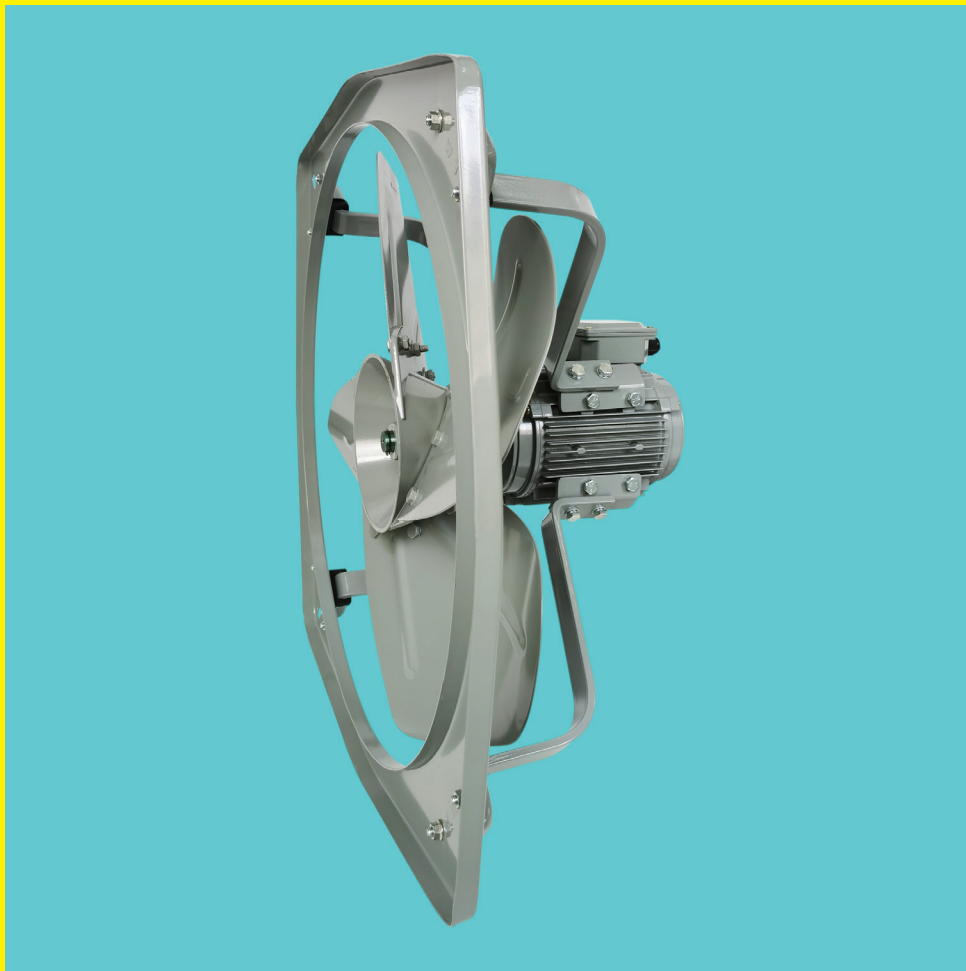




# WING TON FAN INDUSTRY LIMITED



VAR SERIES PLATE MOUNTED PROPELLER FANS  
**CATA-AMCA-VAR , December, 2024**

# VAR SERIES PLATE MOUNTED PROPELLER FANS

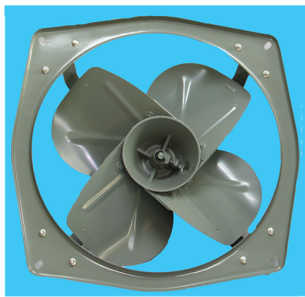


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Wing Ton Fan Industry Limited certifies that the VAR Series Plate Mounted Propeller Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

## ► Description:



- 1、VAR Plate Mounted Propeller Fans feature an extremely compact design. This low profile design optimizes airflow performance whilst minimizing noise generation. The fans are designed to be installed directly into walls, ceilings or panels.
- 2、Suitable for use within a wide range of residential, commercial (shops, offices, cafes/bars, warehouse premises and garages), agricultural ventilation and industrial ventilation (refrigeration equipment, air-conditioning equipment, OEM manufacture).
- 3、Five standard diameters are available.

