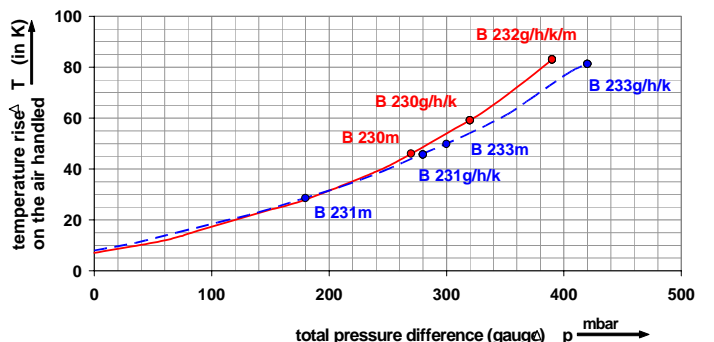
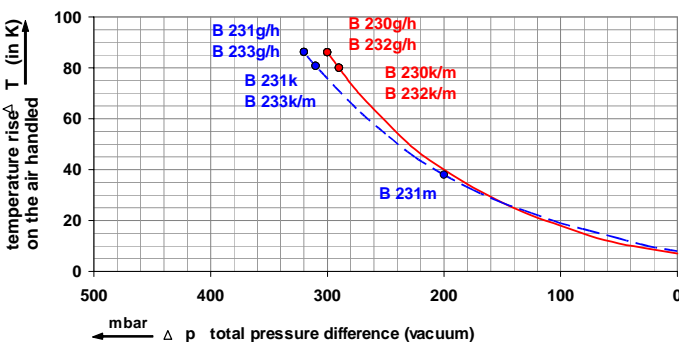
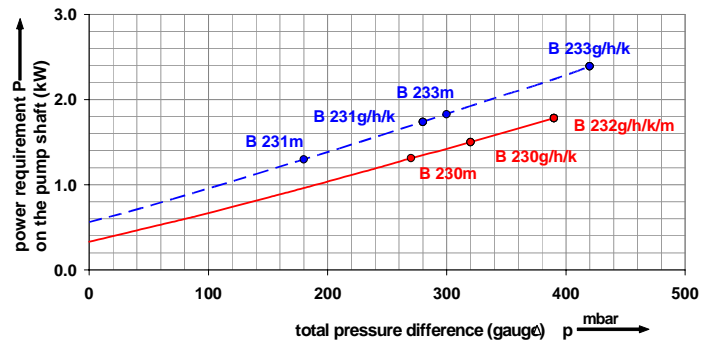
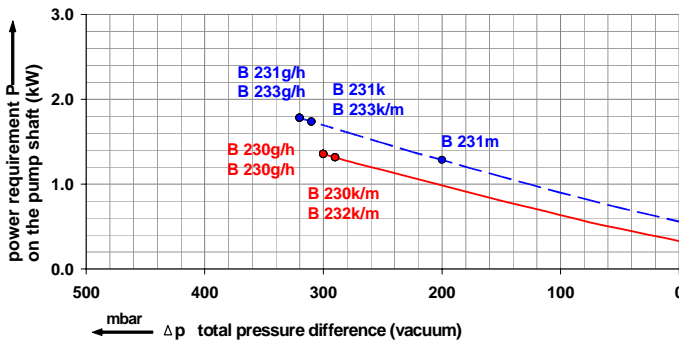
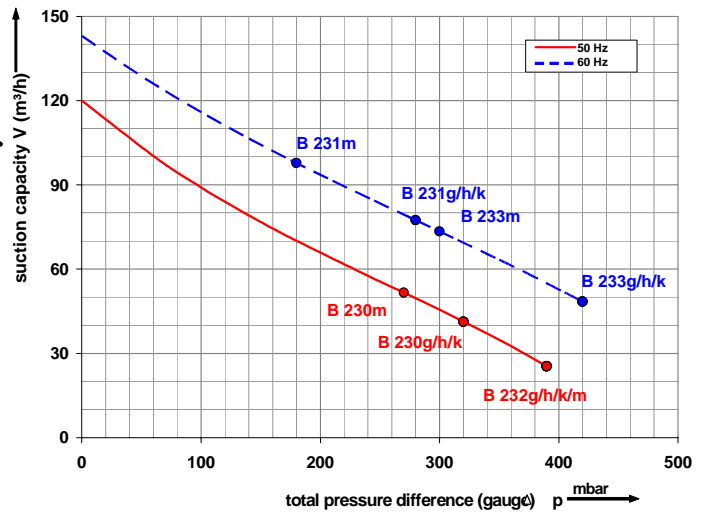
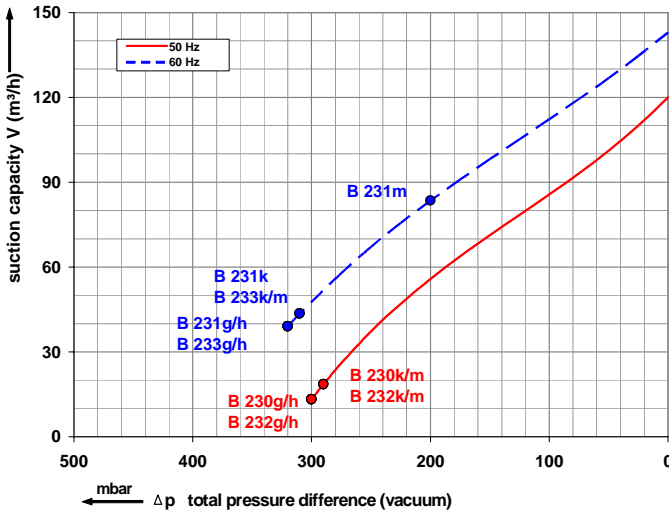


G-BH7

2BH7 510 ATEX - Version

Performance curve for Vacuum pump

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.	Frequency	Rated power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
						Vacuum mbar	Compressor mbar		
		Hz	kW	V	A			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

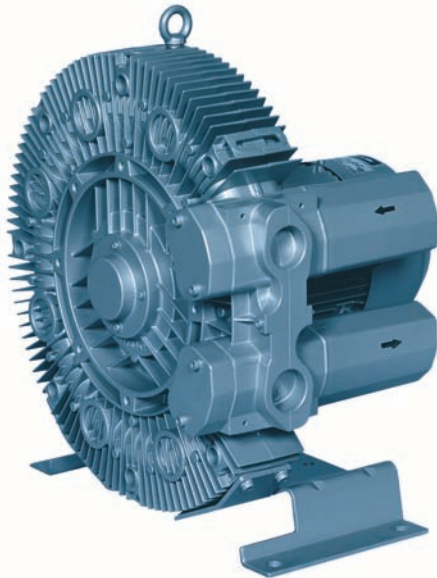
ATEX-Category: 3/2G (Order-Option: M71)

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.

**Gardner
Denver**

Elmo Rietschle is a brand of the
Gardner Denver Blower Division

info@de.gardnerdenver.com
www.gd-elmorietschle.com

Gardner Denver Schopfheim GmbH

Roggenbachstr. 58
79650 Schopfheim · Germany
Tel. +49 7622 392-0
Fax +49 7622 392-300

Gardner Denver Deutschland GmbH

Industriestr. 26
97616 Bad Neustadt · Germany
Tel. +49 9771 6888-0
Fax +49 9771 6888-4000