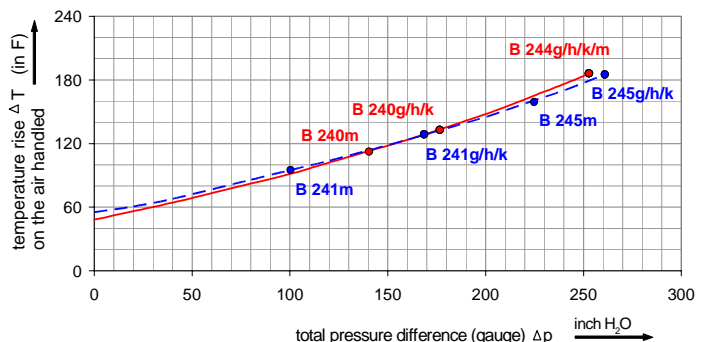
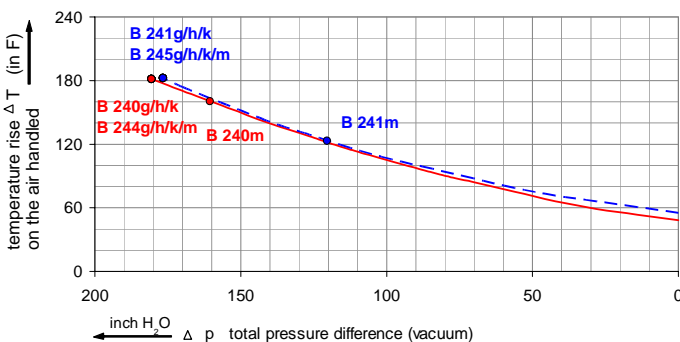
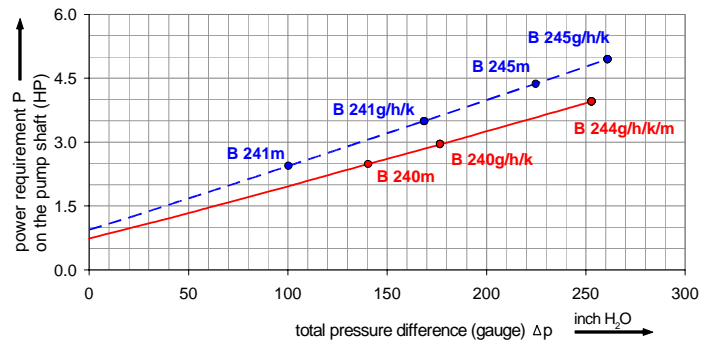
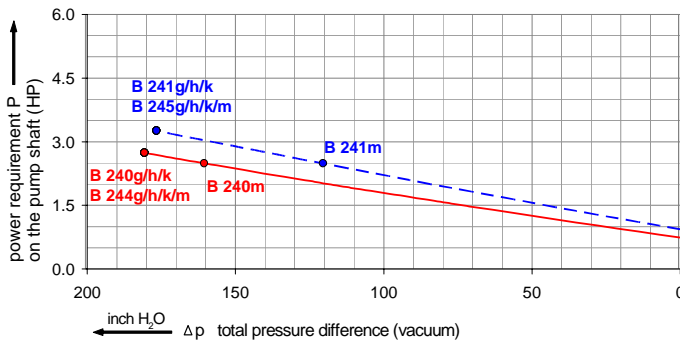
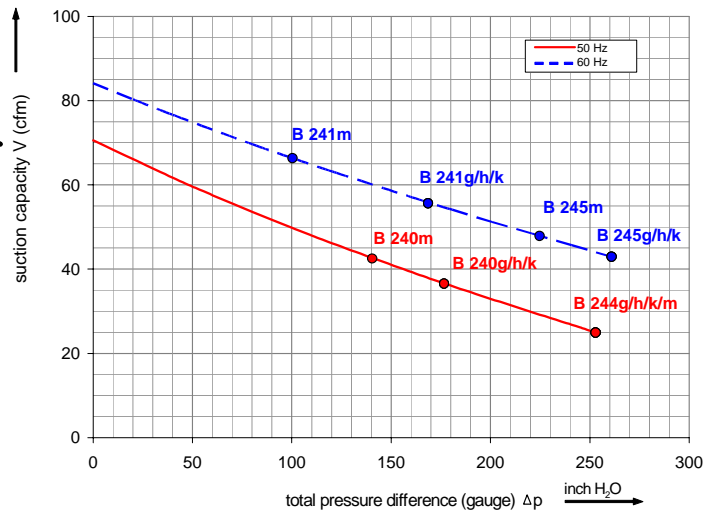
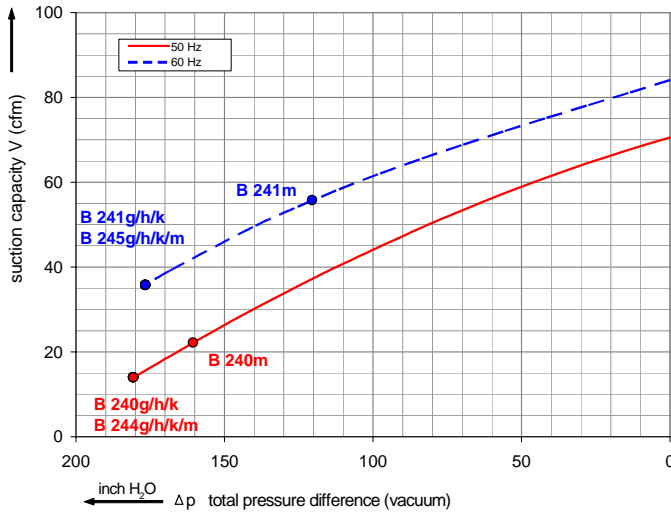