- 4、Impellers are made of pressed steel and the hubs are made of aluminum.
- 5、Factory matched induction motor, Class E, IP44 (Standard) or optional IP54.
- 6、Frames and supporting arms are made of pressed steel.

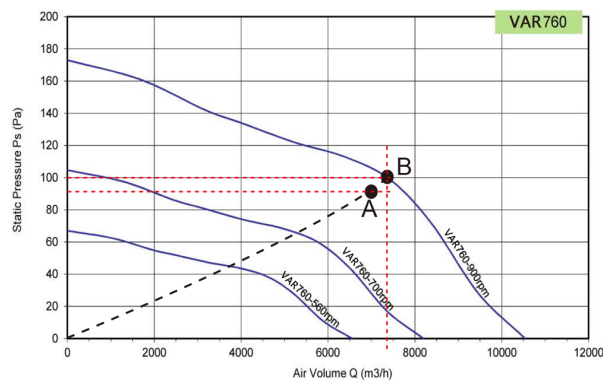


### Typical fan selection:

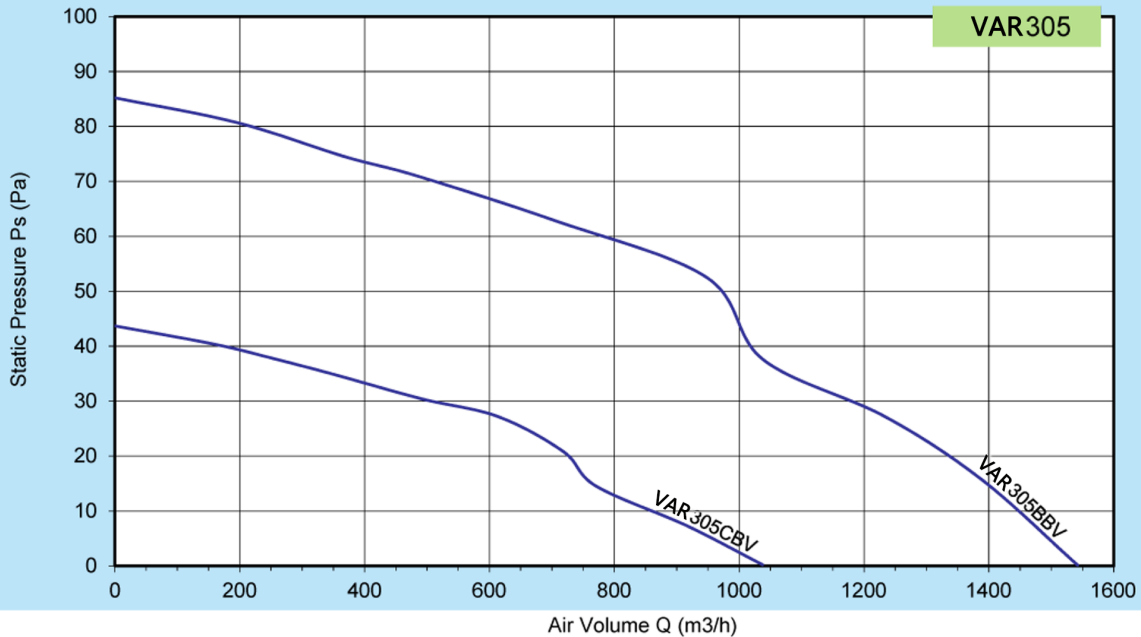
Typical Fan Selection.  
Please select fans within the curve and do not select above the curves

Example :Required air volume :  
7,000 m<sup>3</sup>/h @ 90 Pa.

