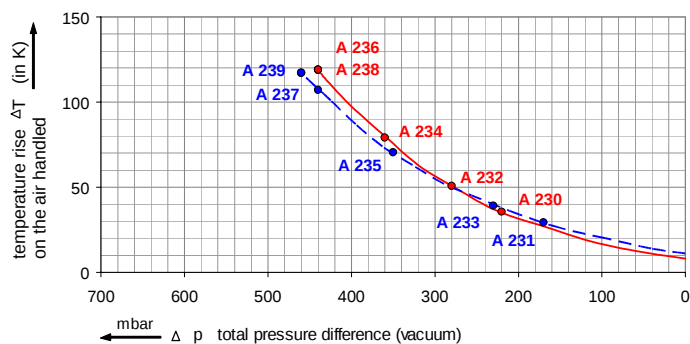
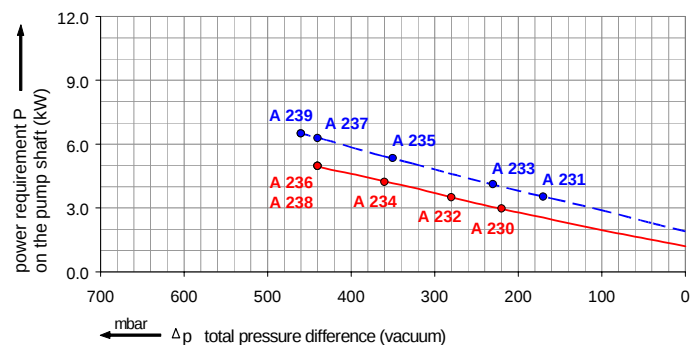
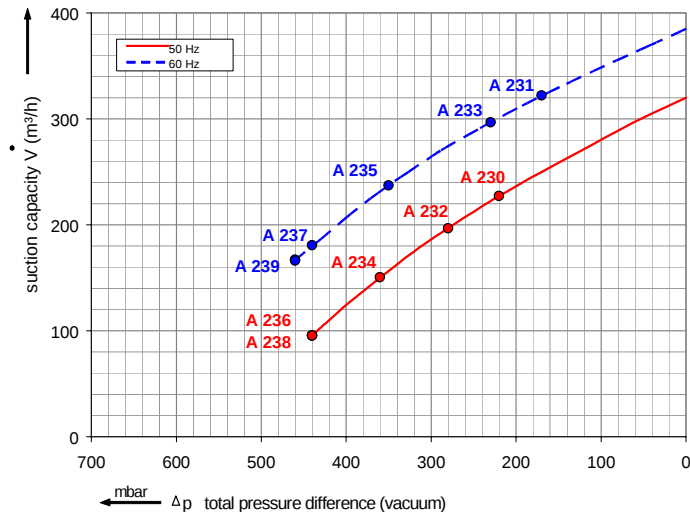


