



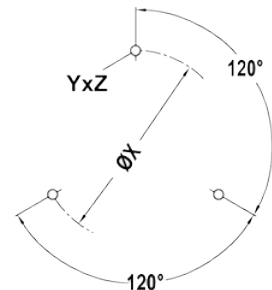
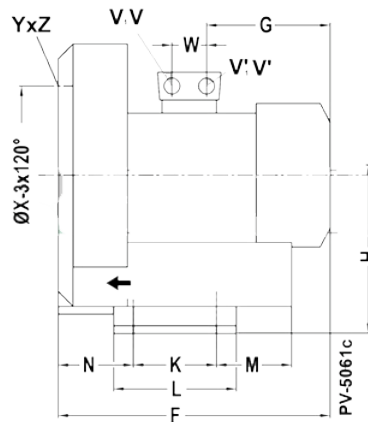
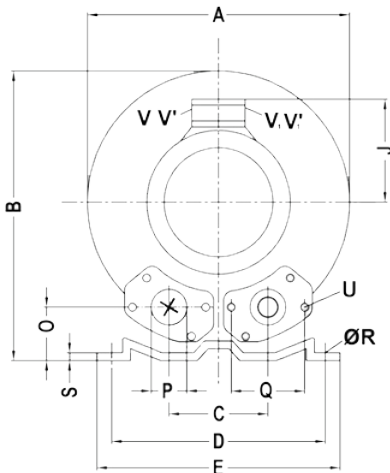
2HB 010

Selection and ordering data

Curve No.	Type	Frequency Hz	Rated power kW	Input voltage		Input current		Permissible total differential pressure ²⁾		Sound pressure level ³⁾ dB(A)	Weight ca. kg
				V	A	Vacuum mbar	Pressure mbar				
3~ 50/60 Hz IP55 insulation material class F 1)											
A 112	2HB 010-020T	50	0.2	200D ... 240D	345Y...415Y	1.75D	1.0Y	-80	90	46	5
A 113	2HB 010-020T	60	0.23	220D ... 275D	380Y...480Y	1.75D	1.0Y	-110	120	48	5
1~ 50/60 Hz IP55 with attached condenser for continuous operation											
A 110S	2HB 010-012S	50	0.12	230		1.2		-60	60	46	5
A 111S	2HB 010-012S	60	0.14	230		1.3		-60	60	48	5
A 112S	2HB 010-020S	50	0.2	230		1.5		-70	80	46	6
A 113S	2HB 010-020S	60	0.23	230		1.6		-90	100	48	6

Measurements mm

Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	U	V(1-)	V'(1-)	YxZ	Φx	W
2HB 010-020T	190	203	72	155	172	242	124	102	101	80	101	108	53	30	G1	46	8.5	M6x18	M16x1.5	M25x1.5	M6x20	115	29
2HB 010-012S	190	203	72	155	172	242	124	102	101	80	101	108	53	30	G1	46	8.5	M6x18	M16x1.5	M25x1.5	M6x20	115	29
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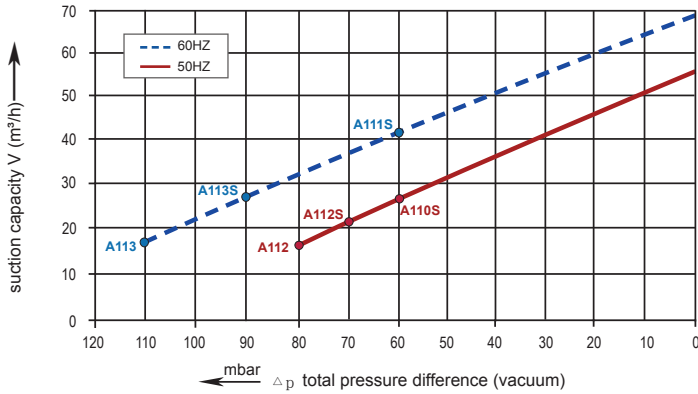
All blowers achieve the standards and norms of the low voltage directive (LVD)2006/95/EC, rotating electrotechnical motor EN 60034-1-2004, electromagnetic compatibility(EMC)EN55014-1/2,EN61000-2/-3/-4/-6.

- 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.