1. Locate the point according to the required air flow. (A)
2. If the point lies between two curves, choose the curve above point A.
3. VAR760-900rpm is chosen. The working point of the fan is point B.
4. Fan working point is 7500m<sup>3</sup>/h at 100Pa.



# VAR SERIES PLATE MOUNTED PROPELLER FANS



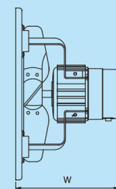
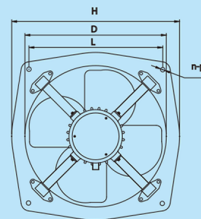
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m <sup>3</sup> /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

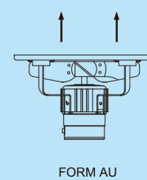
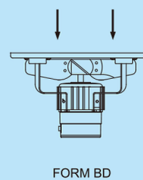
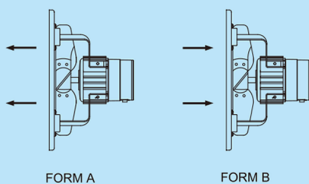
Performance certified is for installation type A - Free inlet, Free outlet with partition. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated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

## DIMENSION

Model	D	H	W(Max)	L	n-p
VAR305	326	387	210	310	4-9

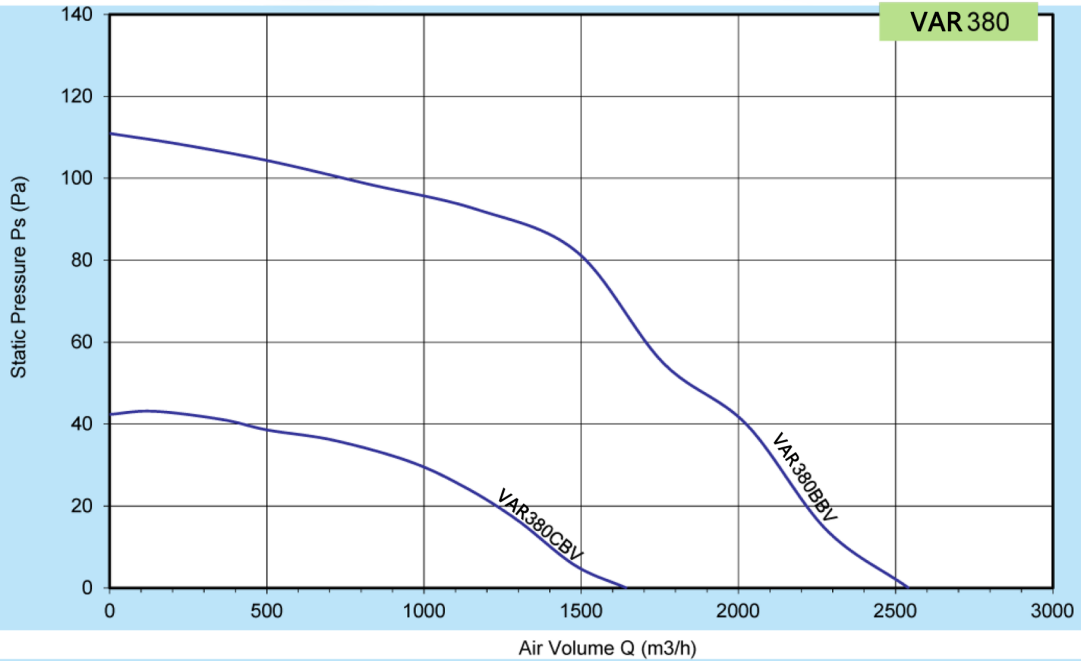


## FORM OF RUNNING VENTILATING FANS



Special bearing is required for these form of direction.

