

BVC-M**DOUBLE INLET, BELT DRIVEN (WIT MOTOR AND TRANSMISION)****MANUFACTURING FEATURES:**

- Galvanized steel sheet housing.
- Double inlet forward curved impeller in all models
- Transmission shaft with anticorrosion treatment.
- Supplied with motor, belts and pulleys
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- BVC: Impellers made of polyamide reinforced with fiberglass for sizes 7/7, 9/9, 10/10 and 12/12; the other models are made of galvanized steel sheet. Ball bearings permanently greased on rubber rings.
- Reinforced cubic assembly with lateral panels and a bearings base plate as well.

APPLICATIONS:

Designed for assembly in equipment:

- Ventilation boxes and air handling units.
- Centrifugal heaters.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 60°C.

UNDER REQUEST:

- Impellers made of galvanized sheet.

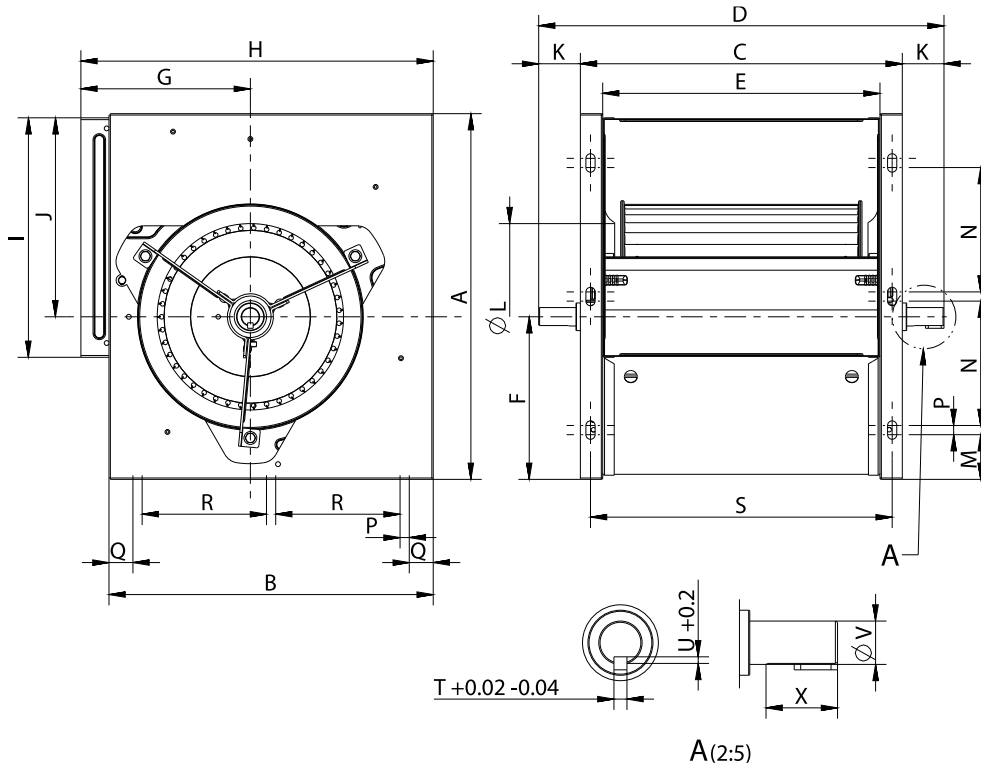
Technical data

| Code | Model | Max. Airflow m ³ /h | Weight |
|------|-------------|-----------------------------------|--------|
| - | BVC-M 9/9 | 5.810 | 12 |
| - | BVC-M 10/10 | 7.450 | 14 |
| - | BVC-M 12/12 | 10.450 | 22 |
| - | BVC-M 15/15 | 15.150 | 33 |
| - | BVC-M 18/18 | 24.390 | 45 |

Notes:

* The motor is not included in fan weight

Dimensions



| Model | A | B | C | D | E | F | G | H | I |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| BVC-M 9/9 | 397 | 352 | 351 | 440 | 301 | 181 | 184 | 383 | 260 |
| BVC-M 10/10 | 455 | 398 | 380 | 470 | 330 | 205 | 198 | 426 | 291 |
| BVC-M 12/12 | 534 | 468 | 446 | 546 | 396 | 243 | 230 | 497 | 341 |
| BVC-M 15/15 | 628 | 553 | 533 | 630 | 473 | 285 | 271 | 585 | 404 |
| BVC-M 18/18 | 748 | 653 | 616 | 728 | 556 | 335 | 311 | 685 | 483 |

