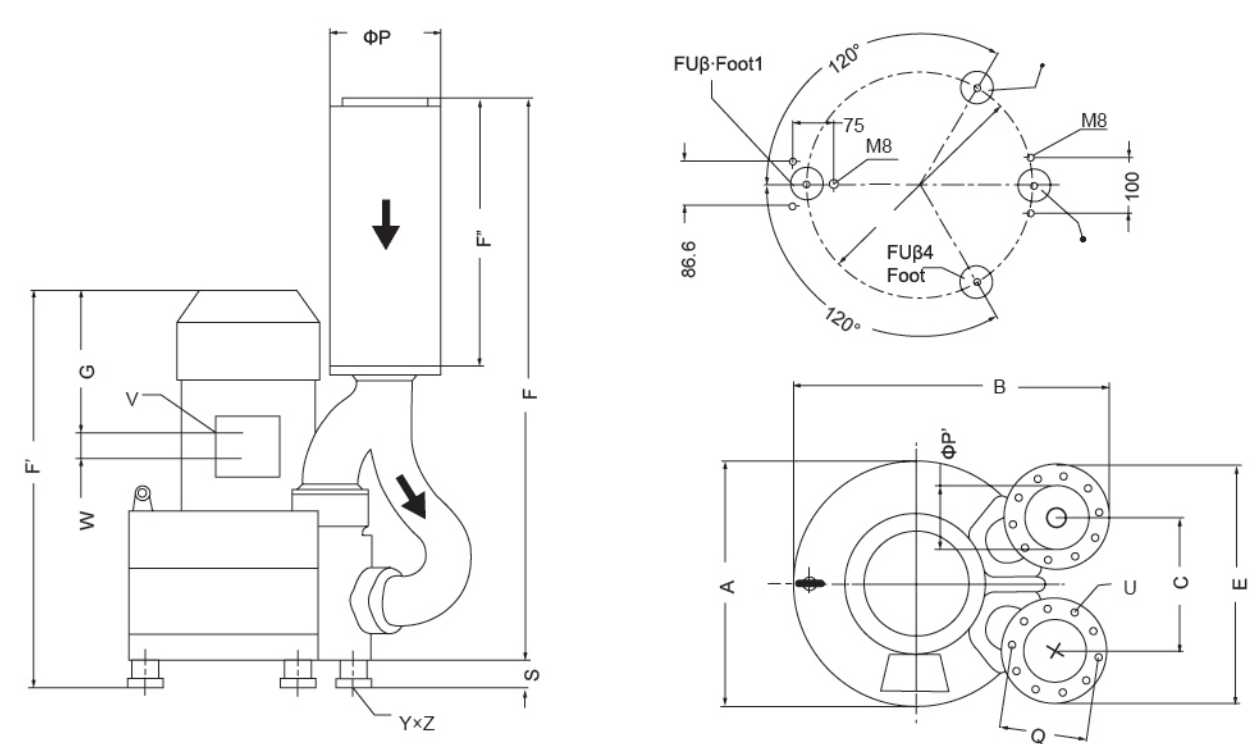


型號 Type	相位	A	B	B1	C	C'	D	E	F	F'	G	H	J	K	M	N	O	P	Q	φ R	S	U	V	W	φ X	YXZ	X-Holes
2HB 940-H27	3~	615	663	19	207	15	360	415	752	786	345	358	197	533	39	230	150	G4	140	15	79	M12X35	2XM32X1.5	54	490	M12X30	120°/60°/60°
2HB 940-H37	3~	615	663	19	207	15	360	415	752	786	345	358	197	533	39	230	150	G4	140	15	79	M12X35		54	490	M12X30	120°/60°/60°
2HB 940-H47	3~	615	663	19	207	15	360	415	812	786	345	358	197	533	39	230	150	G4	140	15	79	M12X35	2XM32X1.5	54	490	M12X30	120°/60°/60°

2HB9 TWO STAGE MOUNTING DIMENSIONS

2HB9 雙級安裝尺寸

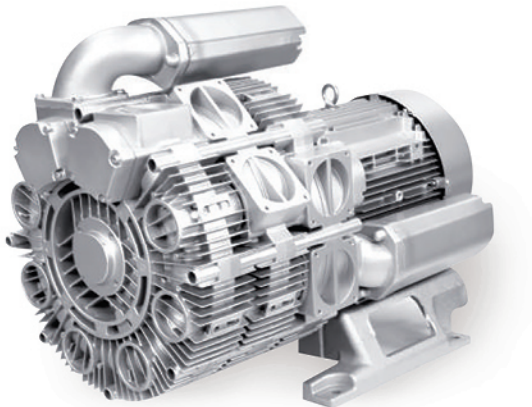
943



型號 Type	相位	A	B	C	D	E	F	F'	F''	G	P	P'	Q	S	U	V	W	YXZ
2HB 943-H27	3~	615	723	307	490	526	1201	848	578	291	219	G5	201	58	M8X40	4XM40X1.5	54	M12X10.5
2HB 943-H37	3~	615	723	307	490	526	1201	848	578	291	219	G5	201	58	M8X40	4XM40X1.5	54	M12X10.5
2HB 943-H47	3~	615	723	307	490	526	1201	908	578	351	219	G5	201	58	M8X40	4XM40X1.5	54	M12X10.5

3HB THREE PHASE (SINGLE, DOUBLE IMPELLER) GAS RING VACUUM PUMP MODELS AND THE PERFORMANCE PARAMETERS TABLE(IP55 50/60HZ)

(單、雙級) 氣環真空泵型號及性能參數表 (IP55 50/60HZ)



型 號 (3HB 3AC) Model	單級	頻率	馬達參數				最大	額定	額定	噪音	重量
	雙級		功率	額定電壓		額定電流	排吸流量	真空壓力	壓縮壓力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress	noises	Weight
	double	HZ	KW	V		A	m3/h	mbar	mbar	dB(A)	Kg
3HB 350–1H16	Single	50	2.2	200–260 Δ	350–450Y	8.1 Δ/4.6Y	315	–190	170	64	45
		60	2.55	230–290 Δ	400–500Y	8.0 Δ/4.6Y	370	–150	130	68	
3HB 350–1H26	Single	50	3.0	200–260 Δ	350–450Y	11.4 Δ/6.5Y	315	–290	270	65	50
		60	3.45	230–290 Δ	400–500Y	10.8 Δ/6.2Y	370	–250	220	69	
3HB 350–1H37	Single	50	4.0	350–450 Δ	610–725Y	8.4 Δ/4.8Y	315	–350	390	65	62
		60	4.6	400–500 Δ	690–725Y	8.2 Δ/4.7Y	370	–370	340	69	
3HB 350–1H47	Single	50	5.5	350–450 Δ	610–725Y	11.1 Δ/6.4Y	315	–350	500	65	74
		60	6.3	400–500 Δ	690–725Y	11.0 Δ/6.4Y	370	–390	510	69	
3HB 350–2H26	Double	50	3.0	200–260 Δ	350–450Y	11.4 Δ/6.5Y	320	–230	190	68	68
		60	3.45	230–290 Δ	400–500Y	10.8 Δ/6.2Y	380	–150	120	71	
3HB 350–2H37	Double	50	4.0	350–450 Δ	610–725Y	8.4 Δ/4.8Y	320	–350	310	69	79
		60	4.6	400–500 Δ	690–725Y	8.2 Δ/4.7Y	380	–280	230	72	
3HB 350–2H47	Double	50	5.5	350–450 Δ	610–725Y	11.1 Δ/6.4Y	320	–530	480	71	90
		60	6.3	400–500 Δ	690–725Y	11.0 Δ/6.4Y	380	–480	390	74	

3HB 350-2H57	Double	50	7.5	350-450 Δ	610-725Y	15.0 Δ/8.7Y	320	-530	700	71	97
		60	8.6	400-500 Δ	690-725Y	15.1 Δ/8.8Y	380	-580	610	74	
3HB 350-2H67	Double	50	11	350-450 Δ	610-725Y	22.0 Δ/12.7Y	320	-530	870	72	120
		60	12.6	400-500 Δ	690-725Y	22.0 Δ/12.9Y	380	-580	930	76	
3HB 350-3H37	Triple	50	4.0	350-450 Δ	345-415Y	8.4 Δ/4.8Y	320	-300	250	69	82
		60	4.6	400-500 Δ	690-725Y	8.2 Δ/4.7Y	380	-200	150	72	
3HB 350-3H47	Triple	50	5.5	350-450 Δ	610-725Y	11.1 Δ/6.4Y	320	-490	410	71	93
		60	6.3	400-500 Δ	690-725Y	11.0 Δ/6.4Y	380	-410	300	74	
3HB 350-3H57	Triple	50	7.5	350-450 Δ	610-725Y	15.0 Δ/8.7Y	320	-680	620	71	100
		60	8.6	400-500 Δ	690-725Y	15.1 Δ/8.8Y	380	-650	510	74	
3HB 350-3H67	Triple	50	11.0	350-450 Δ	610-725Y	22.0 Δ/12.7Y	320	-680	1020	72	120
		60	12.6	400-500 Δ	690-725Y	22.0 Δ/12.9Y	380	-650	880	76	
3HB 350-3H77	Triple	50	15.0	350-450 Δ	610-725Y	30.5 Δ/17.3Y	320	-680	1020	72	136
		60	17.3	400-500 Δ	690-725Y	29.5 Δ/17.0Y	380	-650	1050	76	
3HB 550-1H26	Single	50	3.0	200-260 Δ	350-450Y	11.4 Δ/6.5Y	480	-130	120	69	66
		60	3.45	230-290 Δ	400-500Y	10.8 Δ/6.2Y	565	-70	60	74	
3HB 550-1H37	Single	50	4.0	350-450 Δ	610-725Y	8.4 Δ/4.8Y	480	-230	200	69	78
		60	4.6	400-500 Δ	690-725Y	8.2 Δ/4.7Y	565	-170	140	74	
3HB 550-1H47	Single	50	5.5	350-450 Δ	610-725Y	11.1 Δ/6.4Y	480	-380	330	69	88
		60	6.3	400-500 Δ	690-725Y	11.0 Δ/6.4Y	565	-310	260	85	
3HB 550-1H57	Single	50	7.5	350-450 Δ	610-725Y	15.0 Δ/8.7Y	480	-380	500	69	96
		60	8.6	400-500 Δ	690-725Y	15.1 Δ/8.8Y	565	-410	440	85	
3HB 550-2H47	Double	50	5.5	350-450 Δ	610-725Y	11.1 Δ/6.4Y	480	-270	220	70	118
		60	6.3	400-500 Δ	690-725Y	11.0 Δ/6.4Y	580	-180	130	74	
3HB 550-2H57	Double	50	7.5	350-450 Δ	610-725Y	15.0 Δ/8.7Y	480	-450	370	70	126
		60	8.6	400-500 Δ	690-725Y	15.1 Δ/8.8Y	580	-370	280	74	
3HB 550-2H67	Double	50	11.0	350-450 Δ	610-725Y	22.0 Δ/12.7Y	480	-530	630	70	145
		60	12.6	400-500 Δ	690-725Y	22.0 Δ/12.9Y	580	-540	530	74	
3HB 550-2H77	Double	50	15.0	350-450 Δ	610-725Y	30.5 Δ/17.3Y	480	-530	890	70	156
		60	17.3	400-500 Δ	690-725Y	29.5 Δ/17.0Y	580	-540	870	74	
3HB 550-3H57	Triple	50	7.5	350-450 Δ	610-725Y	15.0 Δ/8.7Y	480	-380	280	71	142
		60	8.6	400-500 Δ	690-725Y	15.1 Δ/8.8Y	580	-240	140	77	
3HB 550-3H67	Triple	50	11.0	350-450 Δ	610-725Y	22.0 Δ/12.7Y	480	-610	540	71	167
		60	12.6	400-500 Δ	690-725Y	22.0 Δ/12.9Y	580	-590	390	77	
3HB 550-3H77	Triple	50	15.0	350-450 Δ	610-725Y	30.5 Δ/17.3Y	480	-610	830	71	180
		60	17.3	400-500 Δ	690-725Y	29.5 Δ/17.0Y	580	-590	680	77	
3HB 550-3H87	Triple	50	18.5	350-450 Δ	610-725Y	37.0 Δ/21.0Y	480	-610	1020	71	195
		60	21.3	400-500 Δ	690-725Y	36.5 Δ/21.0Y	580	-590	870	77	