# VAR SERIES PLATE MOUNTED PROPELLER FANS



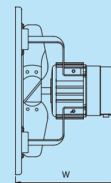
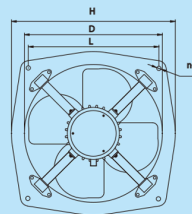
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m <sup>3</sup> /h)	Sound Power dB(A)
VAR 380 BBV	240	1	50	135	191	0.77	1326	2540	73
VAR 380 CBV	240	1	50	70	83	0.33	860	1640	62

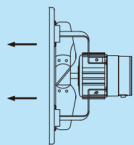
Performance certified is for installation type A - Free inlet, Free outlet with partition. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated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

## DIMENSION

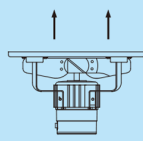
Model	D	H	W(Max)	L	n-p
VAR380	400	475	235	363	4-9



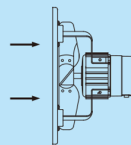
## FORM OF RUNNING VENTILATING FANS



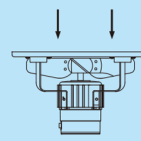
FORM A



FORM AU

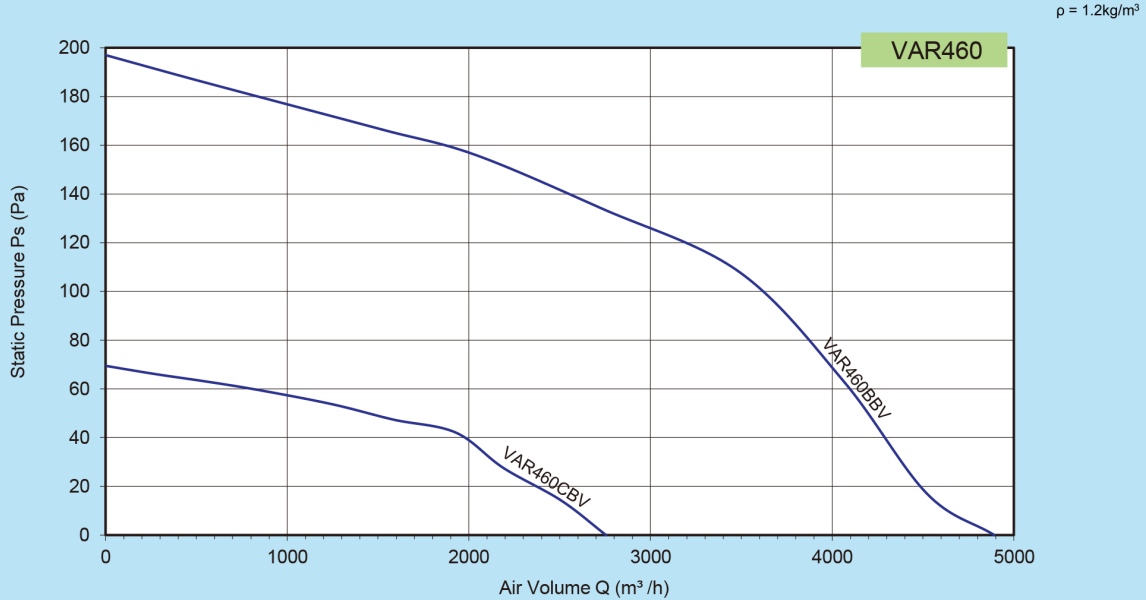


FORM B



FORM BD

# VAR SERIES PLATE MOUNTED PROPELLER FANS



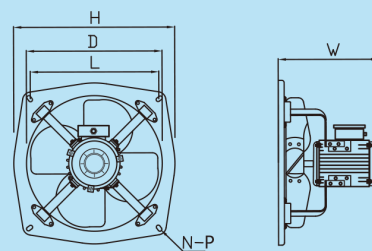
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m <sup>3</sup> /h)	Sound Power dB(A)
VAR460 BBV	240	1	50	317	462	1.87	1350	4890	83
VAR460 CBV	240	1	50	122	153	0.61	850	2750	68

