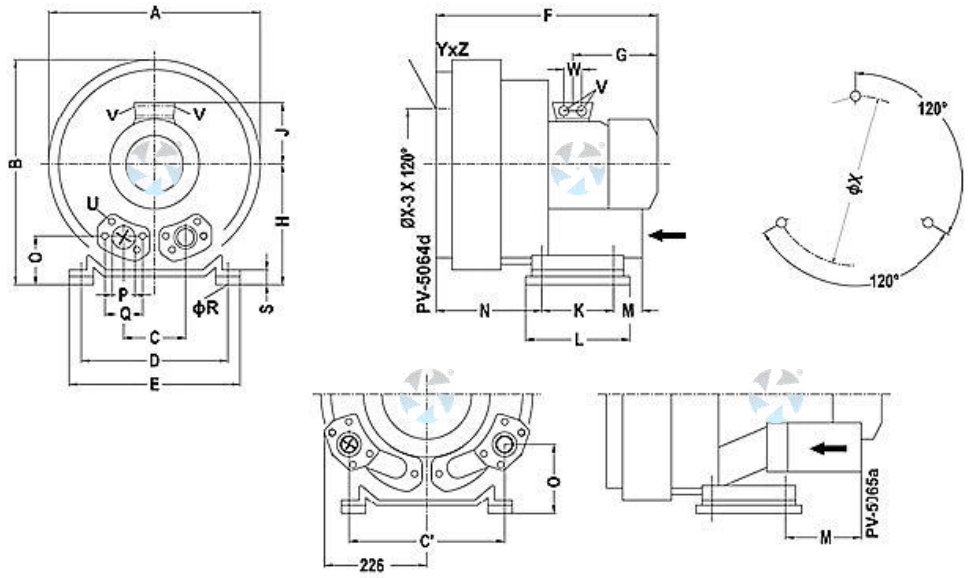
ESPECIFICACIONES TÉCNICAS

PW-8436

PUMPOWER®

REFERENCIA	PW-8436 DOS ETAPAS
POTENCIA	16,89 HP / 12,60 kW
TENSIÓN REQUERIDA / FRECUENCIA	220 V o 440 V a 60 Hz / TRIFÁSICO
NIVEL PRESIÓN ACÚSTICA	78 dB (A)
MÁXIMO FLUJO DE AIRE (Q.MAX)	1050 m^3/h
CAUDAL MÁXIMO (CFM)	618,01 pie^3/min
VACÍO MÁXIMO	-310 mBar
PRESIÓN MÁXIMA	350 mBar 5,08 psi 0,35 Bar 35,0 kPa
PROFUNDIDAD MAX.	3,4 m.c.a. [metro columna de agua]
VELOCIDAD	3530 rpm
DIÁMETROS: ENTRADA / SALIDA	2,5 pulg. X 2,5 pulg. $1\ pulg.$
AMP. CON CARGA	^{220V} 50,0 A / ^{440V} 29,0 A.
PESO	110 kg
DIMENSIONES CAJA	74 cm x 54 cm x 59 cm

Dimension for Side Channel Blower



Type	Phases	A	B	C	C'	D	E
PW-8436	3~	500	550	—	336	356	394
F	**G**	**H**	**J**	**K**	**L**	**M**	**N**
694	318	300	197	170	217	312	212
O	**P**	**ϕR**	**S**	**V**	**W**	**ϕX**	**Y_Z**
165	G 2 ½	15	66	4×M40×1.5	54	286	M12×20

