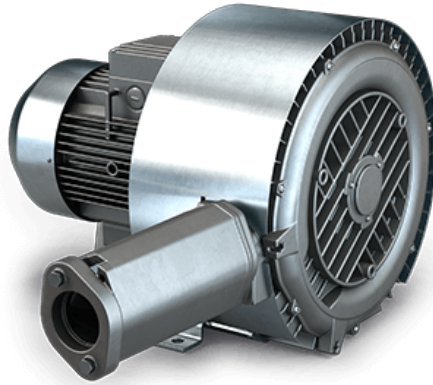


SAMOS SB 0080–0200 D2

Side channel blowers



Discover all advantages of the product series SAMOS SB

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

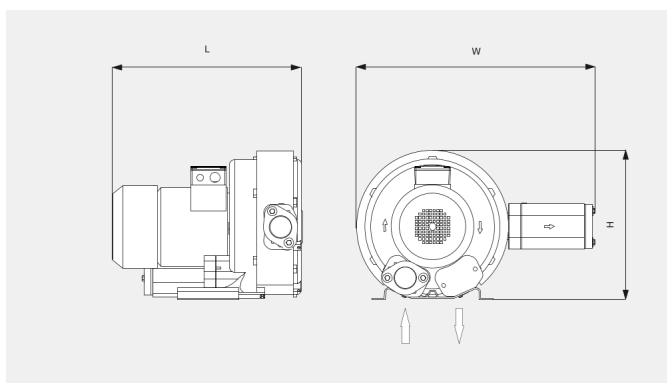
- Vacuum relief valves
- Pressure relief valves
- Additional silencers
- Thermal protection (bimetal switch or PTC-thermistor)

SAMOS SB 0080–0200 D2

Side channel blowers

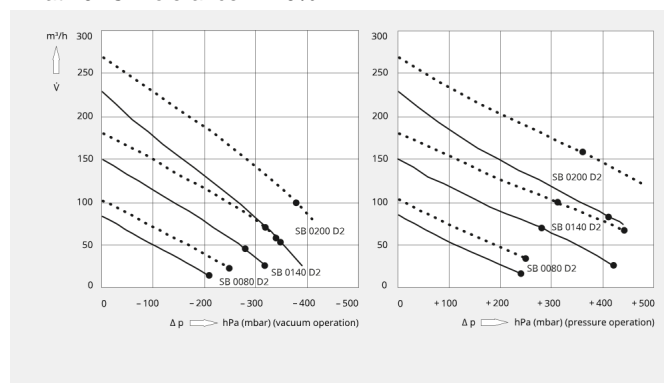


Dimensional drawing



Pumping speed/Volume flow

Air at 20 °C. Tolerance: ± 10%



The following technical values refer to ISO 50 Hz

	SAMOS SB 0080 D2	SAMOS SB 0140 D2 (A)	SAMOS SB 0140 D2 (B)	SAMOS SB 0200 D2
Technology short name	Side channel	Side channel	Side channel	Side channel
Nominal pumping speed/volume flow	85 m ³ /h	150 m ³ /h	150 m ³ /h	230 m ³ /h
Max. differential pressure (vacuum version)	-210 hPa (mbar)	-310 hPa (mbar)	-320 hPa (mbar)	-370 hPa (mbar)
Max. differential pressure (overpressure version)	+240 hPa (mbar)	+280 hPa (mbar)	+420 hPa (mbar)	+410 hPa (mbar)
Max. operating power	0.7 kW	1.75 kW	2.5 kW	3.45 kW
Efficiency class	IE n.d.	IE3	IE3	IE3
Service factor	1.1	1.15	1.15	1.15
Nominal motor speed	2740 min ⁻¹	2905 min ⁻¹	2905 min ⁻¹	2920 min ⁻¹
Noise level (ISO 3744)	56 dB(A)	65 dB(A)	67 dB(A)	71 dB(A)
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
spring elements mandatory	no	no	no	yes
Gas inlet	G 1¼"	G 1½"	G 1½"	G 2"
Gas outlet	G 1¼"	G 1½"	G 1½"	G 2"

SAMOS SB 0080–0200 D2

Side channel blowers



The following technical values refer to ISO 60 Hz

	SAMOS SB 0080 D2	SAMOS SB 0140 D2 (A)	SAMOS SB 0140 D2 (B)	SAMOS SB 0200 D2
Technology short name	Side channel	Side channel	Side channel	Side channel
Nominal pumping speed/volume flow	102 m ³ /h	180 m ³ /h	180 m ³ /h	270 m ³ /h
Max. differential pressure (vacuum version)	-250 hPa (mbar)	-300 hPa (mbar)	-350 hPa (mbar)	-400 hPa (mbar)
Max. differential pressure (overpressure version)	+250 hPa (mbar)	+250 hPa (mbar)	+440 hPa (mbar)	+380 hPa (mbar)
Max. operating power	0.83 kW	2.0 kW	3 kW	4 kW
Efficiency class	IE n.d.	IE3	IE3	IE3
Service factor	1.1	1.15	1.15	1.15
Nominal motor speed	3340 min ⁻¹	3505 min ⁻¹	3505 min ⁻¹	3520 min ⁻¹
Noise level (ISO 3744)	61 dB(A)	68 dB(A)	77 dB(A)	73 dB(A)
Weight approx.	16 kg	32 kg	36 kg	50 kg
Dimensions (L x W x H)	316 x 458 x 270 mm	448 x 482 x 355 mm	448 x 482 x 355 mm	548 x 597 x 408 mm
spring elements mandatory	no	no	no	yes
Gas inlet	G 1¼"	G 1½"	G 1½"	G 2"
Gas outlet	G 1¼"	G 1½"	G 1½"	G 2"

DO YOU WANT TO KNOW MORE

Please contact us!
sales@busch.co.nz or +64 (0)800 428 724



CONTACT FORM



CALL US NOW