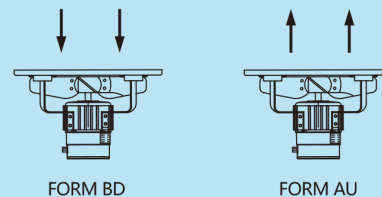
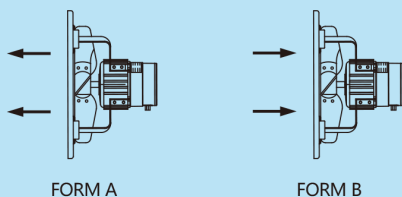
Performance certified is for installation type A - Free inlet, Free outlet with partition. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated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

## DIMENSION

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



## FORM OF RUNNING VENTILATING FANS

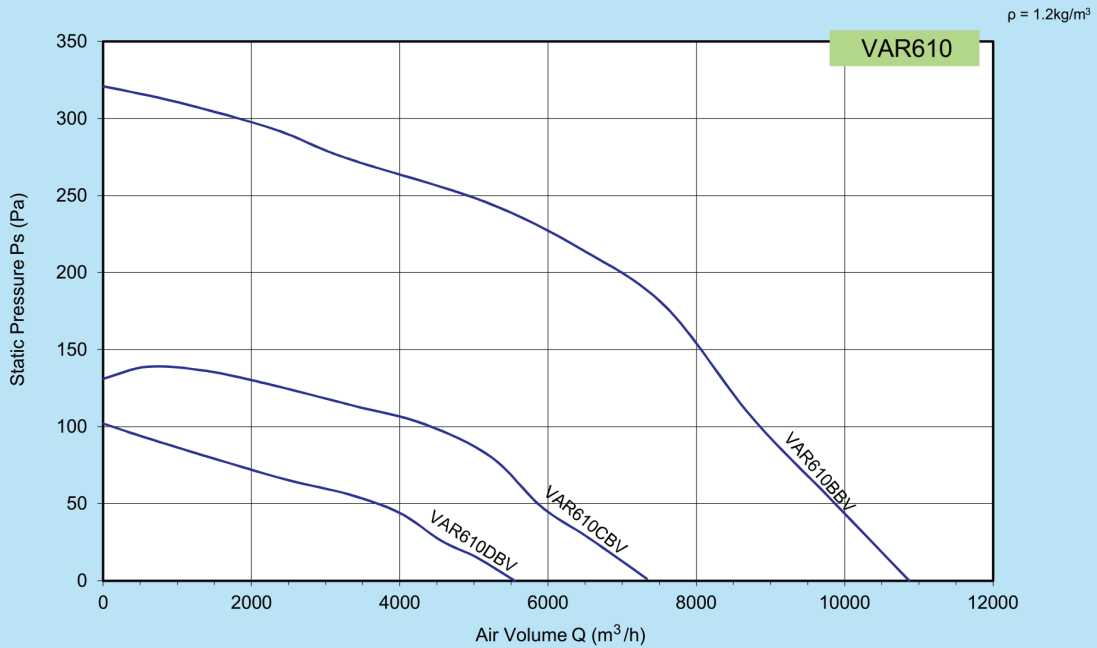


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# VAR SERIES PLATE MOUNTED PROPELLER FANS



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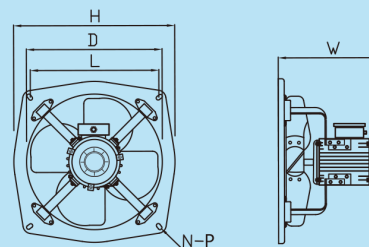
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m <sup>3</sup> /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