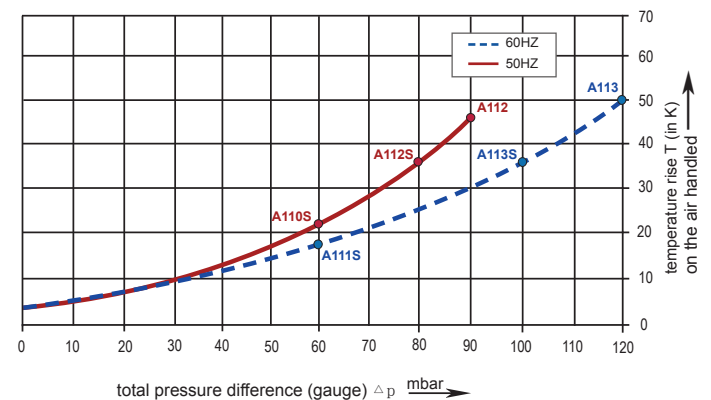
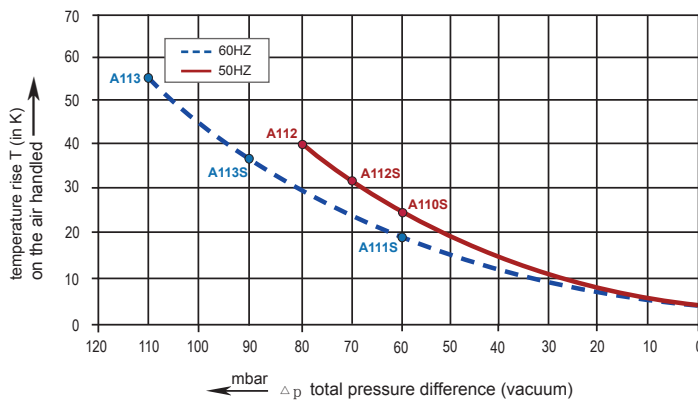
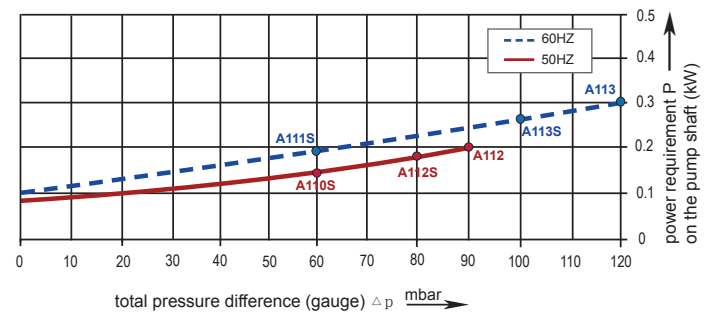
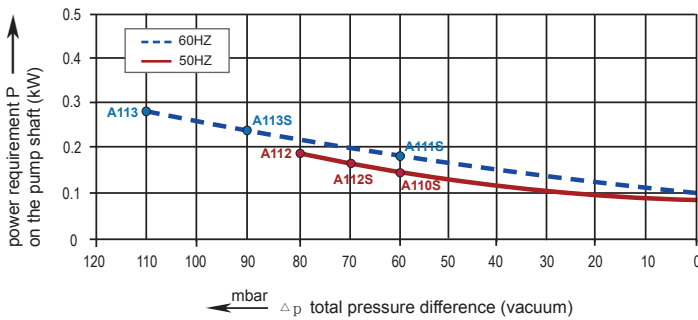
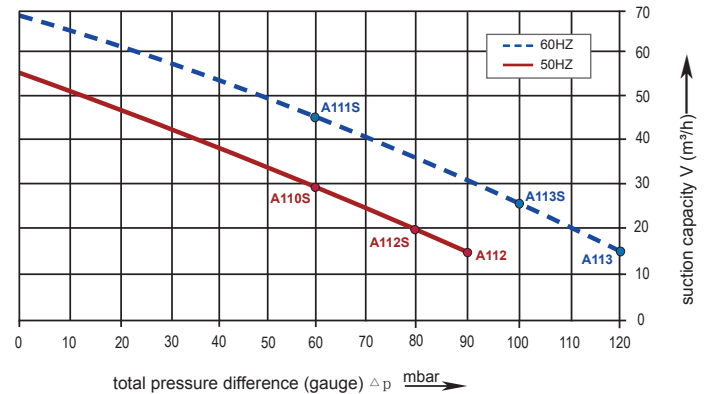
The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.
The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maximum allowed pressure will be used for the continuous operating 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 %.

2HB 010

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 blower 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 approved for UL and CSA.