G-BH1

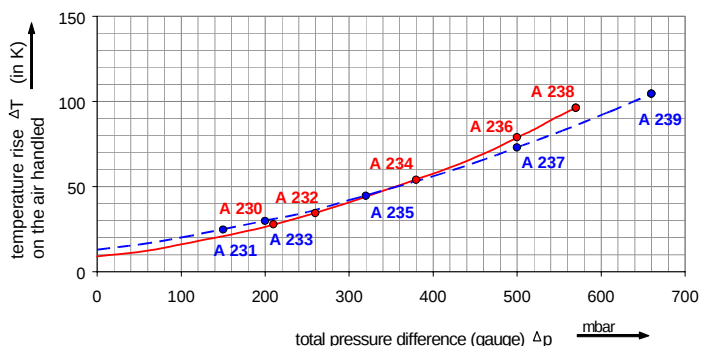
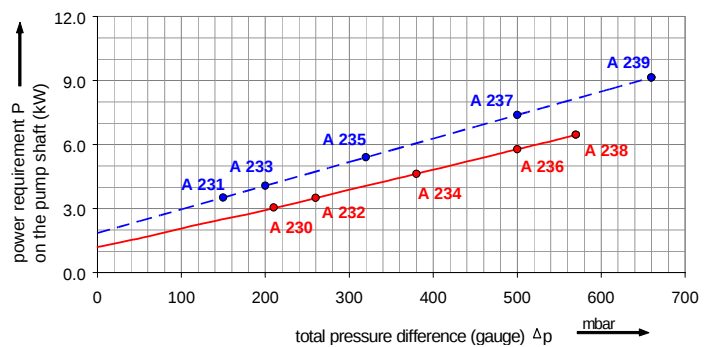
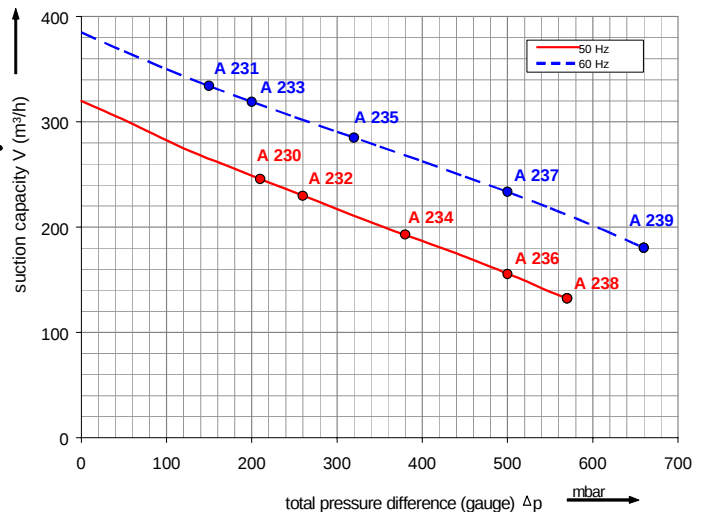
Performance curve for Vacuum pump



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.

2BH1 610

Performance curve for Compressor



Each G-BH1 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. Blowers with ATEX 94/9 EG are available, too.

Selection and ordering data

Type 2BH1 610

Curve No.	Order No.	Frequency	Rated power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
		Hz	kW	V	A	Vacuum mbar	Compressor mbar	dB(A)	kg

3~ 50/60 Hz IP55 isolation material class F 1)

A 230	2BH1610-7HH16	50	2.2	200D ... 240D	345Y ... 415Y	9.7D	5.6Y	-220	210	73	42
A 231	2BH1610-7HH16	60	2.55	220D ... 275D	380Y ... 480Y	10.3D	6.0Y	-170	150	76	42
A 232	2BH1610-7HH26	50	3.0	200D ... 240D	345Y ... 415Y	12.5D	7.2Y	-280	260	73	47
A 233	2BH1610-7HH26	60	3.45	220D ... 275D	380Y ... 480Y	12.6D	7.3Y	-230	200	76	47
A 234	2BH1610-7HH37	50	4.3	345D ... 415D		10.0D		-360	380	73	53
A 235	2BH1610-7HH37	60	4.8	380D ... 480D		10.4D		-350	320	76	53
A 236	2BH1610-7HH47	50	5.5	345D ... 415D		13.3D		-440	500	73	70
A 237	2BH1610-7HH47	60	6.3	380D ... 480D		13.3D		-440	500	76	70
A 238	2BH1610-7HH57	50	7.5	345D ... 415D		16.7D		-440	570	73	77
A 239	2BH1610-7HH57	60	8.6	380D ... 480D		17.3D		-460	660	76	77



Other voltage ranges

2BH1610-7H ☐ . ☐

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	220...275 V D / 380...480 V Y	H 6
345...415 V D	380...480 V D	H 7
500 V D	575 V D	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 G-BH1 achieve the standards and norms of the low voltage directive 72/23/EWG, rotating electrotechnical motor EN 60034-1-34, electromagnetic compatibility (EMC) DIN EN 61000-3/-6/-4.

¹⁾ For standard UL for ELECTRIC FANS UL 507 and CSA 22.2 No. 13 for Fans and Ventilators (Certificate Number E225239).

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 (vacuum pump) / suction side (compressor), 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 %.

The frequency tolerance is maximum +/- 2 %.

Changes in particular the quoted performance curve, data and weights without prior notice. The figures are without obligations.

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Denver**

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