

DATA SHEET

**SV 400/1**

# **SIDE CHANNEL BLOWERS**

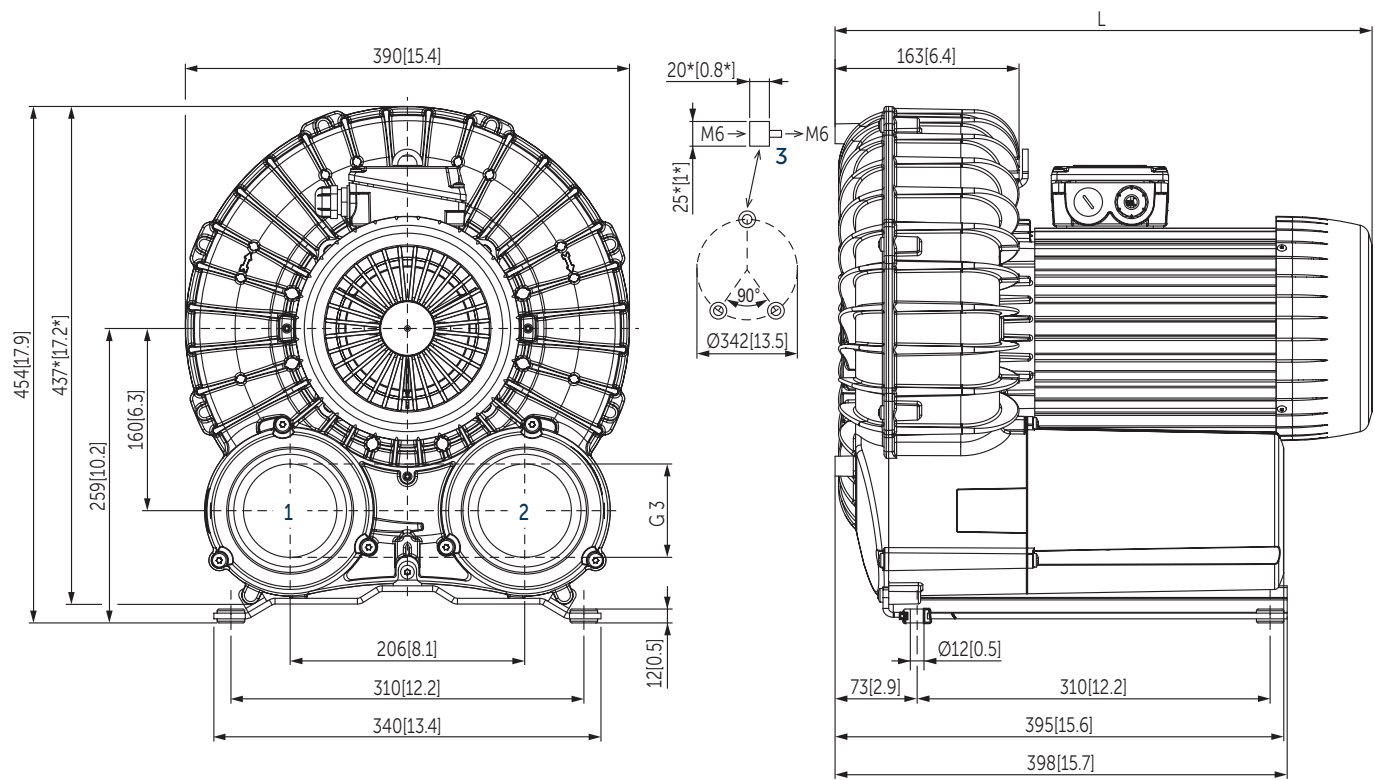
single stage

air-cooled

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**MAKE