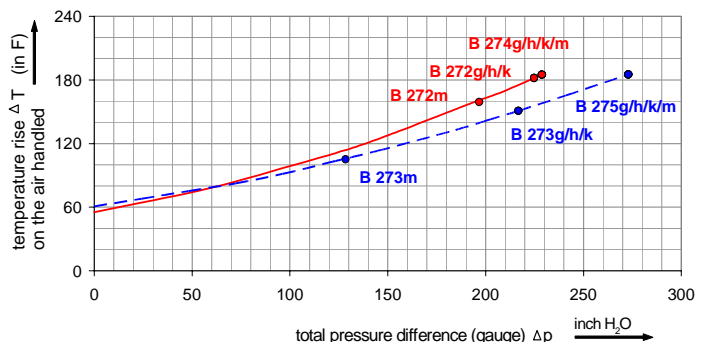
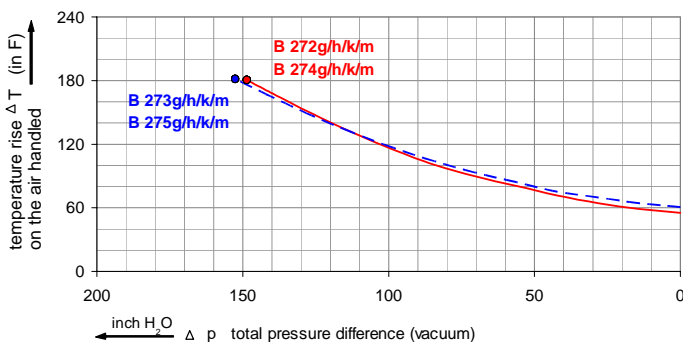
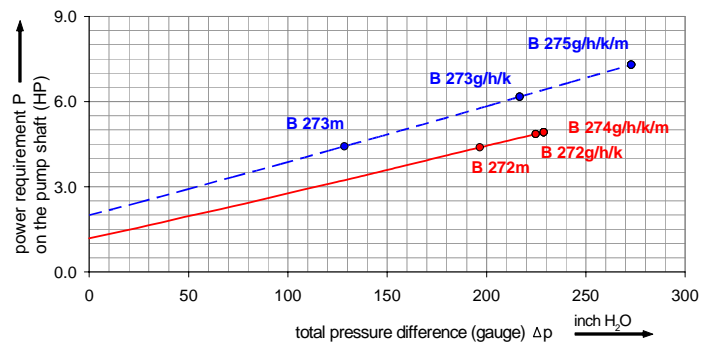
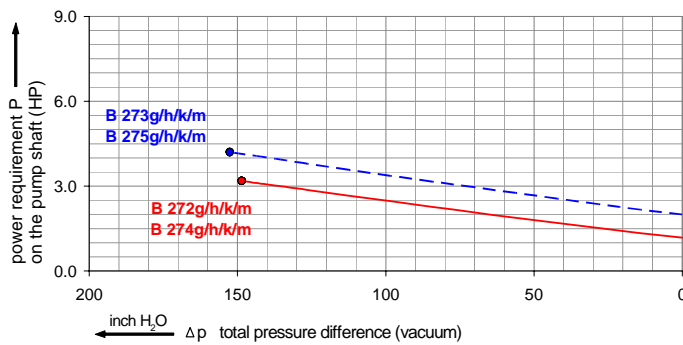
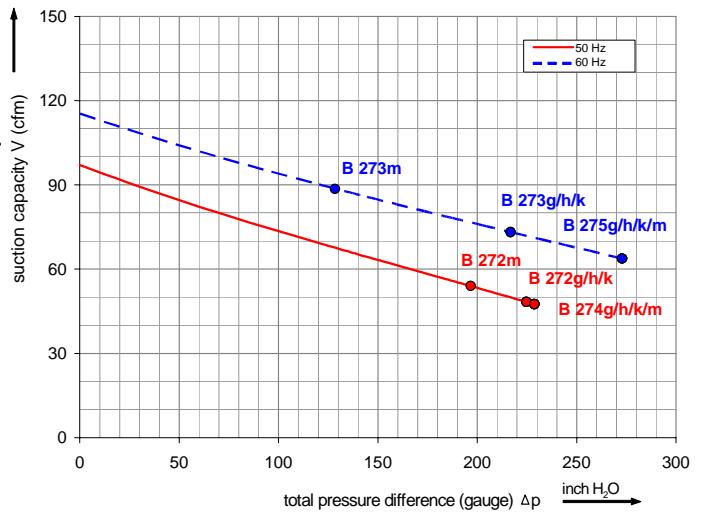
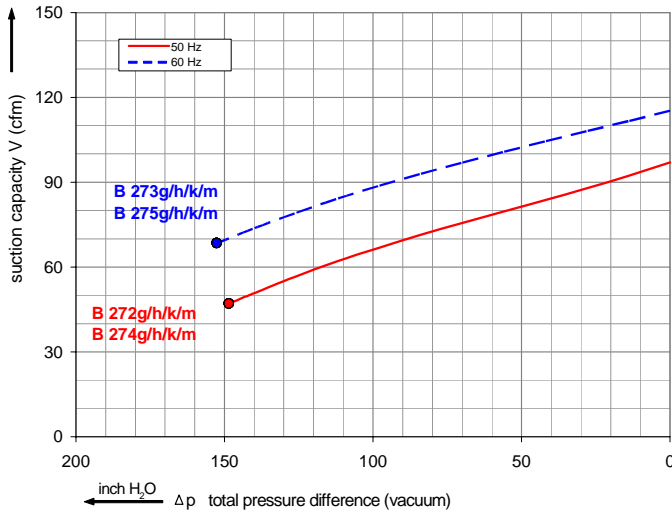