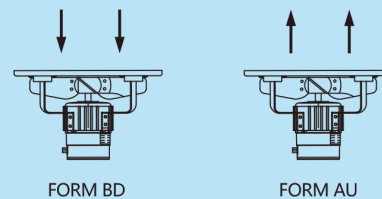
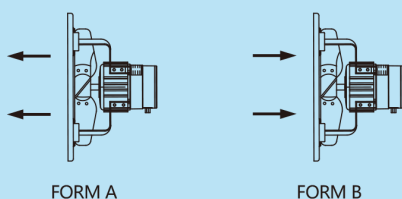
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International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

## DIMENSION

Model	D	H	W(Max)	L	N-P
VAR610	628	716	370	580	4-13

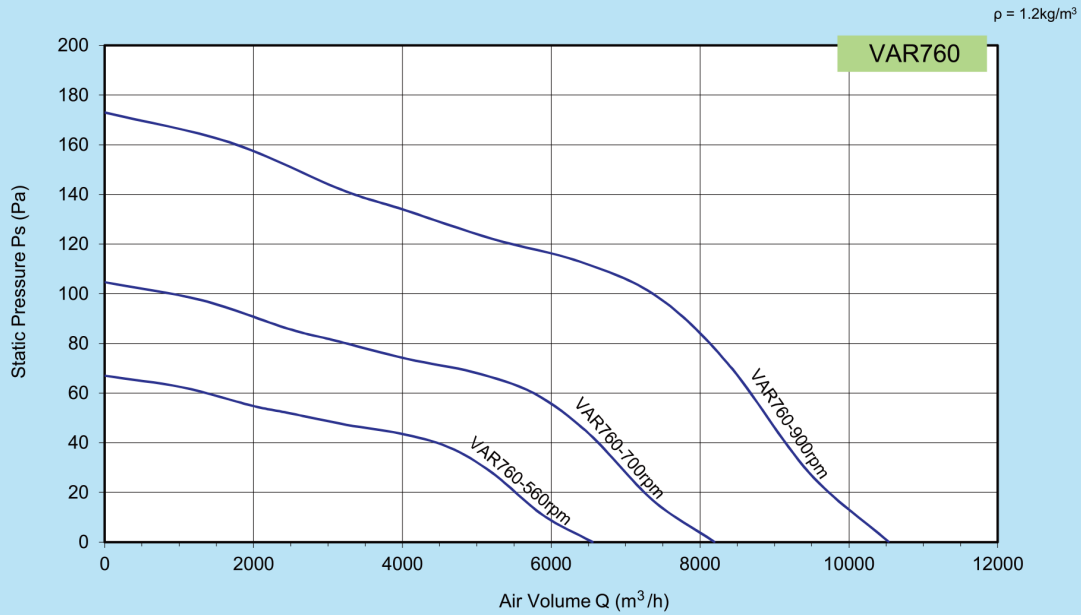


## FORM OF RUNNING VENTILATING FANS



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# VAR SERIES PLATE MOUNTED PROPELLER FANS



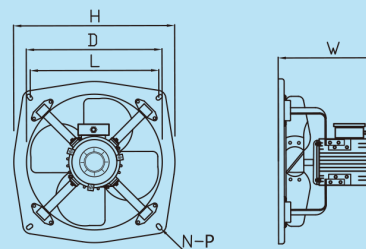
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Motor Power (W)	Max.Fan Input Power (W)	Max. Current (A)	Speed (rpm)	Max. Airflow (m <sup>3</sup> /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

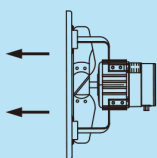
Performance certified is for installation type A - Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet Lwo(A) sound power levels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

## DIMENSION

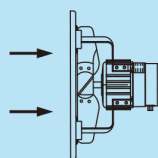
Model	D	H	W(Max)	L	N-P
VAR760	790	895	455	694	4-13



