

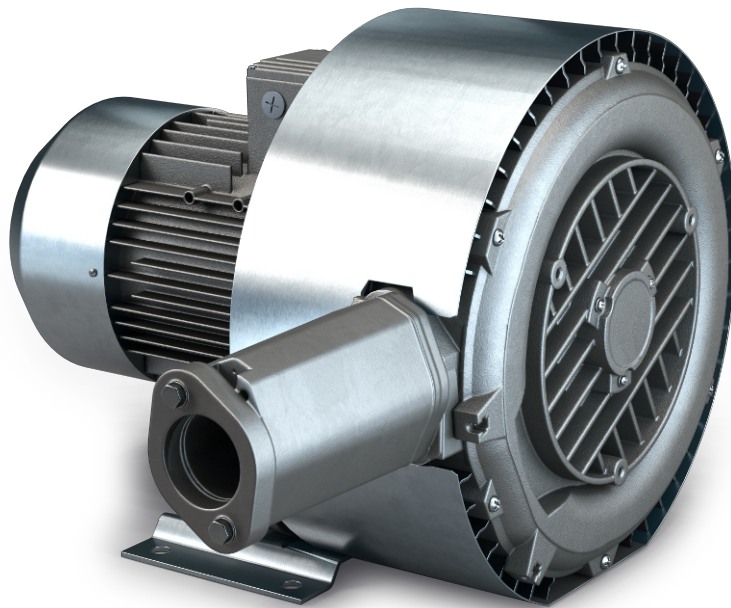
SAMOS SB 0080-0200 D2

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

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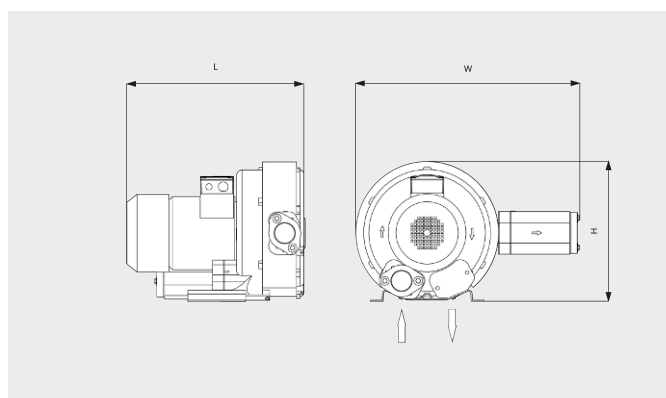
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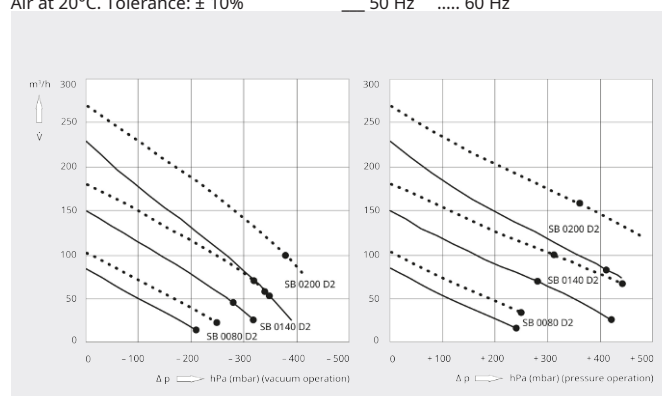
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	SAMOS SB 0080 D2	SAMOS SB 0140 D2	SAMOS SB 0140 D2	SAMOS SB 0200 D2
Nominal pumping speed/volume flow	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)
Max. differential pressure (vacuum version)	-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)
Max. differential pressure (overpressure version)	+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)
Max. operating power	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)
Efficiency class	IE n.d.	IE3	IE3	IE3
Service factor	1.1	1.15	1.15	1.15
Nominal motor speed	2740 / 3340 min ⁻¹ (50 / 60 Hz)	2905 / 3505 min ⁻¹ (50 / 60 Hz)	2905 / 3505 min ⁻¹ (50 / 60 Hz)	2920 / 3520 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	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)
Weight approx.	16 kg	32 kg	36 kg	50 kg
Dimensions (L x W x H)	316 x 458 x 270 mm	406 x 482 x 355 mm	446 x 482 x 355 mm	548 x 616 x 408 mm
Gas inlet / outlet	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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