

VAR 系列工業抽氣扇



- 備有 200, 250, 305, 380, 460, 610, 760 及 915mm 八款尺寸。
- VAR200 & 250之所有配件均為鐵板沖壓，成品外表經靜電噴塗處理。
- VAR305-915系列之扇葉乃鐵板沖壓，葉托為鋁合金鑄造，整個扇葉均進行嚴格平衡工序。
- VAR305-915系列之電機均為鋁外殼電機，E級絕緣，單相電機均為電容器輔助開關起動。
- VAR 305, 380,460 另備有方框可供選購 (VAS 系列)。
- 所有型號配件均為鐵板沖壓.成品外表經靜電噴塗處理 。
- 大部份型號均按 IEC60335-2-80之標準檢測，並已領有歐盟之安全認證。
- 大部份產品之風量, 噪音均由美國風機協會檢測。
- 可按客戶要求，提供 IP55 級別電機。



VAR200 & VAR250



VAR305 & VAR380 & VAR460 & VAR610



VAS305 & VAS380 & VAS460



VAR760 & VAR915



Appendix to the License Agreement To Use The AMCA Certified Ratings Program Seal

Appendix No. : 2

In accordance with the License Agreement issued on November 14, 2013 by Air Movement and Control Association International, Inc., Wing Ton Fan Industry Ltd. is hereby authorized to use the AMCA Certified Ratings Seal on the specific air movement and control devices listed below. Such use shall in all respects be governed by and subject to the provisions of said License Agreement.

Propeller Fans

Product Line

Catalog ID

"VAR" Series Plate Mounted Propeller Fans

CATA-AMCA-VAR, September 2016

<u>Size</u>	<u>Model No</u>	<u>Size</u>	<u>Model No</u>	<u>Size</u>	<u>Model No</u>
12.28	VAR305CBV	12.28	VAR305BBV	14.29	VAR380CBV
17.64	VAR460BBV	14.29	VAR380BBV	24.33	VAR610BBV
24.33	VAR610CBV	17.64	VAR460CBV	29.92	VAR760CBV
29.92	VAR760DBV	24.33	VAR610DBV	36.02	VAR915DBV
36.02	VAR915EBV	29.92	VAR760EBV		

* License to Bear The AMCA Seal For Sound and Air Performance.

Please verify current certification status in the AMCA International Directory of Licensed Products located at www.amca.org.
Granted This 2/19/2014

Unit of Measure: mm

Nazme Mohsina
Technical Director

Revised :

**AIR MOVEMENT AND CONTROL ASSOCIATION
INTERNATIONAL, INC.**

TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD TÜV SÜD
CERTIFICATE ◆ CERTIFICADO ◆ CERTИФИКАТ ◆ 認證證書 ◆ ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTИФИКАТ ◆ 認證證書 ◆ ZERTIFIKAT



Attestation of Conformity

No. N8A 072582 0022 Rev. 01

Holder of Certificate: **Sam Hing Cheung Fans
And Equipment Limited**
Flat B, 1/F., Kam Shing Industrial Building
1-11 Kwai Wing Road
Kwai Chung
HONG KONG

Product: **Fans
(Propeller Fan)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.: 681101422302

Date, 2019-07-29

(Kelvin Zeng)

Page 1 of 2
After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany





Product Service

Attestation of Conformity

No. N8A 072582 0022 Rev. 01

Model(s): VAR200BBV, VAR250BBV, VAR305BBV, VAR305CBV, VAR305FBV, VAR305GBV, VAR380BBV, VAR380CBV, VAR380FBV, VAR380GBV, VAR460BBV, VAR460CBV, VAR460FBV, VAR460GBV, VAR610BBV, VAR610CBV, VAR610DBV, VAR610FBV, VAR610GBV, VAR610HBV, VAR760XBV, VAR760CBV, VAR760DBV, VAR760EBV, VAR915DBV, VAR915EBV

Brand: Wing Ton



Parameters:

Rated Input: See below table for details

Protection Class: I

Degree of Protection: IPX0

Model No.	Rated input	Rated power input
VAR200BBV	220-240V / 50Hz	28W
VAR250BBV		33W
VAR305BBV	220-240V / 50Hz	82W
VAR305CBV		65W
VAR305FBV	380-415V / 50Hz	82W
VAR305GBV		75W
VAR380BBV	220-240V / 50Hz	135W
VAR380CBV		70W
VAR380FBV	380-415V / 50Hz	135W
VAR380GBV		80W
VAR460BBV	220-240V / 50Hz	317W
VAR460CBV		122W
VAR460FBV	380-415V / 50Hz	317W
VAR460GBV		122W
VAR610BBV	220-240V / 50Hz	865W
VAR610CBV		340W
VAR610DBV	380-415V / 50Hz	248W
VAR610FBV		865W
VAR610GBV	380-415V / 50Hz	340W
VAR610HBV		248W
VAR760XBV	220-240V / 50Hz	550W
VAR760CBV	380-415V / 50Hz	750W
VAR760DBV		550W
VAR760EBV	380-415V / 50Hz	370W
VAR915DBV		794W
VAR915EBV	318W	

Tested according to:

