

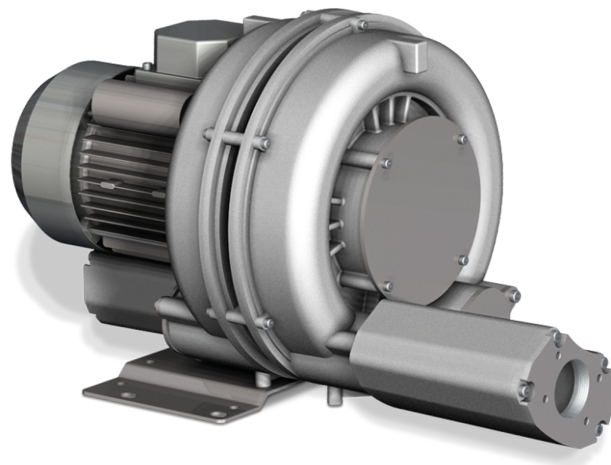
# SAMOS SI 0090-0210 E2

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, protection against overheating

## Flexible

Vacuum or overpressure operation, horizontal and vertical installation

## Quiet

Low noise level, fully enclosed unit, internal silencers

Accessories, spare parts and options

- Vacuum relief valves
- Pressure relief valves
- Additional silencers

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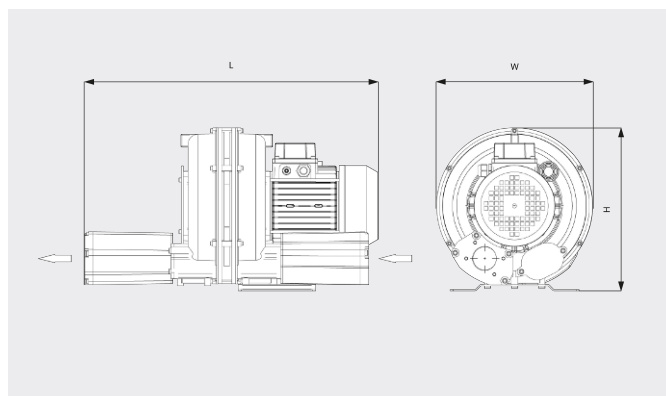
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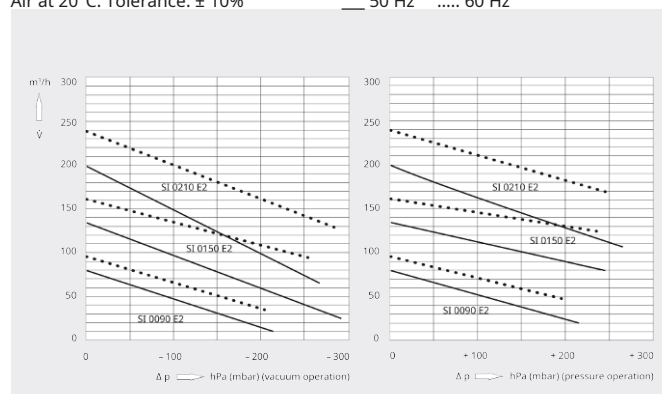
Dimensional drawing



Pumping speed / Volume flow

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                                   | SAMOS SI 0090 E2                           | SAMOS SI 0150 E2                           | SAMOS SI 0210 E2                           |
|---------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| Nominal pumping speed/volume flow                 | 80 / 96 m³/h (50 / 60 Hz)                  | 135 / 162 m³/h (50 / 60 Hz)                | 200 / 240 m³/h (50 / 60 Hz)                |
| Max. differential pressure (vacuum version)       | -215 / -205 hPa (mbar) (50 / 60 Hz)        | -295 / -255 hPa (mbar) (50 / 60 Hz)        | -265 / -280 hPa (mbar) (50 / 60 Hz)        |
| Max. differential pressure (overpressure version) | +215 / +235 hPa (mbar) (50 / 60 Hz)        | +255 / +235 hPa (mbar) (50 / 60 Hz)        | +265 / +245 hPa (mbar) (50 / 60 Hz)        |
| Max. operating power                              | 0.7 / 0.9 kW (50 / 60 Hz)                  | 1.5 / 1.7 kW (50 / 60 Hz)                  | 2.2 / 2.5 kW (50 / 60 Hz)                  |
| Nominal motor speed                               | 3000 / 3600 min <sup>-1</sup> (50 / 60 Hz) | 3000 / 3600 min <sup>-1</sup> (50 / 60 Hz) | 3000 / 3600 min <sup>-1</sup> (50 / 60 Hz) |
| Noise level (ISO 3744)                            | 64 / 68 dB(A) (50 / 60 Hz)                 | 65 / 68 dB(A) (50 / 60 Hz)                 | 72 dB(A) (50 / 60 Hz)                      |
| Weight approx.                                    | 16 kg                                      | 25 kg                                      | 31 kg                                      |
| Dimensions (L x W x H)                            | 535 x 245 x 251 mm                         | 543 x 302 x 316 mm                         | 297 x 334 x 341 mm                         |
| Gas inlet / outlet                                | G 1¼" / G 1¼"                              | G 1½" / G 1½"                              | G 1½" / G 1½"                              |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
[info@busch.fi](mailto:info@busch.fi) or +358 (0)9 774 60 60



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