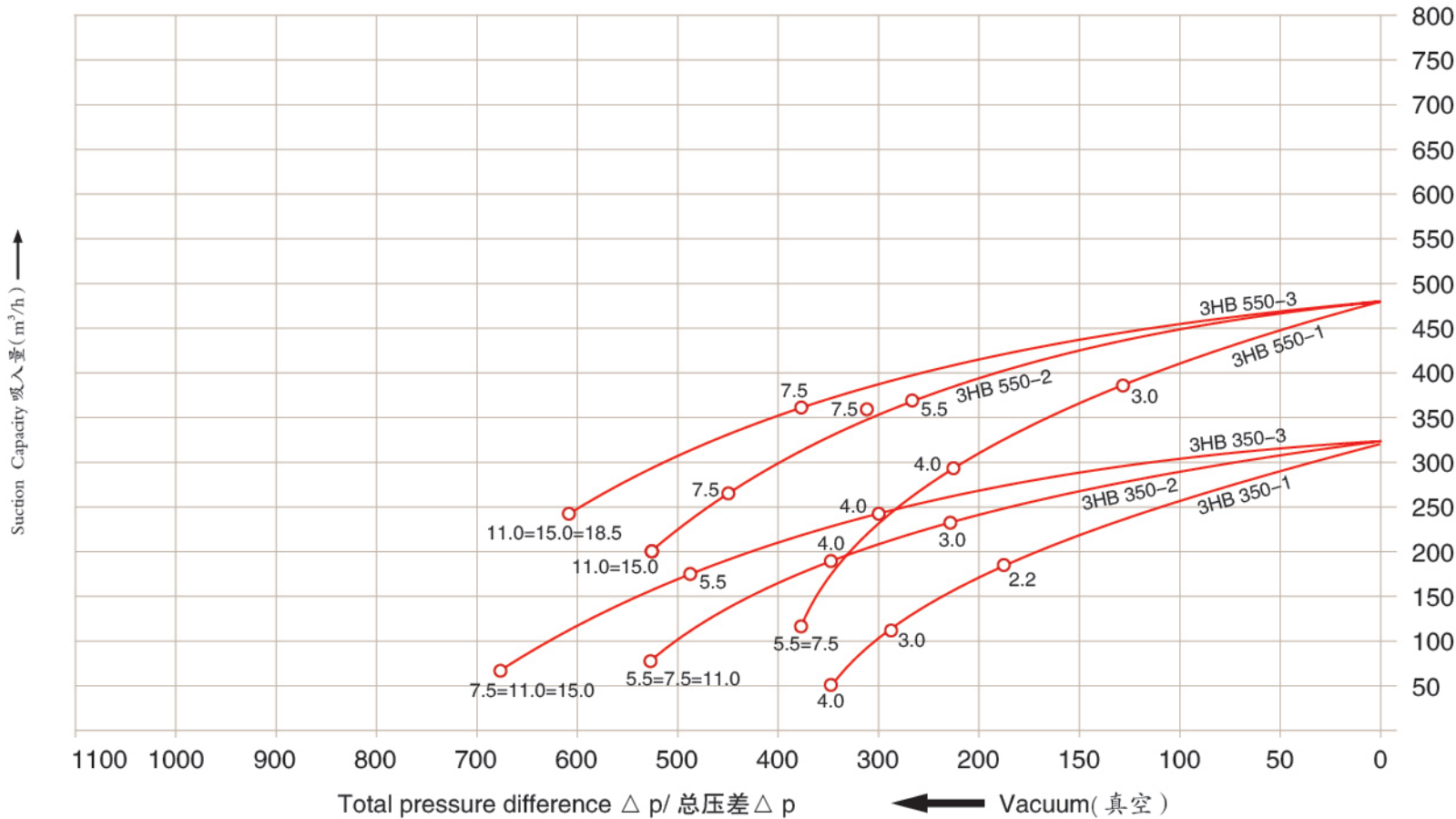
3HB Double/Multi-Stage Selection diagram 50/60Hz
3HB 雙極和三級系列 50/60Hz 選型圖表 3AC



下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

Vacuum Selection diagram 50Hz-- 真空選型圖表 50Hz



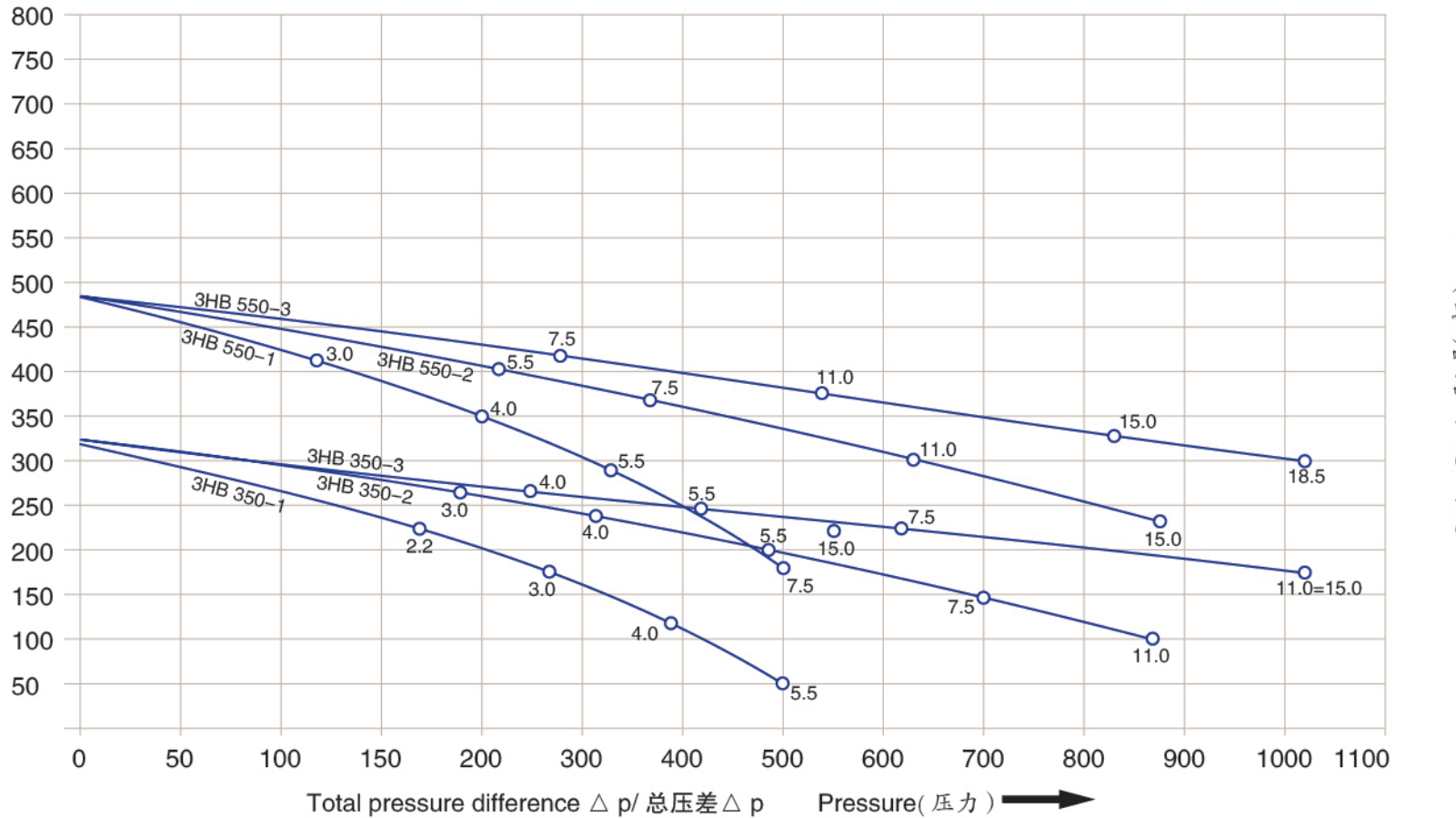
3HB Double/Multi-Stage Selection diagram 50/60Hz
3HB 雙極和三級系列 50/60Hz 選型圖表 3AC



下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

Compressor Selection Diagram 50Hz-- 壓縮選型圖表 50Hz



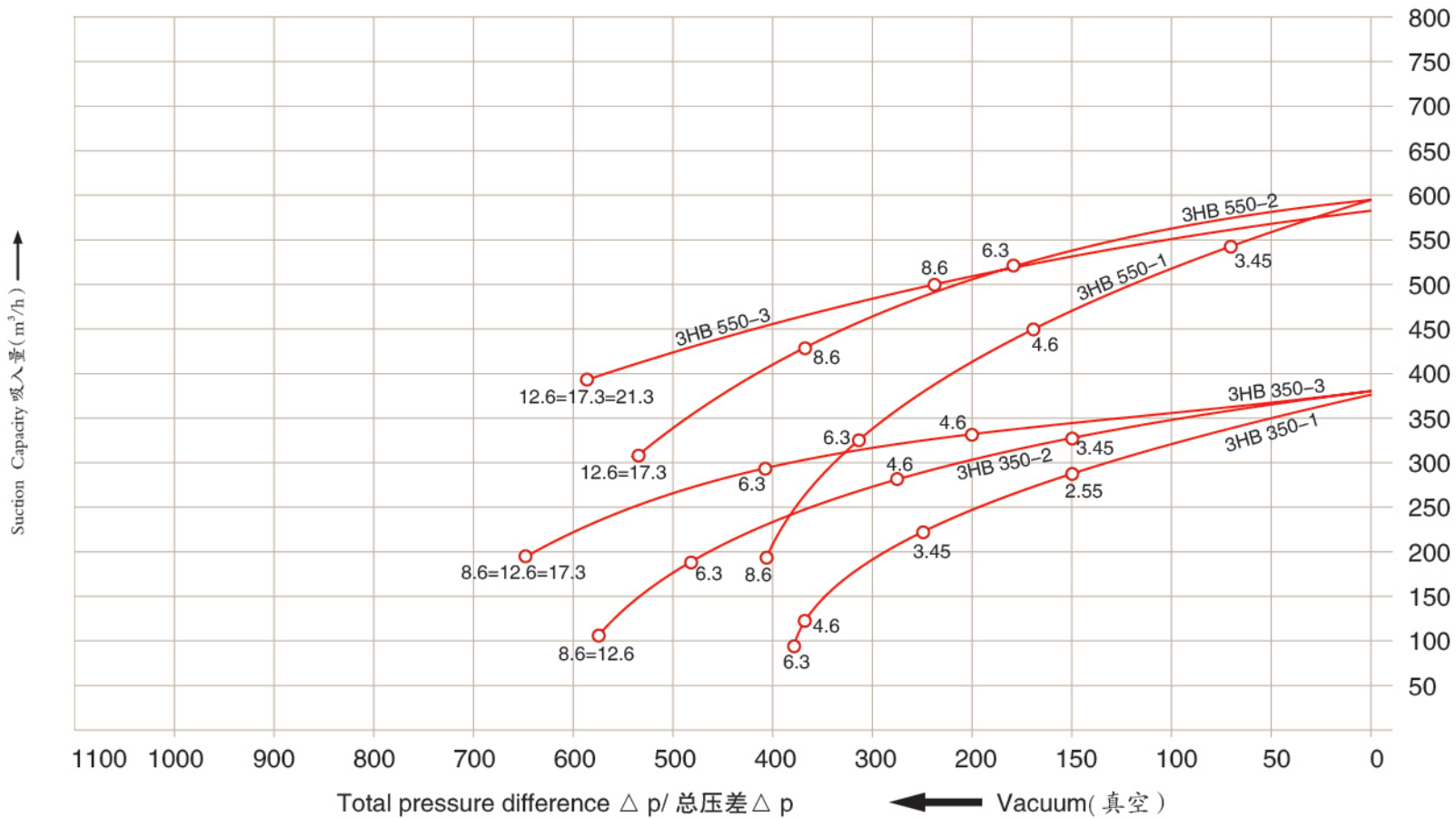
3HB Double/Multi-Stage Selection diagram 50/60Hz
3HB 雙極和三級系列 50/60Hz 選型圖表 3AC