IT BECKER.**



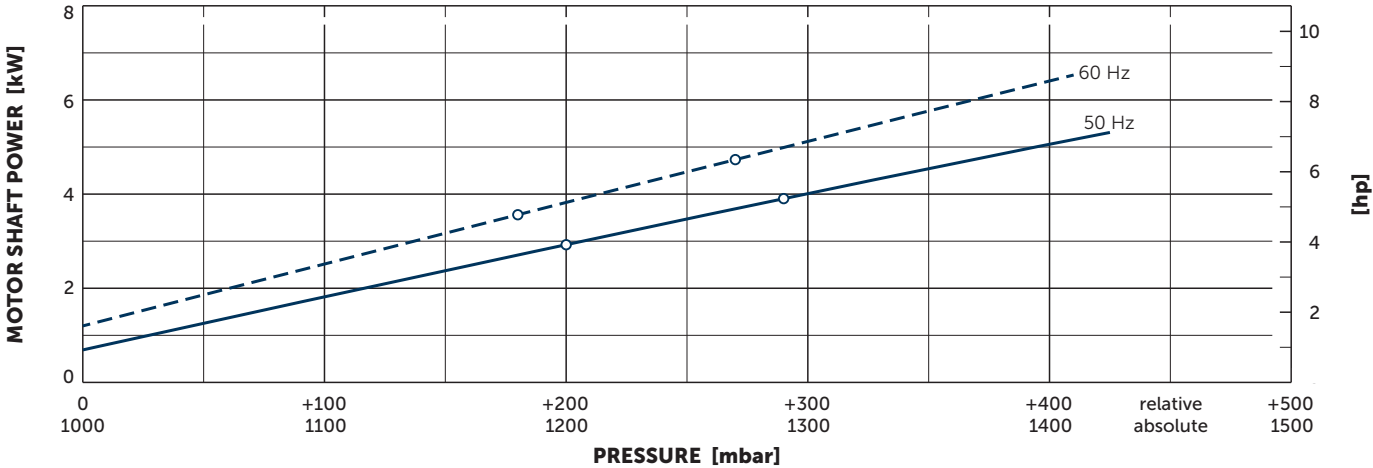
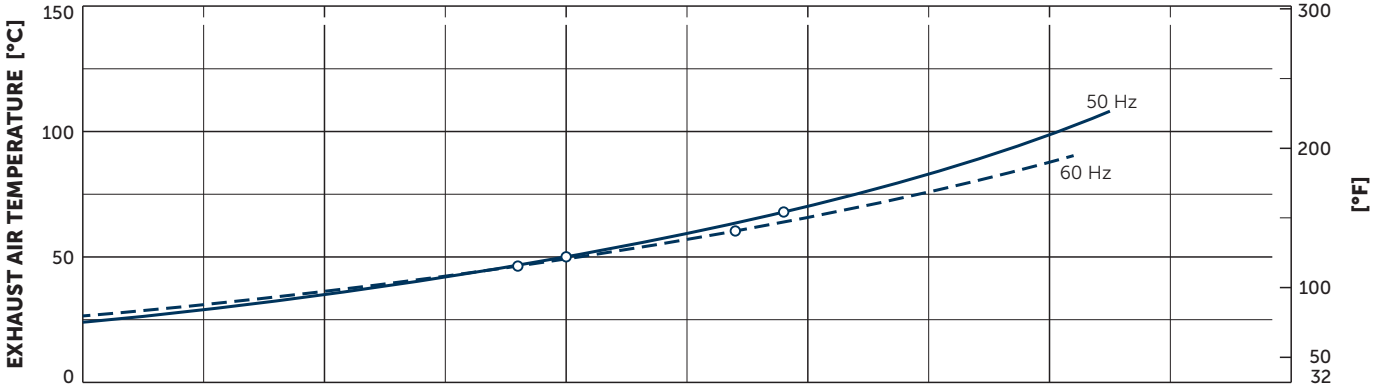
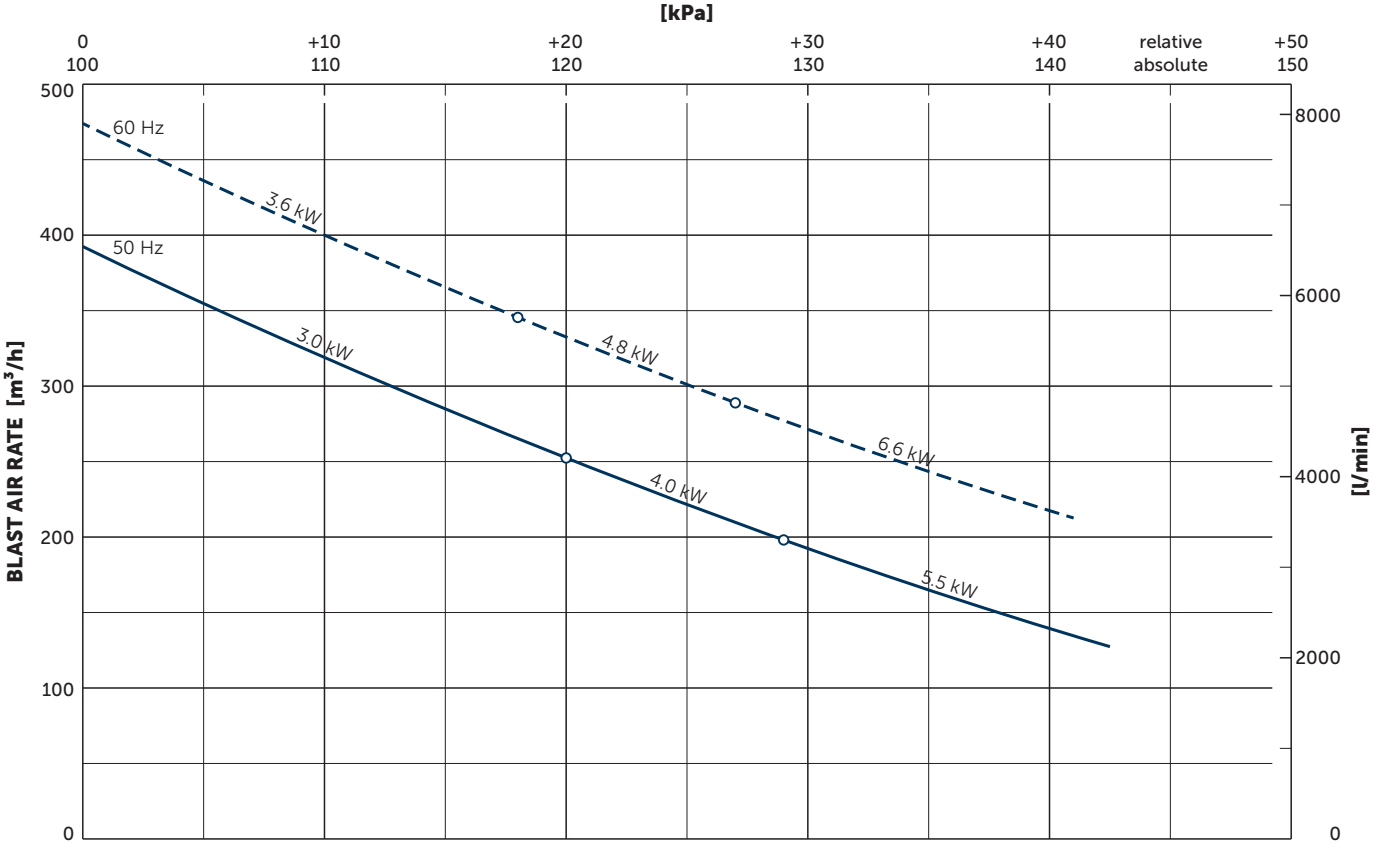