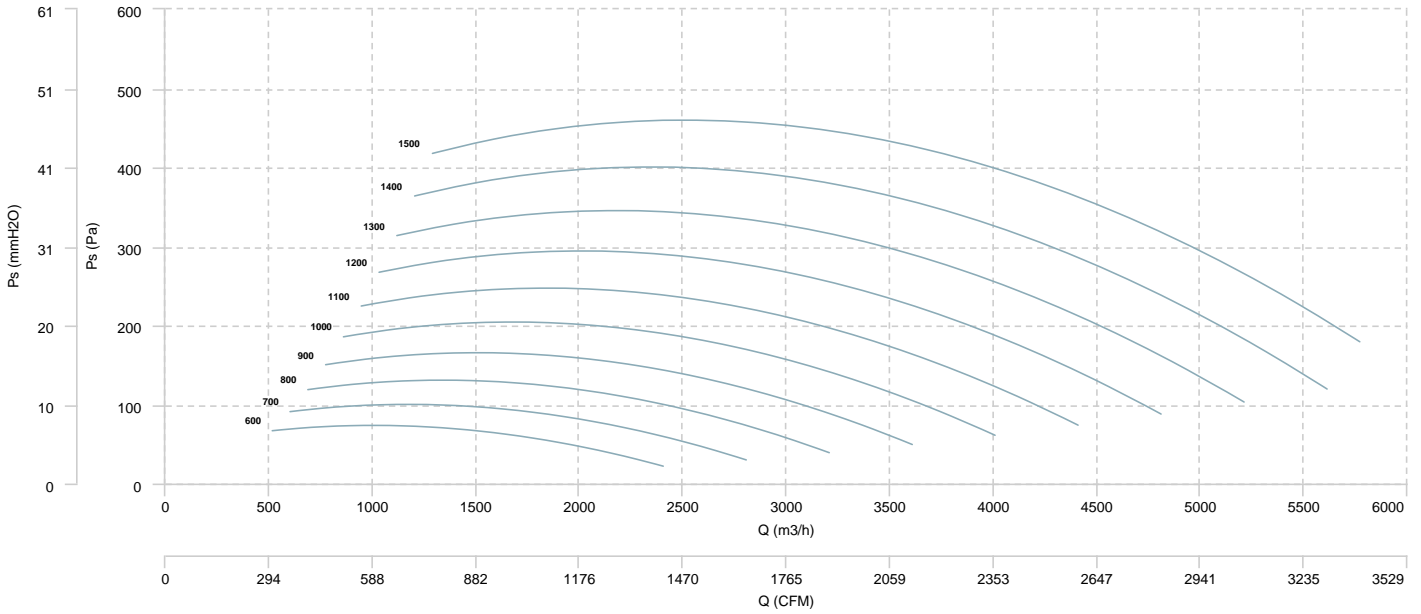
| Model | J | K | LØ | M | N | O | P | Q | R |
|-------------|-----|----|-----|-----|-----|-----|----|----|-----|
| BVC-M 9/9 | 216 | 45 | 200 | 49 | 135 | 135 | 10 | 30 | 135 |
| BVC-M 10/10 | 250 | 45 | 220 | 61 | 152 | 152 | 10 | 30 | 152 |
| BVC-M 12/12 | 291 | 50 | 260 | 58 | 195 | 195 | 10 | 30 | 195 |
| BVC-M 15/15 | 343 | 49 | 321 | 99 | 200 | 200 | 10 | 60 | 200 |
| BVC-M 18/18 | 413 | 56 | 397 | 109 | 250 | 250 | 10 | 60 | 250 |

| Model | S | T | U | V | X |
|-------------|-----|---|-----|----|----|
| BVC-M 9/9 | 329 | 6 | 3,5 | 20 | 33 |
| BVC-M 10/10 | 369 | 6 | 3,5 | 20 | 33 |
| BVC-M 12/12 | 424 | 8 | 4 | 25 | 46 |
| BVC-M 15/15 | 503 | 8 | 4 | 25 | 52 |
| BVC-M 18/18 | 586 | 8 | 4 | 25 | 52 |