下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

Vacuum Selection diagram 60Hz-- 真空選型圖表 60Hz



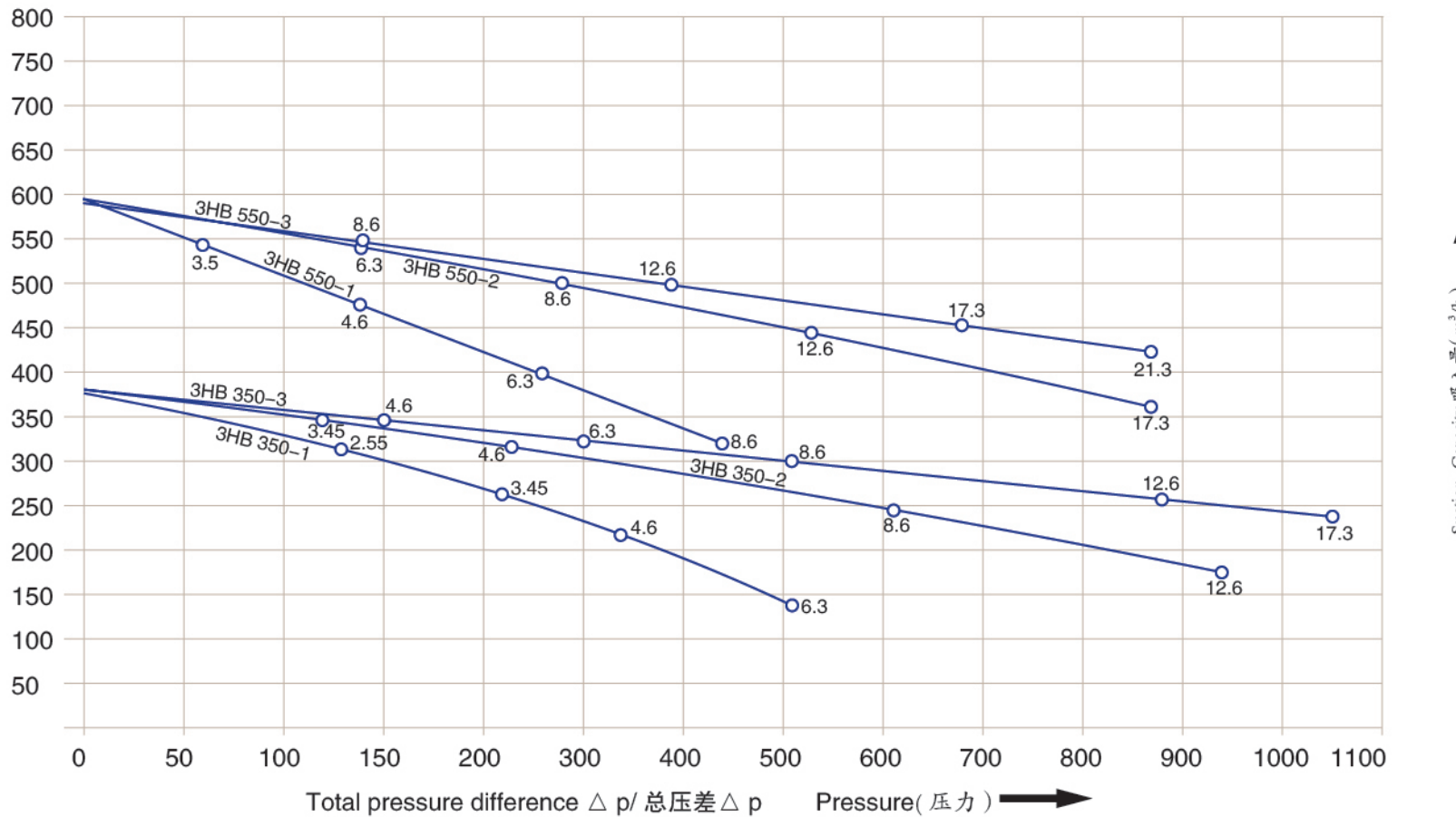
3HB Double/Multi-Stage Selection diagram 50/60Hz
3HB 雙極和三級系列 50/60Hz 選型圖表 3AC



下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

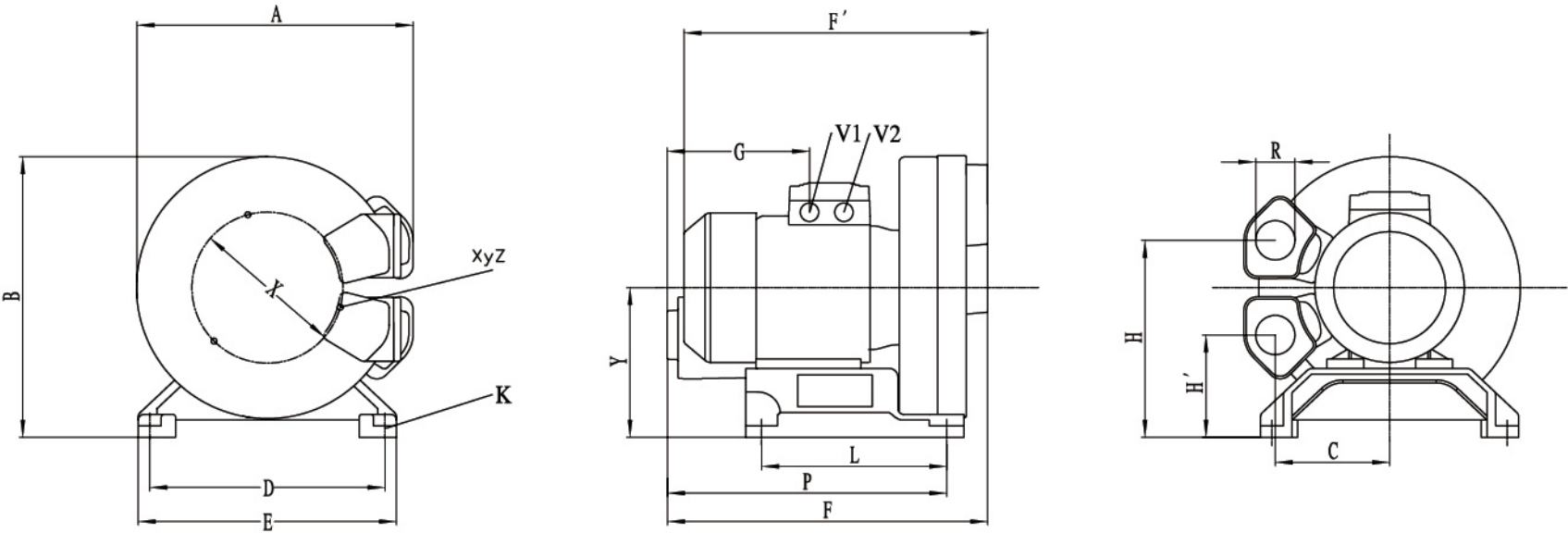
Compressor Celeration Diagram 60Hz-- 壓縮選型圖表 60Hz



3HB3 TWO STAGE MOUNTING DIMENSIONS

3HB3 雙級安裝尺寸

350-1

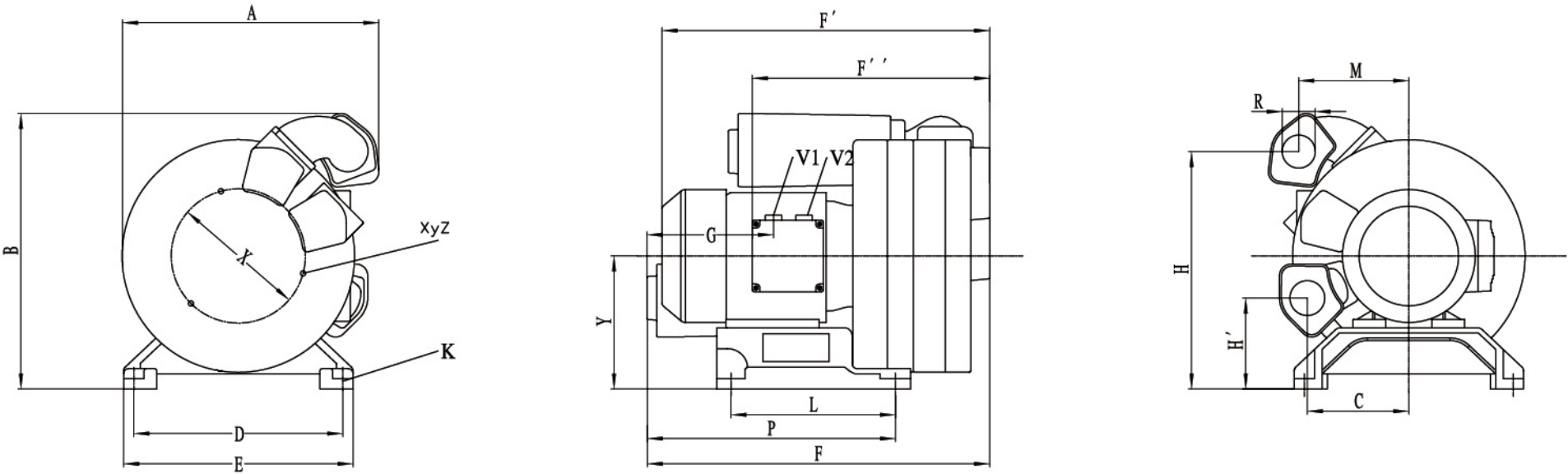


型號 Type	相位	A	B	C	D	E	F	F´	G	H	H´	K	L	P	R	V1	V2	X	Y-Z
3HB 350-1H26	3	481	488	199	420	450	527	481	225	338	173	Φ 14.5	325	423	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-1H37	3	481	490	199	420	450	527	559	217	340	175	Φ 14.5	325	423	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-1H47	3	481	490	199	420	450	527	544	210	340	175	Φ 14.5	325	423	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20

3HB3 TWO STAGE MOUNTING DIMENSIONS

3HB3 雙級安裝尺寸

350-2

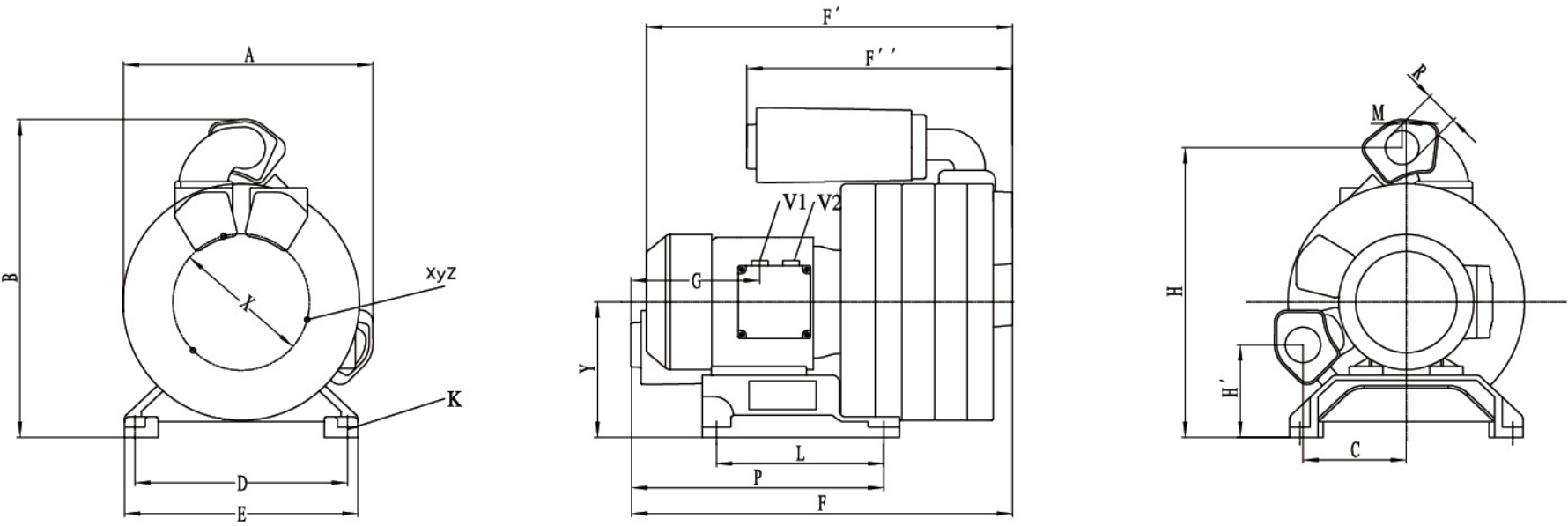


型號 Type	相位	A	B	C	D	E	F	F´	F´´	G	H	H´	K	L	M	P	R	V1	V2	X	Y-Z
3HB 350-2H26	3	508	534	199	420	450	646	600	482	225	464	173	Φ 14.5	325	220	423	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-2H37	3	507	536	199	420	450	646	678	482	217	466	175	Φ 14.5	325	220	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-2H47	3	507	536	199	420	450	646	663	482	210	466	175	Φ 14.5	325	220	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-2H57	3	507	536	199	420	450	646	698	482	210	466	175	Φ 14.5	325	220	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-2H67	3	507	564	199	420	450	646	753	482	184	494	203	Φ 14.5	325	220	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20

