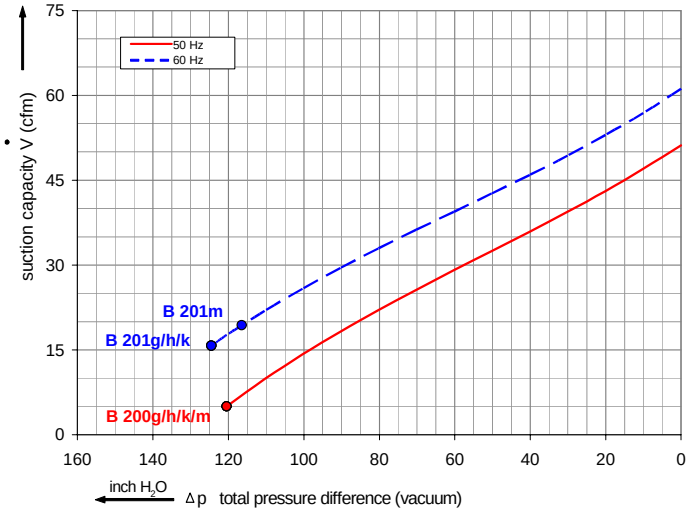
Elmo Rietschle
A Gardner Denver Product

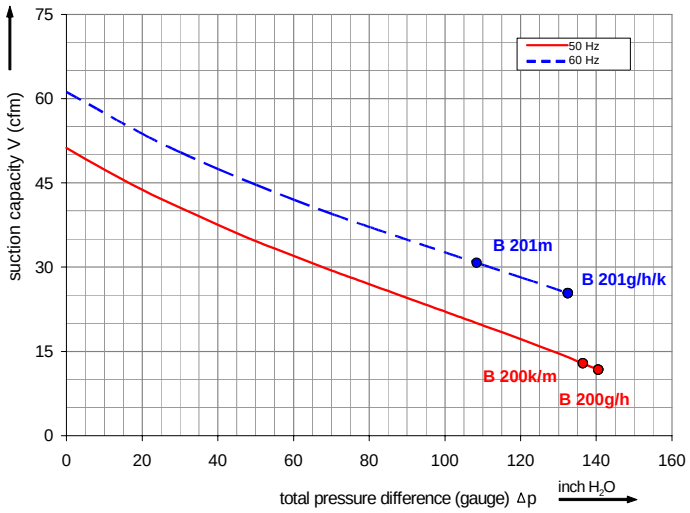
G-BH7

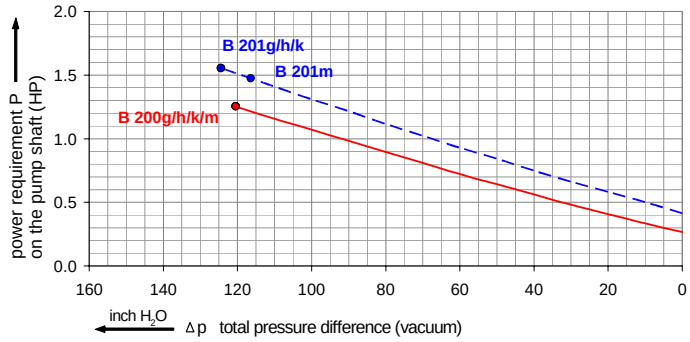
2BH7 410
ATEX - Version

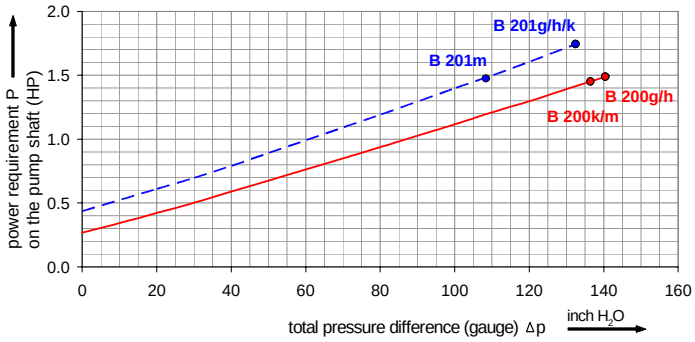
Performance curve for Vacuum pump

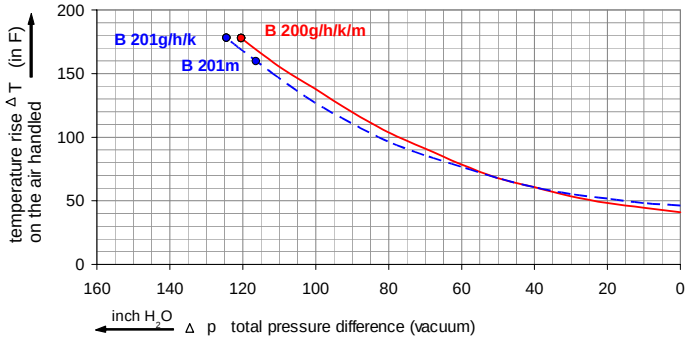


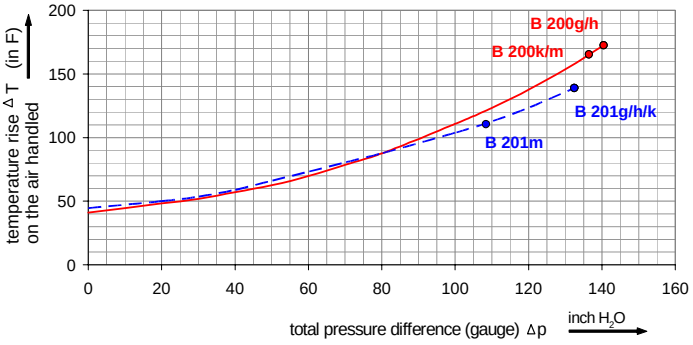
Performance curve for Compressor











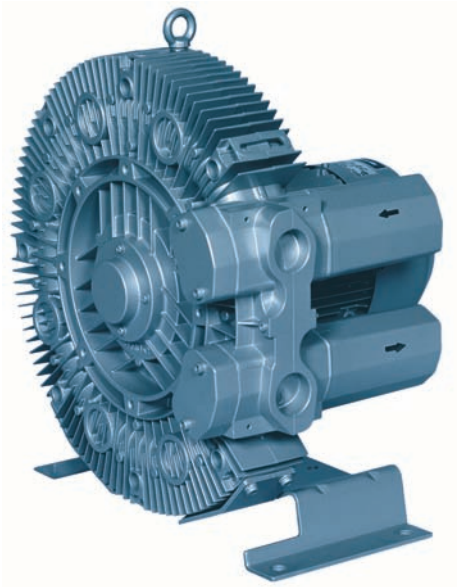
The performance curves are based on air at a temperature of 59 F and an atmospheric pressure of 401.53 inch H2O with a tolerance of +/- 10 %.
The total pressure differences are valid for suction and ambient temperatures up to 77 F.
For other conditions please confer with us.

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 410

Curve No.	Order No.	Fre-quency	Rated power	Input voltage		Input current		Permissible total differential pressure [2]		Sound pressure level [3]	Weight ca.
								Vacuum	Compressor		
		Hz	HP	V		A		inch H2O	inch H2O	dB(A)	lbs
ATEX-Category: 3D (Order-Option M35)											
3~ 50/60 Hz, IP55, isulation material class F, temperature class T3											
B 200g	2BH7410-0AD11-7-Z	50	1.47	230D	400Y	4.2 D	2.4Y	-120	141	58	51