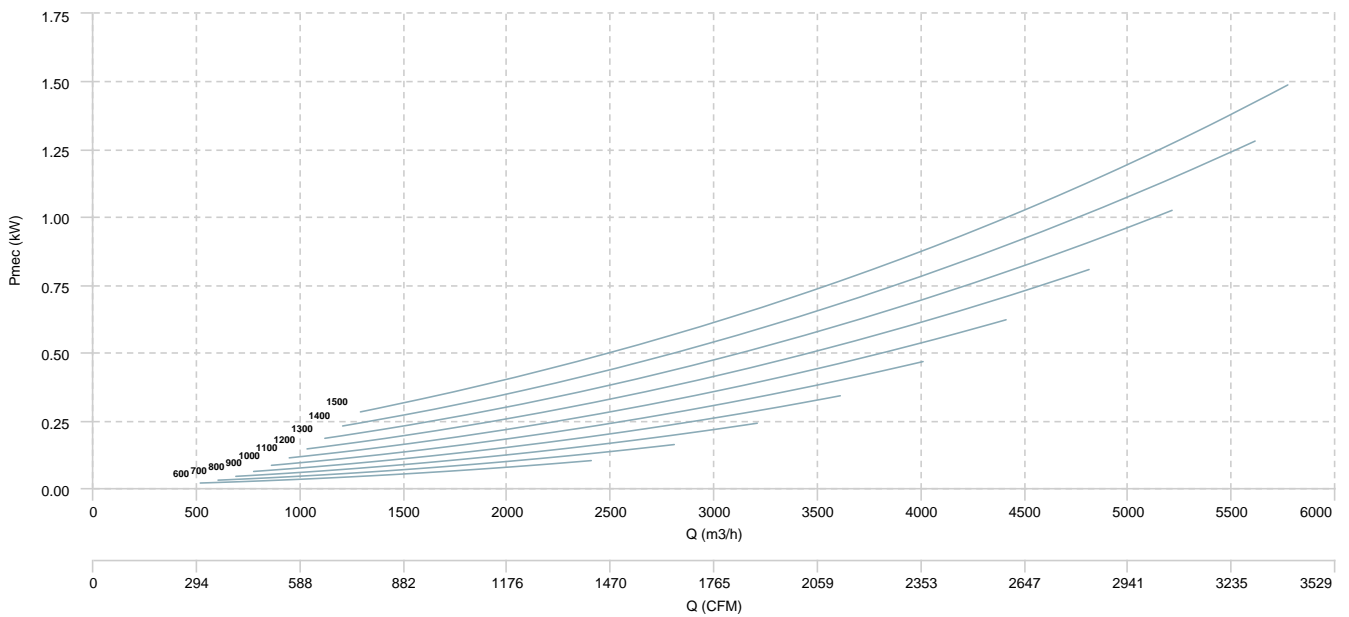
CHARACTERISTIC CURVE

BVC-M 9/9

AIR FLOW - PRESSURE

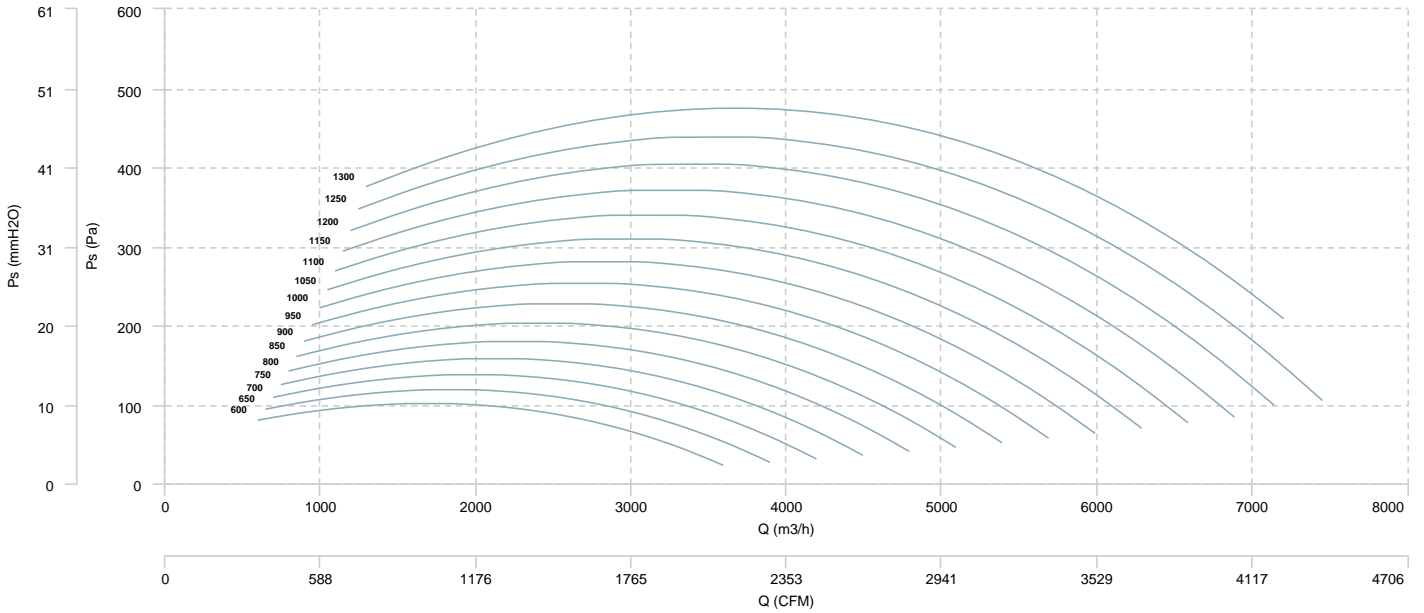


AIR FLOW - MECHANICAL POWER

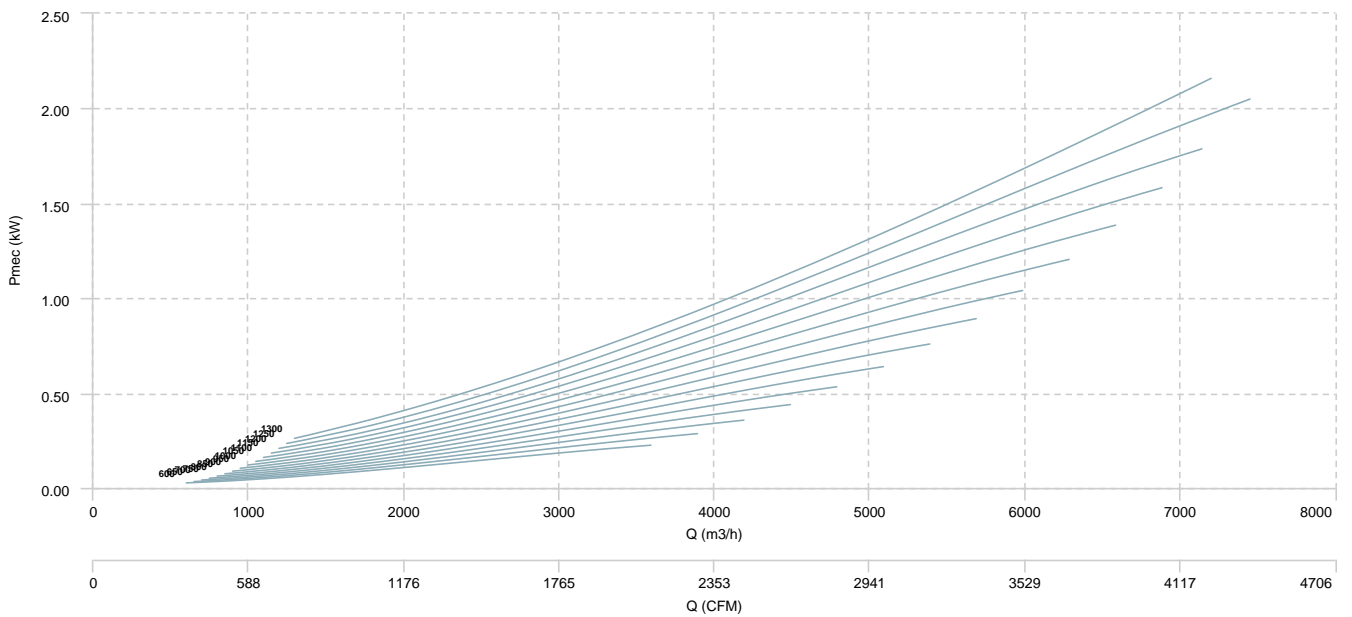


BVC-M 10/10

AIR FLOW - PRESSURE