X-Holes
0°/120°/240°

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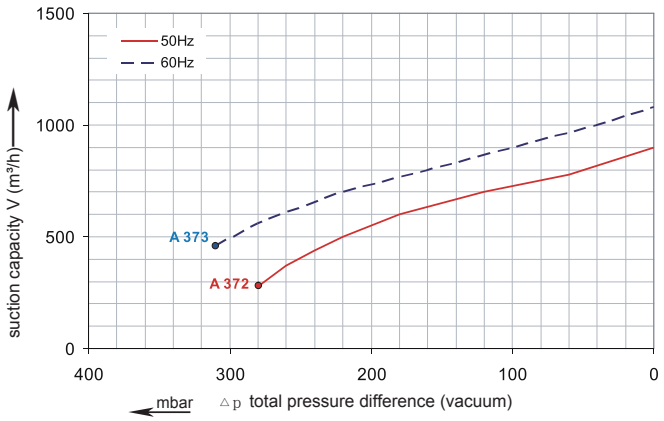
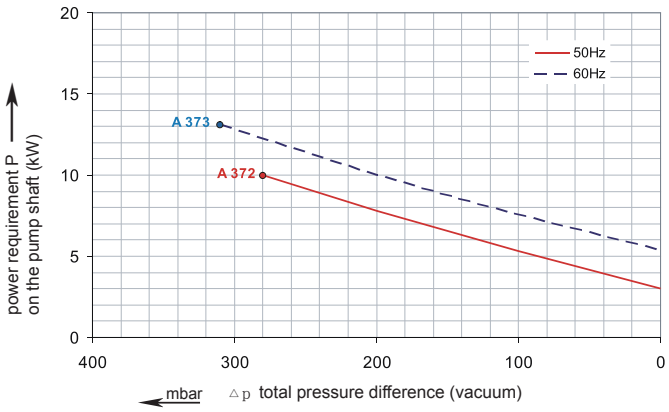
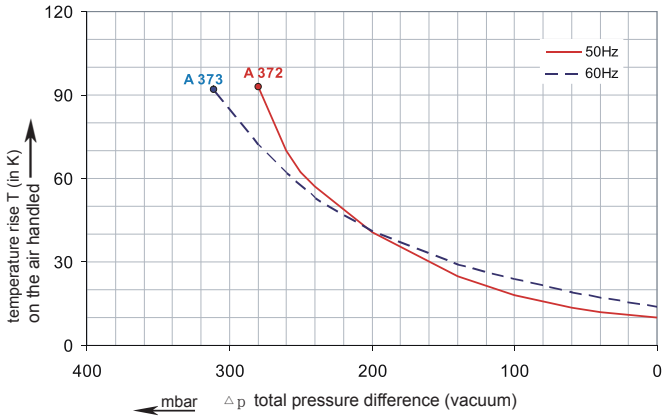
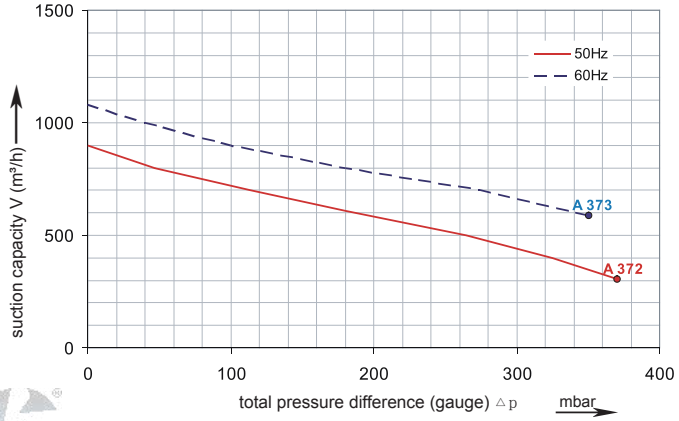
Performance curve for Vacuum pump

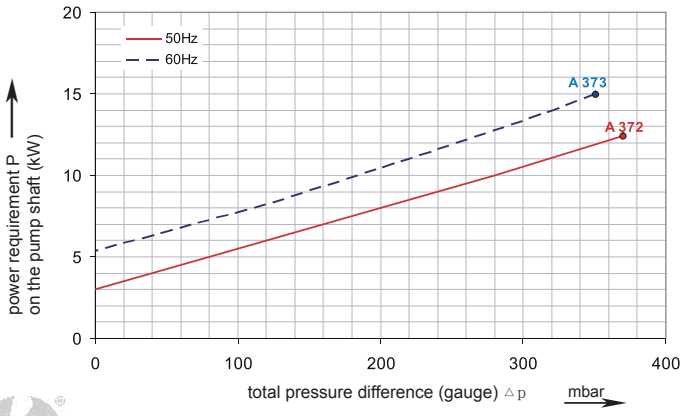


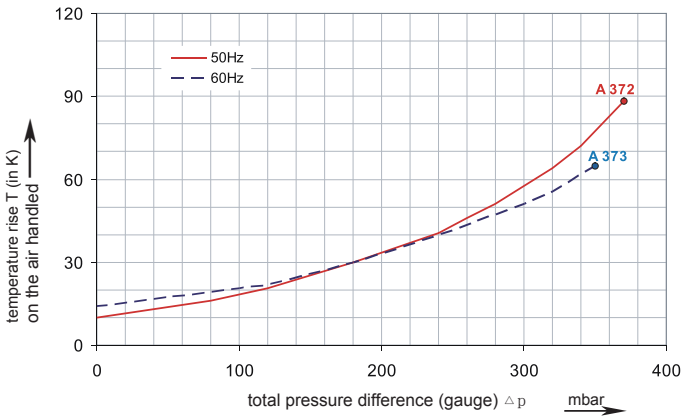




Performance curve for Compressor







The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 25 °C.
For other conditions please confer with us.

Each PW type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz and for protection category IP 55 as well as approbated for UL and CSA.

