

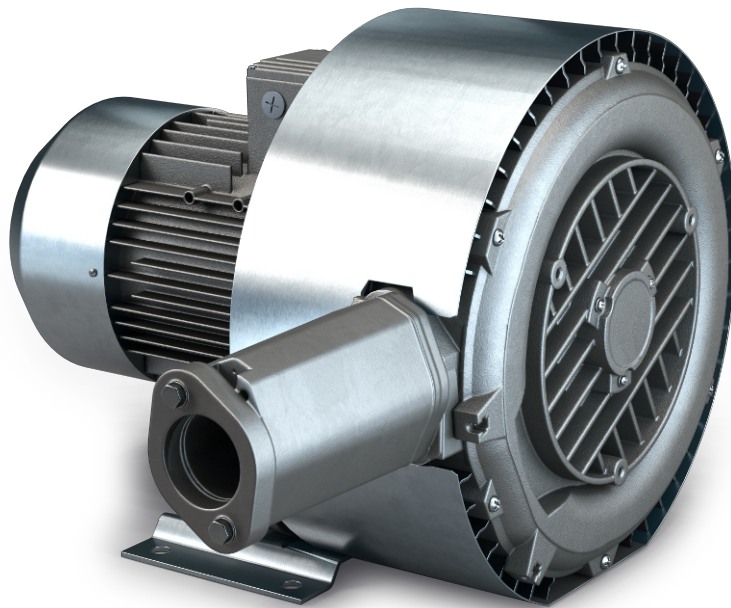
# SAMOS SB 0080-0200 D2

Side channel blowers



**VACUUM SOLUTIONS**

Part of the **BUSCH** GROUP



## Reliable

Robust construction, effective air cooling, long lifetime, nearly maintenance-free, dry and contact-free operating principle, high differential pressures thanks to two compression stages

## Flexible

Vacuum or overpressure operation, horizontal and vertical installation, various design options and ATEX-certified versions available

## Quiet

Very low noise level, fully enclosed unit, internal silencers

Accessories, spare parts and options

- Vacuum relief valves
- Pressure relief valves
- Additional silencers
- Thermal protection (bimetal switch or PTC-thermistor)

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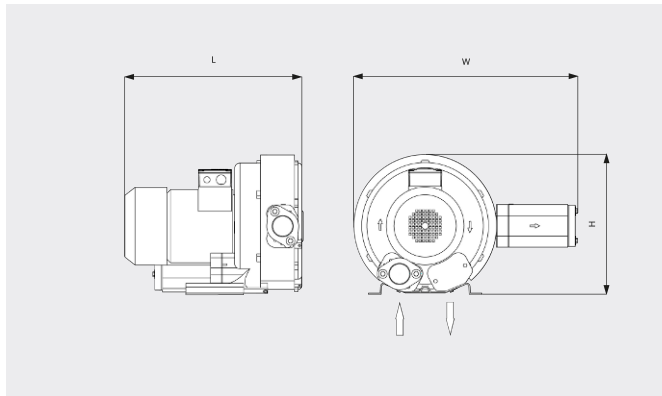
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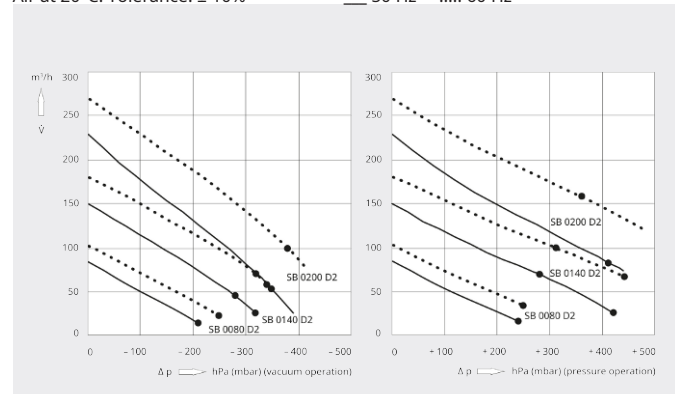
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%

— 50 Hz ..... 60 Hz



|                                                          | SAMOS SB 0080 D2                           | SAMOS SB 0140 D2                           | SAMOS SB 0140 D2                           | SAMOS SB 0200 D2                           |
|----------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| <b>Nominal pumping speed/volume flow</b>                 | 85 / 102 m³/h (50 / 60 Hz)                 | 150 / 180 m³/h (50 / 60 Hz)                | 150 / 180 m³/h (50 / 60 Hz)                | 230 / 270 m³/h (50 / 60 Hz)                |
| <b>Max. differential pressure (vacuum version)</b>       | -210 / -250 hPa (mbar) (50 / 60 Hz)        | -310 / -300 hPa (mbar) (50 / 60 Hz)        | -320 / -350 hPa (mbar) (50 / 60 Hz)        | -370 / -400 hPa (mbar) (50 / 60 Hz)        |
| <b>Max. differential pressure (overpressure version)</b> | +240 / +250 hPa (mbar) (50 / 60 Hz)        | +280 / +250 hPa (mbar) (50 / 60 Hz)        | +420 / +440 hPa (mbar) (50 / 60 Hz)        | +410 / +380 hPa (mbar) (50 / 60 Hz)        |
| <b>Max. operating power</b>                              | 0.7 / 0.83 kW (50 / 60 Hz)                 | 1.75 / 2.0 kW (50 / 60 Hz)                 | 2.5 / 3 kW (50 / 60 Hz)                    | 3.45 / 4 kW (50 / 60 Hz)                   |
| <b>Efficiency class</b>                                  | IE n.d.                                    | IE3                                        | IE3                                        | IE3                                        |
| <b>Service factor</b>                                    | 1.1                                        | 1.15                                       | 1.15                                       | 1.15                                       |
| <b>Nominal motor speed</b>                               | 2740 / 3340 min <sup>-1</sup> (50 / 60 Hz) | 2905 / 3505 min <sup>-1</sup> (50 / 60 Hz) | 2905 / 3505 min <sup>-1</sup> (50 / 60 Hz) | 2920 / 3520 min <sup>-1</sup> (50 / 60 Hz) |
| <b>Noise level (ISO 3744)</b>                            | 56 / 61 dB(A) (50 / 60 Hz)                 | 65 / 68 dB(A) (50 / 60 Hz)                 | 67 / 77 dB(A) (50 / 60 Hz)                 | 71 / 73 dB(A) (50 / 60 Hz)                 |
| <b>Weight approx.</b>                                    | 16 kg                                      | 32 kg                                      | 36 kg                                      | 50 kg                                      |
| <b>Dimensions (L x W x H)</b>                            | 316 x 458 x 270 mm                         | 406 x 482 x 355 mm                         | 446 x 482 x 355 mm                         | 548 x 616 x 408 mm                         |
| <b>Gas inlet / outlet</b>                                | G 1¼" / G 1¼"                              | G 1½" / G 1½"                              | G 1½" / G 1½"                              | G 2" / G 2"                                |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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