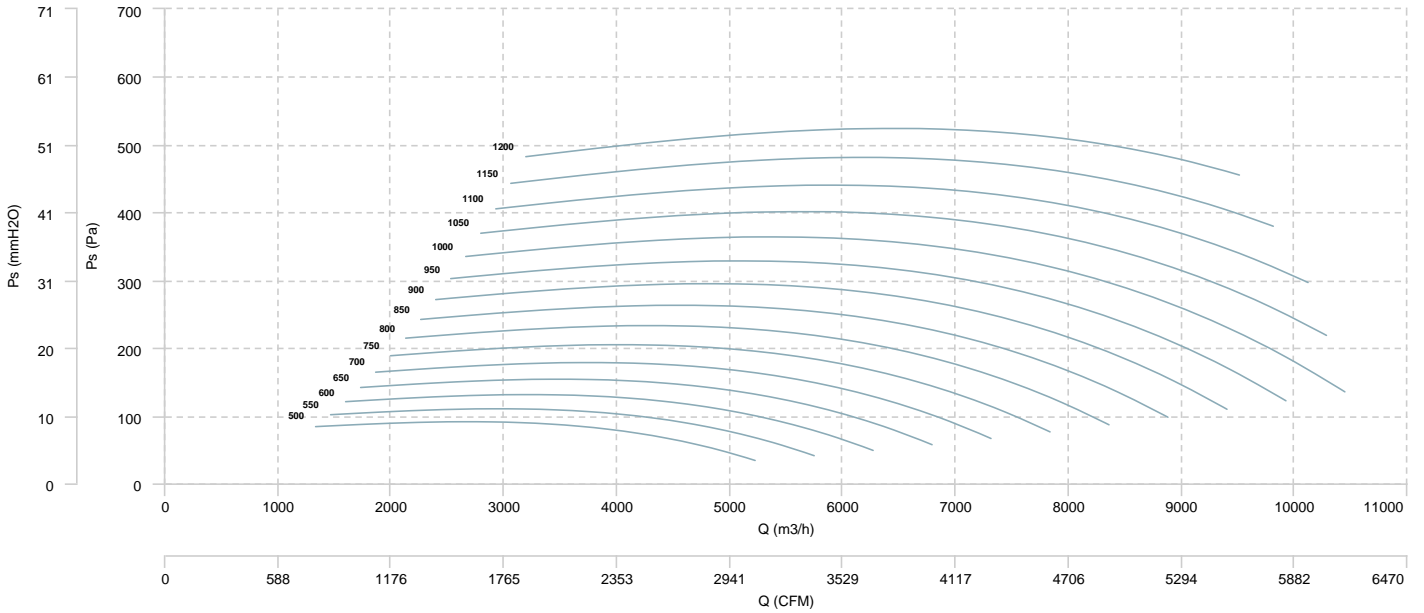


AIR FLOW - MECHANICAL POWER

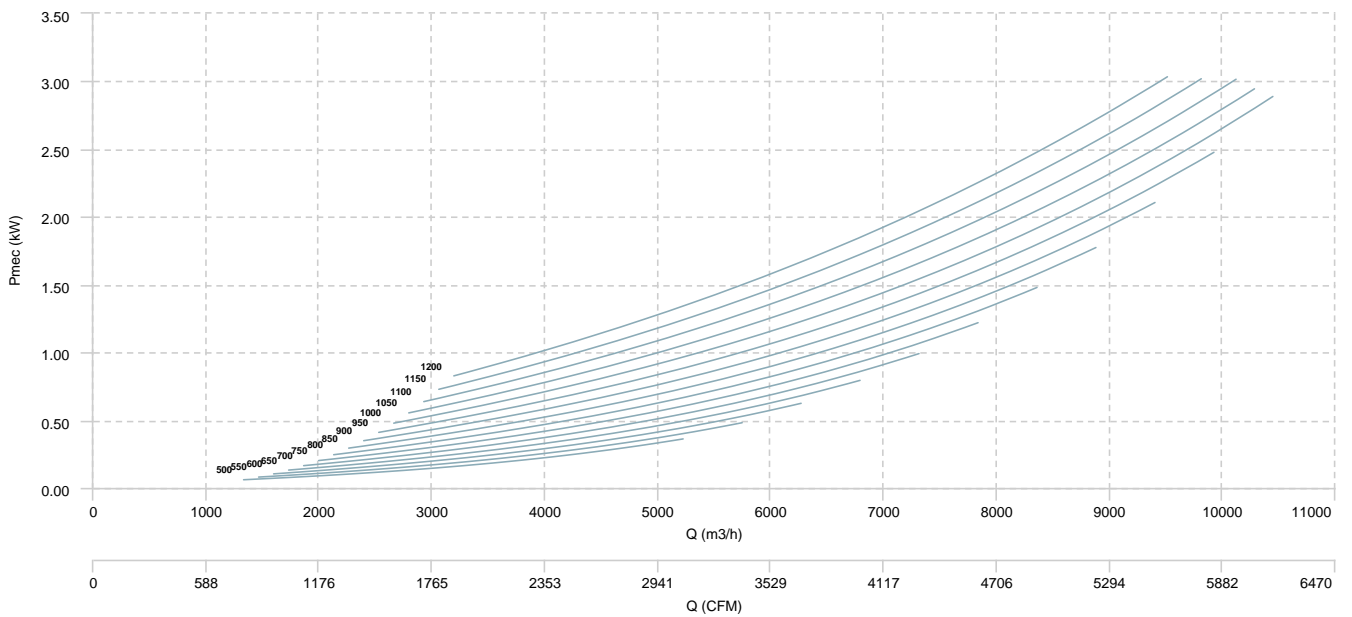


BVC-M 12/12

AIR FLOW - PRESSURE



AIR FLOW - MECHANICAL POWER

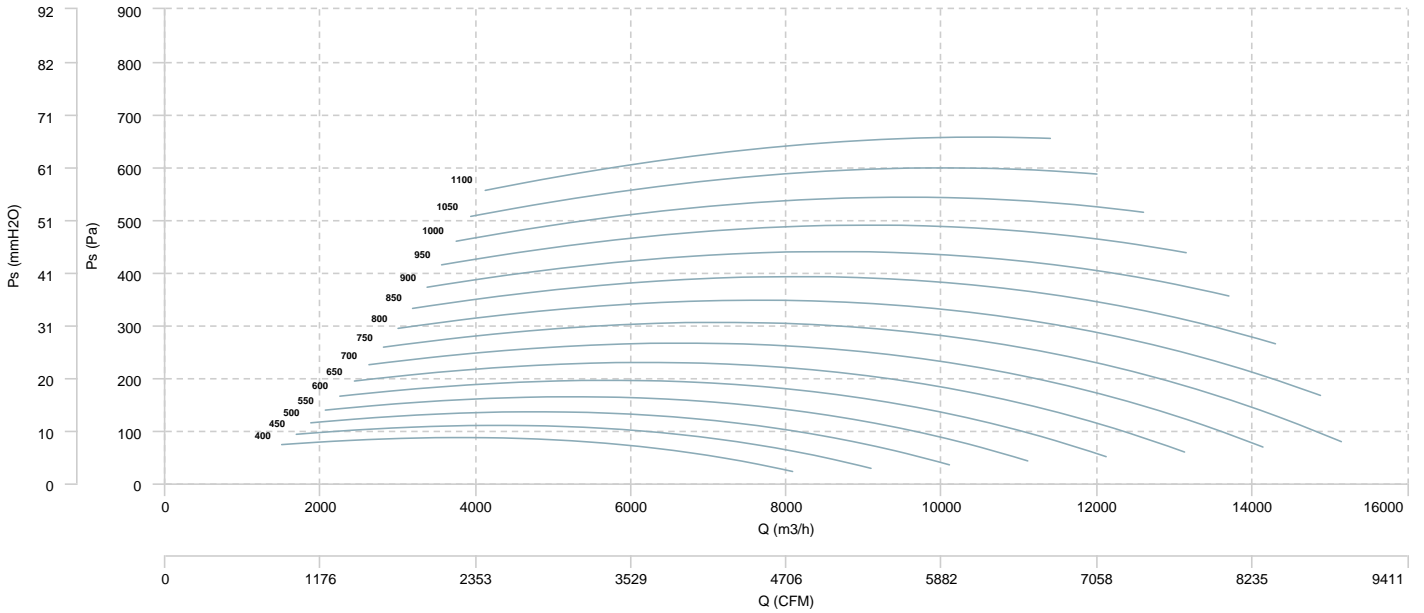


casals

