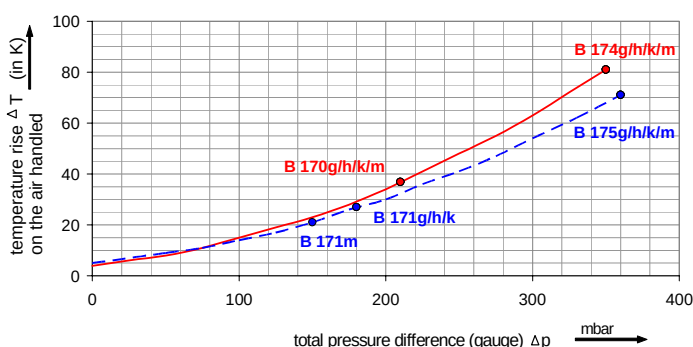
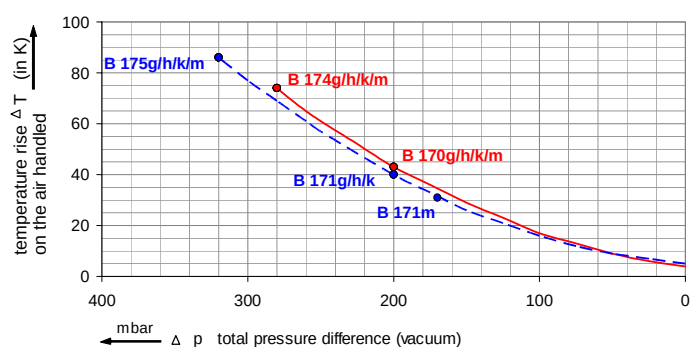
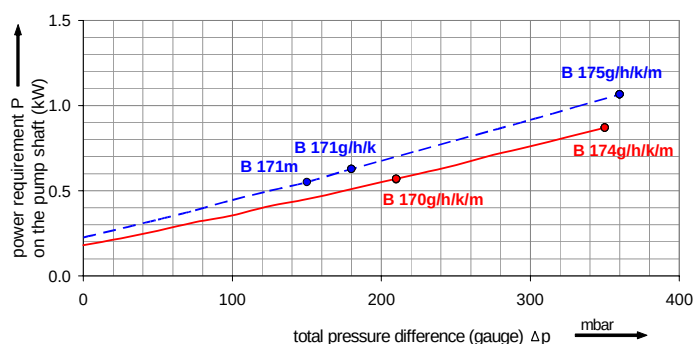
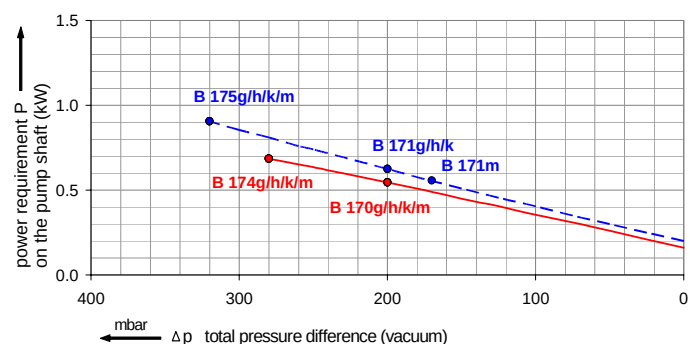
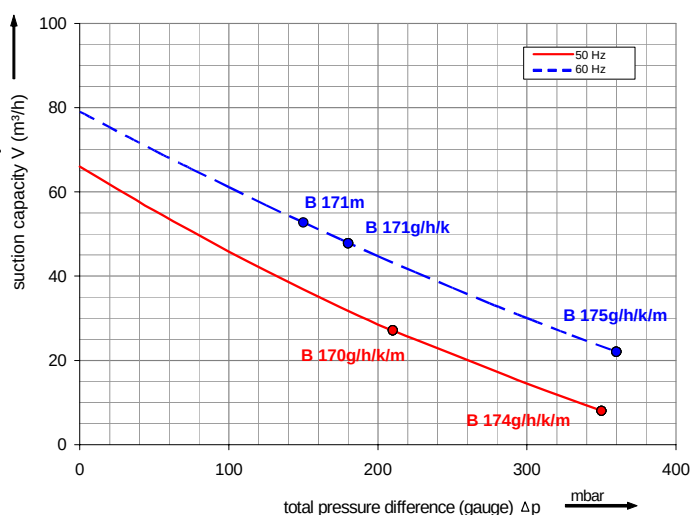
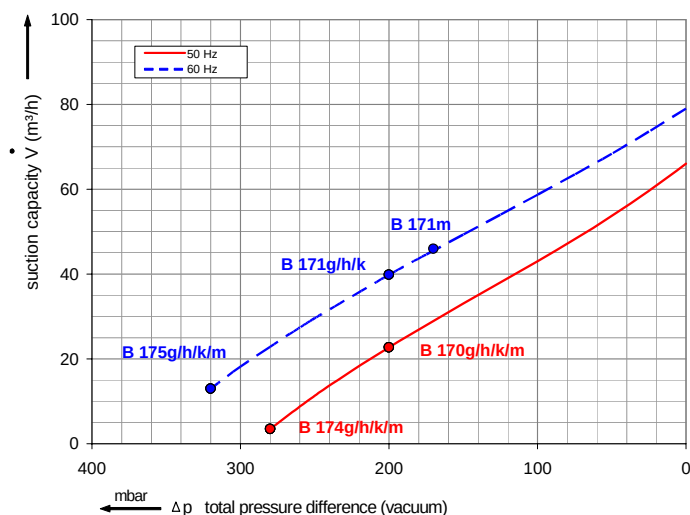