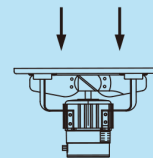
## FORM OF RUNNING VENTILATING FANS



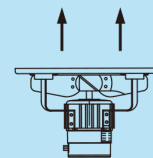
FORM A



FORM B



FORM BD

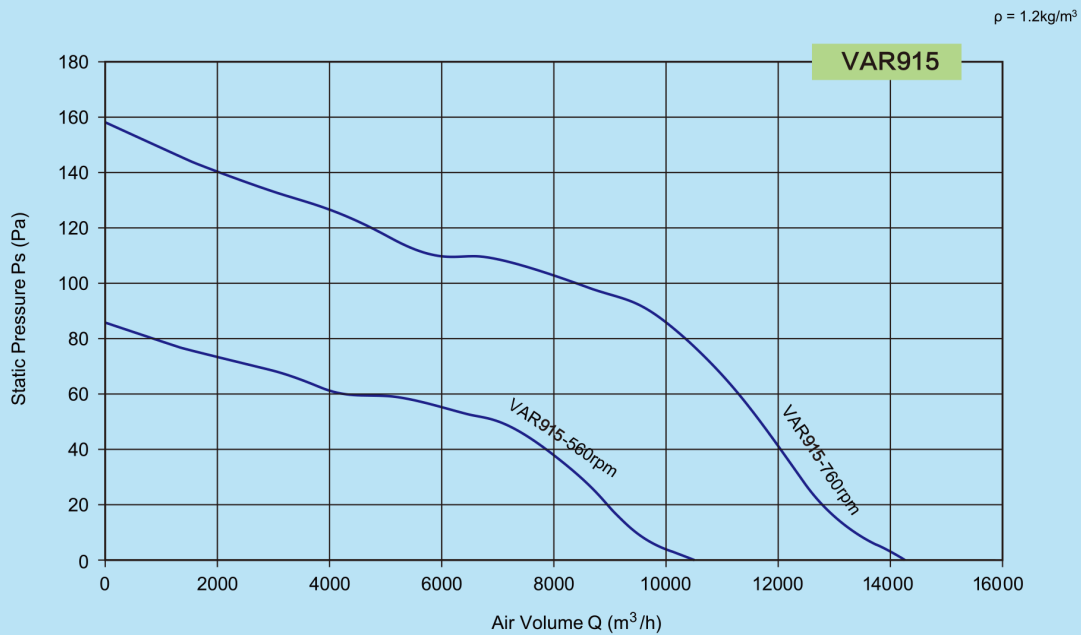


FORM AU



Special bearing is required for these form of direction.

# VAR SERIES PLATE MOUNTED PROPELLER FANS



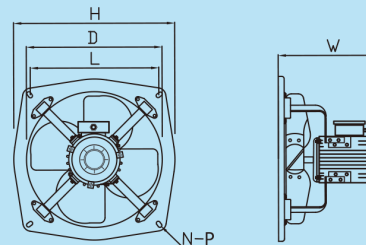
## TECHNICAL DATA

Model	Voltage (V)	Phase (Ph)	Freq. (Hz)	Rated Power (W)	Max. Mtr Input Watts (W)	Max. Current (A)	Speed (rpm)	Max. Airflow ( $\text{m}^3/\text{h}$ )	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

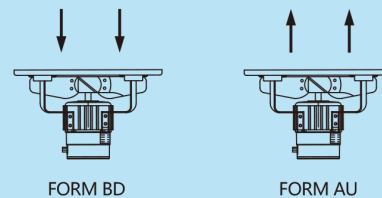
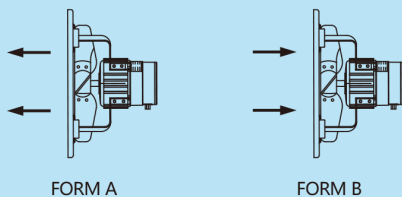
Performance certified is for installation type A - Free inlet, Free outlet. Speed (RPM) shown is normal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International 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
VAR915	946	1064	480	830	4-18



## FORM OF RUNNING VENTILATING FANS



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## WING TON FAN INDUSTRY LIMITED

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