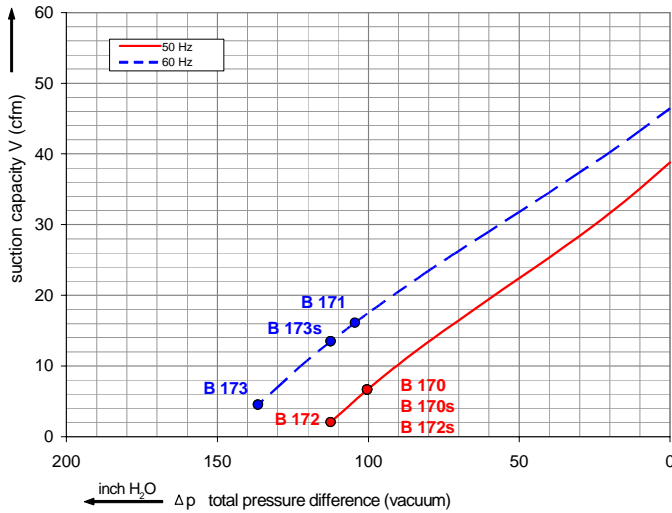


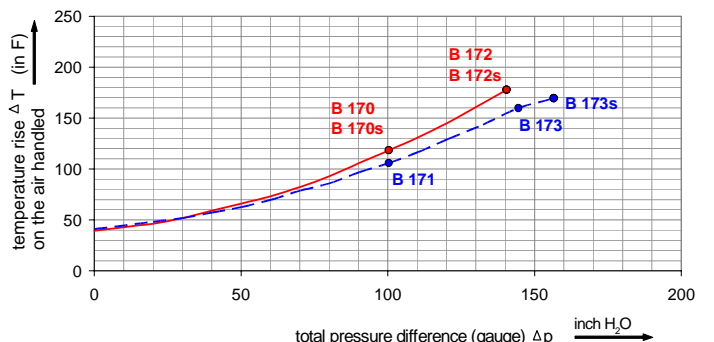
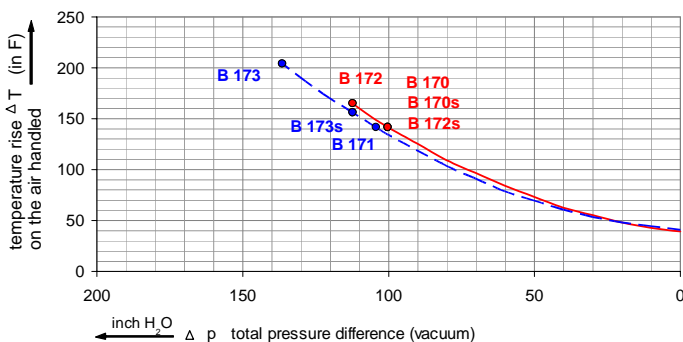
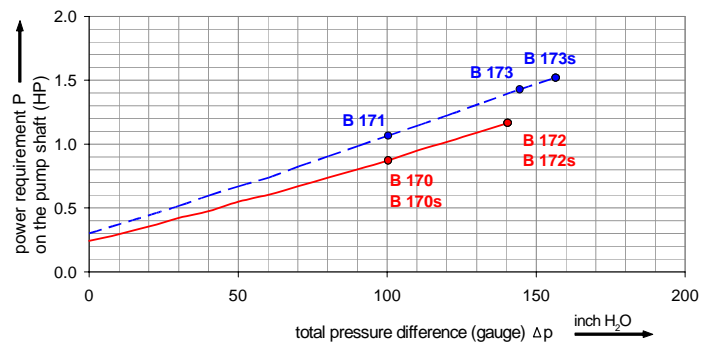
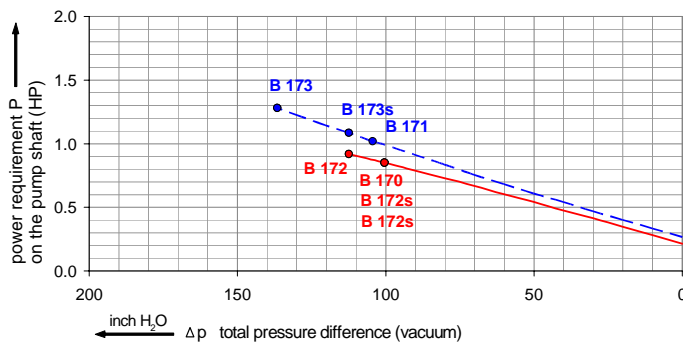
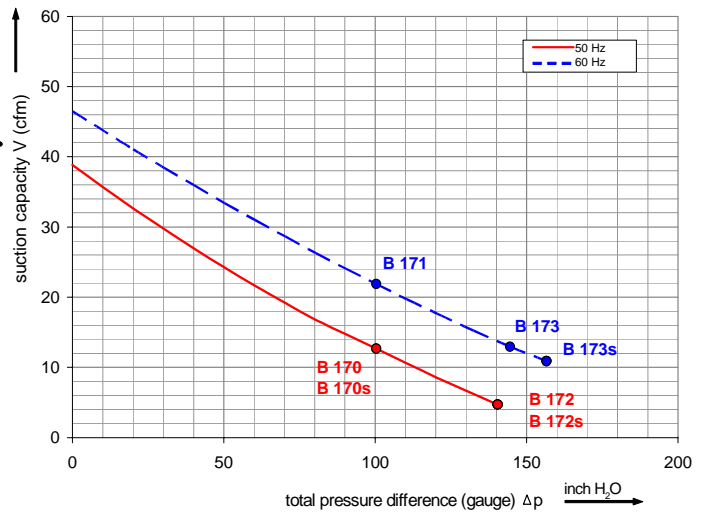
G-BH7