- 1 Vacuum connection (G3)
- 2 Pressure connection (G3)
- 3 Rubber buffer position (optional)
- \* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
- The motor illustration may vary
- Dimensions in mm [inch]

| Blast air rate |       | Pressure relative |       | Motors |       | Emission sound pressure level <sup>1)</sup> |                  | Weight with motor | L          |
|----------------|-------|-------------------|-------|--------|-------|---------------------------------------------|------------------|-------------------|------------|
| m³/h           |       | mbar              |       | kW     |       | dB(A)                                       |                  | kg                | mm [inch]  |
| 50 Hz          | 60 Hz | 50 Hz             | 60 Hz | 50 Hz  | 60 Hz | 50 Hz                                       | 60 Hz            |                   |            |
| 390            | 470   | +200              | +180  | 3.0    | 3.6   | 71.6 (+175 mbar)                            | 74.2 (+175 mbar) | 52.5              | 489 [19.3] |
| 390            | 470   | +290              | +270  | 4.0    | 4.8   | 71.6 (+175 mbar)                            | 74.2 (+175 mbar) | 52.3–53.0         | 502 [19.8] |
| 390            | 470   | +425              | +410  | 5.5    | 6.6   | 76.8 (+267 mbar)                            | 76.1 (+250 mbar) | 54.5              | 536 [21.1] |