3HB3 TWO STAGE MOUNTING DIMENSIONS

3HB3 雙級安裝尺寸

350-3

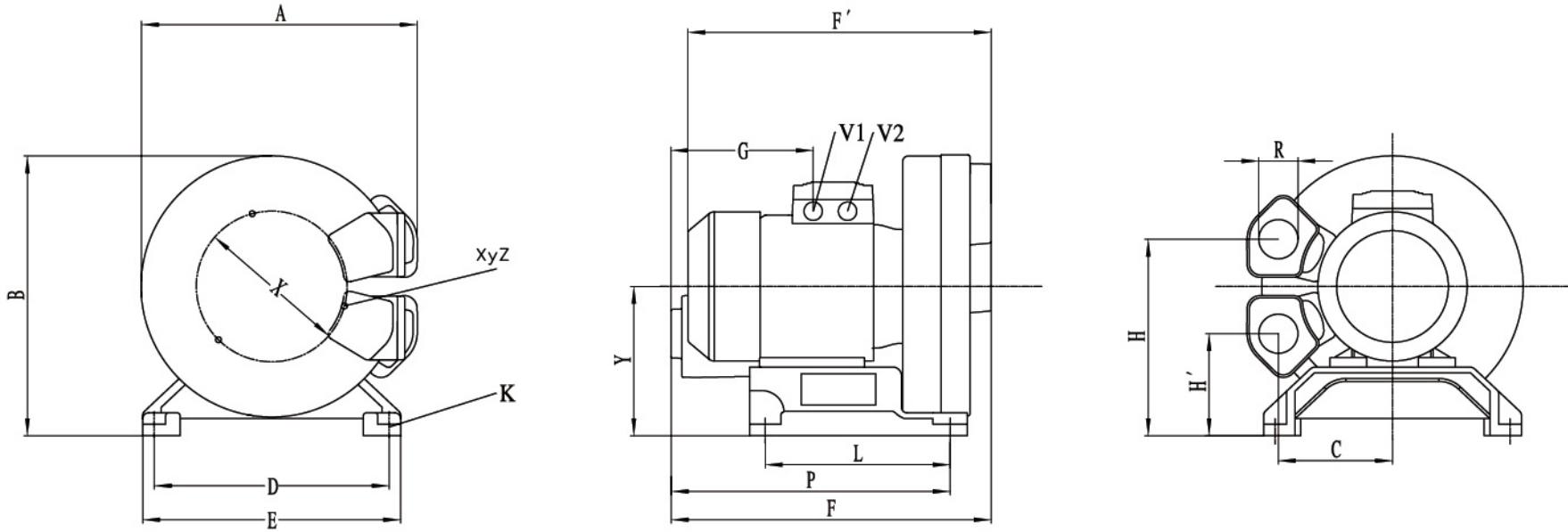


型號 Type	相位	A	B	C	D	E	F	F´	F´´	G	H	H´	K	L	M	P	R	V1	V2	X	Y-Z
3HB 350-3H37	3	481	610	199	420	450	765	791	482	217	561	175	Φ 14.5	325	8	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-3H47	3	481	610	199	420	450	765	782	482	210	561	175	Φ 14.5	325	8	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-3H57	3	481	610	199	420	450	765	817	482	210	561	175	Φ 14.5	325	8	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-3H67	3	481	638	199	420	450	765	872	482	184	589	203	Φ 14.5	325	8	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20
3HB 350-3H77	3	481	638	199	420	450	765	931	482	184	589	203	Φ 14.5	325	8	425	G2½	2*M32*1.5	2*M32*1.5	Φ 228	M8*20

3HB5 TWO STAGE MOUNTING DIMENSIONS

3HB5 雙級安裝尺寸

550-1

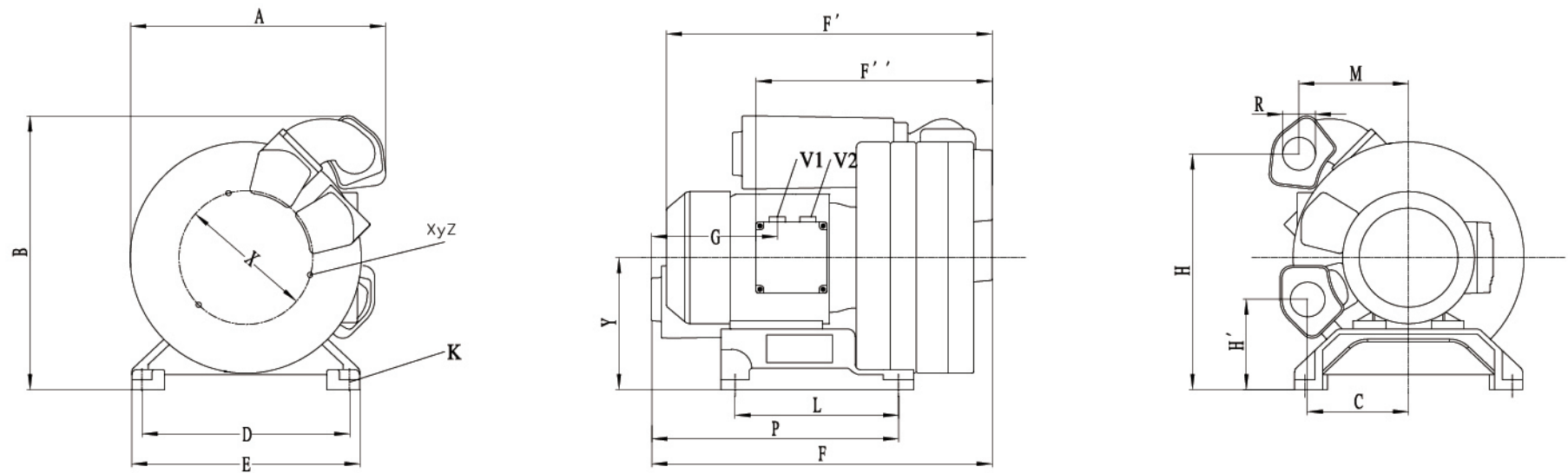


型號 Type	相位	A	B	C	D	E	F	F´	G	H	H´	K	L	P	R	V1	V2	Y-Z
3HB 550-1H26	3	553	545	228	420	450	634	495	364	372	184	Φ 14.5	262	516	G3	2*M32*1.5	2*M32*1.5	M8*20
3HB 550-1H37	3	553	547	228	420	450	634	574	309	374	186	Φ 14.5	262	518	G3	2*M32*1.5	2*M32*1.5	M8*20
3HB 550-1H47	3	553	547	228	420	450	634	558	302	374	186	Φ 14.5	262	518	G3	2*M32*1.5	2*M32*1.5	M8*20
3HB 550-1H57	3	553	547	228	420	450	634	594	302	374	186	Φ 14.5	262	518	G3	2*M32*1.5	2*M32*1.5	M8*20

3HB5 TWO STAGE MOUNTING DIMENSIONS

3HB5 雙級安裝尺寸

550-2

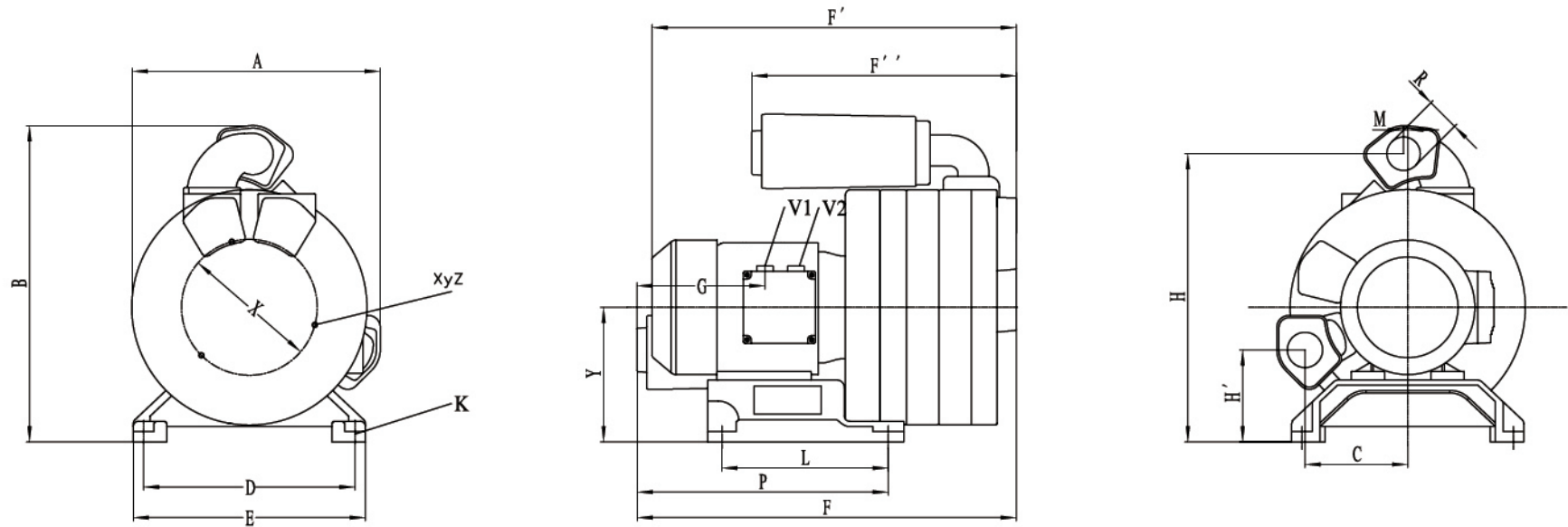


型號 Type	相位	A	B	C	D	E	F	F'	F''	G	H	H'	K	L	M	P	R	V1	V2	X	Y-Z
3HB 550-2H47	3	578	600	228	420	450	764	688	593	302	517	186	Φ 14.5	325	248	518	G3	2*M32*1.5	2*M32*1.5	Φ 255	M8*20
3HB 550-2H57	3	578	600	228	420	450	764	724	593	302	517	186	Φ 14.5	325	248	518	G3	2*M32*1.5	2*M32*1.5	Φ 255	M8*20
3HB 550-2H67	3	578	628	228	420	450	764	838	593	276	545	214	Φ 14.5	325	248	518	G3	2*M40*1.5	2*M40*1.5	Φ 255	M8*20
3HB 550-2H77	3	578	628	228	420	450	764	838	593	276	545	214	Φ 14.5	325	248	518	G3	2*M40*1.5	2*M40*1.5	Φ 255	M8*20

3HB5 TWO STAGE MOUNTING DIMENSIONS

3HB5 雙級安裝尺寸

550-3



型號 Type	相位	A	B	C	D	E	F	F'	F''	G	H	H'	K	L	M	P	R	V1	V2	X	Y-Z
3HB 550-3H57	3	553	682	228	420	450	894	854	593	302	623	186	Φ 14.5	325	8	518	G3	2*M32*1.5	2*M32*1.5	Φ 255	M8*20
3HB 550-3H67	3	553	710	228	420	450	894	968	593	276	651	214	Φ 14.5	325	8	518	G3	2*M40*1.5	2*M40*1.5	Φ 255	M8*20
3HB 550-3H77	3	553	710	228	420	450	894	968	593	276	651	214	Φ 14.5	325	8	518	G3	2*M40*1.5	2*M40*1.5	Φ 255	M8*20
3HB 550-3H87	3	553	710	228	420	450	894	993	593	276	651	214	Φ 14.5	325	8	518	G3	2*M40*1.5	2*M40*1.5	Φ 255	M8*20

4HB 1AC Selection and ordering data for side channel blowers in vacuum and pressure operation (Single phase)

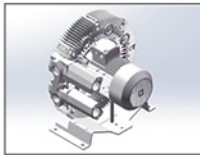
漩渦式氣泵在真空和壓力操作的選型和訂購參數（單相）



型 號 (4HB 1AC) Model	單	馬達參數				最大 排吸流量	額定 真空壓力	額定 壓縮壓力	噪音	重量
	雙	頻率	功率	額定電壓	額定電流					
	Single	Frequency	Power	Voltage	Current					
	Double	HZ	KW	V	A					
4HB 210 A01	單	50	0.55	230	3.7	47	-230	290	57	18
		60	0.63	230	4.5	57	-270	320	62	
4HB 220 A11	雙	50	1.5	230	9	47	-370	600	58	30
		60	1.75	230	10	60	-420	660	62	
4HB 310 A01	單	50	0.94	230	7.6	66	-250	350	57	18
		60	1.1	230	9	80	-280	390	62	
4HB 320 A21	雙	50	1.5	230	9	65	-400	550	59	32
		60	1.75	230	10	76	-390	540	63	
4HB 410 A01	單	50	1.1	230	10.1	87	-300	380	58	23
		60	1.3	230	10.3	105	-350	390	63	

