

SAMOS SB 0310–1100 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
- Additional silencers
- Thermal protection (bimetal switch or PTC-thermistor)
- Pressure relief valves

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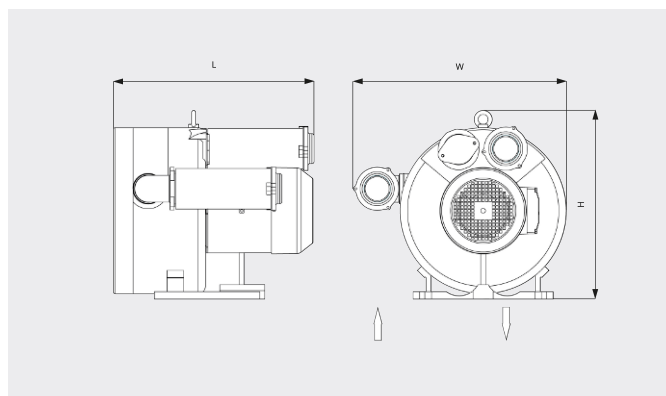
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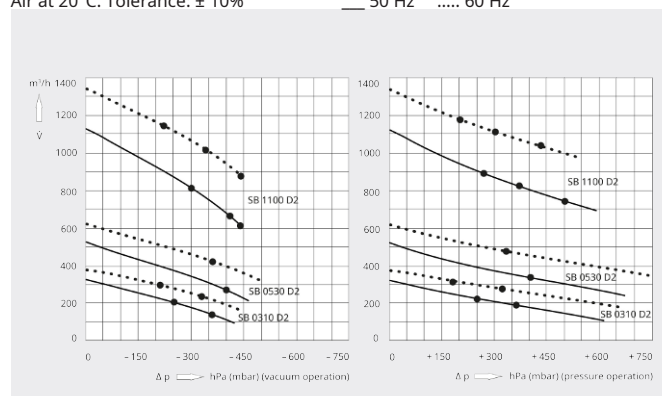
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 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)
Max. operating power	3.0 / 3.45 kW (50 / 60 Hz)	4.3 / 4.8 kW (50 / 60 Hz)	7.5 / 8.6 kW (50 / 60 Hz)
Efficiency class	IE n.d.	IE n.d.	IE n.d.
Service factor	1.0	1.0	1.0
Nominal motor speed	2860 / 3435 min ⁻¹ (50 / 60 Hz)	2915 / 3495 min ⁻¹ (50 / 60 Hz)	2935 / 3490 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	71 / 75 dB(A) (50 / 60 Hz)	71 / 75 dB(A) (50 / 60 Hz)	71 / 76 dB(A) (50 / 60 Hz)
Weight approx.	52 kg	62 kg	160 kg
Dimensions (L x W x H)	510 x 657 x 434 mm	500 x 657 x 434 mm	632 x 622 x 541 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)	-270 / -220 hPa (mbar) (50 / 60 Hz)	-410 / -360 hPa (mbar) (50 / 60 Hz)	-440 hPa (mbar) (50 / 60 Hz)

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	SAMOS SB 1100 D2	SAMOS SB 1100 D2	SAMOS SB 1100 D2
Max. differential pressure (overpressure version)	+240 / +190 hPa (mbar) (50 / 60 Hz)	+360 / +300 hPa (mbar) (50 / 60 Hz)	+480 / +410 hPa (mbar) (50 / 60 Hz)
Max. operating power	12.6 / 14.5 kW (50 / 60 Hz)	17.3 / 19.9 kW (50 / 60 Hz)	21.3 / 24.5 kW (50 / 60 Hz)
Efficiency class	IE3	IE3	IE3
Service factor	1.15	1.15	1.15
Nominal motor speed	2955 / 3555 min ⁻¹ (50 / 60 Hz)	2960 / 3560 min ⁻¹ (50 / 60 Hz)	2955 / 3550 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	72 / 76 dB(A) (50 / 60 Hz)	72 / 76 dB(A) (50 / 60 Hz)	72 / 76 dB(A) (50 / 60 Hz)
Weight approx.	299 kg	307 kg	321 kg
Dimensions (L x W x H)	873 x 1100 x 665 mm	873 x 1100 x 665 mm	873 x 1100 x 665 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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