EN 60335-2-80:2003/A2:2009
 EN 60335-1:2012/A13:2017
 EN 62233:2008

Page 2 of 2

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Fans (Propeller Fan)
Name and address of the applicant	Sam Hing Cheung Fans And Equipment Limited Flat B, 1/F., Kam Shing Industrial Building 1-11 Kwai Wing Road Kwai Chung HONG KONG
Name and address of the manufacturer	Sam Hing Cheung Fans And Equipment Limited Flat B, 1/F., Kam Shing Industrial Building, 1-11 Kwai Wing Road, Kwai Chung, HONG KONG
Name and address of the factory	FOSHAN SHUNDE SAM HING CHEUNG FANS AND EQUIPMENT LIMITED No.1 Building, No.1 Road Guangda Market, Leiliu Town, Shunde District, 528322 Foshan, PEOPLE'S REPUBLIC OF CHINA
Ratings and principal characteristics	Rated Input: See test report for details Protection Class: I Degree of Protection: IPX0
Model/type Ref.	VAR200BBV, VAR250BBV, VAR305BBV, VAR305CBV, VAR305FBV, VAR305GBV, VAR380BBV, VAR380CBV, VAR380FBV, VAR380GBV, VAR460BBV, VAR460CBV, VAR460FBV, VAR460GBV, VAR610BBV, VAR610CBV, VAR610DBV, VAR610FBV, VAR610GBV, VAR610HBV, VAR760XBV, VAR760CBV, VAR760DBV, VAR760EBV, VAR915DBV, VAR915EBV
A sample of the product was tested and found to be in conformity with	IEC 60335-1:2010 IEC 60335-1:2010/AMD1:2013 IEC 60335-1:2010/AMD2:2016 IEC 60335-2-80:2015
as shown in the Test Report Ref. No. which forms part of this certificate	211-700427-000

This CB Test Certificate is issued by the National Certification Body

CBS 072582 0035 Rev. 00

Date, 2019-08-07

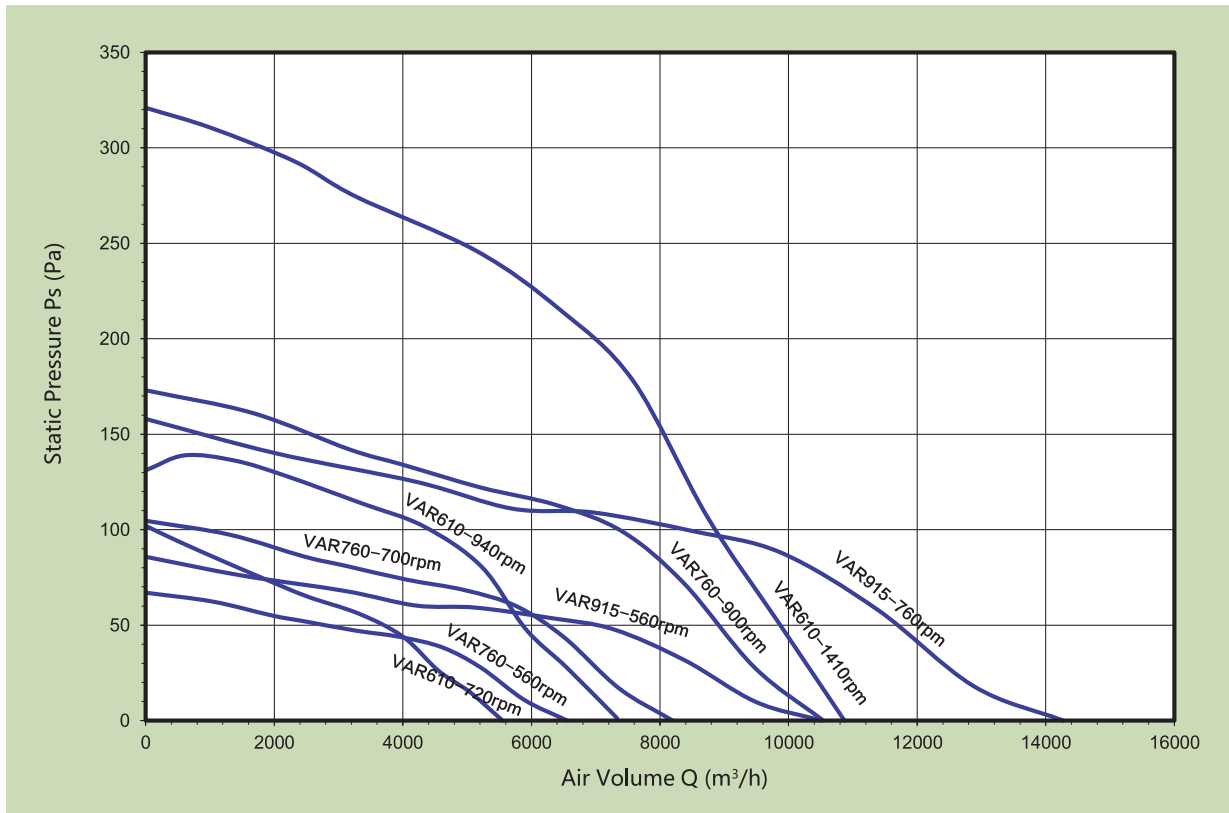
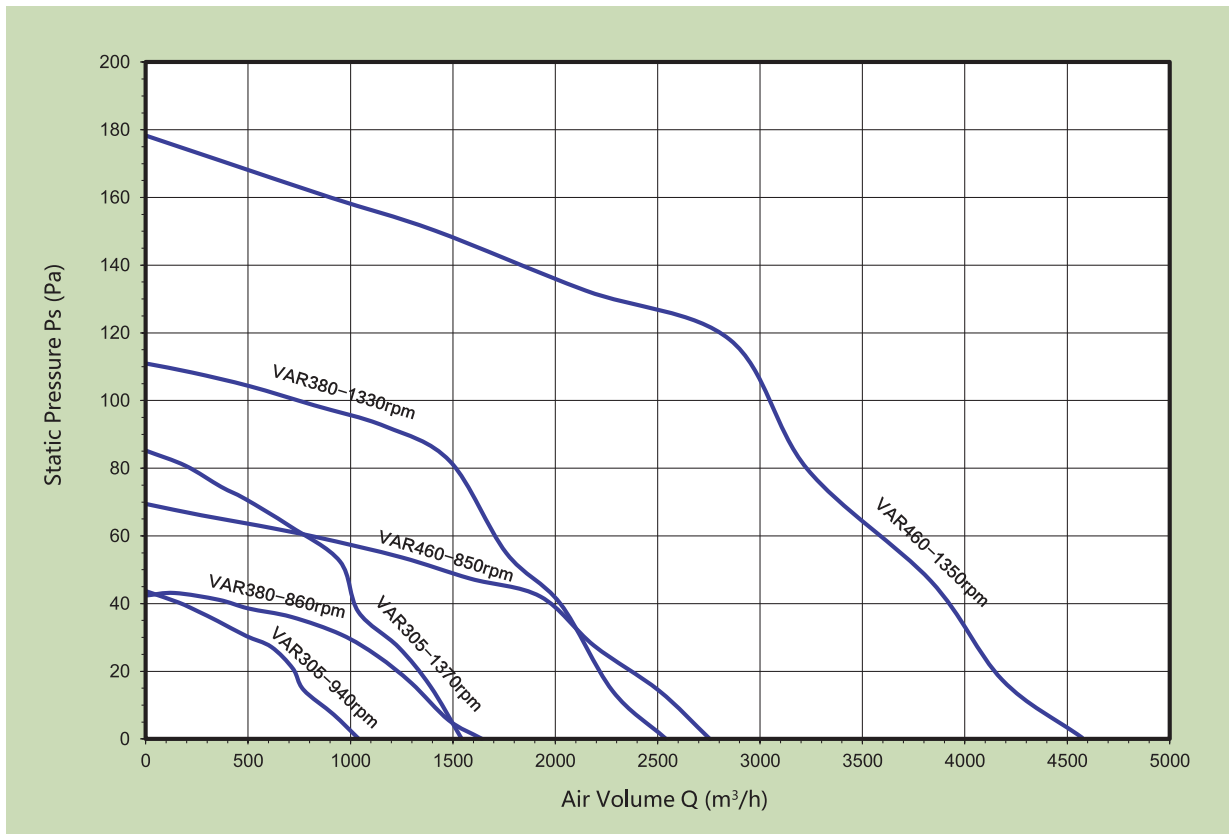
(Darius Guo)

