

SAMOS SB 0710–1400 D0

Side channel blowers



Reliable

Robust construction, effective air cooling, long lifetime, nearly maintenance-free, dry and contact-free operating principle

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

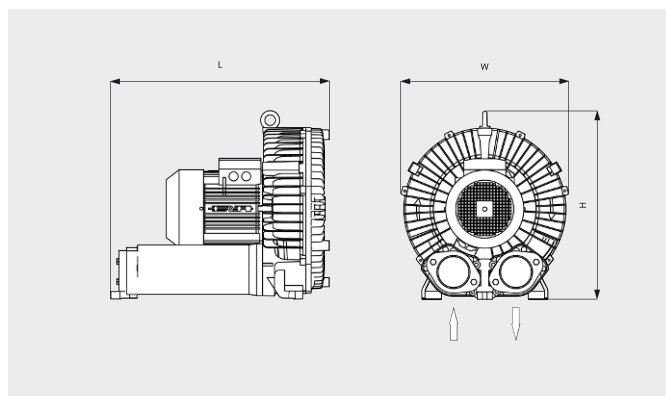
- Vacuum relief valves
- Pressure relief valves
- Additional silencers
- Thermal protection (bimetal switch or PTC-thermistor)

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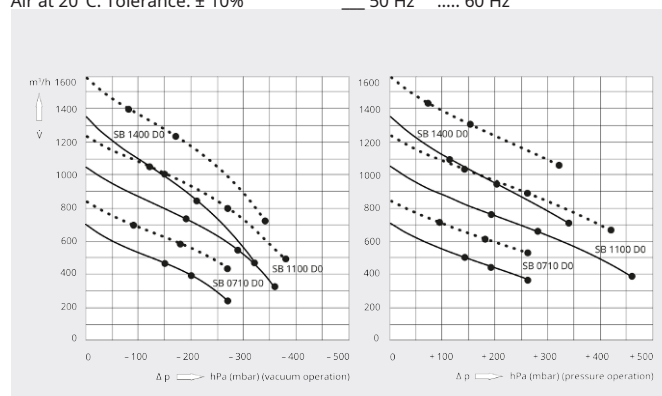
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	SAMOS SB 0710 D0	SAMOS SB 0710 D0	SAMOS SB 0710 D0
Nominal pumping speed/volume flow	700 / 820 m³/h (50 / 60 Hz)	700 / 820 m³/h (50 / 60 Hz)	700 / 820 m³/h (50 / 60 Hz)
Max. differential pressure (vacuum version)	-150 / -90 hPa (mbar) (50 / 60 Hz)	-200 / -180 hPa (mbar) (50 / 60 Hz)	-270 hPa (mbar) (50 / 60 Hz)
Max. differential pressure (overpressure version)	+140 / +90 hPa (mbar) (50 / 60 Hz)	+190 / +180 hPa (mbar) (50 / 60 Hz)	+260 hPa (mbar) (50 / 60 Hz)
Max. operating power	4.0 / 4.6 kW (50 / 60 Hz)	5.5 / 6.3 kW (50 / 60 Hz)	7.5 / 8.6 kW (50 / 60 Hz)
Nominal motor speed	2915 / 3500 min ⁻¹ (50 / 60 Hz)	2900 / 3450 min ⁻¹ (50 / 60 Hz)	2935 / 3490 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	69 / 71 dB(A) (50 / 60 Hz)	71 / 75 dB(A) (50 / 60 Hz)	71 / 75 dB(A) (50 / 60 Hz)
Weight approx.	115 kg	118 kg	124 kg
Dimensions (L x W x H)	530 x 486 x 530 mm	551 x 486 x 530 mm	551 x 486 x 530 mm
Gas inlet / outlet	G 2½" / G 2½"	G 2½" / G 2½"	G 2½" / G 2½"

	SAMOS SB 1100 D0	SAMOS SB 1100 D0	SAMOS SB 1100 D0
Nominal pumping speed/volume flow	1050 / 1250 m³/h (50 / 60 Hz)	1050 / 1250 m³/h (50 / 60 Hz)	1050 / 1250 m³/h (50 / 60 Hz)
Max. differential pressure (vacuum version)	-190 / -150 hPa (mbar) (50 / 60 Hz)	-290 / -270 hPa (mbar) (50 / 60 Hz)	-360 hPa (mbar) (50 / 60 Hz)
Max. differential pressure (overpressure version)	+190 / +140 hPa (mbar) (50 / 60 Hz)	+280 / +260 hPa (mbar) (50 / 60 Hz)	+460 / +420 hPa (mbar) (50 / 60 Hz)
Max. operating power	8.5 / 9.8 kW (50 / 60 Hz)	12.5 / 14.5 kW (50 / 60 Hz)	18.5 / 21.3 kW (50 / 60 Hz)

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VACUUM SOLUTIONS

	SAMOS SB 1100 D0	SAMOS SB 1100 D0	SAMOS SB 1100 D0
Nominal motor speed	2915 / 3490 min ⁻¹ (50 / 60 Hz)	2920 / 3500 min ⁻¹ (50 / 60 Hz)	2910 / 3500 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	71 / 75 dB(A) (50 / 60 Hz)	74 / 78 dB(A) (50 / 60 Hz)	74 / 78 dB(A) (50 / 60 Hz)
Weight approx.	186 kg	202 kg	221 kg
Dimensions (L x W x H)	727 x 555 x 625 mm	727 x 555 x 625 mm	727 x 555 x 625 mm
Gas inlet / outlet	G 4" / G 4"	G 4" / G 4"	G 4" / G 4"

	SAMOS SB 1400 D0	SAMOS SB 1400 D0	SAMOS SB 1400 D0
Nominal pumping speed/volume flow	1320 / 1580 m ³ /h (50 / 60 Hz)	1320 / 1580 m ³ /h (50 / 60 Hz)	1320 / 1580 m ³ /h (50 / 60 Hz)
Max. differential pressure (vacuum version)	-120 / -80 hPa (mbar) (50 / 60 Hz)	-210 / -170 hPa (mbar) (50 / 60 Hz)	-320 / -340 hPa (mbar) (50 / 60 Hz)
Max. differential pressure (overpressure version)	+110 / +70 hPa (mbar) (50 / 60 Hz)	+200 / +150 hPa (mbar) (50 / 60 Hz)	+340 / +320 hPa (mbar) (50 / 60 Hz)
Max. operating power	8.5 / 9.8 kW (50 / 60 Hz)	12.5 / 14.5 kW (50 / 60 Hz)	18.5 / 21.3 kW (50 / 60 Hz)
Nominal motor speed	2915 / 3490 min ⁻¹ (50 / 60 Hz)	2920 / 3500 min ⁻¹ (50 / 60 Hz)	2910 / 3500 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 3744)	71 / 75 dB(A) (50 / 60 Hz)	74 / 78 dB(A) (50 / 60 Hz)	74 / 78 dB(A) (50 / 60 Hz)
Weight approx.	157 kg	174 kg	193 kg
Dimensions (L x W x H)	727 x 555 x 625 mm	727 x 555 x 625 mm	727 x 555 x 625 mm
Gas inlet / outlet	G 4" / G 4"	G 4" / G 4"	G 4" / G 4"

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