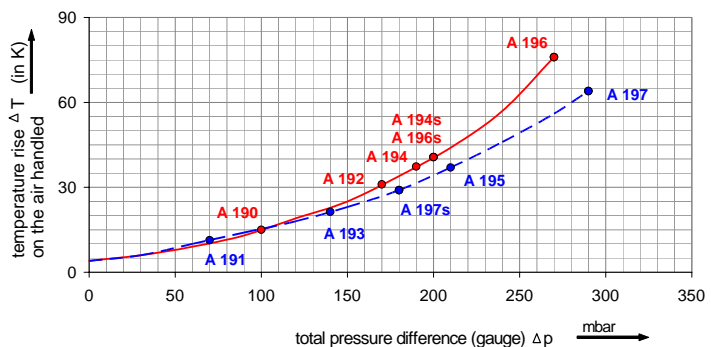
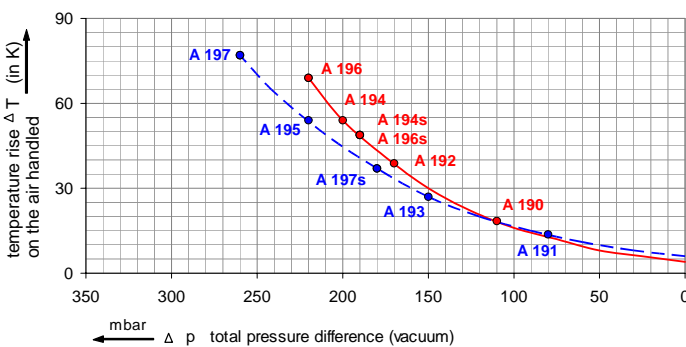
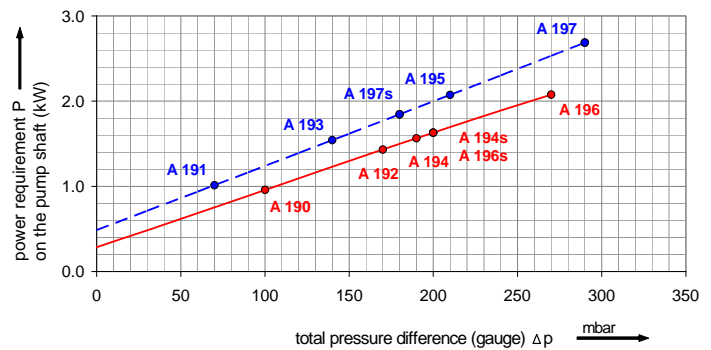
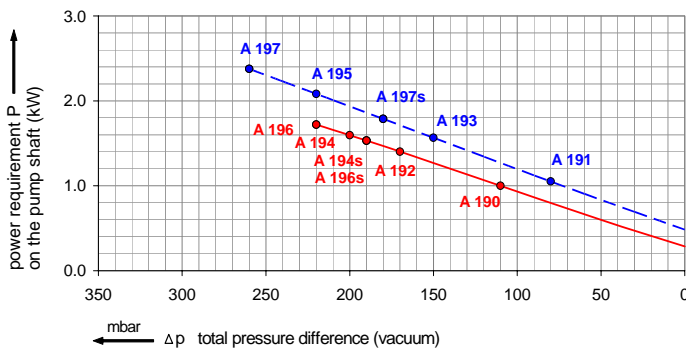
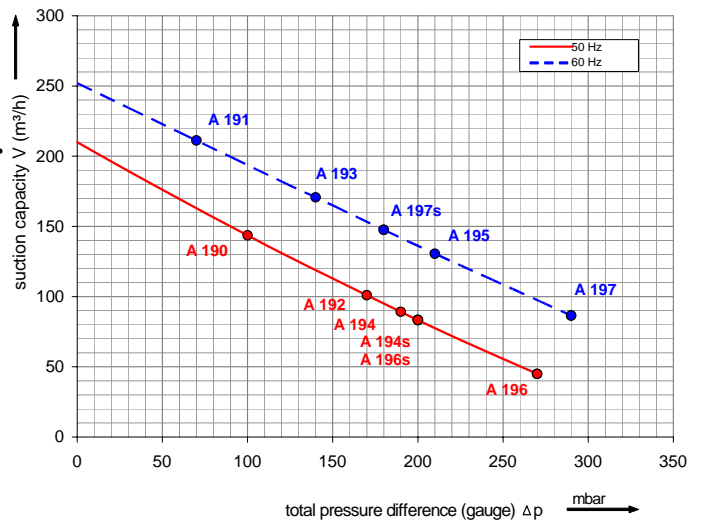
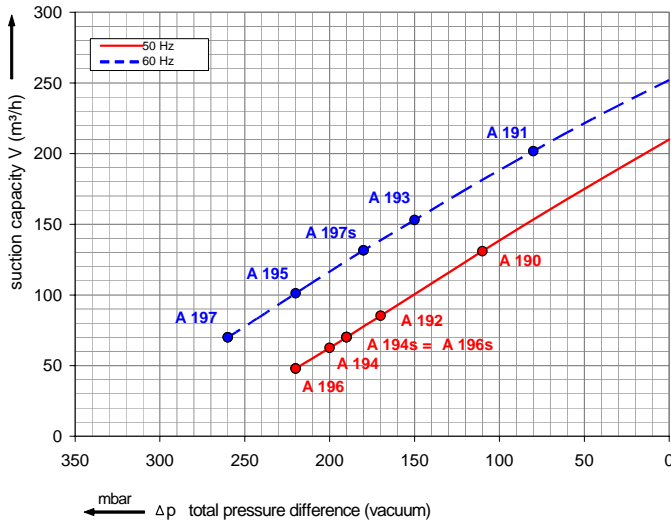