# G-BH7

# 2BH7 520 ATEX - Version

Performance curve for Vacuum pump

Performance curve for Compressor



The performance curves are based on air at a temperature of 59 F and an atmospheric pressure of 401.53 inch H<sub>2</sub>O with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 77 F. 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 520

Curve No.	Order No.	Frequency	Rated power	Input voltage	Input current	Permissible total differential pressure <sup>2)</sup>		Sound pressure level <sup>3)</sup>	Weight ca.
						Vacuum inch H2O	Compressor inch H2O		
		Hz	HP	V	A			dB(A)	lbs

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

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

B 240g	2BH7520-0AD21-8-Z	50	2.95	230D	400Y	7.9D	4.55Y	-181	177	64	88
B 241g	2BH7520-0AD21-8-Z	60	3.42		460Y		4.5 Y	-177	169	70	88
B 244g	2BH7520-0AD76-8-Z	50	5.36	400D	690Y	7.8D	4.5 Y	-181	253	65	112
B 245g	2BH7520-0AD76-8-Z	60	6.17	460D		7.6D		-177	261	71	112

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

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

B 240h	2BH7520-0AD21-8-Z	50	2.95	230D	400Y	7.9D	4.55Y	-181	177	64	88
B 241h	2BH7520-0AD21-8-Z	60	3.42		460Y		4.5 Y	-177	169	70	88
B 244h	2BH7520-0AD76-8-Z	50	5.36	400D	690Y	7.8D	4.5 Y	-181	253	65	112
B 245h	2BH7520-0AD76-8-Z	60	6.17	460D		7.6D		-177	261	71	112

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

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

B 240k	2BH7520-0AD21-8-Z	50	2.95	230D	400Y	7.9D	4.55Y	-181	177	64	88
B 241k	2BH7520-0AD21-8-Z	60	3.42		460Y		4.5 Y	-177	169	70	88
B 244k	2BH7520-0AD76-8-Z	50	5.36	400D	690Y	7.8D	4.5 Y	-181	253	65	112
B 245k	2BH7520-0AD76-8-Z	60	6.17	460D		7.6D		-177	261	71	112

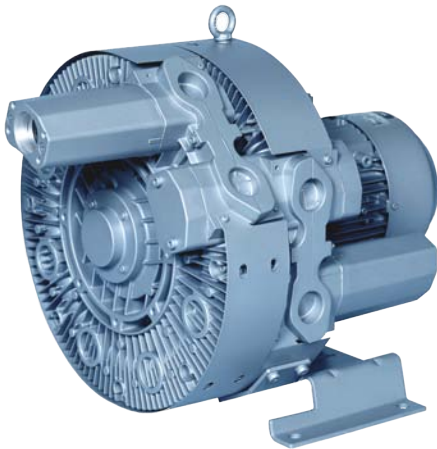
#### ATEX-Category: 3/2G (Order-Option: M71)

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

B 240m	2BH7520-0AD21-8-Z	50	2.48	230D	400Y	6.8D	3.95Y	-161	141	64	88
B 244m	2BH7520-0AD71-8-Z	50	4.42	230D	400Y	10.7D	6.7 Y	-181	253	65	108

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

B 241m	2BH7520-0AG21-8-Z	60	2.48		460Y		3.48Y	-120	100	70	88
B 245m	2BH7520-0AG71-8-Z	60	4.42		460Y		6.1 Y	-177	225	71	108



### Other voltage ranges

2BH7520-0A  .  -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 3.28 ft. 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

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