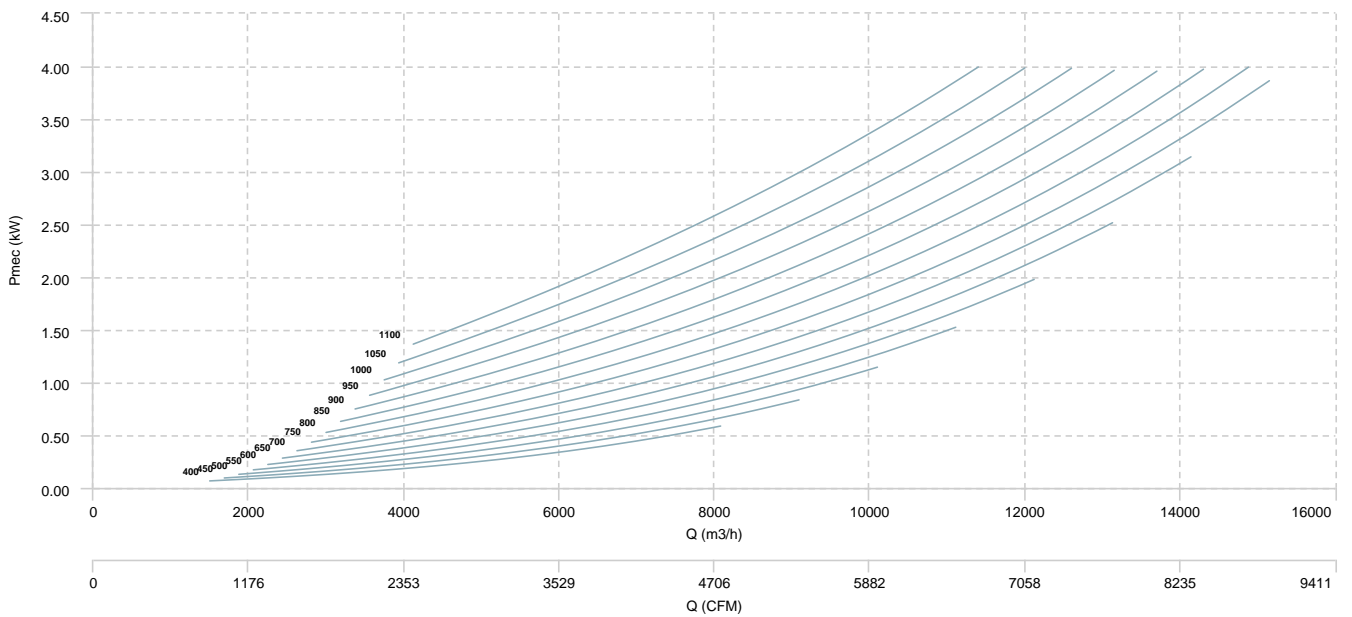


BVC-M 15/15

AIR FLOW - PRESSURE

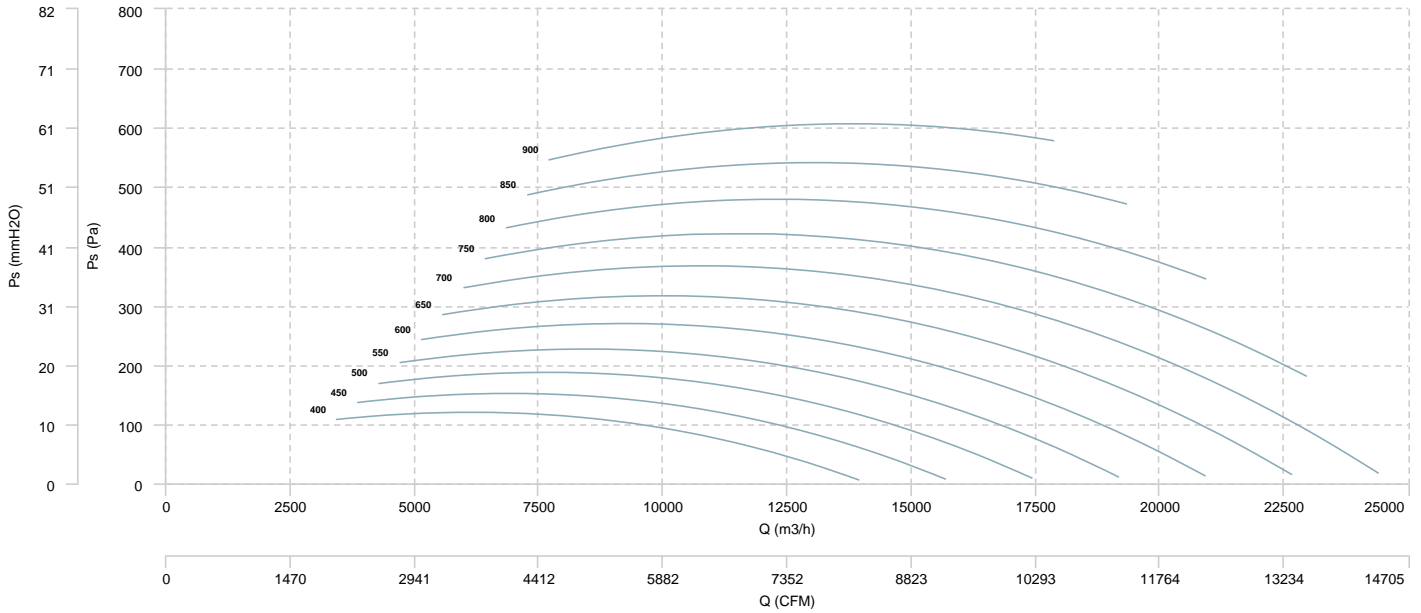


AIR FLOW - MECHANICAL POWER

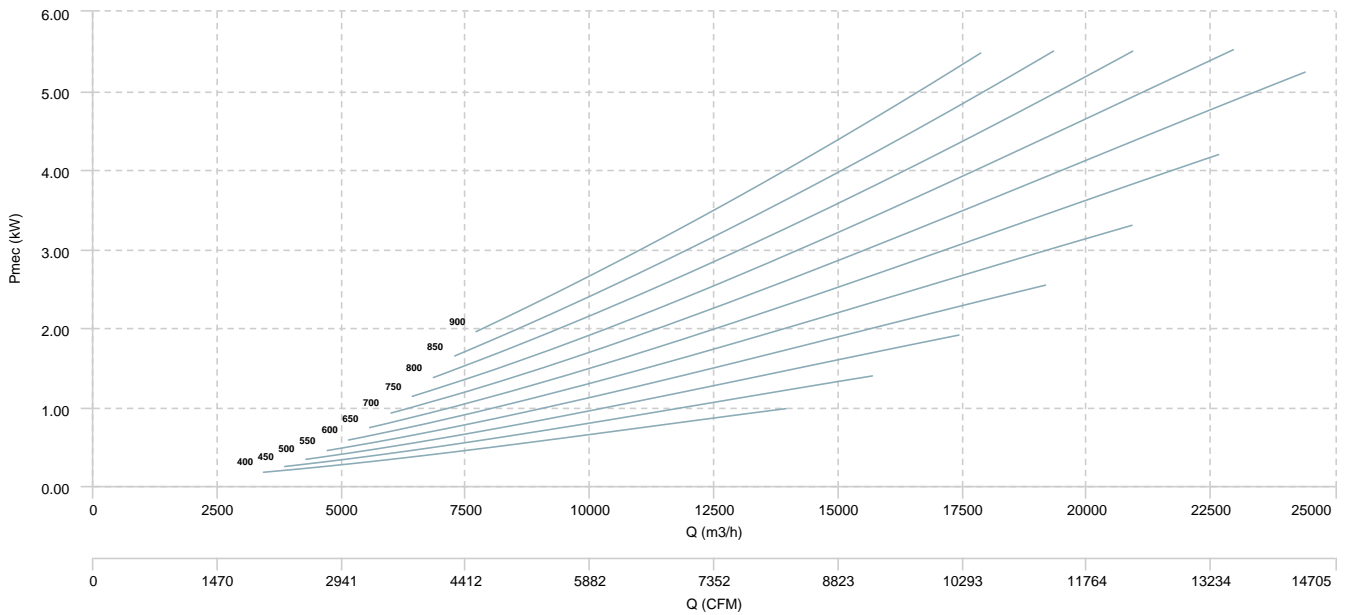


BVC-M 18/18

AIR FLOW - PRESSURE



AIR FLOW - MECHANICAL POWER



Sound data

| Sound power Lw dB (A) | | | | | | | | | | |
|-----------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------|
| Model | | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 8000 Hz | Total |
| BVC-M 9/9 (600 RPM) | Inlet | 46 | 49 | 57 | 60 | 66 | 64 | 61 | 54 | 70 |
| BVC-M 10/10 (600 RPM) | Inlet | 44 | 54 | 61 | 66 | 71 | 69 | 66 | 58 | 75 |
| BVC-M 12/12 (500 RPM) | Inlet | 46 | 55 | 62 | 68 | 73 | 70 | 67 | 60 | 76 |
| BVC-M 15/15 (400 RPM) | Inlet | 50 | 60 | 60 | 66 | 70 | 69 | 65 | 59 | 74 |
| BVC-M 18/18 (400 RPM) | Inlet | 53 | 60 | 63 | 71 | 72 | 70 | 67 | 58 | 77 |

Notes:

* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw\ dB(A)_{rpmA} = Lw\ dB(A)_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$