Page 1 of 2
TÜV SÜD PSB Pte Ltd • 1 Science Park Drive • Singapore 118221




PSB Singapore

風量曲線圖

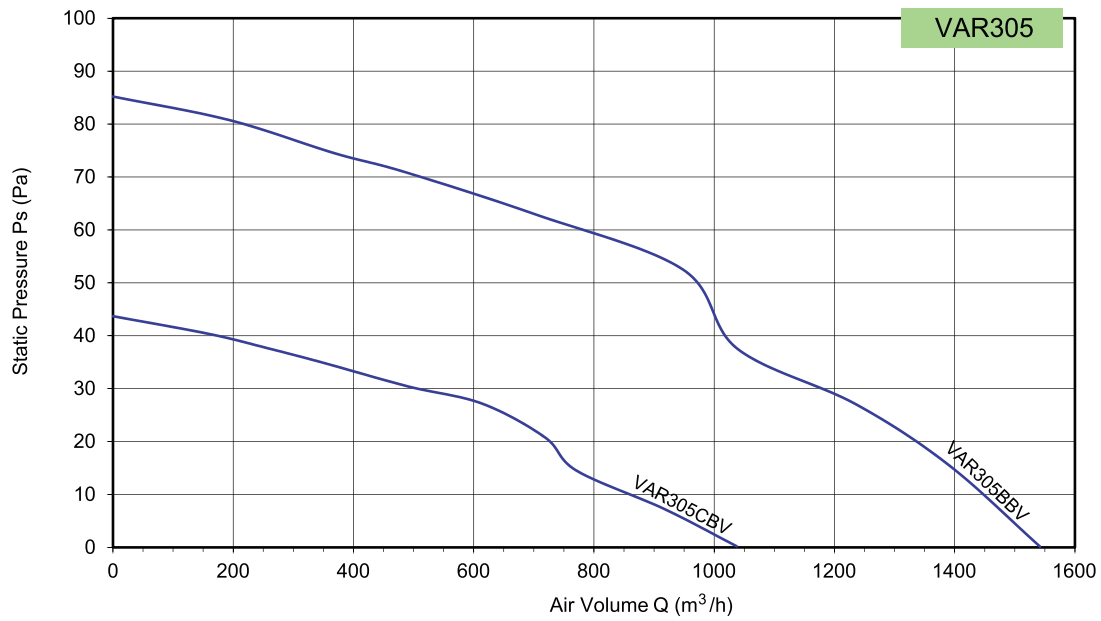


技術參數

	型號 (香港規格)	扇葉直徑 inch/mm	額定電壓 V/Ph/Hz	電機功率 W	電流 A	最高轉速 RPM	風量 m ³ /h	最高噪音 dB (A)	重量 N.W.kg
	VAR200BBV	8" / 200	220-240/1/50	28	0.14	1350	750	46	1.8
	VAR250BBV	10" / 250	220-240/1/50	33	0.16	1350	900	50	2.6
★	VAR305BBV	12" / 305	220-240/1/50	82	0.41	1370	1540	72	6.0
★	VAR305CBV			65	0.28	940	1040	69	6.2
	VAR305FBV		380-415/3/50	82	0.21	1370	1540	72	6.0
	VAR305GBV			75	0.17	940	1040	69	6.2
★	VAR380BBV	15" / 380	220-240/1/50	135	0.68	1330	2540	73	7.9
★	VAR380CBV			70	0.35	860	1640	62	6.8
	VAR380FBV		380-415/3/50	135	0.30	1330	2540	73	7.5
	VAR380GBV			80	0.18	860	1640	62	7.4
★	VAR460BBV	18" / 460	220-240/1/50	317	1.60	1350	4570	83	13.0
★	VAR460CBV			122	0.62	850	2750	68	10.3
	VAR460FBV		380-415/3/50	317	0.70	1350	4570	83	12.2
	VAR460GBV			122	0.31	850	2750	68	10.3
★	VAR610BBV	24" / 610	220-240/1/50	865	4.14	1410	10870	90	27.8
★	VAR610CBV			340	1.72	940	7330	79	23.0
★	VAR610DBV			248	1.25	720	5550	72	22.0
