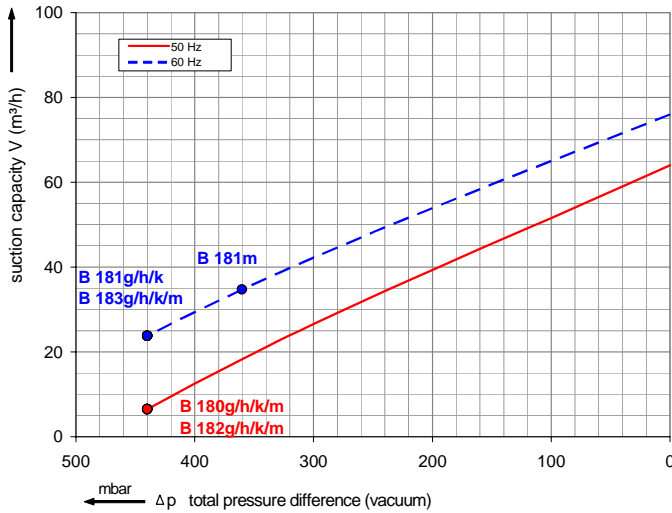


# G-BH7

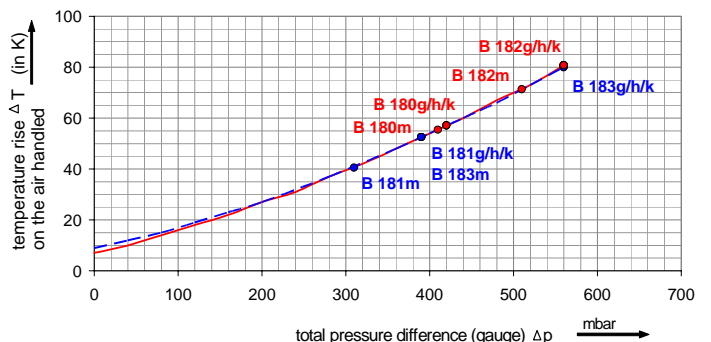
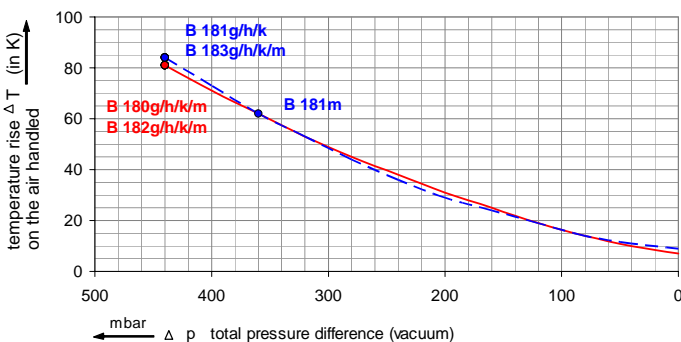
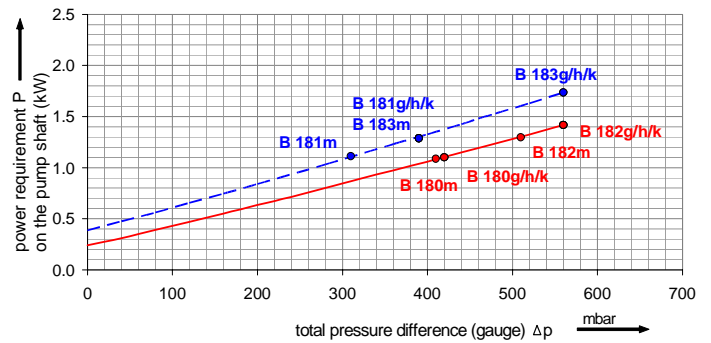
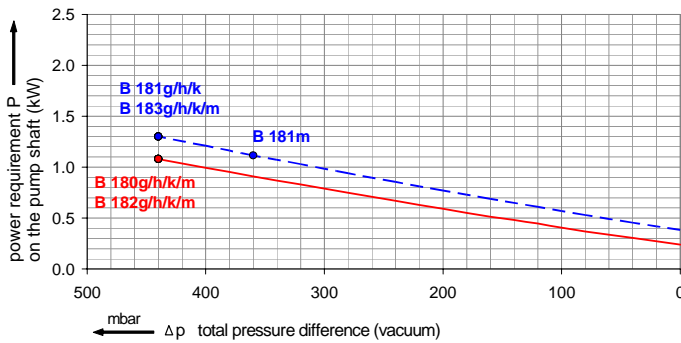
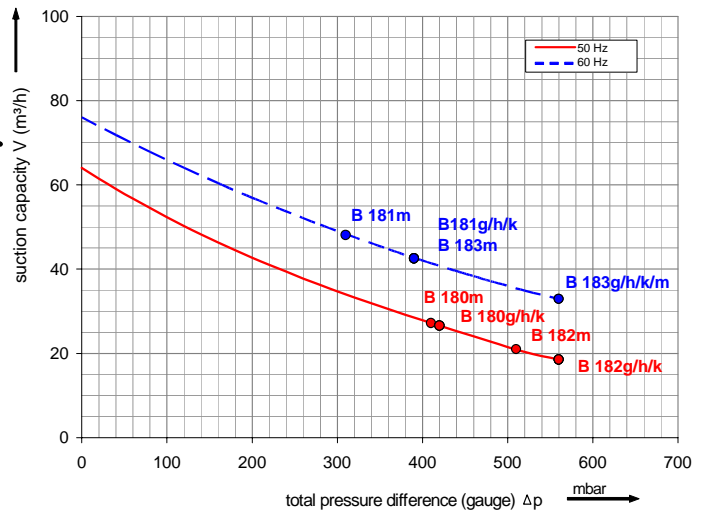
## Performance curve for Vacuum pump



