

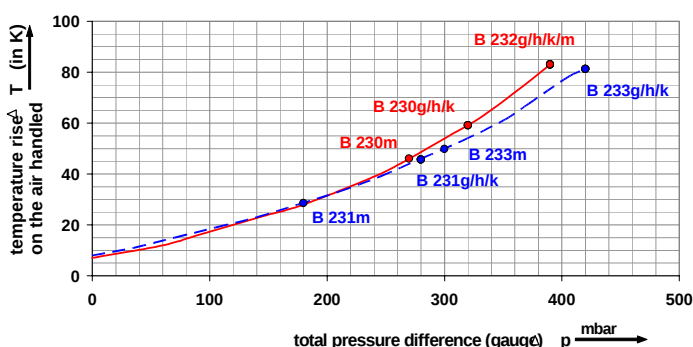
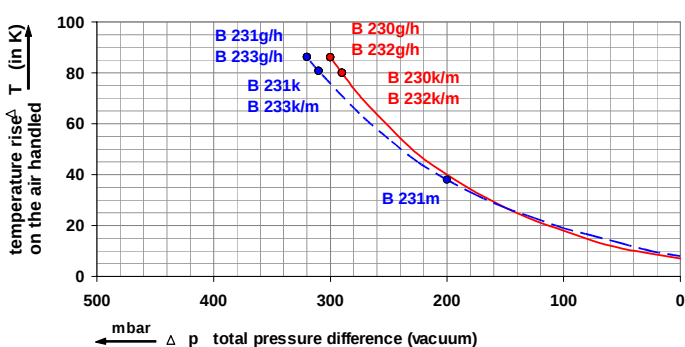
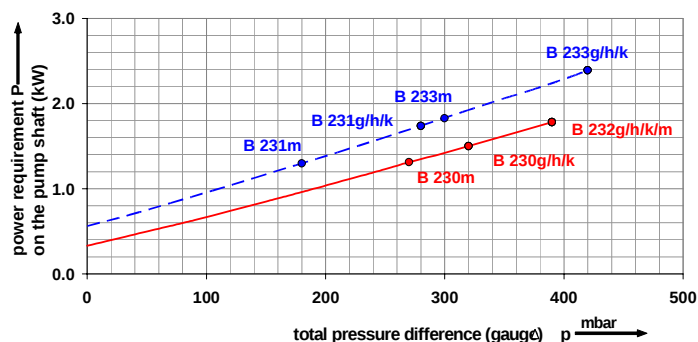
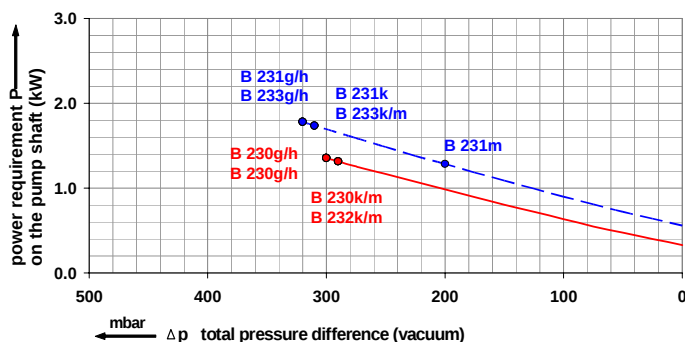
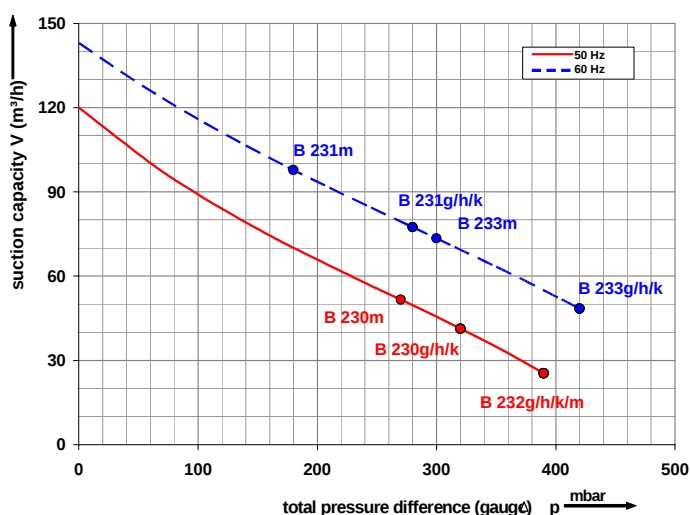
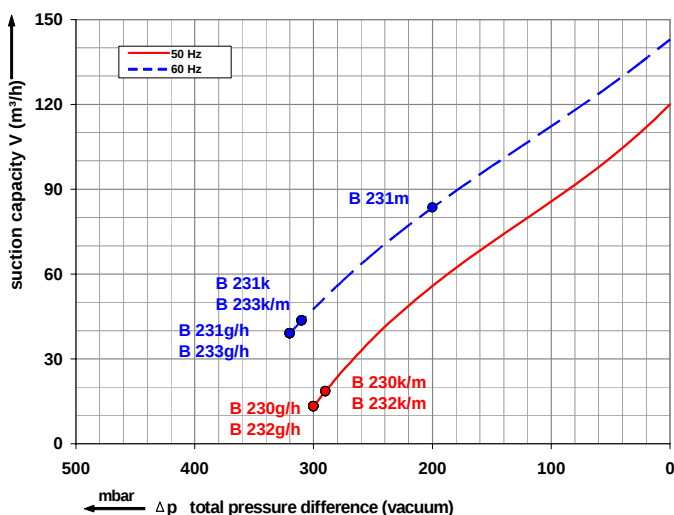
G-BH7