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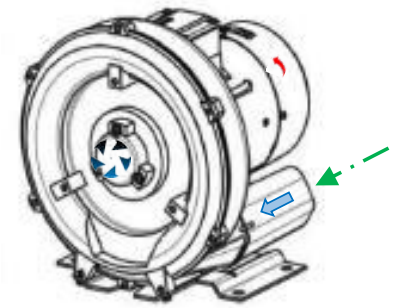
Selection and ordering data

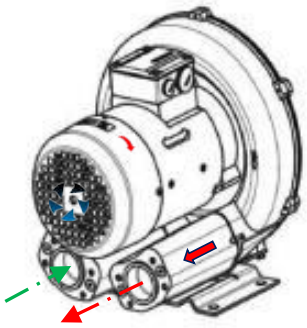
Type PW-8436

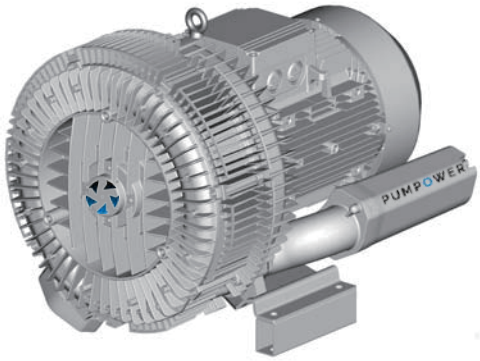
Curve No.	Order No.	Fre-quency Hz	Rated power kW	Input voltage V		Input current A		Permissible total differential pressure ²) Vacuum mbar	Permissible total differential pressure ²) Compressor mbar	Sound pressure level ³) dB(A)	Weight ca. kg
3~ 50/60 Hz IP55 isulation material class F 1)											
A 372	PW-8436	50	11.0	200D...240D	345Y...415Y	43.5D	28.0Y	-280	370	74	110
A 373	PW-8436	60	12.6	220D...250D	415Y...460Y	50.2D	29.0Y	-310	350	78	110

IN



OUT





Other voltage ranges		
		PW-8436 □ □
50Hz	60Hz	↑ ↑
3~		
185...225 V D/320...390 V Y	200...240 V D/345...415 V Y	H 1
200...240 V D/345...415 V Y	200...275 V D/380...480 V Y	H 6
345...415 V D	380...480 V D	H 7
500 V D	575VD	C 5

Machines according to the ATEX norm 94/4 EG are available for the whole performance range.
Following types available: Category 3 G, 3/2 G, 3 D and 3/2 D.

Further voltage range on request; please quote in plain text.

All PW achieve the standards and norms of the low voltage directive (LVD)2006/95/EC, rotating electrotechnical motor EN 60034-1-2004, electromagnetic compatibility(EMC)EN55014-1/2,EN61000-2/-3/-4/-6.

1) For standard UL for ELECTRIC MOTOR UL 1004-1.
2) Relief-valve are available for limiting differential pressure.
3) Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 1 m. The pump is throttled to an average suction pressure, a hose is connected to the discharge side (compressor) / suction side (vacuum pump), but is not fitted with relief valves.

The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.
The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maxium allowed pressure will be used for the continuousoperating then the allowed voltage range add to +/- 10 %.
For all single and three phase machines which designed according to the UL and CSA norm (UL 1004-1) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.
The frequency tolerance is maximum +/- 2 %.

PUMPOWER®

BLOWER INDUSTRIAL

- Fabricados con tecnología alemana.
- Equipos de caudal - alto flujo de aire [2.500 m^3/h].
- Equipos de alta presión [1.000 mBar].
- Libre de mantenimiento.
- Niveles de ruido bajo.
- Rodamientos originales de alta calidad.
- Funcionamiento libre de aceites, aire limpio.
- Fácil instalación.
- Precio competitivo.
- Diferentes diseños incluyendo una etapa, dos etapas y tres etapas.
- Garantía Amplia.
- Diferentes tipos de conexión: monofásica 110V - 220V, trifásica 220V - 440V.
- Algunas aplicaciones:
  - Oxigenación en estanques diseñados para la piscicultura, acuicultura y/o afines, en tierra y/o geomembrana.
  - Aireación y extracción de gases en la minería.
  - Secado de pintura automotriz.
  - Aspiradoras industriales para lavaderos de carros.
  - Oxigenación en plantas de tratamiento de aguas residuales.
  - Secado de papel.
  - Entre otros.

1. Tapa posterior del Blower.
2. Tapa delantera del Blower.
3. Conexión - ducto de succión/vacío.
4. Conexión - ducto de descarga/presión.
5. Base para instalación.
6. Flecha de dirección del transporte del fluido.
7. Flecha que indica el sentido de rotación.
8. Motor asíncrono.
9. Tapa del ventilador.
10. Caja de bornes/terminales.