	VAR610FBV		380-415/3/50	865	1.64	1410	10870	90	26.7
	VAR610GBV			340	0.87	940	7330	79	23.0
	VAR610HBV			248	0.69	720	5550	72	22.0
	VAR760XBV	30" / 760	220-240/1/50	550	2.78	700	8190	74	36.0
★	VAR760CBV		380-415/3/50	750	1.52	900	10530	82	36.0
★	VAR760DBV			550	1.28	700	8190	74	36.0
★	VAR760EBV			370	0.93	560	6550	67	36.0
★	VAR915DBV	36" / 915	380-415/3/50	794	1.42	700	14270	83	47.2
★	VAR915EBV			318	0.80	560	10515	74	47.2

VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



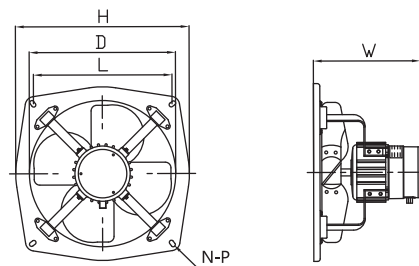
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m³/h)	Sound Power dB(A)
VAR305 BBV	240	1	50	82	106	0.44	1365	1540	72
VAR305 CBV	240	1	50	65	70	0.28	945	1040	69

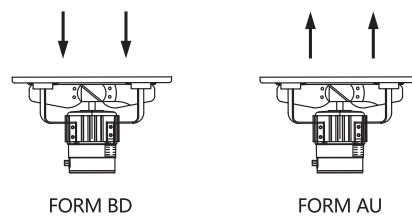
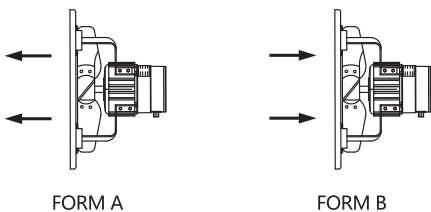
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lwo(A) sound power levels for installation type A: free Inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR305	326	387	220	310	4-9



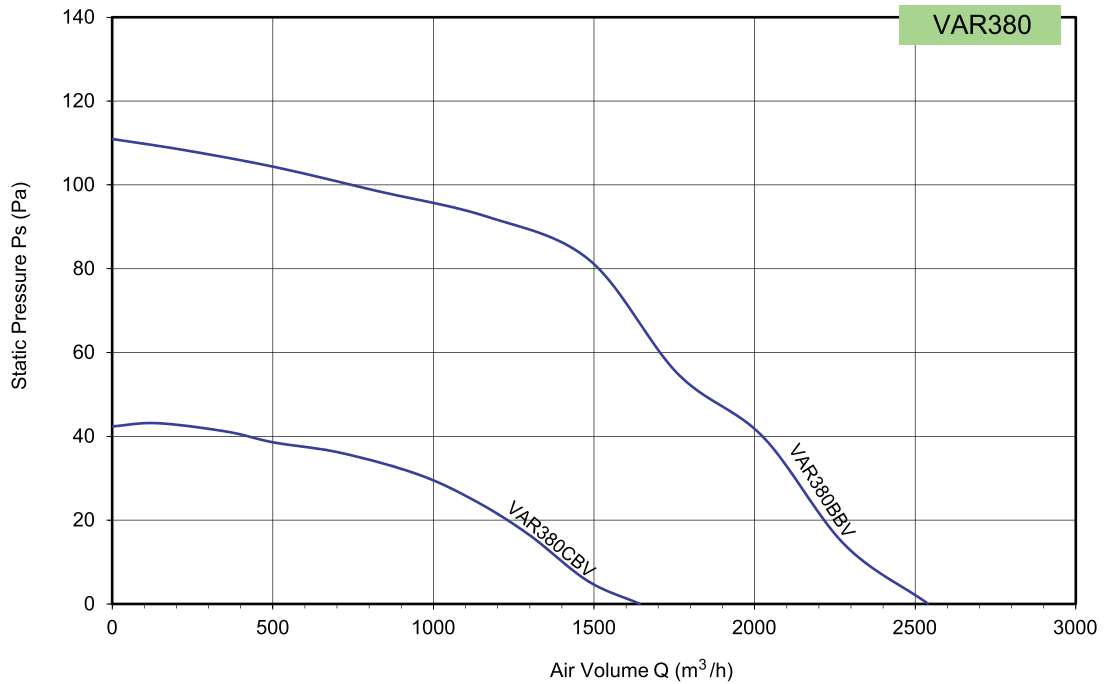
FORM OF RUNNING VENTILATING FANS



▶ Special bearing is required for these form of direction.

VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



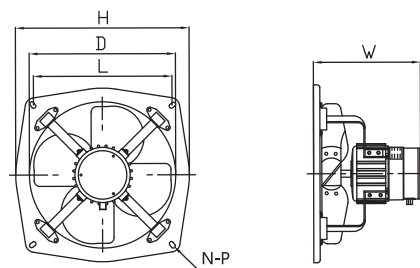
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m³/h)	Sound Power dB(A)
VAR380 BBV	240	1	50	135	191	0.77	1326	2540	73
VAR380 CBV	240	1	50	70	83	0.33	860	1640	62

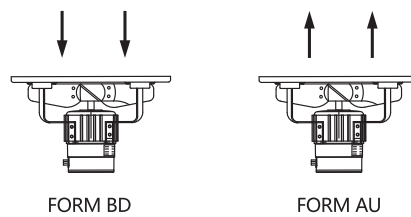
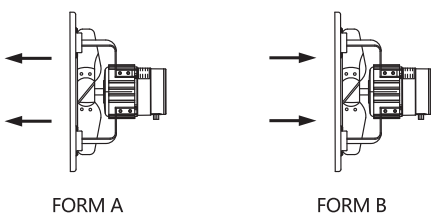
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lwo(A) sound power levels for installation type A: free Inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR380	400	475	270	363	4-9



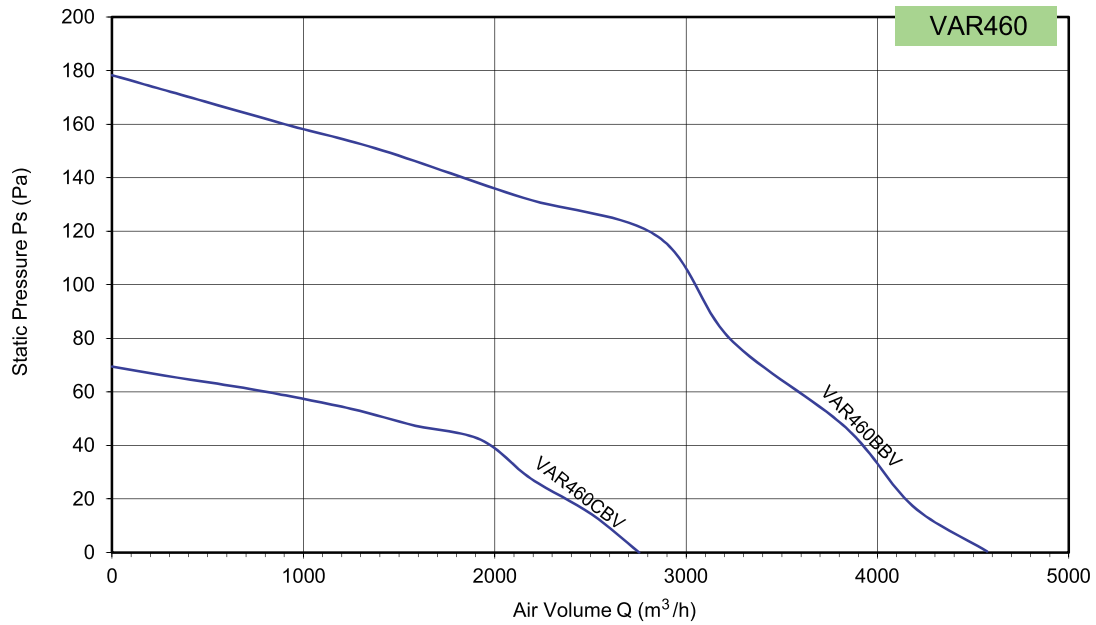
FORM OF RUNNING VENTILATING FANS



Special bearing is required for these form of direction.

VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



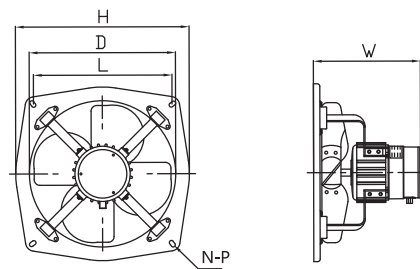
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m^3/h)	Sound Power dB(A)
VAR460 BBV	240	1	50	317	428	1.73	1350	4570	83
VAR460 CBV	240	1	50	122	153	0.61	850	2750	68

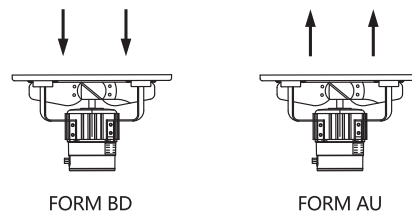
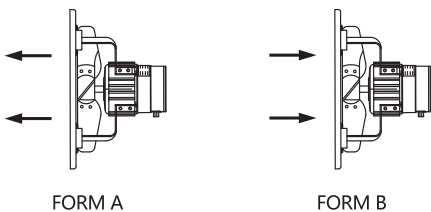
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lw(A) sound power levels for installation type A: free Inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR460	475	553	297	445	4-11