Performance curve for Vacuum pump

2BH7 510

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 510

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, insulation material class F, temperature class T3

B 230g	2BH7510-0AD11-8-Z	50	1.5	230D	400Y	5.65D	3.25Y	-300	320	64	26
B 231g	2BH7510-0AD11-8-Z	60	1.75		460Y		3.2 Y	-320	280	68	26
B 232g	2BH7510-0AD21-8-Z	50	2.2	230D	400Y	7.9 D	4.55Y	-300	390	64	29
B 233g	2BH7510-0AD21-8-Z	60	2.55		460Y		4.5 Y	-320	420	68	29

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

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

B 230h	2BH7510-0AD11-8-Z	50	1.5	230D	400Y	5.65D	3.25Y	-300	320	64	26
B 231h	2BH7510-0AD11-8-Z	60	1.75		460Y		3.2 Y	-320	280	68	26
B 232h	2BH7510-0AD21-8-Z	50	2.2	230D	400Y	7.9 D	4.55Y	-300	390	64	29
B 233h	2BH7510-0AD21-8-Z	60	2.55		460Y		4.5 Y	-320	420	68	29

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

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

B 230k	2BH7510-0AD11-8-Z	50	1.5	230D	400Y	5.65D	3.25Y	-290	320	64	26
B 231k	2BH7510-0AD11-8-Z	60	1.75		460Y		3.2 Y	-310	280	68	26
B 232k	2BH7510-0AD21-8-Z	50	2.2	230D	400Y	7.9 D	4.55Y	-290	390	64	29
B 233k	2BH7510-0AD21-8-Z	60	2.55		460Y		4.5 Y	-310	420	68	29

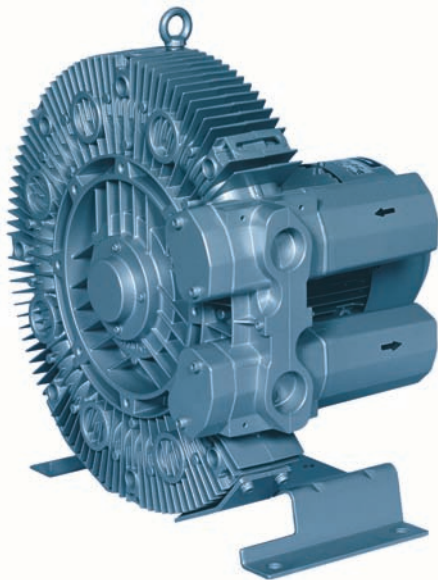
ATEX-Category: 3/2G (Order-Option: M71)

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

B 230m	2BH7510-0AD11-8-Z	50	1.3	230D	400Y	5.0 D	2.9 Y	-290	270	64	26
B 232m	2BH7510-0AD21-8-Z	50	1.85	230D	400Y	6.8 D	3.95Y	-290	390	64	29

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

B 231m	2BH7510-0AG11-8-Z	60	1.3		460Y		2.64Y	-200	180	68	26
B 233m	2BH7510-0AG21-8-Z	60	1.85		460Y		3.48Y	-310	300	68	29



Other voltage ranges

2BH7510-0A □ . □ -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 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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