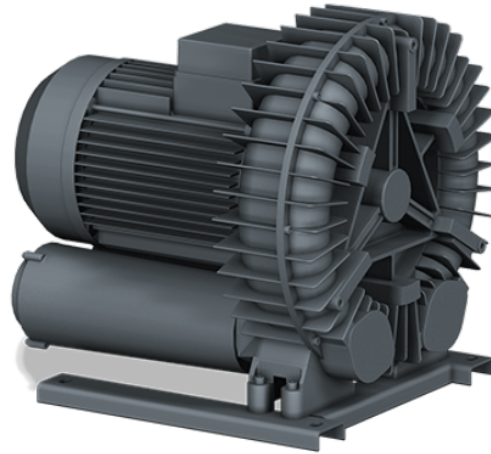


SAMOS SI 0540/1150 E1

Side channel blowers



VACUUM SOLUTIONS



Discover all advantages of the product series SAMOS SI

Reliable

Robust and light-weight construction, effective air cooling, long lifetime, nearly maintenance-free, dry and contact-free operating principle, protection against overheating

Flexible

Vacuum or overpressure operation, horizontal and vertical installation

Quiet

Low noise level, fully enclosed unit, internal silencers

Accessories

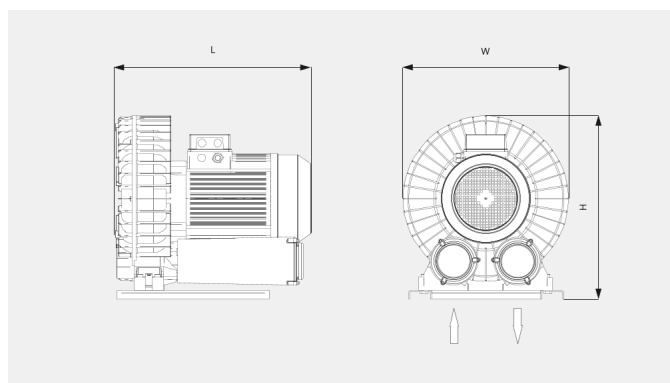
- Vacuum relief valves
- Pressure relief valves
- Additional silencers

SAMOS SI 0540/1150 E1

Side channel blowers

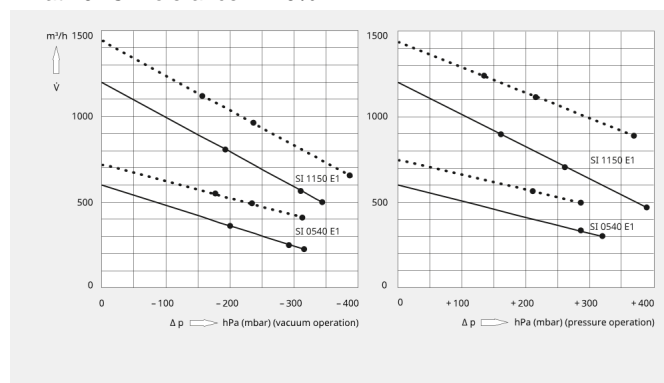


Dimensional drawing



Pumping speed/Volume flow

Air at 20 °C. Tolerance: ± 10%



The following technical values refer to ISO 50 Hz

	SAMOS SI 0540 E1 (A)	SAMOS SI 0540 E1 (B)	SAMOS SI 1150 E1 (A)
Technology short name	Side channel	Side channel	Side channel
Nominal pumping speed/volume flow	600 m³/h	600 m³/h	1200 m³/h
Max. differential pressure (vacuum version)	-295 hPa (mbar)	-315 hPa (mbar)	-185 hPa (mbar)
Max. differential pressure (overpressure version)	+285 hPa (mbar)	+320 hPa (mbar)	+155 hPa (mbar)
Max. operating power	7.5 kW	9.0 kW	11.0 kW
Nominal motor speed	3000 min ⁻¹	3000 min ⁻¹	3000 min ⁻¹
Noise level (ISO 3744)	78 dB(A)	78 dB(A)	82 dB(A)
Weight approx.	102 kg	102 kg	205 kg
Dimensions (L x W x H)	602 x 530 x 583 mm	602 x 530 x 583 mm	719 x 570 x 631 mm
Gas inlet	G 2½"	G 2½"	G 4"
Gas outlet	G 2½"	G 2½"	G 4"

The following technical values refer to ISO 50 Hz

	SAMOS SI 1150 E1 (B)	SAMOS SI 1150 E1 (C)
Technology short name	Side channel	Side channel
Nominal pumping speed/volume flow	1200 m³/h	1200 m³/h

SAMOS SI 0540/1150 E1

Side channel blowers



	SAMOS SI 1150 E1 (B)	SAMOS SI 1150 E1 (C)
Max. differential pressure (vacuum version)	-315 hPa (mbar)	-345 hPa (mbar)
Max. differential pressure (overpressure version)	+265 hPa (mbar)	+390 hPa (mbar)
Max. operating power	15.0 kW	20.0 kW
Nominal motor speed	3000 min ⁻¹	3000 min ⁻¹
Noise level (ISO 3744)	82 dB(A)	82 dB(A)
Weight approx.	205 kg	205 kg
Dimensions (L x W x H)	719 x 570 x 631 mm	719 x 570 x 631 mm
Gas inlet	G 4"	G 4"
Gas outlet	G 4"	G 4"

The following technical values refer to ISO 60 Hz

	SAMOS SI 0540 E1 (A)	SAMOS SI 0540 E1 (B)	SAMOS SI 1150 E1 (A)
Technology short name	Side channel	Side channel	Side channel
Nominal pumping speed/volume flow	720 m ³ /h	720 m ³ /h	1440 m ³ /h
Max. differential pressure (vacuum version)	-225 hPa (mbar)	-315 hPa (mbar)	-155 hPa (mbar)
Max. differential pressure (overpressure version)	+205 hPa (mbar)	+285 hPa (mbar)	+125 hPa (mbar)
Max. operating power	8.6 kW	10.4 kW	12.6 kW
Nominal motor speed	3600 min ⁻¹	3600 min ⁻¹	3600 min ⁻¹
Noise level (ISO 3744)	84 dB(A)	84 dB(A)	84 dB(A)
Weight approx.	102 kg	102 kg	205 kg
Dimensions (L x W x H)	602 x 530 x 583 mm	602 x 530 x 583 mm	719 x 570 x 631 mm
Gas inlet	G 2½"	G 2½"	G 4"
Gas outlet	G 2½"	G 2½"	G 4"

SAMOS SI 0540/1150 E1

Side channel blowers



The following technical values refer to ISO 60 Hz

	SAMOS SI 1150 E1 (B)	SAMOS SI 1150 E1 (C)
Technology short name	Side channel	Side channel
Nominal pumping speed/volume flow	1440 m ³ /h	1440 m ³ /h
Max. differential pressure (vacuum version)	-245 hPa (mbar)	-390 hPa (mbar)
Max. differential pressure (overpressure version)	+215 hPa (mbar)	+370 hPa (mbar)
Max. operating power	17.3 kW	25.2 kW
Nominal motor speed	3600 min ⁻¹	3600 min ⁻¹
Noise level (ISO 3744)	84 dB(A)	84 dB(A)
Weight approx.	205 kg	205 kg
Dimensions (L x W x H)	719 x 570 x 631 mm	719 x 570 x 631 mm
Gas inlet	G 4"	G 4"
Gas outlet	G 4"	G 4"

DO YOU WANT TO KNOW MORE

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



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