4HB Series Selection diagram 50/60Hz 1AC

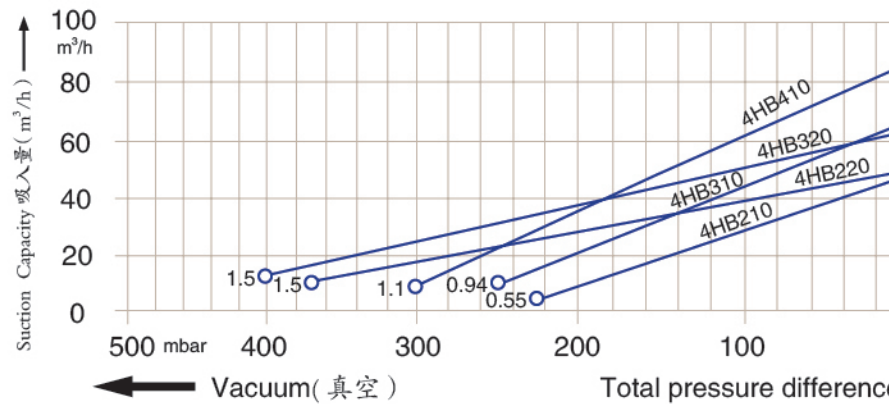
4HB 系列 50/60Hz 選型圖表 1AC



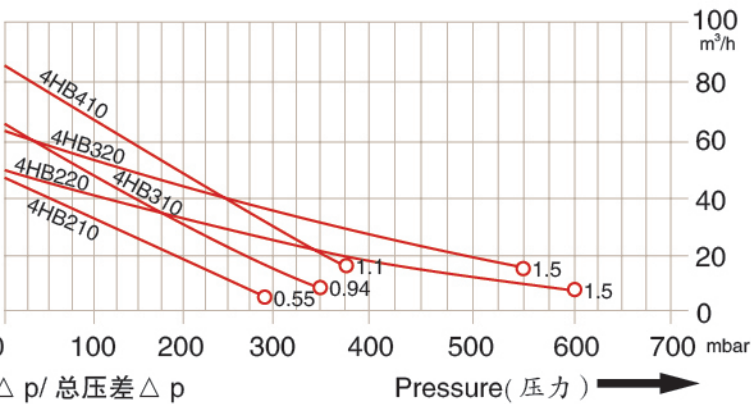
下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

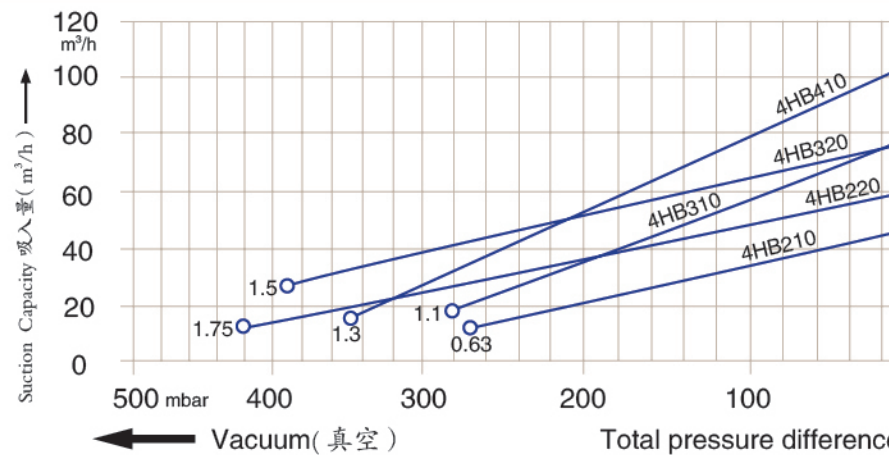
Vacuum Selection diagram 50Hz-- 真空選型圖表 50Hz



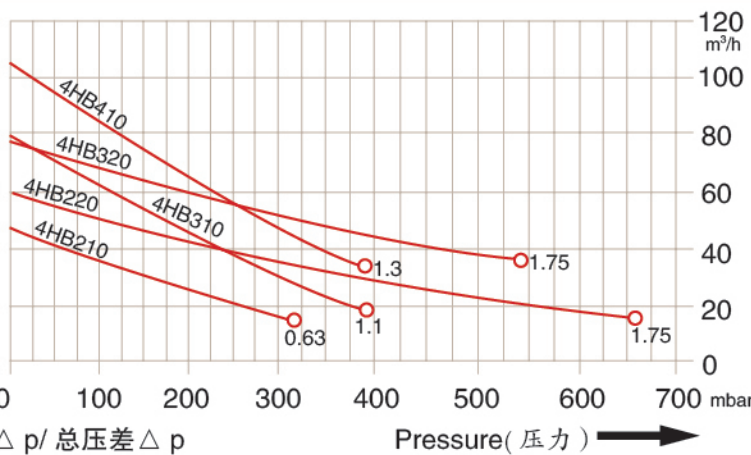
Compressor Celetion Diagram 50Hz-- 壓縮選型圖表 50Hz



Vacuum Selection diagram 60Hz-- 真空選型圖表 60Hz



Compressor Celetion Diagram 60Hz-- 壓縮選型圖表 60Hz



4HB 3AC Selection and ordering data for side channel blowers in vacuum and pressure operation (Three phase single stage)

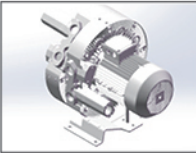
漩渦式氣泵在真空和壓力操作的選型和訂購參數（三相、單級）

G 系列 · G-Series

型 號 (4HB 3AC) Model	單級	馬達參數					最大 排吸流量	額定 真空壓力	額定 壓縮壓力	噪音	重量
	雙級	頻率	功率	額定電壓		額定電流					
	Single	Frequency	Power	Voltage		Current					
	Double	HZ	KW	V		A					
4HB 210 H16	單	50	0.55	200–240 Δ	345–415Y	2.8 Δ/1.6Y	47	–230	290	57	16
		60	0.63	220–275 Δ	380–480Y	3 Δ/1.7Y	57	–270	320	62	
4HB 310 H16	單	50	0.55	200–240 Δ	345–415Y	2.8 Δ/1.6Y	66	–250	250	57	16
		60	0.63	220–275 Δ	380–480Y	3 Δ/1.7Y	80	–260	250	62	
4HB 310 H26	單	50	0.81	200–240 Δ	345–415Y	4 Δ/2.3Y	66	–280	350	57	17
		60	0.94	220–275 Δ	380–480Y	4 Δ/2.3Y	80	–340	360	62	
4HB 410 H16	單	50	1.1	200–240 Δ	345–415Y	5.4 Δ/3.1Y	87	–300	380	58	23
		60	1.3	220–275 Δ	380–480Y	5.4 Δ/3.1Y	105	–340	370	2H2	
4HB 510 H16	單	50	1.5	200–240 Δ	345–415Y	7.5 Δ/4.3Y	120	–310	360	64	26
		60	1.75	220–275 Δ	380–480Y	7.6 Δ/4.4Y	145	–340	320	68	
4HB 510 H26	單	50	2.2	345–415 Δ	600–720Y	11.4 Δ/6.6Y	120	–310	470	64	29
		60	2.55	380–480 Δ	660–720Y	11.2 Δ/6.5Y	145	–360	480	68	
4HB 610 H16	單	50	2.2	200–240 Δ	345–415Y	11.4 Δ/6.6Y	165	–340	360	65	32
		60	2.55	220–275 Δ	380–480Y	11.2 Δ/6.5Y	195	–360	315	71	
4HB 610 H36	單	50	3.3	200–240 Δ	345–415Y	13 Δ/7.5Y	165	–340	480	65	35
		60	3.8	220–275 Δ	380–480Y	14.2 Δ/8.2Y	195	–380	530	71	

4HB Series Selection diagram 50/60Hz 3AC

4HB 系列 50/60Hz 選型圖表 3AC

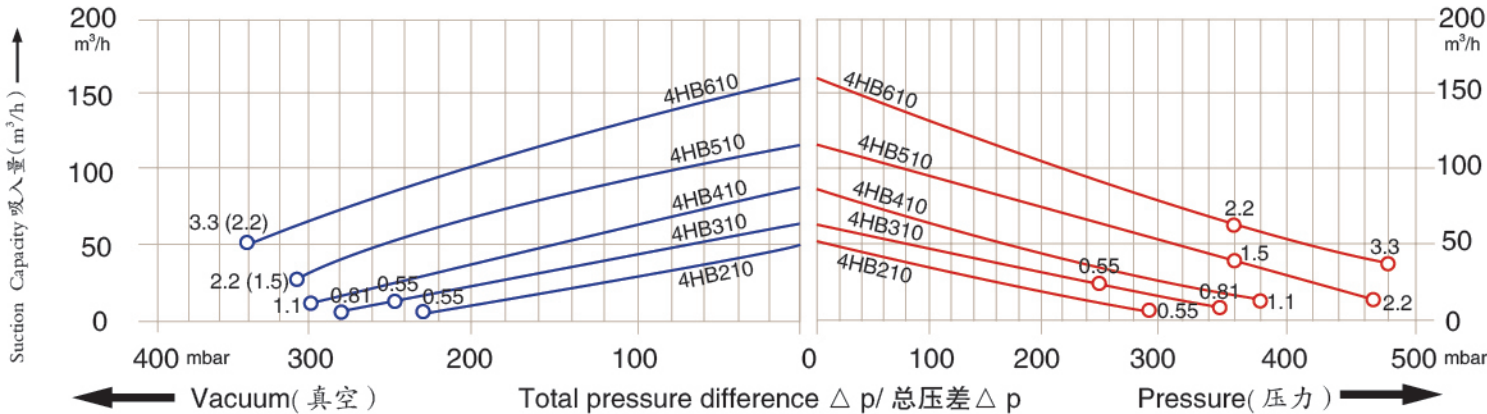


下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃.

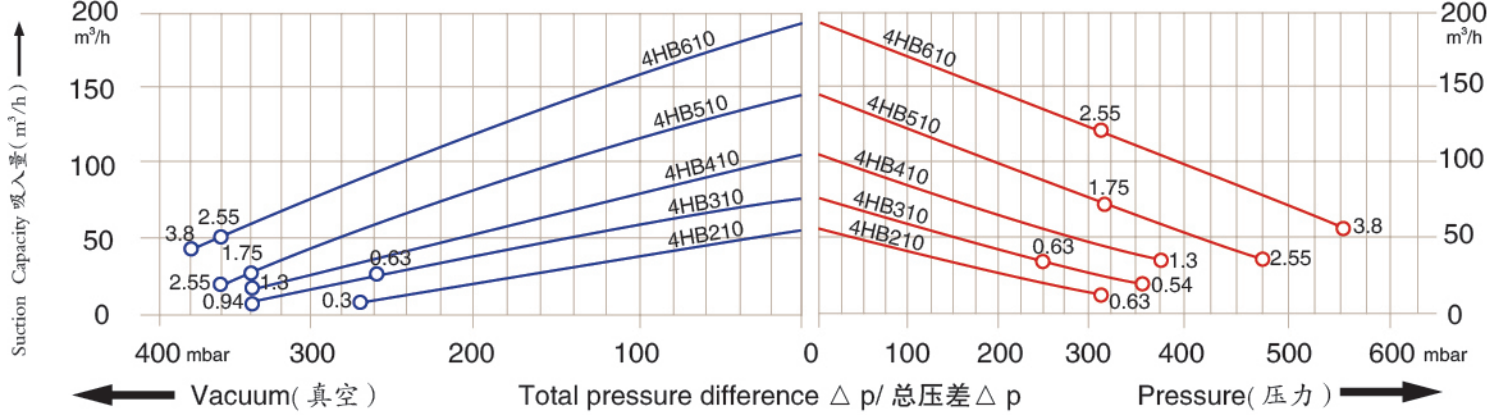
Vacuum Selection diagram 50Hz-- 真空選型圖表 50Hz

Compressor Celetion Diagram 50Hz-- 壓縮選型圖表 50Hz



Vacuum Selection diagram 60Hz-- 真空選型圖表 60Hz

Compressor Celetion Diagram 60Hz-- 壓縮選型圖表 60Hz



4HB 3AC Selection and ordering data for side channel blowers in vacuum and pressure operation (Multi- stage)