Performance curve for Vacuum pump



2BH7 310

Performance curve for Compressor



The performance curves are based on air at a temperature of 59 F and an atmospheric pressure of 401.53 inch H₂O with a tolerance of +/- 10%. The total pressure differences are valid for suction and ambient temperatures up to 77 F. For other conditions please confer with us.

Each G-BH7 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 2BH7 310

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	HP	V		A		inch H ₂ O	inch H ₂ O	dB(A)	lbs

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

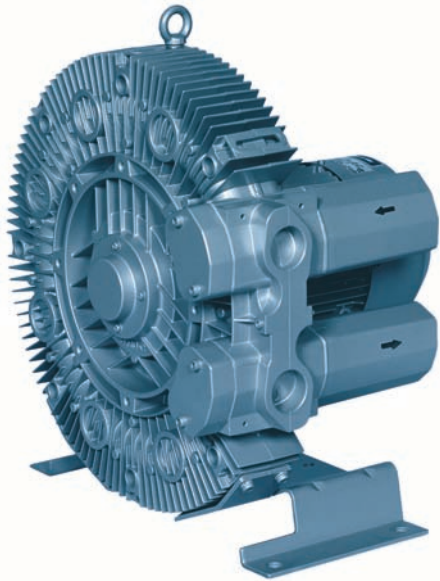
B 170	2BH7310-0AH16-7	50	0.74	200D ... 240D	345Y ... 415Y	2.8 D	1.6Y	-100	100	57	35
B 171	2BH7310-0AH16-7	60	0.84	220D ... 275D	380Y ... 480Y	3.0 D	1.7Y	-104	100	62	35
B 172	2BH7310-0AH26-7	50	1.09	200D ... 240D	345Y ... 415Y	4.0 D	2.3Y	-112	141	57	37
B 173	2BH7310-0AH26-7	60	1.26	220D ... 275D	380Y ... 480Y	4.0 D	2.3Y	-136	145	62	37

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

B 172s	2BH7310-0AV74-7	50	1.26	100	200	18.1	9.1	-100	141	57	40
B 173s	2BH7310-0AV74-7	60	1.47	100	200	24.8	12.4	-112	157	62	40
B 172s	2BH7310-0AV75-7	50	1.26	115	230	15.2	7.6	-100	141	57	40
B 173s	2BH7310-0AV75-7	60	1.47	115	230	18.0	9.0	-112	157	62	40

1- 50 Hz IP55 with attached condenser for continuous operation

B 170s	2BH7310-0AA71-7	50	1.26	230		9.0		-100	100	57	40
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Other voltage ranges

2BH7310-0A .

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-BH7 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 3.28 ft. 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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