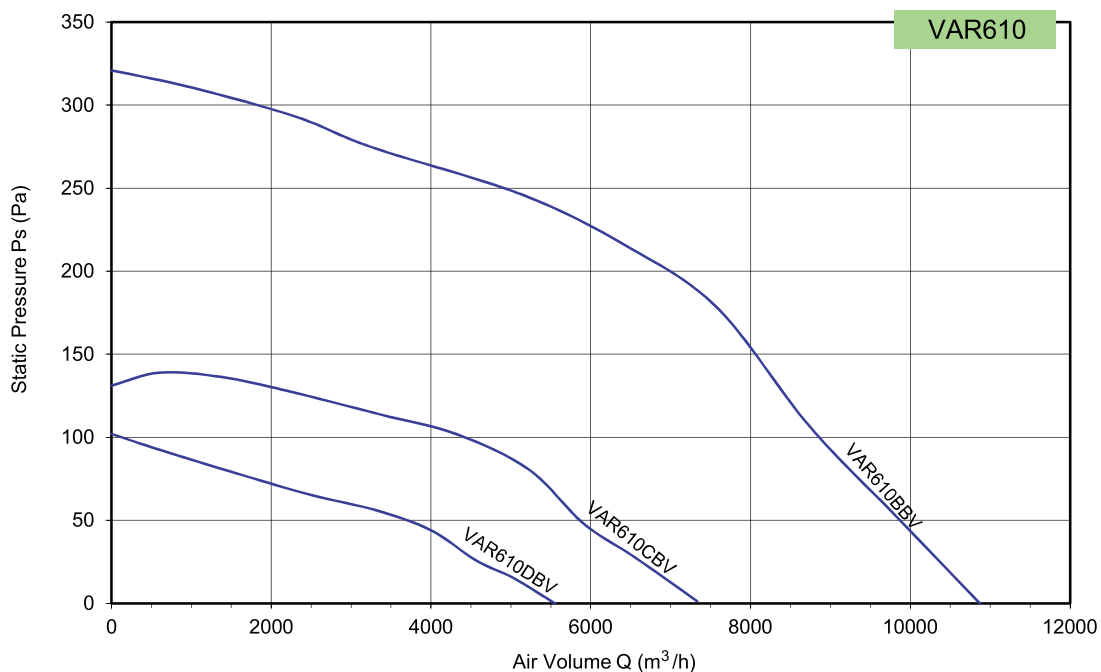
FORM OF RUNNING VENTILATING FANS



Special bearing is required for these form of direction.

VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



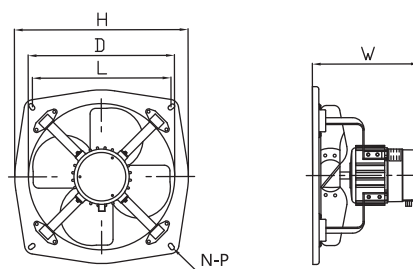
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m^3/h)	Sound Power dB(A)
VAR610 BBV	240	1	50	865	1594	6.70	1410	10870	90
VAR610 CBV	240	1	50	340	622	2.70	940	7330	79
VAR610 DBV	240	1	50	248	329	1.45	725	5550	72

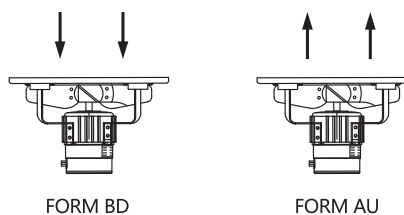
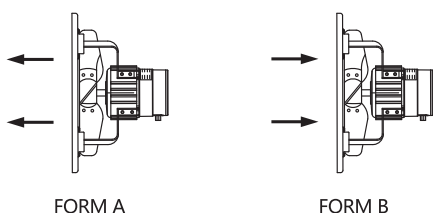
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lwo(A) sound power levels for installation type A: free Inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR610	628	716	390	580	4-13



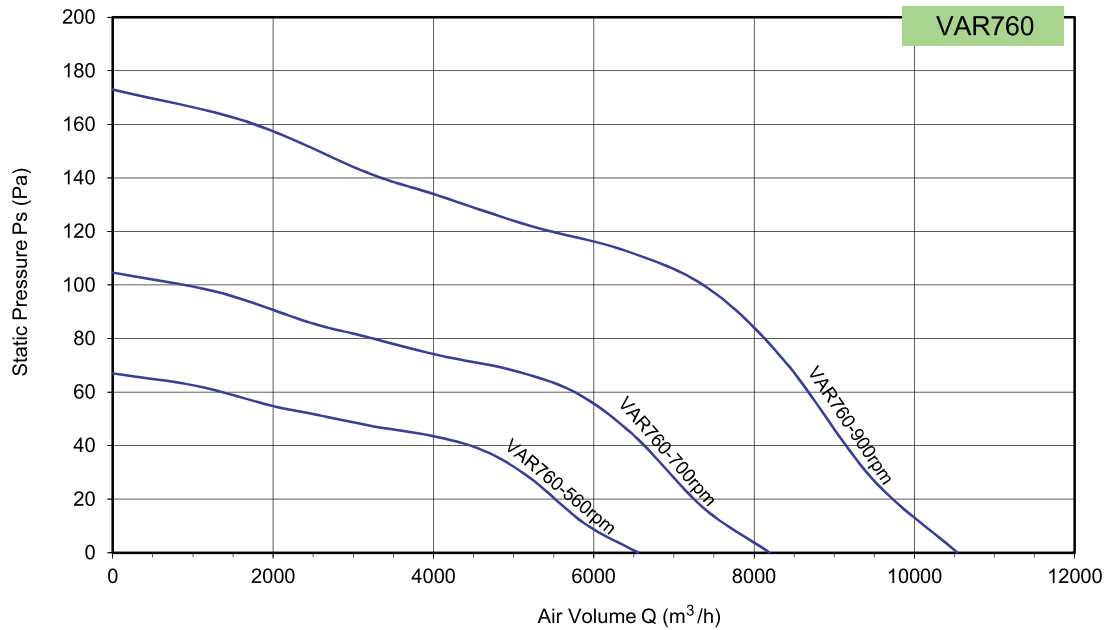
FORM OF RUNNING VENTILATING FANS



Special bearing is required for these form of direction.

VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



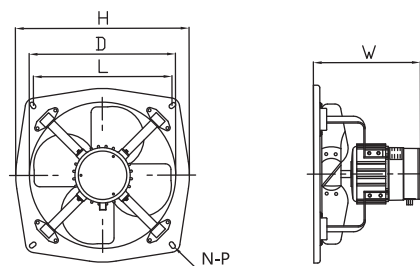
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Motor Power (W)	Max.Fan Input Power (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m³/h)	Sound Power dB(A)
VAR760CBV	380	3	50	750	840	1.45	900	10530	82
VAR760DBV	380	3	50	550	620	1.05	700	8190	74
VAR760EBV	380	3	50	370	420	0.80	560	6550	67

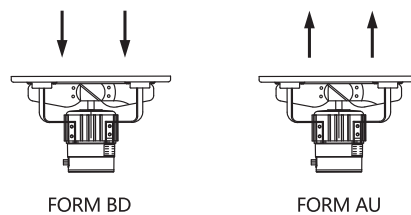
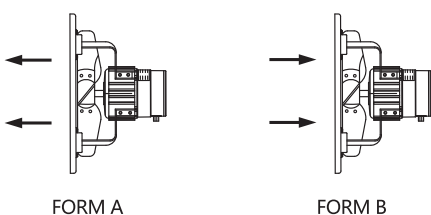
Performance certified is for installation type A - Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lwo(A) sound power levels for installation type A: free Inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR760	790	895	455	694	4-13



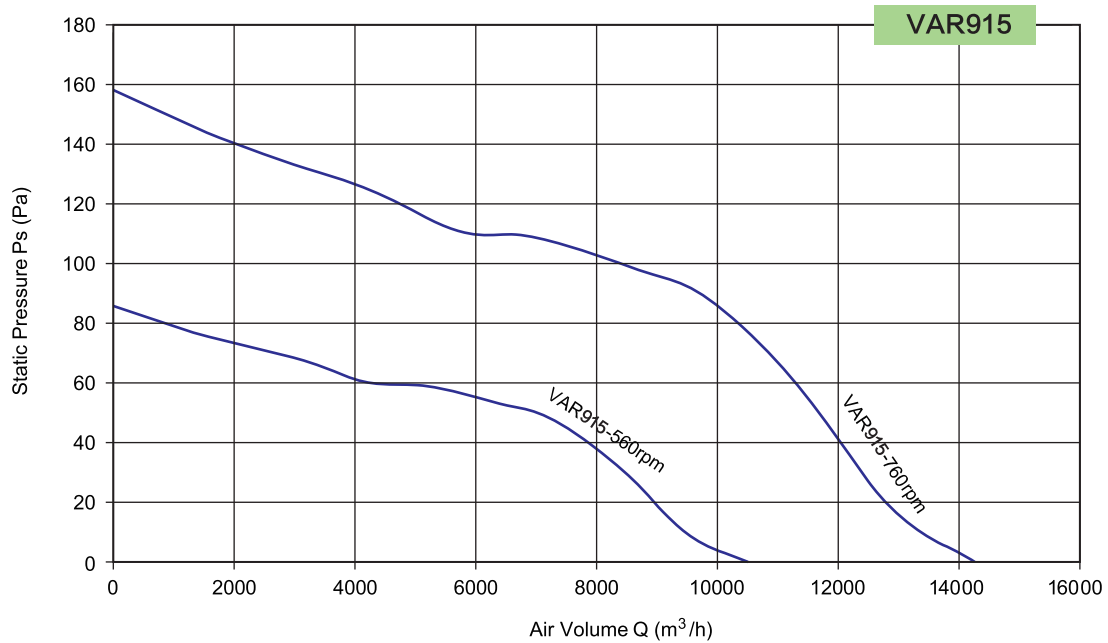
FORM OF RUNNING VENTILATING FANS



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VAR SERIES EXHAUST FAN

$\rho = 1.2\text{kg/m}^3$



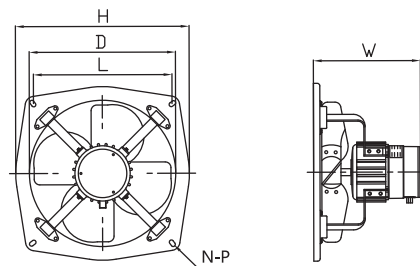
TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m^3/h)	Sound Power dB(A)
VAR915DBV	380	3	50	794	880	1.42	760	14270	83
VAR915EBV	380	3	50	318	360	0.80	560	10515	74

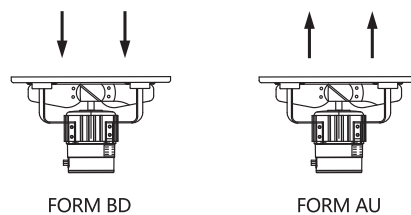
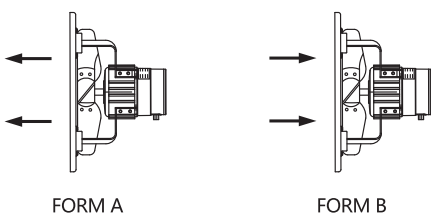
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet $L_{w(A)}$ sound power levels for installation type A: free inlet, free outlet.