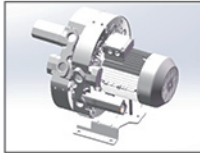
漩渦式氣泵在真空和壓力操作的選型和訂購參數（多級）

G 系列 · G-Series

型 號 (4HB 3AC) Model	單級	馬達參數				最大 排吸流量	額定 真空壓力	額定 壓縮壓力	噪音	重量
	雙級	頻率	功率	額定電壓	額定電流					
	Single	Frequency	Power	Voltage	Current					
	Double	HZ	KW	V	A					
4HB 220 H26	雙	50	0.81	200–240 Δ	345–415Y	4 Δ/2.3Y	47	–370	490	24
		60	0.94	220–275 Δ	380–480Y	4 Δ/2.3Y	60	–440	480	
4HB 220 H56	雙	50	1.5	200–240 Δ	345–415Y	7.5 Δ/4.3Y	47	–370	650	28
		60	1.75	220–275 Δ	380–480Y	7.6 Δ/4.4Y	60	–500	740	
4HB 320 H46	雙	50	1.1	200–240 Δ	345–415Y	5.4 Δ/3.1Y	65	–400	480	29
		60	1.3	220–275 Δ	380–480Y	5.4 Δ/3.1Y	76	–480	480	
4HB 320 H56	雙	50	1.5	200–240 Δ	345–415Y	7.5 Δ/4.3Y	65	–440	540	30
		60	1.75	220–275 Δ	380–480Y	7.5 Δ/4.4Y	76	–560	600	
4HB 420 H26	雙	50	1.5	200–240 Δ	345–415Y	7.5 Δ/4.3Y	87	–480	450	33
		60	1.75	220–275 Δ	380–480Y	7.6 Δ/4.4Y	105	–430	410	
4HB 420 H56	雙	50	3.3	200–240 Δ	345–415Y	13 Δ/7.5Y	87	–500	750	39
		60	3.8	220–275 Δ	380–480Y	13.8 Δ/8Y	105	–510	850	
4HB 520 H26	雙	50	2.2	200–240 Δ	345–415Y	11.4 Δ/6.6Y	120	–470	460	40
		60	2.55	220–275 Δ	380–480Y	11.2 Δ/6.5Y	145	–500	450	
4HB 520 H77	雙	50	4	345–415 Δ	600–720Y	10.0 Δ/5.8Y	120	–500	820	51
		60	4.6	380–480 Δ	660–720Y	9.8 Δ/5.7Y	145	–530	810	
4HB 620 H36	雙	50	3.3	200–240 Δ	345–415Y	13 Δ/7.5Y	165	–460	500	48
		60	3.8	220–275 Δ	380–480Y	14.2 Δ/8.2Y	195	–480	420	
4HB 620 H57	雙	50	5.5	345–415 Δ	600–720Y	13.3 Δ/7.7Y	165	–460	740	65
		60	6.3	380–480 Δ	660–720Y	13.3 Δ/7.7Y	195	–480	840	
4HB 650 H67	三	50	7.5	345–415 Δ	600–720Y	16.7 Δ/9.6Y	170	–730	1040	86
		60	8.6	380–480 Δ	660–720Y	17.3 Δ/10.0Y	200	–700	1040	

4HB Double/Multi-Stage Selection diagram 50/60Hz

4HB 雙極和三級系列 50/60Hz 選型圖表 3AC

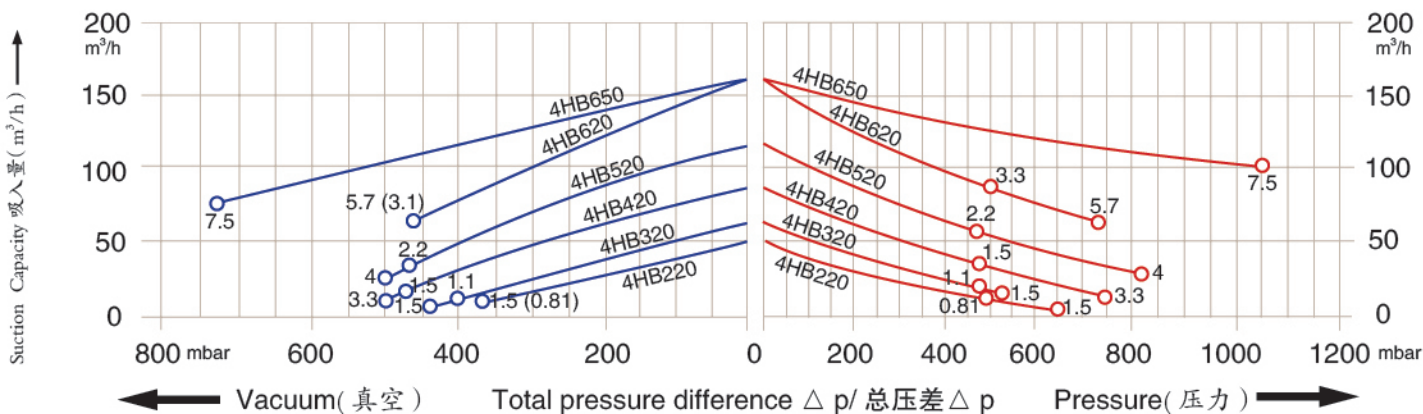


下面的性能曲線是在抽吸 15℃空氣，排氣壓力 1013mbar 的工况下測出的，允差 ±10%，吸入空氣和環境溫度不超過 25℃時，即可達到圖示總壓差。

The performance curves are valid for pumping air at 15℃ at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ± 10%. The total pressure differences are valid up to an intake and ambient temperature of 25℃ .

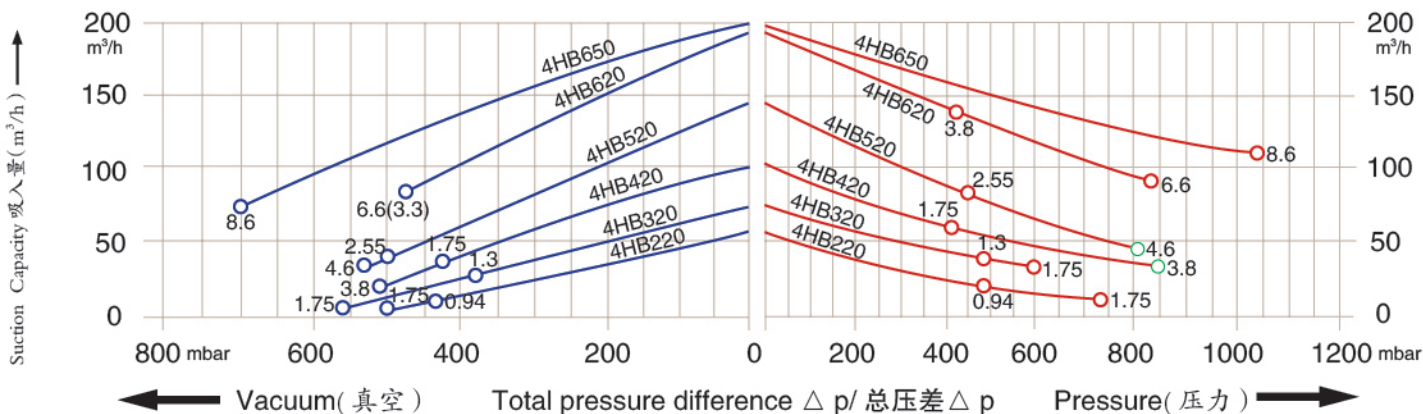
Vacuum Selection diagram 50Hz-- 真空選型圖表 50Hz

Compressor Celetion Diagram 50Hz-- 壓縮選型圖表 50Hz

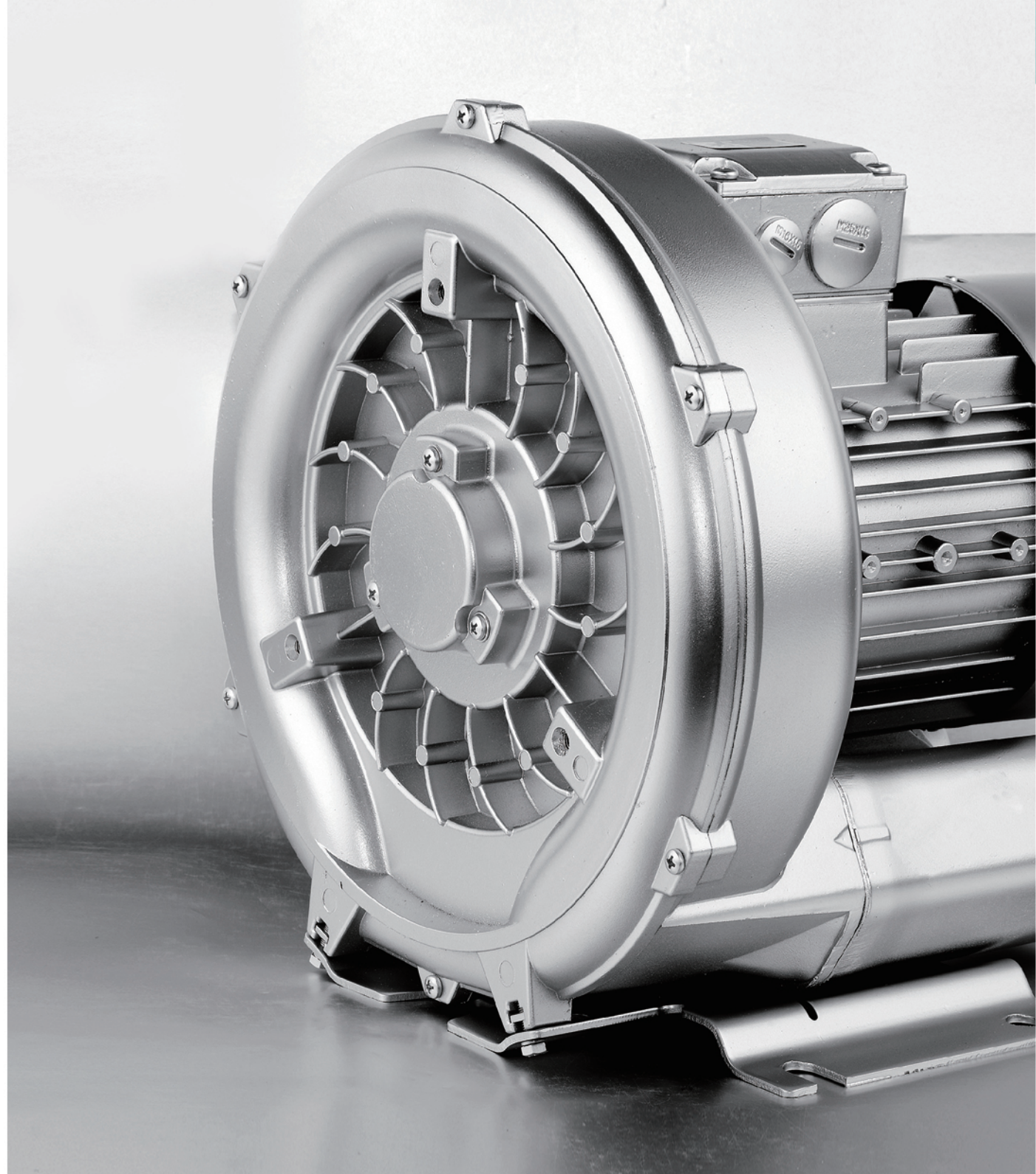


Vacuum Selection diagram 60Hz-- 真空選型圖表 60Hz

Compressor Celetion Diagram 60Hz-- 壓縮選型圖表 60Hz

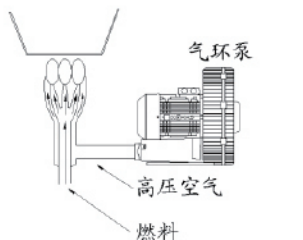
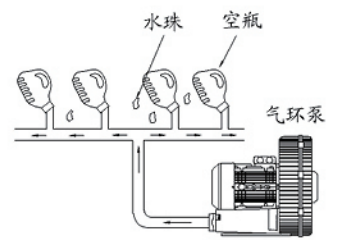
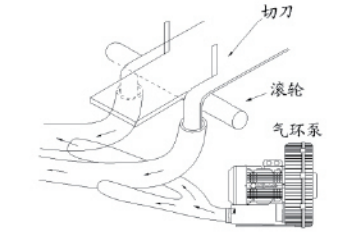
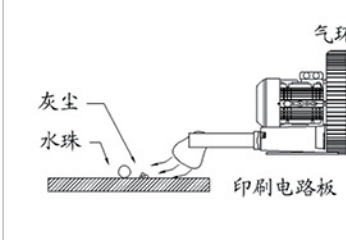
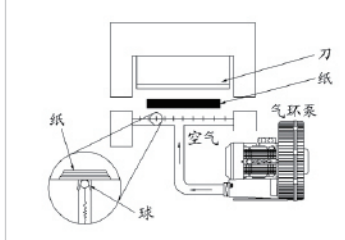
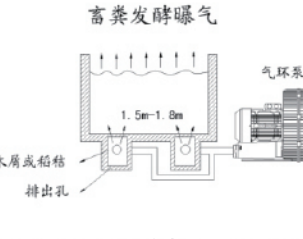
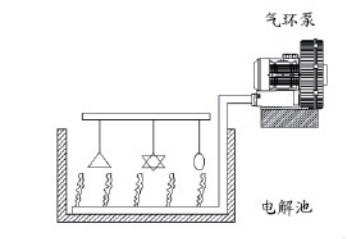
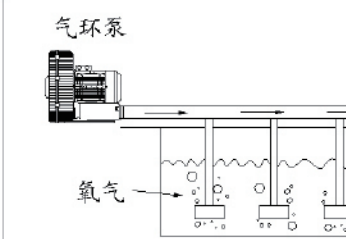
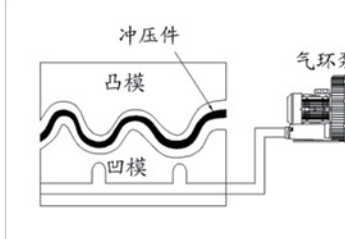
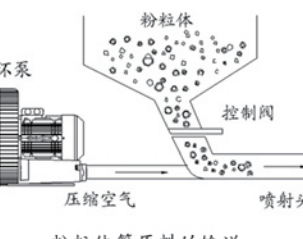
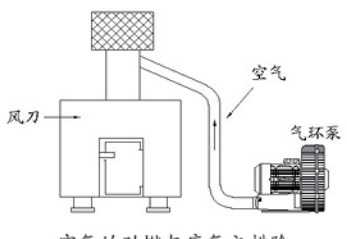
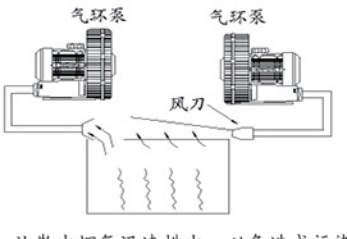
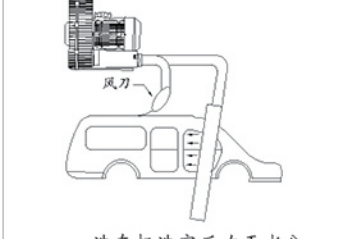
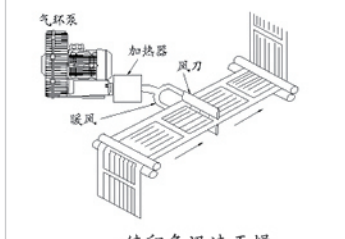