B 201g	2BH7410-0AD11-7-Z	60	1.74		460Y		2.4Y	-124	132	62	51
ATEX-Category: 3G (Order-Option: M72)											
3~ 50/60 Hz, IP55, isulation material class F, temperature class T3											
B 200h	2BH7410-0AD11-7-Z	50	1.47	230D	400Y	4.2 D	2.4Y	-120	141	58	51
B 201h	2BH7410-0AD11-7-Z	60	1.74		460Y		2.4Y	-124	132	62	51
ATEX-Category: 3/2D (Order-Option: M34)											
3~ 50/60 Hz, IP65, isulation material class F, temperature class T3											
B 200k	2BH7410-0AD11-7-Z	50	1.47	230D	400Y	4.2 D	2.4Y	-120	136	58	51
B 201k	2BH7410-0AD11-7-Z	60	1.74		460Y		2.4Y	-124	132	62	51
ATEX-Category: 3/2G (Order-Option: M71)											
3~ 50 Hz, IP55, isulation material class F, temperature class T3											
B 200m	2BH7410-0AD11-7-Z	50	1.47	230D	400Y	4.33D	2.5Y	-120	136	58	51
3~ 60 Hz, IP55, isulation material class F, temperature class T3											
B 201m	2BH7410-0AG11-7-Z	60	1.47		460Y		2.3Y	-116	108	62	51



Other voltage ranges

		2BH7410-0A □ . □-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 %.

Gardner Denver

Elmo Rietschle is a brand of the Gardner Denver Blower Division

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