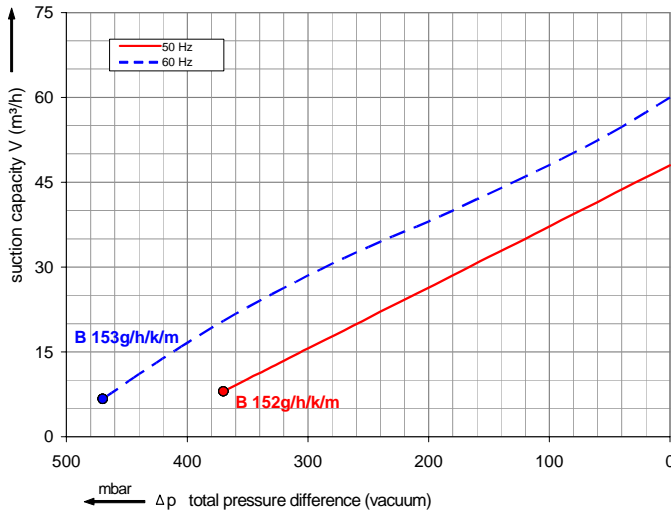


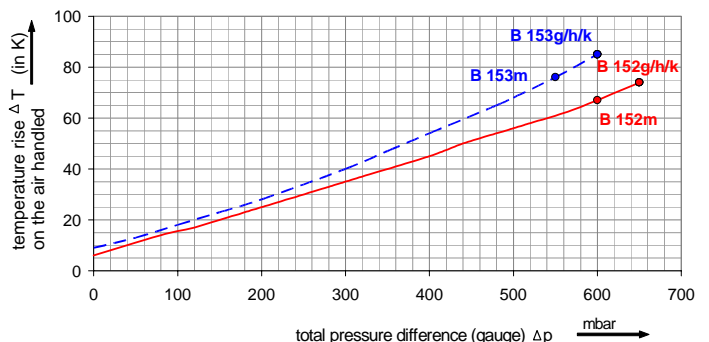
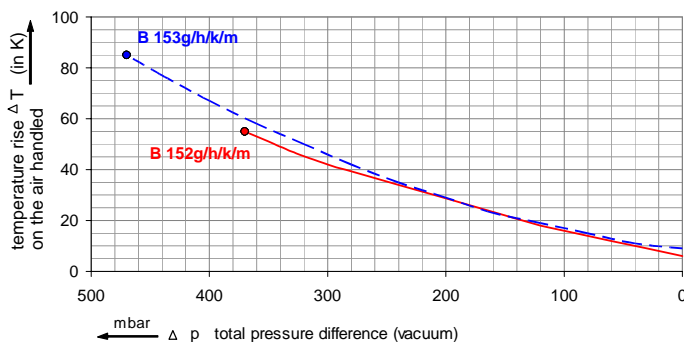
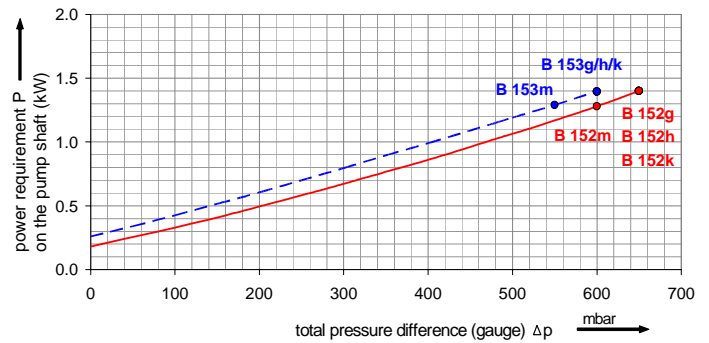
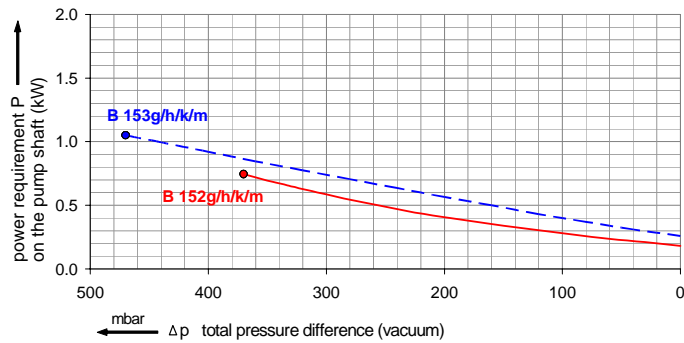
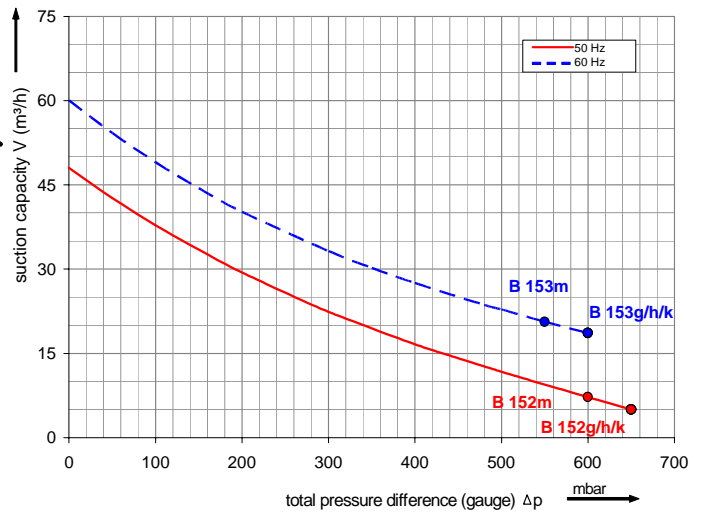
2BH7 220 ATEX - Version

G-BH7

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 220

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 152g	2BH7220-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-370	650	58	28
B 153g	2BH7220-0AD51-7-Z	60	1.75		460Y		3.2 Y	-470	600	62	28

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

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

B 152h	2BH7220-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-370	650	58	28
B 153h	2BH7220-0AD51-7-Z	60	1.75		460Y		3.2 Y	-470	600	62	28

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

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

B 152k	2BH7220-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-370	650	58	28
B 153k	2BH7220-0AD51-7-Z	60	1.75		460Y		3.2 Y	-470	600	62	28

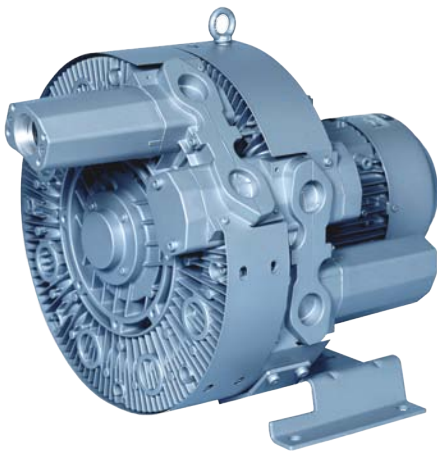
ATEX-Category: 3/2G (Order-Option: M71)

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

B 152m	2BH7220-0AD51-7-Z	50	1.3	230D	400Y	5.0 D	2.9 Y	-370	600	58	28
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3- 60 Hz, IP55, insulation material class F, temperature class T3

B 153m	2BH7220-0AG51-7-Z	60	1.3		460Y		2.64Y	-470	550	62	28
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Other voltage ranges

2BH7220-0A □ . □ -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