附件展示
ACCESSORIES DISPLAY



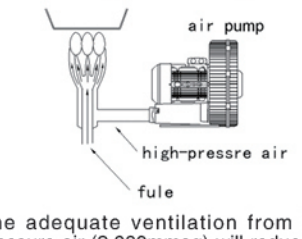
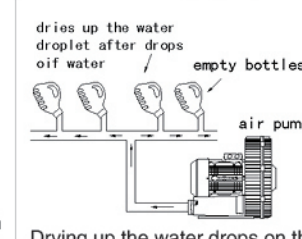
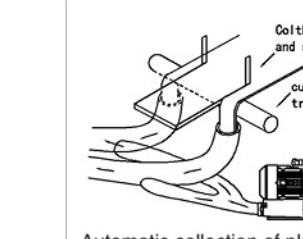
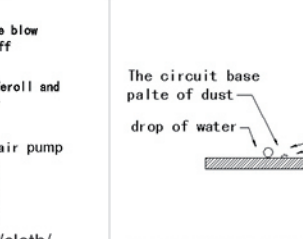
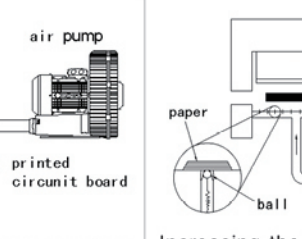
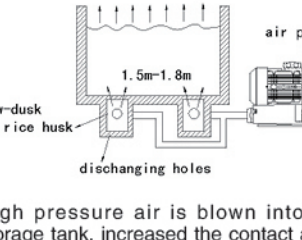
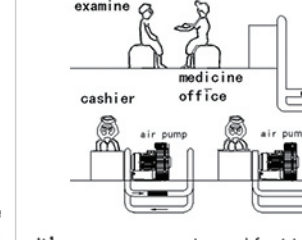
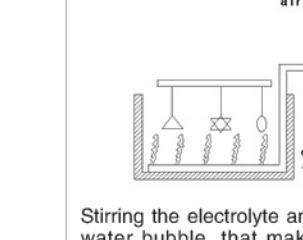
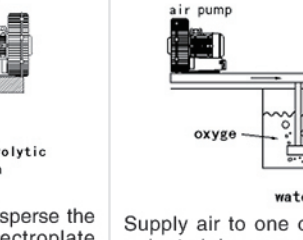
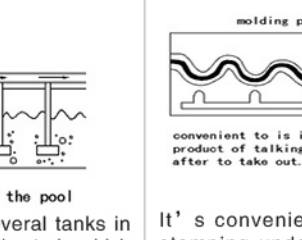
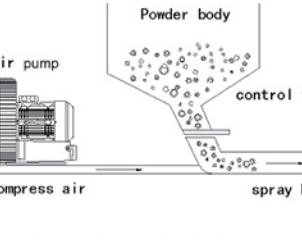
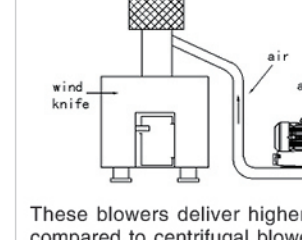
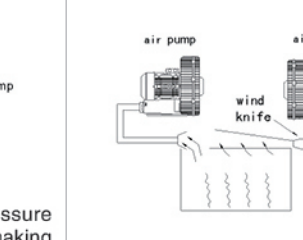
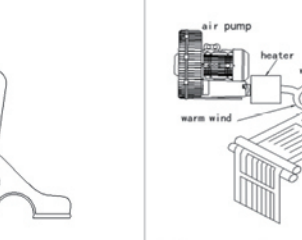
塑料過濾桶 Transparent air filter	鐵過濾桶 Iron air filter	塑料簡易過濾器 Plastic simple air filter	
			
鐵簡易過濾器 Iron simple air filter	鋁釋壓閥 Aluminium relief valve	塑料釋壓閥 Plastic relief valve	不銹鋼外置消聲器 Stainless steel silencer
			

工業應用案例（送風）

瓦斯重油噴燃  高压风机（2.000mmq）足够的风量，将减轻您对压缩机的依赖	洗瓶机吹干  饮料空瓶水洗后将水滴吹干，适用于食品业	纸布条吹送  塑料、布、纸等裁边后自动收集	干燥用空气刀  电路板可利用送风机来吹出微小灰尘和杂物	断机气垫  裁增加浮力，容易移动
富粪发酵曝气  以高压空气吹入蓄粪槽，增加接触面积，亦适合于公害污水处理	传票输送  以空气为动力输送文件既快有准确	电解液搅拌  搅拌电解池，使电解质流通，并把附着水泡驱开，令电镀迅速，效果均匀	养殖池的空气补给  水中氧气补给用	冲床机  帮助取出冲压件
粉粒体输送  粉粒体等原料的输送	焚化炉  空气的助燃与废气之排除	烟气吹送  让散出烟气迅速排出，以免造成污染	洗车吹干  洗车机洗完后吹干水分	印刷强制干燥  使印色迅速干燥

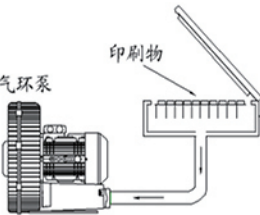
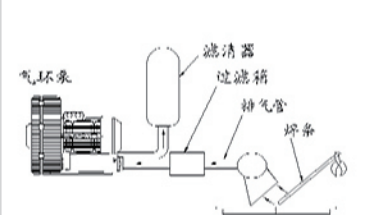
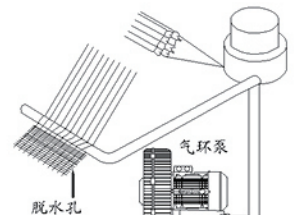
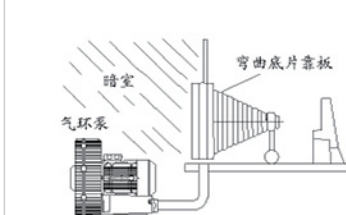
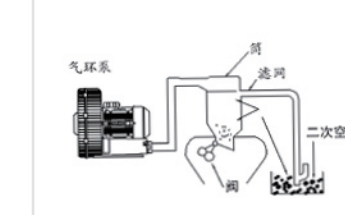
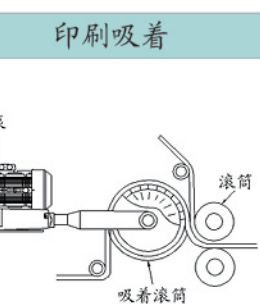
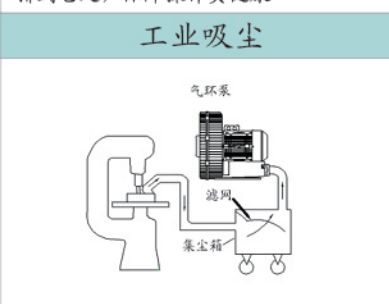
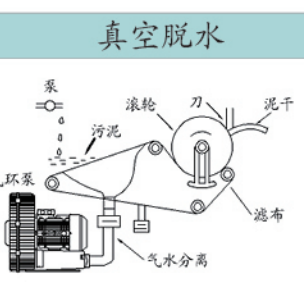
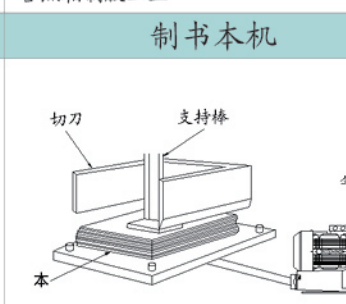
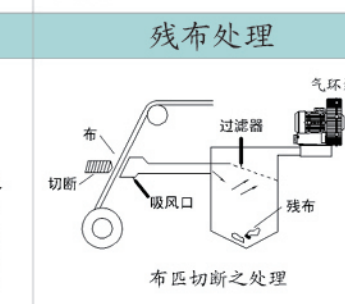
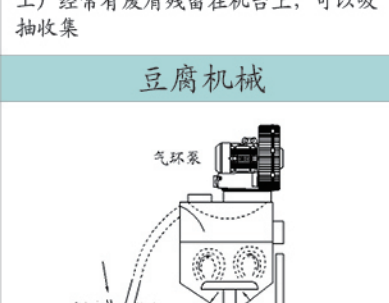
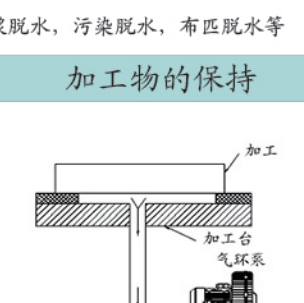
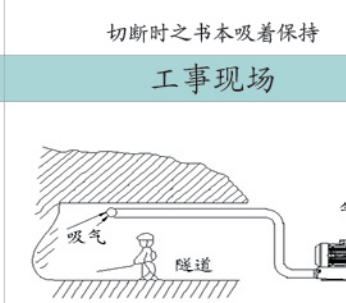
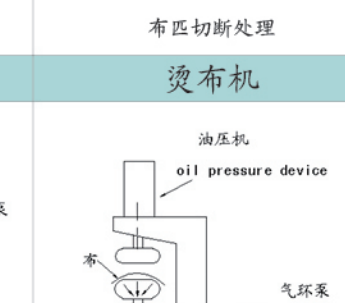
APPLICATION EXAMPLE USE FOR BLOWING

● Blow hoover exhaust cool transport air cushion

The gas and heavy oil gush out firing  The adequate ventilation from high pressure air (2.000mmq) will reduce the dissipation of compressor .	Bottle washing machine drying up  Drying up the water drops on the beverage bottle. Fit for Food industry.	Collecting the bits automatically after paper cutting  Automatic collection of plastic/cloth/ paper cutting edge.	Blower For Drying / Debris Removal With Air Knife  The air pump can be used to blow dust and debris on circuit board	Air cushion  Increasing the buoyancy force to make it move easily
The fermentation of excrement gas aeration  High pressure air is blown into the storage tank, increased the contact area. It also suitable for polluted wasted water	Documents conveying  It' s more accurate and fast to convey document by air pump force	The electrolyte stirring  Stirring the electrolyte and disperse the water bubble, that make electroplate rapidly and even	Oxygen supply for aquaculture  Supply air to one or several tanks in order to bring oxygen to bacteria which must degrade the organic matter.	Punching machine  It' s convenient to take out the stamping under the pressure air help.
Powder Conveying Systems  Powder conveying through a pipe line has been one of the major uses for air pump	Efficient Furnace Fuel Burning  These blowers deliver higher pressure compared to centrifugal blower, making it possible to improve fuel to air mixing, leading to very effective fuel burning.	Disperse the smoke  Disperse the smoke rapidly to reduce pollution	Car washing and drying  Drying up the car rapidly after washing	Drying for printing machine  Air pump is widely used on ink drying