# 2BH7 320

## 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 320

Curve No.	Order No.	Fre- quency	Rated power	Input voltage	Input current	Permissible total differential pressure <sup>2)</sup>		Sound pressure level <sup>3)</sup>	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 180g	2BH7320-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-440	420	59	29
B 181g	2BH7320-0AD41-7-Z	60	1.3		460Y		2.4 Y	-440	390	63	29
B 182g	2BH7320-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-440	560	59	30
B 183g	2BH7320-0AD51-7-Z	60	1.75		460Y		3.2 Y	-440	560	63	30

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

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

B 180h	2BH7320-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-440	420	59	29
B 181h	2BH7320-0AD41-7-Z	60	1.3		460Y		2.4 Y	-440	390	63	29
B 182h	2BH7320-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-440	560	59	30
B 183h	2BH7320-0AD51-7-Z	60	1.75		460Y		3.2 Y	-440	560	63	30

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

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

B 180k	2BH7320-0AD41-7-Z	50	1.1	230D	400Y	4.2 D	2.4 Y	-440	420	59	29
B 181k	2BH7320-0AD41-7-Z	60	1.3		460Y		2.4 Y	-440	390	63	29
B 182k	2BH7320-0AD51-7-Z	50	1.5	230D	400Y	5.65D	3.25Y	-440	560	59	30
B 183k	2BH7320-0AD51-7-Z	60	1.75		460Y		3.2 Y	-440	560	63	30

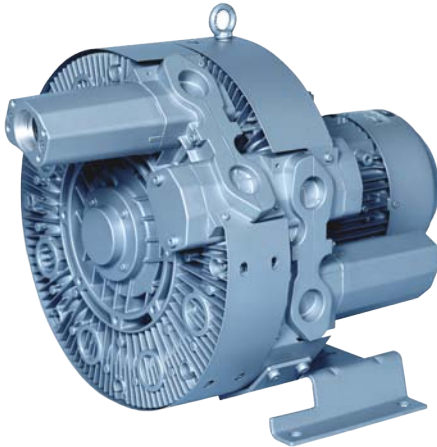
#### ATEX-Category: 3/2G (Order-Option: M71)

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

B 180m	2BH7320-0AD41-7-Z	50	1.1	230D	400Y	4.33D	2.5 Y	-440	410	59	29
B 182m	2BH7320-0AD51-7-Z	50	1.3	230D	400Y	5.0 D	2.9 Y	-440	510	59	30

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

B 181m	2BH7320-0AG41-7-Z	60	1.1		460Y		2.3 Y	-360	310	63	29
B 183m	2BH7320-0AG51-7-Z	60	1.3		460Y		2.64Y	-440	390	63	30



### Other voltage ranges

2BH7320-0A □ . □ -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.

- <sup>2)</sup> Relief-valve are available for limiting differential pressure.
- <sup>3)</sup> 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