DIMENSION

Model	D	H	W(Max)	L	N-P
VAR915	946	1064	520	830	4-18



FORM OF RUNNING VENTILATING FANS

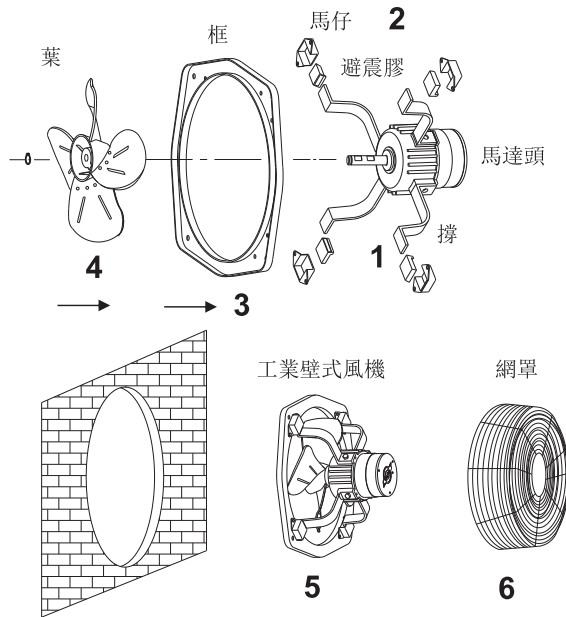


Special bearing is required for these form of direction.

VAR 系列工業抽氣扇安裝使用及維護

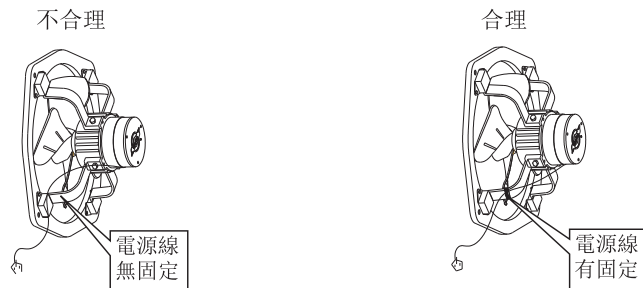
一、安裝注意事項

1. 安裝工業壁式風機 成品



- 嚴格按圖示順序以及方向組裝工業壁式風機的各零部件。
- 一般情況，要求安裝位高于2.3米，以免造成人身傷害。
- 如若安裝位置較低時（低于2.3米）或對有特殊要求（裝低時），應考慮增加網罩，以防造成不必要的人身傷害。
- 緊固四個角上的緊定螺絲，切不可鬆動，以免發生抖動或掉落現象。
- 馬達頭要求不能濺水或淋雨。

2. 工業壁式風機電源綫擺放位置



電源綫要有規律纏繞在撐上且捆綁牢固，以免在運轉過程中電源綫纏繞于工業壁式風機的葉片上。

二、使用環境中注意的項目：

- 溫度不能低於 -15°C 或不應高於 $+60^{\circ}\text{C}$ 。
- 最高海拔高度不應超過1000米。
- 工業壁式風機不可安裝于空氣中有腐蝕性、易燃、易爆性氣體的環境中，如生產腐蝕性化學藥品的工廠。

三、使用前的檢查項目：

機械檢查：可以用手轉動馬達軸，檢查其是否转动灵活。有否碰、擦葉等異常現象；

電氣檢查：在使用工業壁式風機之前，請查明當地電壓、供電系統與產品銘牌上的參數是否吻合。

四、起動時的檢查項目：

起動時有無馬達葉擦边框現象，若有，應立即切斷電源，停止使用。

起動時有無冒煙和有異味現象，若有，應立即切斷電源，停止使用。

五、運轉時的檢查項目：

檢查整體運行時的平穩性，如若震動較大，此時工業壁式風機葉的平穩性較差，須進行動平衡或靜平衡的較正后方可使用。

六、維修與保養：

1. 若由於季節轉變性的原因，造成長時間停用，一旦準備啟用時，應作好以下工作：a. 清理灰塵和油污。

b. 在斷電狀態下，轉動葉片，是否感覺轉動靈活。C. 通電試轉“OK”后，方可運行。

2. 在清理過程中：

關閉電源→按上面圖示所示的相反順序拆卸各零部件→用水加清潔劑，再用布料沾少許去擦污垢，並要晾干后（注意馬達不能接觸水份）→按上面圖示所示順序安裝各零部件。

3. 不允許用濕布清潔馬達，以防止漏電。

4. 工業壁式風機在運轉過程中不允許用布清理防護網上的灰塵，以防止被卷入，造成傷害。

5. 不要私自打開、檢查或修理馬達，這樣可能導致碰火短路、觸電等傷害。如需維修，可與購買工業壁式風機的廠（商）家聯系。

6. 如果電源軟線損壞，為了避免危險，必須由製造商、或維修部專業人員更換。

7. 本產品不允許小孩玩耍，也絕不允許小孩或體弱的人群觸摸操作，以免操作不當發生安全事事故。

8. 用戶使用之前必須仔細閱讀說明書，已了解清楚產品的性能，

9. 本產品如有損壞、故障等需要維修，一定要由廠家指定的專業維護人員進行修理。

七、以下情況不列入保養範圍：

- 馬達缺相運行而導致產品損毀。
- 產品因長期擺放而導致外觀殘舊，功能受損。
- 使用環境含腐蝕性氣體或內含有雜質、硬物。溫度過高而導致產品損壞。
- 因整體抽風系統設計錯誤而導致產品損壞。