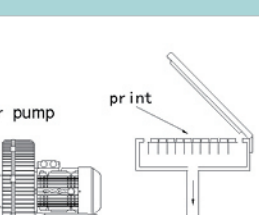
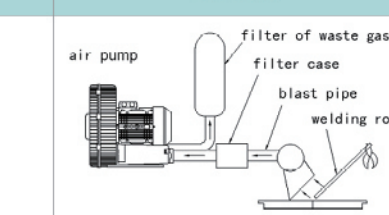
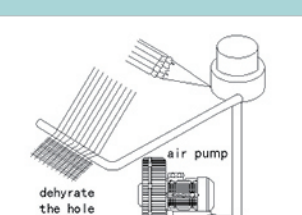
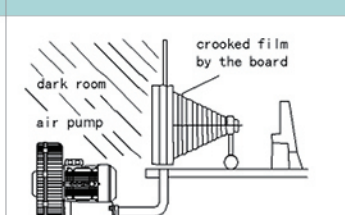
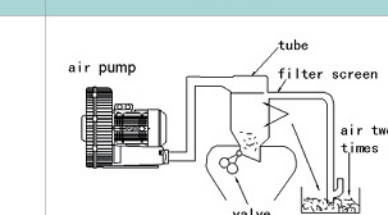
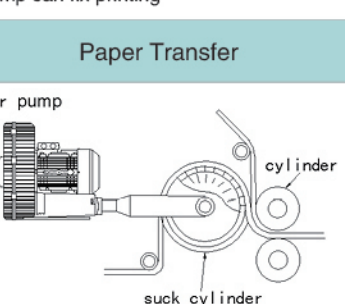
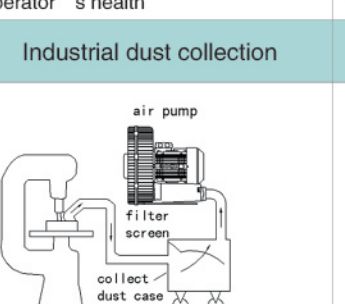
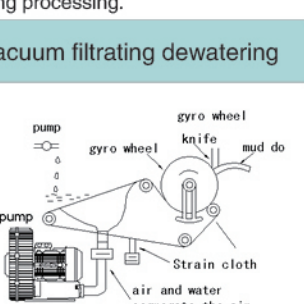
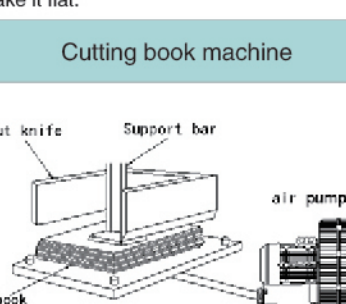
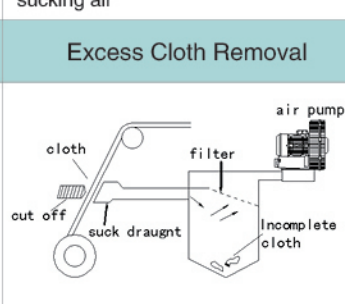
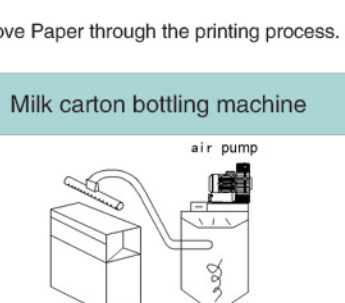
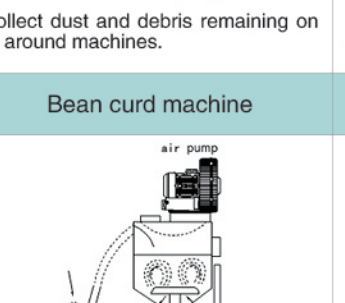
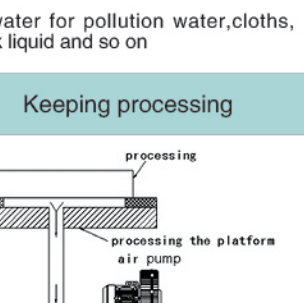
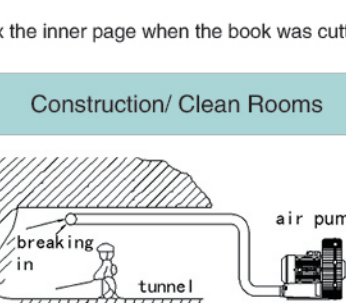
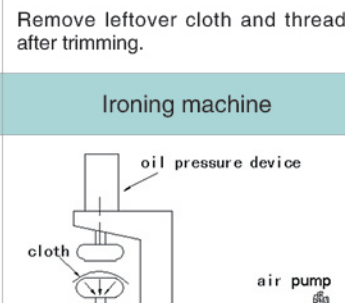
工業應用案例（吸風）

● 送風 吸塵 排氣 冷却 輸送 氣墊

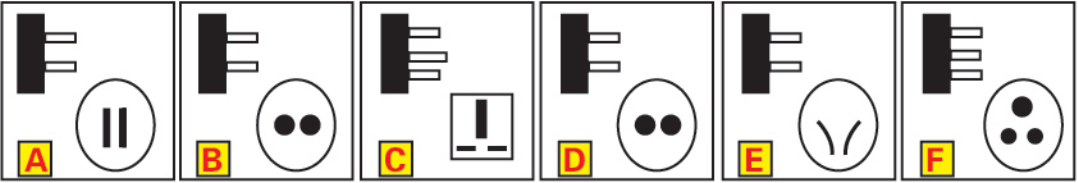
网版印刷机吸着  印刷物 气环泵 利用吸着压力固定，以利印刷作业	焊接废气吸取  气环泵 滤清器 过滤箱 排气管 焊条 焊接时产生烟气和灰尘，可以真空方式排到它处，保障操作员健康	织布机吸丝  气环泵 脱水孔 吸除水分及固定线头，提高品质效率	照相制版  气环泵 暗室 弯曲底片靠板 利用真空吸力来保护底片，使之平坦，适合照相制版工业	粉粒体输送  气环泵 筒 滤网 二次空气 阀 塑胶原料等粒状物体，用吹或者吸来输送
印刷吸着  气环泵 滚筒 吸着滚筒 真空吸着印刷或者纸巾形成移送	工业吸尘  气环泵 滤网 集尘箱 工厂经常有废屑残留在机台上，可以吸抽收集	真空脱水  泵 滚轮 刀 泥干 污泥 气环泵 滤布 气水分离 浆脱水，污染脱水，布匹脱水等	制书本机  切刀 支持棒 气环泵 本 切断时之书本吸着保持	残布处理  气环泵 布 过滤器 吸风口 残布 布匹切断之处理
牛乳纸盒充填机  气环泵 牛乳盒填充之真空吸引利用	豆腐机械  气环泵 吸引大豆输送，至清洗槽洗净使用	加工物的保持  加工 加工台 气环泵 木板、塑胶等非磁性物体之固用	工事现场  吸气 隧道 气环泵 隧道与狭小工事现场，产生粉尘，有毒瓦斯之局部除去	烫布机  油压机 oil pressure device 布 蒸气 气环泵 烫布时将蒸气排放出

APPLICATION EXAMPLE USE FOR VACUUM

● Blow hoover exhaust cool transport air cushion

Sorption in screen printer  air pump print The powerful sorption produced by air pump can fix printing	Exhaust gas absorbing in welding  air pump filter of waste gas filter case blast pipe welding rod The smoke and dust generated during welding can be discharged to other places in vacuum mode to ensure the operator's health	Automatic Loom Machines  air pump dehydrate the hole Keep threads and yarn in place during processing.	Photo – engraving  crooked film by the board dark room air pump The vacuum suction force will protect film, make it flat.	Air pump for powder conveying Systems  air pump tube filter screen valve air two times Powder conveying by blowing or sucking air
Paper Transfer  air pump cylinder suck cylinder Move Paper through the printing process.	Industrial dust collection  air pump filter screen collect dust case Collect dust and debris remaining on or around machines.	Vacuum filtrating dewatering  pump gyro wheel knife mud do air pump Strain cloth air and water segregate the air Dewater for pollution water, cloths, thick liquid and so on	Cutting book machine  cut knife Support bar book air pump Fix the inner page when the book was cutting	Excess Cloth Removal  air pump filter cloth cut off suck draught Incomplete cloth Remove leftover cloth and threads after trimming.
Milk carton bottling machine  air pump Bottling the milk carton by vacuum	Bean curd machine  air pump Suck the soybean and delivery to the cleaning tank	Keeping processing  processing processing the platform air pump Fix the wood, plastic and other non-magnetic items	Construction/ Clean Rooms  breaking in tunnel air pump Remove powders, dust and gases from tunnels, clean rooms or other enclosed spaces	Ironing machine  oil pressure device cloth air pump vapour Discharge the stem when ironing

各國電壓、頻率、單相電源插頭對照表



美洲、非洲、澳州					亞洲					歐洲				
國名（地區）	單相電壓插頭	單相電壓（V）	三相電壓（V）	頻率（Hz）	國名（地區）	單相電壓插頭	單相電壓（V）	三相電壓（V）	頻率（Hz）	國名（地區）	單相電壓插頭	單相電壓（V）	三相電壓（V）	頻率（Hz）
美國	A	120	240/480	60	韓國	A/D/E	110/200	200/220/380	60	英國	C	240	415/480	50
夏威夷	A	120	240/480	60	日本	A	100	200	50/60	愛爾蘭		220	380	50
關島、賽班	A	120	240/480	60	香港	D/F	200	220/346/380	50	法國	D	127/220	380	50
加拿大	A	120	240/480	60	中國	A/C/D/E/F	220	380	50	荷蘭	D	220	400	50
墨西哥	A	127	220	60	臺灣	A	110	220/380	60	比利時	D	127/220	380	50
巴西		127	220/380	60	菲律賓	A/C/E	277	220/400	60	盧森堡	D	120/220	380	50
智利		220	380	50	泰國	C/D	220	380	50	德國	D	220	380	50
哥倫比亞		110	220	60	新加坡	B/C/D	230	400/415/440	50	瑞士	D	220	380	50
哥斯達黎加		120	240	60	伊朗		220	380	50	奧地利	D	220	380	50
多尼加		110	220	60	以色列		230	400	50	意大利	D	127/220	380	50
秘魯		110	220	60	約旦		220	380	50	西班牙	A/D	137/220	220/380	50
厄瓜多爾		127	220	60	科威特		240	415	50	葡萄牙	D	220	380	50
摩洛哥		127	220/380	50	馬來西亞		240	400/415/440	50	丹麥	D	220	380	50
波多黎各		120	240	60	巴基斯坦		220	380/400	50	芬蘭	D	220	380	50
阿根廷		220	380	50	越南		120	208/220/380	50	瑞典	D	220	380	50
委內瑞拉		120	240	60	敘利亞		220	380	50	挪威	D	220	380	50
埃及		220	380	50	沙特阿拉伯		127	220/380/415	50/60	希臘	D	220	380	50
南非		220	380	50	孟加拉		220	380	50	波蘭	D	220	380	50
尼日利亞		220	380	50	印尼		127	220/380	50	土耳其		110	220/380	50
澳大利亞	E	240	415	50	印度		230	400	50	俄羅斯	A/D	127/220	380	50
新西蘭	E	230	400	50										

常用壓力單位換算表

單位名稱	千克力 / 厘米 ²	兆帕	巴	千帕	毫巴	磅 / 英寸 ²	毫米水柱	毫米汞柱	英寸汞柱	標準大氣壓	工程大氣壓	牛頓 / 米 ²
	kg/cm ²	mpa	bar	kpa	mbar	psi ib/in ²	mmh ₂ o mmaq	mmhg torr	inhg	atm	at	帕斯卡 (nm ²)/ pa
kg/cm ²	1	0.098066	0.980665	98.067	980.67	14.223	10000	735.559	28.964	0.96784	1	98066.5
mpa	10.1972	1	10	1000	10000	145.04	101971	7500.61	295.354	9.8692	10	999977.1
bar	1.01972	0.1	1	100	1000	14.5038	10197.2	750.061	29.5354	0.98692	1.01972	100000
kpa	0.0102	0.001	0.01	1	10	0.145	101.97	7.50062	0.2954	0.009869	0.01	1000.25
mbar	0.00102	0.0001	0.001	0.1	1	0.0145	10.2	0.75	0.029543	0.000987	0.001	100.025
psi(ib/in ²)	0.0703	0.006895	0.06895	6.895	68.95	1	703.07	51.715	2.03537	0.06805	0.07031	6894.76
mmh ₂ o(mmaq)	0.0001	0.0000098	0.000098	0.0098	0.098	0.00142	1	0.07358	0.00289	0.000096	0.0001	9.806
mmhg(torr)	0.00136	0.000133	0.00133	0.1333	1.33	0.0193	13.5951	1	0.03936	0.00132	0.00136	133.32
inhg	0.03452	0.0034	0.034	3.385	33.85	0.491	346.02	25.4065	1	0.0334	0.3452	3385.76
atm	1.033	0.1013	1.01325	101.327	1013.17	14.695	10416.66	760	29.94	1	1.0333	101325
at	1	0.1	0.9806	100	1000	14.222	10000	735.29	2.8969	0.9676	1	98066.5
(n/m ²)pa	0.00001	0.000001	0.00001	0.001	0.01	0.000145	0.10197	0.0075	0.000295	0.0001	0.00001	1