G-BH1

Performance curve for Vacuum pump

2BH1 500

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 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 500

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

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

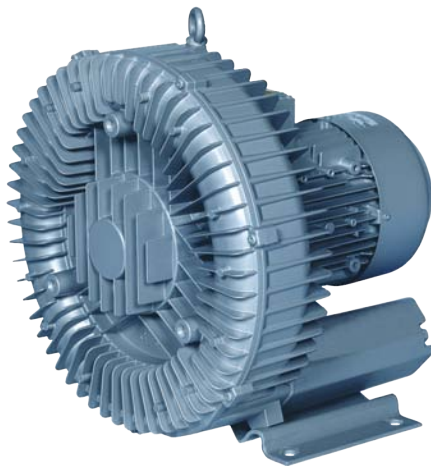
A 190	2BH1500-7AH06	50	0.85	200D ... 240D	345Y ... 415Y	4.2D	2.4Y	-110	100	64	18
A 191	2BH1500-7AH06	60	0.95	220D ... 275D	380Y ... 480Y	4.0D	2.3Y	-80	70	70	18
A 192	2BH1500-7AH16	50	1.3	200D ... 240D	345Y ... 415Y	5.7D	3.3Y	-170	170	64	20
A 193	2BH1500-7AH16	60	1.5	220D ... 275D	380Y ... 480Y	5.7D	3.3Y	-150	140	70	20
A 194	2BH1500-7AH26	50	1.6	200D ... 240D	345Y ... 415Y	7.5D	4.3Y	-200	190	64	21
A 195	2BH1500-7AH26	60	2.1	220D ... 275D	380Y ... 480Y	7.6D	4.4Y	-220	210	70	21
A 196	2BH1500-7AH36	50	2.2	200D ... 240D	345Y ... 415Y	9.7D	5.6Y	-220	270	64	25
A 197	2BH1500-7AH36	60	2.55	220D ... 275D	380Y ... 480Y	10.3D	6.0Y	-260	290	70	25

1- 50/60 Hz IP55 with attached condenser for continuous operation

A 196s	2BH1500-7AV34	50	1.5	100	200	22.0	11.0	-190	200	64	26
A 197s	2BH1500-7AV34	60	1.75	100	200	24.0	12.0	-180	180	70	26
A 196s	2BH1500-7AV35	50	1.5	115	230	22.0	11.0	-190	200	64	26
A 197s	2BH1500-7AV35	60	1.75	115	230	24.0	12.0	-180	180	70	26

1- 50 Hz IP55 with attached condenser for continuous operation

A 194s	2BH1500-7AA21	50	1.5	230		9.0		-190	200	64	21
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Other voltage ranges

2BH1500-7A .

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.

1-		
100 / 200 V	100 / 200 V	V 4
115 / 230 V	115 / 230 V	V 5
230 V	---	A 1

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.

- For standard UL for ELECTRIC FANS UL 507 and CSA 22.2 No. 13 for Fans and Ventilators (Certificate Number E225239).
- Relief-valve are available for limiting differential pressure.
- 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 %.

For all single and three phase machines which designed according to the UL and CSA norm (UL 507 and CSA 22.2 No. 100) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.

The frequency tolerance is maximum +/- 2 %.

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

**Gardner
Denver**

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