<sup>1)</sup> According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB  
1 m [39.4 inch] distance, at medium load, both connection sides piped

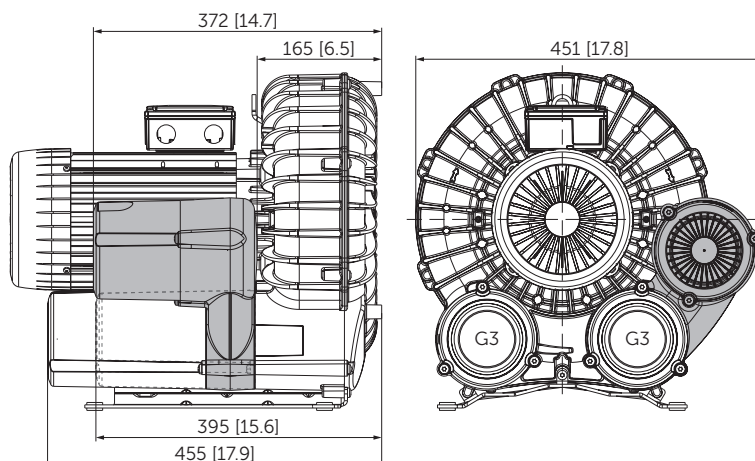
| 3~ Motors |       |           |                   |      |           |       |               |                   |      |                |                                             |
|-----------|-------|-----------|-------------------|------|-----------|-------|---------------|-------------------|------|----------------|---------------------------------------------|
| #         | 50 Hz |           |                   |      |           | 60 Hz |               |                   |      | Version        |                                             |
|           | kW    | V         | min <sup>-1</sup> | A    |           | kW    | V             | min <sup>-1</sup> | A    |                |                                             |
| 01        | 3.0   | Δ230/Y400 | IE3               | 2940 | 10.9/6.3  | 3.6   | Δ265/Y460     | IE3               | 3530 | 10.8/6.25      | UL • CSA<br>IP55 • ISO F • bimetal          |
|           |       |           |                   |      |           |       | Δ230/Y400     | IE3               | 3505 | 11.5/6.6       |                                             |
| 02        |       |           |                   |      |           | 3.6   | YY230/Y460    | IE3               | 3525 | 12.0/6.0       | UL • CSA • CC301B<br>IP55 • ISO F • bimetal |
|           |       |           |                   |      |           |       | YY208/Y –     |                   | 3505 | 12.7/ –        |                                             |
| 03        | 3.0   | Δ200/Y350 | IE3               | 2940 | 12.6/7.3  | 3.6   | Δ220/Y380–400 | IE3               | 3530 | 12.6/7.3–7.2   | IP55 • ISO F • bimetal                      |
|           |       |           |                   |      |           |       | Δ200/Y350     | IE3               | 3505 | 13.2/7.55      |                                             |
| 04        | 4.0   | Δ230/Y400 | IE3               | 2930 | 14.6/8.4  | 4.8   | Δ265/Y460     | IE3               | 3520 | 14.3/8.25      | UL • CSA<br>IP55 • ISO F • bimetal          |
|           |       |           |                   |      |           |       | Δ230/Y400     |                   | 3490 | 15.4/8.85      |                                             |
| 05        |       |           |                   |      |           | 4.8   | YY230/Y460    | IE3               | 3530 | 15.5/7.7       | UL • CSA • CC<br>IP55 • ISO F • bimetal     |
|           |       |           |                   |      |           |       | YY208         | IE3               | 3500 | 16.6           |                                             |
| 06        | 4.0   | Δ200/Y350 | IE3               | 2930 | 16.6/9.6  | 4.8   | Δ220/Y380–400 | IE3               | 3520 | 16.6/9.6–9.45  | IP55 • ISO F • bimetal                      |
|           |       |           |                   |      |           |       | Δ200/Y350     | IE3               | 3490 | 17.7/10.1      |                                             |
| 07        | 5.5   | Δ400/Y –  | IE3               | 2930 | 11.9/ –   | 6.6   | Δ460/Y –      | IE3               | 3520 | 11.5/ –        | UL • CSA<br>IP55 • ISO F • bimetal          |
|           |       |           |                   |      |           | 5.5   | Δ400/Y –      | IE3               | 3520 | 10.2/ –        |                                             |
| 08        |       |           |                   |      |           | 6.6   | Δ230/Y460     | IE3               | 3496 | 20.6/11.9      | UL • CSA • CC<br>IP55 • ISO F • bimetal     |
|           |       |           |                   |      |           |       | Δ265/Y460     | IE3               | 3528 | 19.9/11.5      |                                             |
|           |       |           |                   |      |           |       | Δ208/Y –      |                   | 3470 | 22.5           |                                             |
| 09        | 5.5   | Δ200/Y350 | IE3               | 2935 | 26.9/15.4 | 6.6   | Δ220/Y380–400 | IE3               | 3530 | 24.0/14.3–13.9 | IP55 • ISO F • bimetal                      |
|           |       |           |                   |      |           |       | Δ200/Y350     | IE3               | 3500 | 24.7/14.1      |                                             |



Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)  
Tolerance: ±10%  
Temperature: Ambient air -10°C ... 40°C (14°F ... 104°F), Inlet air 0°C ... 40°C (32°F ... 104°F)

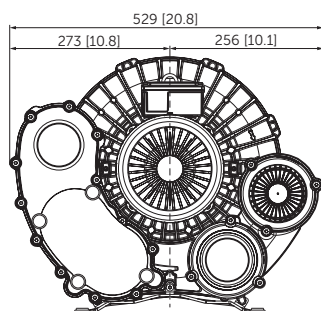
## **+** VARIANTS AND ACCESSORIES

### PRESSURE SAFETY VALVE

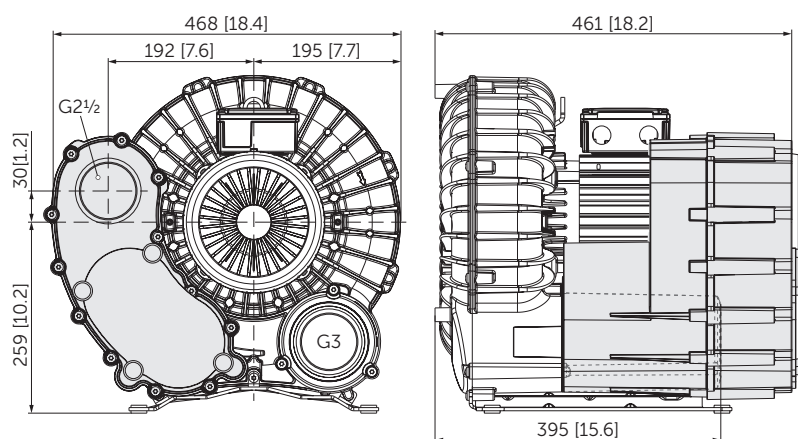


### SUCTION FILTER

- Paper or polyester insert

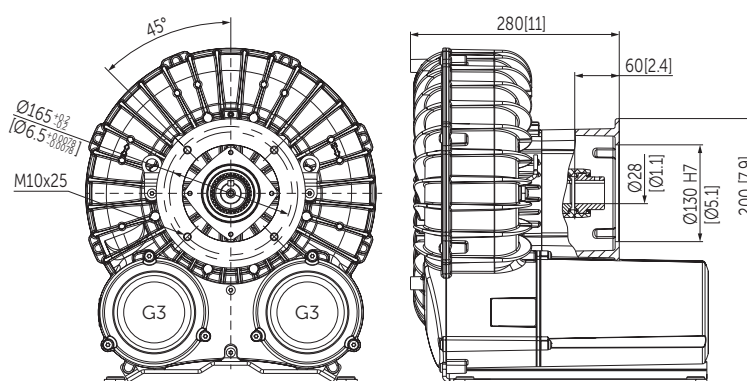


Suction filter & pressure safety valve



### WITHOUT MOTOR

- With coupling for flange motor
- The motor must be supported!



### OTHER VARIANTS AND ACCESSORIES

- With increased corrosion protection
- VARIAIR SV 400/1 with frequency inverter VAU11-22/3 for 100 Hz operation<sup>1)</sup>
- Sound proof box SH 18<sup>1)</sup> – Not with 5.5/6.6 kW motors!

<sup>1)</sup> See separate data sheet

- Dimensions in mm [inch] – For other dimensions, see the figure on page 2.
- Possible combinations on request



Sound proof box SH 18



**MAKE IT BECKER.**