G-BH7

Performance curve for Vacuum pump

2BH7 310 ATEX - Version

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-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 310

Curve No.	Order No.	Fre- quency	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

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

3~ 50/60 Hz, IP55, isolation material class F, temperature class T3

B 170g	2BH7310-0AD11-7-Z	50	0.55	230D	400Y	2.36D	1.36Y	-200	210	57	16
B 171g	2BH7310-0AD11-7-Z	60	0.63		460Y		1.36Y	-200	180	62	16
B 174g	2BH7310-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-280	350	57	21
B 175g	2BH7310-0AD41-7-Z	60	1.3		460Y		2.4 Y	-320	360	62	21

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

3~ 50/60 Hz, IP55, isolation material class F, temperature class T3

B 170h	2BH7310-0AD11-7-Z	50	0.55	230D	400Y	2.36D	1.36Y	-200	210	57	16
B 171h	2BH7310-0AD11-7-Z	60	0.63		460Y		1.36Y	-200	180	62	16
B 174h	2BH7310-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-280	350	57	21
B 175h	2BH7310-0AD41-7-Z	60	1.3		460Y		2.4 Y	-320	360	62	21

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

3~ 50/60 Hz, IP65, isolation material class F, temperature class T3

B 170k	2BH7310-0AD11-7-Z	50	0.55	230D	400Y	2.36D	1.36Y	-200	210	57	16
B 171k	2BH7310-0AD11-7-Z	60	0.63		460Y		1.36Y	-200	180	62	16
B 174k	2BH7310-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-280	350	57	21
B 175k	2BH7310-0AD41-7-Z	60	1.3		460Y		2.4 Y	-320	360	62	21

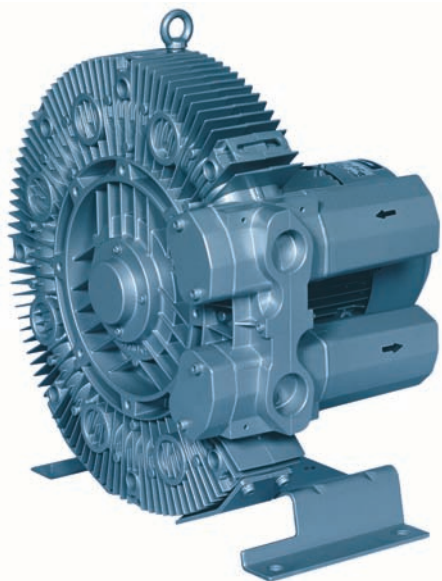
ATEX-Category: 3/2G (Order-Option: M71)

3~ 50 Hz, IP55, isolation material class F, temperature class T3

B 170m	2BH7310-0AD11-7-Z	50	0.55	230D	400Y	2.43D	1.4 Y	-200	210	57	17
B 174m	2BH7310-0AD41-7-Z	50	1.1	230D	400Y	4.33D	2.5 Y	-280	350	57	21

3~ 60 Hz, IP55, isolation material class F, temperature class T3

B 171m	2BH7310-0AG11-7-Z	60	0.55		460Y		1.27Y	-170	150	62	17
B 175m	2BH7310-0AG41-7-Z	60	1.1		460Y		2.3 Y	-320	360	62	21



Other voltage ranges

2BH7310-0A □ . □ -Z

50Hz	60Hz	↑ ↑
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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 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. The frequency tolerance is maximum +/- 2 %.

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

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Denver**

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