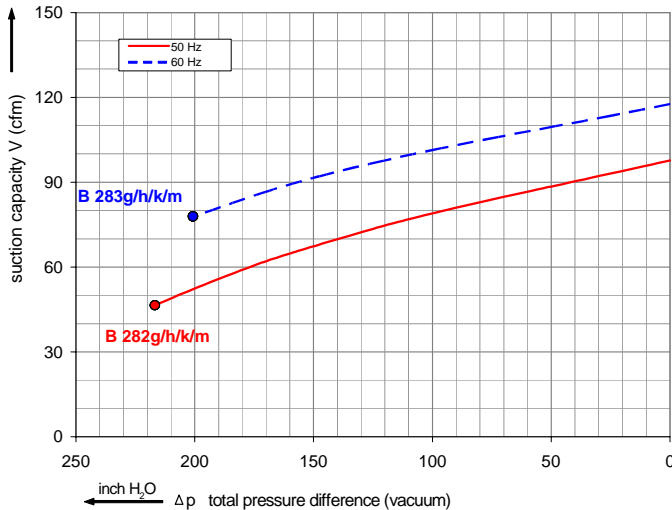


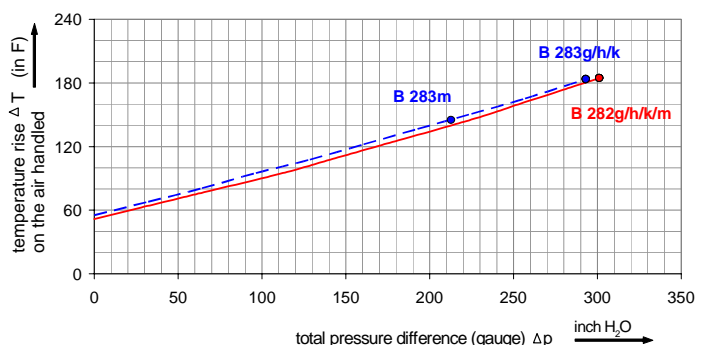
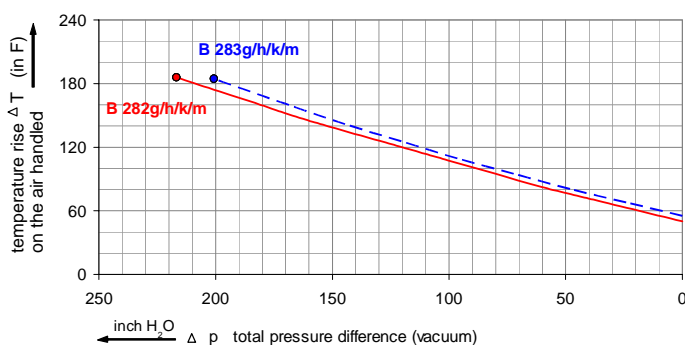
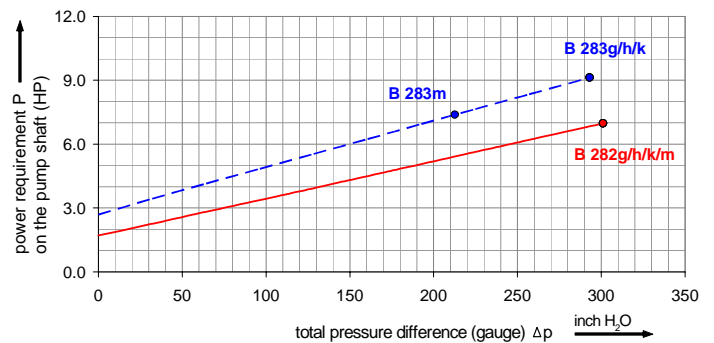
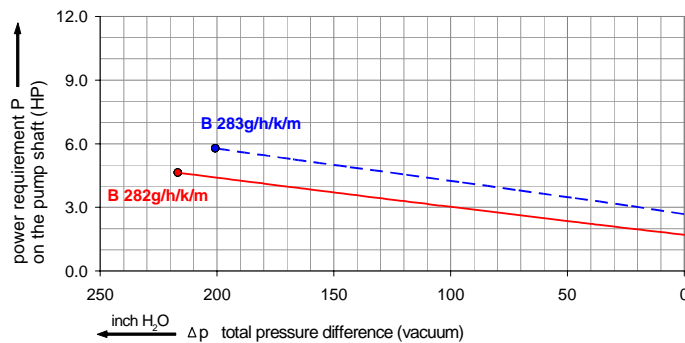
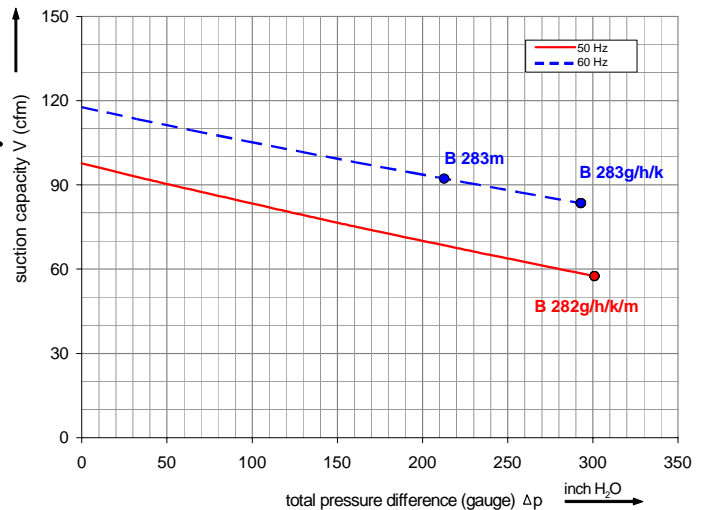
2BH7 630 ATEX - Version