G-BH7

Performance curve for Vacuum pump

2BH7 620 ATEX - Version

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. Blowers with ATEX 94/9 EG are available for the category 3D, 3G, 3/2D as well as 3/2G. The motors are available as standard for the input voltage of 50 and 60 Hz and for protection category IP 55 (IP 65 for category 3/2D). For the category 3/2G are only available blowers with the input voltage 50 and 60 Hz, respectively.

Selection and ordering data

Type 2BH7 620

Curve No.	Order No.	Fre- quency	Rated power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
						Vacuum inch H2O	Compressor inch H2O		
		Hz	HP	V	A			dB(A)	lbs

ATEX-Category: 3D (Order-Option M35)

3- 50/60 Hz, IP55, insulation material class F, temperature class T3

B 272g	2BH7620-0AD46-8-Z	50	5.36	400D	690Y	7.8D	4.5Y	-149	225	68	130
B 273g	2BH7620-0AD46-8-Z	60	6.17	460D		7.6D		-153	217	72	130
B 274g	2BH7620-0AD66-8-Z	50	10.05	400D	690Y	13.8D	8.0Y	-149	229	69	172
B 275g	2BH7620-0AD66-8-Z	60	11.53	460D		13.5D		-153	273	73	172

ATEX-Category: 3G (Order-Option: M72)

3- 50/60 Hz, IP55, insulation material class F, temperature class T3

B 272h	2BH7620-0AD46-8-Z	50	5.36	400D	690Y	7.8D	4.5Y	-149	225	68	130
B 273h	2BH7620-0AD46-8-Z	60	6.17	460D		7.6D		-153	217	72	130
B 274h	2BH7620-0AD66-8-Z	50	10.05	400D	690Y	13.8D	8.0Y	-149	229	69	172
B 275h	2BH7620-0AD66-8-Z	60	11.53	460D		13.5D		-153	273	73	172

ATEX-Category: 3/2D (Order-Option: M34)

3- 50/60 Hz, IP65, insulation material class F, temperature class T3

B 272k	2BH7620-0AD46-8-Z	50	5.36	400D	690Y	7.8D	4.5Y	-149	225	68	130
B 273k	2BH7620-0AD46-8-Z	60	6.17	460D		7.6D		-153	217	72	130
B 274k	2BH7620-0AD66-8-Z	50	10.05	400D	690Y	13.8D	8.0Y	-149	229	69	172
B 275k	2BH7620-0AD66-8-Z	60	11.53	460D		13.5D		-153	273	73	172

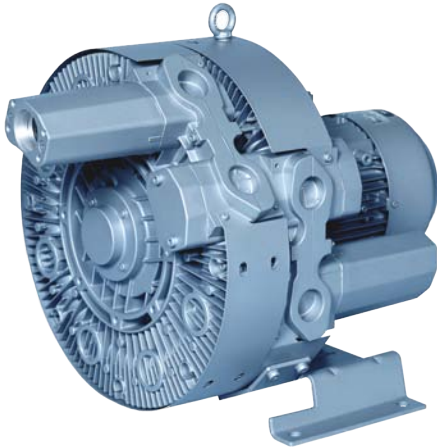
ATEX-Category: 3/2G (Order-Option: M71)

3- 50 Hz, IP55, insulation material class F, temperature class T3

B 272m	2BH7620-0AD41-8-Z	50	4.42	230D	400Y	10.7D	6.7Y	-149	197	68	126
B 274m	2BH7620-0AD66-8-Z	50	7.37	400D	690Y	10.4D	6.0Y	-149	229	69	163

3- 60 Hz, IP55, insulation material class F, temperature class T3

B 273m	2BH7620-0AG41-8-Z	60	4.42		460Y		6.1Y	-153	128	72	126
B 275m	2BH7620-0AG66-8-Z	60	7.37	460D		9.6D		-153	273	73	163



Other voltage ranges

2BH7620-0A □ . □ -Z

50Hz 60Hz



3- ATEX

Category 3D, 3G and 3/2D

230 V D / 400 V Y	460 V Y	D 1
500 V D	575 V D	D 5
400 V D / 690 V Y	460 V D	D 6

Category 3/2G

230 V D / 400 V Y	---	D 1
500 V D	---	D 5
400 V D / 690 V Y	---	D 6
---	460 V Y	G 1
---	575 V D	G 5
---	460 V D	G 6

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.

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 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.

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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