

SAMOS SB 0310–1100 D2

Side channel blowers



VACUUM SOLUTIONS



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

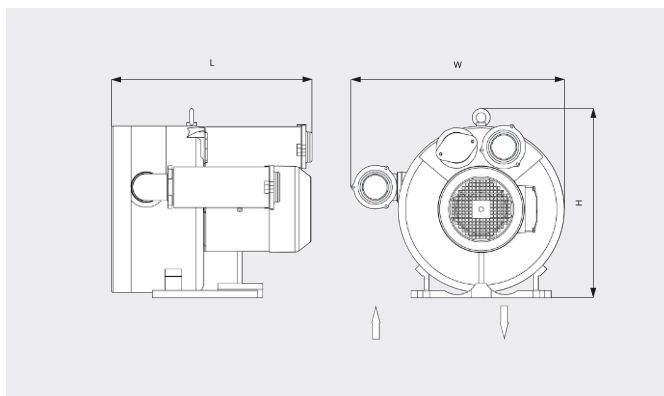
- Vacuum relief valves
- Pressure relief valves
- Additional silencers
- Thermal protection (bimetal switch or PTC-thermistor)

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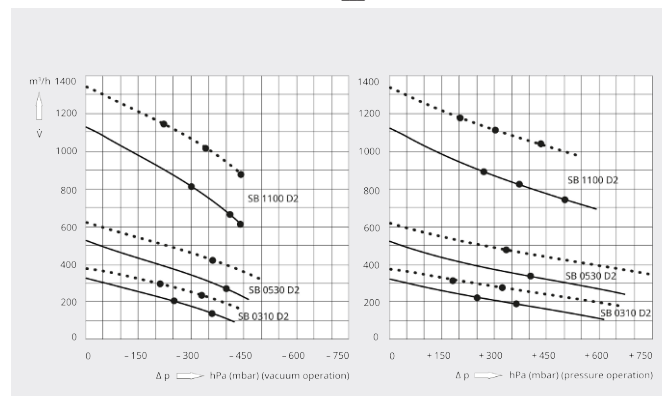


Dimensional drawing



Pumping speed/Volume flow
Air at 20°C. Tolerance: ± 10%

— 50 Hz 60 Hz



| | SAMOS SB 0310 D2 | SAMOS SB 0310 D2 | SAMOS SB 0530 D2 |
|---|--|--|--|
| Nominal pumping speed/volume flow | 320 / 370 m³/h (50 / 60 Hz) | 320 / 370 m³/h (50 / 60 Hz) | 520 / 620 m³/h (50 / 60 Hz) |
| Max. differential pressure (vacuum version) | -250 / -210 hPa (mbar) (50 / 60 Hz) | -360 / -330 hPa (mbar) (50 / 60 Hz) | -400 / -360 hPa (mbar) (50 / 60 Hz) |
| Max. differential pressure (overpressure version) | +250 / +180 hPa (mbar) (50 / 60 Hz) | +360 / +320 hPa (mbar) (50 / 60 Hz) | +400 / +330 hPa (mbar) (50 / 60 Hz) |
| Nominal motor rating | 3.0 / 3.4 kW (50 / 60 Hz) | 4.3 / 4.8 kW (50 / 60 Hz) | 7.5 / 8.6 kW (50 / 60 Hz) |
| Nominal motor speed | 2850 / 3450 min ⁻¹ (50 / 60 Hz) | 2850 / 3450 min ⁻¹ (50 / 60 Hz) | 2850 / 3450 min ⁻¹ (50 / 60 Hz) |
| Noise level (ISO 3744) | 73 / 75 dB(A) (50 / 60 Hz) | 73 / 75 dB(A) (50 / 60 Hz) | 74 / 78 dB(A) (50 / 60 Hz) |
| Weight approx. | 51 kg | 53 kg | 178 kg |
| Dimensions (L x W x H) | 528 x 656 x 420 mm | 528 x 656 x 420 mm | 601 x 639 x 516 mm |
| Gas inlet / outlet | G 2" / G 2" | G 2" / G 2" | G 2½" / G 2½" |

| | SAMOS SB 1100 D2 | SAMOS SB 1100 D2 | SAMOS SB 1100 D2 |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| Nominal pumping speed/volume flow | 1120 / 1340 m³/h (50 / 60 Hz) | 1120 / 1340 m³/h (50 / 60 Hz) | 1120 / 1340 m³/h (50 / 60 Hz) |
| Max. differential pressure (vacuum version) | -300 / -200 hPa (mbar) (50 / 60 Hz) | -410 / -340 hPa (mbar) (50 / 60 Hz) | -440 hPa (mbar) (50 / 60 Hz) |
| Max. differential pressure (overpressure version) | +270 / +200 hPa (mbar) (50 / 60 Hz) | +370 / +300 hPa (mbar) (50 / 60 Hz) | +500 / +430 hPa (mbar) (50 / 60 Hz) |
| Nominal motor rating | 12.5 / 14.5 kW (50 / 60 Hz) | 16.5 / 19.0 kW (50 / 60 Hz) | 20.0 / 23.0 kW (50 / 60 Hz) |

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|------------------------|--|--|--|
| Nominal motor speed | 2850 / 3450 min ⁻¹ (50 / 60 Hz) | 2850 / 3450 min ⁻¹ (50 / 60 Hz) | 2850 / 3450 min ⁻¹ (50 / 60 Hz) |
| Noise level (ISO 3744) | 74 / 84 dB(A) (50 / 60 Hz) | 74 / 84 dB(A) (50 / 60 Hz) | 74 / 84 dB(A) (50 / 60 Hz) |
| Weight approx. | 269 kg | 283 kg | 294 kg |
| Dimensions (L x W x H) | 860 x 1100 x 580 mm | 860 x 1100 x 580 mm | 860 x 1100 x 580 mm |
| Gas inlet / outlet | G 4" / G 4" | G 4" / G 4" | G 4" / G 4" |

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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