G-BH7

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 H₂O 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 630

| Curve No. | Order No. | Frequency | Rated power | Input voltage | Input current | Permissible total differential pressure ²⁾ | | Sound pressure level ³⁾ | 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 282g | 2BH7630-0AD66-8-Z | 50 | 10.05 | 400D | 690Y | 13.8D | 8.0Y | -217 | 301 | 72 | 189 |
| B 283g | 2BH7630-0AD66-8-Z | 60 | 11.53 | 460D | | 13.5D | | -201 | 293 | 76 | 189 |

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

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

| | | | | | | | | | | | |
|--------|-------------------|----|-------|------|------|-------|------|------|-----|----|-----|
| B 282h | 2BH7630-0AD66-8-Z | 50 | 10.05 | 400D | 690Y | 13.8D | 8.0Y | -217 | 301 | 72 | 189 |
| B 283h | 2BH7630-0AD66-8-Z | 60 | 11.53 | 460D | | 13.5D | | -201 | 293 | 76 | 189 |

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

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

| | | | | | | | | | | | |
|--------|-------------------|----|-------|------|------|-------|------|------|-----|----|-----|
| B 282k | 2BH7630-0AD66-8-Z | 50 | 10.05 | 400D | 690Y | 13.8D | 8.0Y | -217 | 301 | 72 | 189 |
| B 283k | 2BH7630-0AD66-8-Z | 60 | 11.53 | 460D | | 13.5D | | -201 | 293 | 76 | 189 |

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

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

| | | | | | | | | | | | |
|--------|-------------------|----|------|------|------|-------|------|------|-----|----|-----|
| B 282m | 2BH7630-0AD66-8-Z | 50 | 7.37 | 400D | 690Y | 10.4D | 6.0Y | -217 | 301 | 72 | 181 |
|--------|-------------------|----|------|------|------|-------|------|------|-----|----|-----|

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

| | | | | | | | | | | | |
|--------|-------------------|----|------|------|--|------|--|------|-----|----|-----|
| B 283m | 2BH7630-0AG66-8-Z | 60 | 7.37 | 460D | | 9.6D | | -201 | 213 | 76 | 181 |
|--------|-------------------|----|------|------|--|------|--|------|-----|----|-----|



Other voltage ranges

2BH7630-0A □ . □ -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 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
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