

DATA SHEET

SV 1100/1

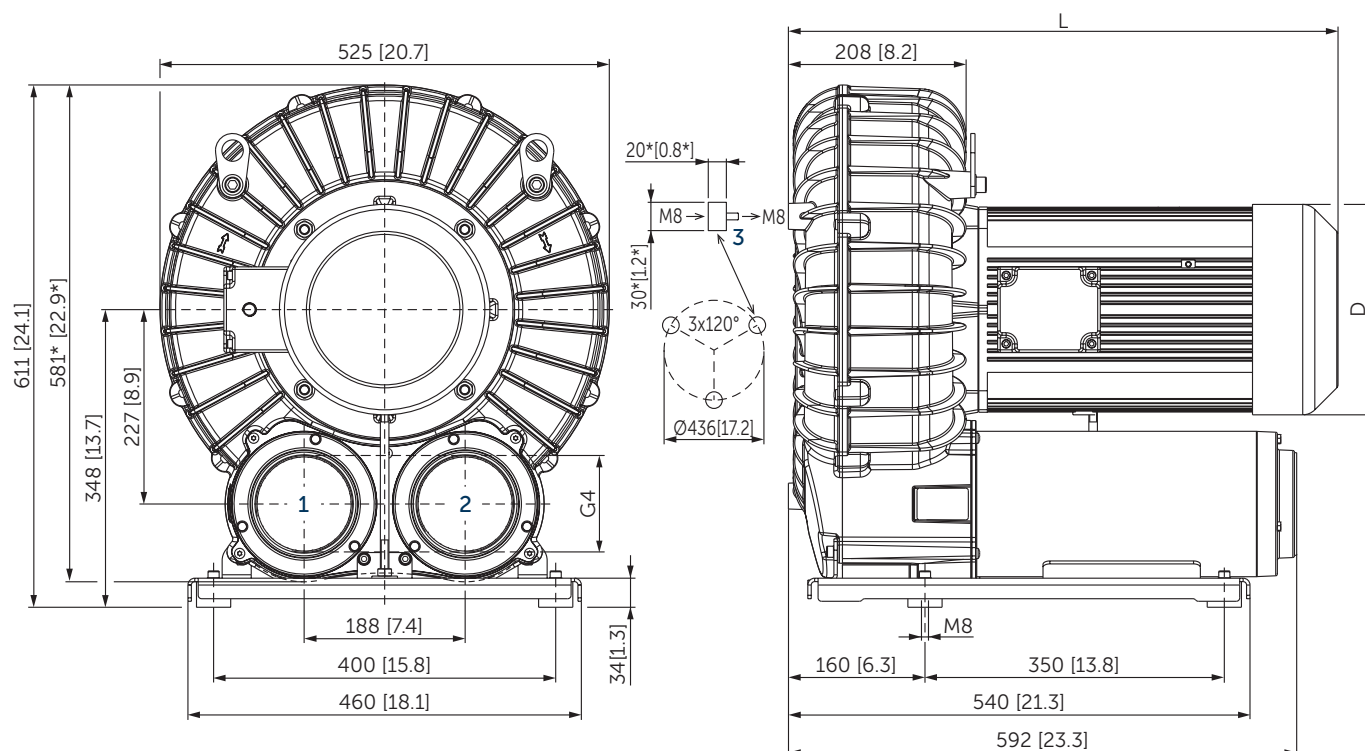
SIDE CHANNEL VACUUM PUMPS

single stage

air-cooled

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1 Vacuum connection (G4)

2 Pressure connection (G4)

3 Rubber buffer position (optional)

* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover

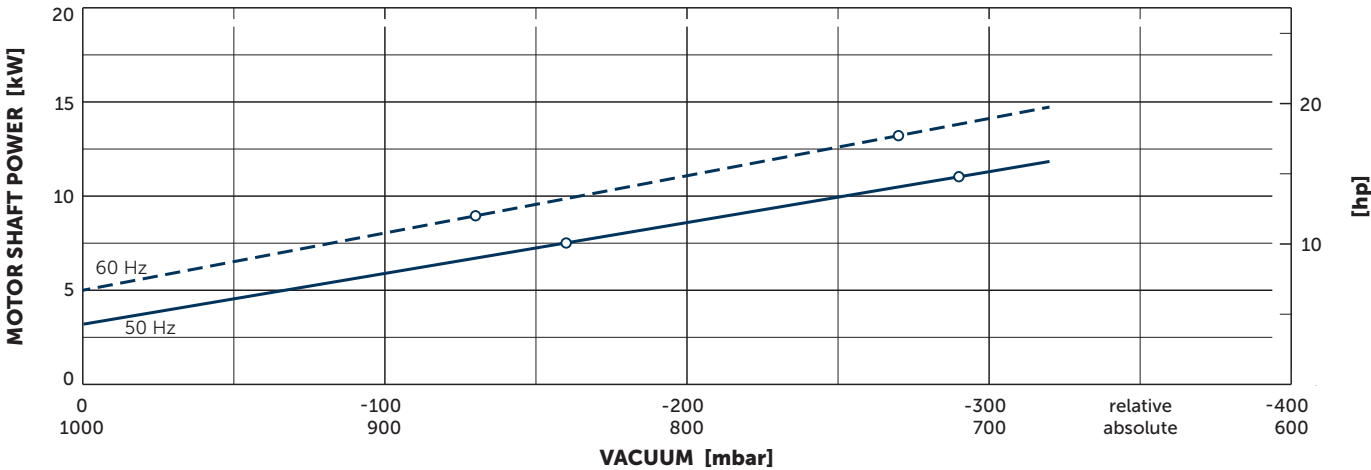
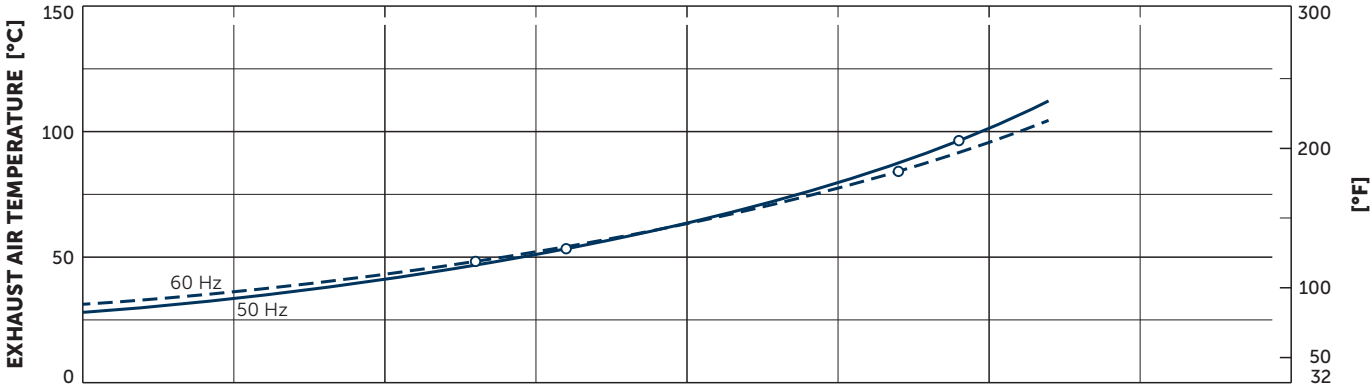
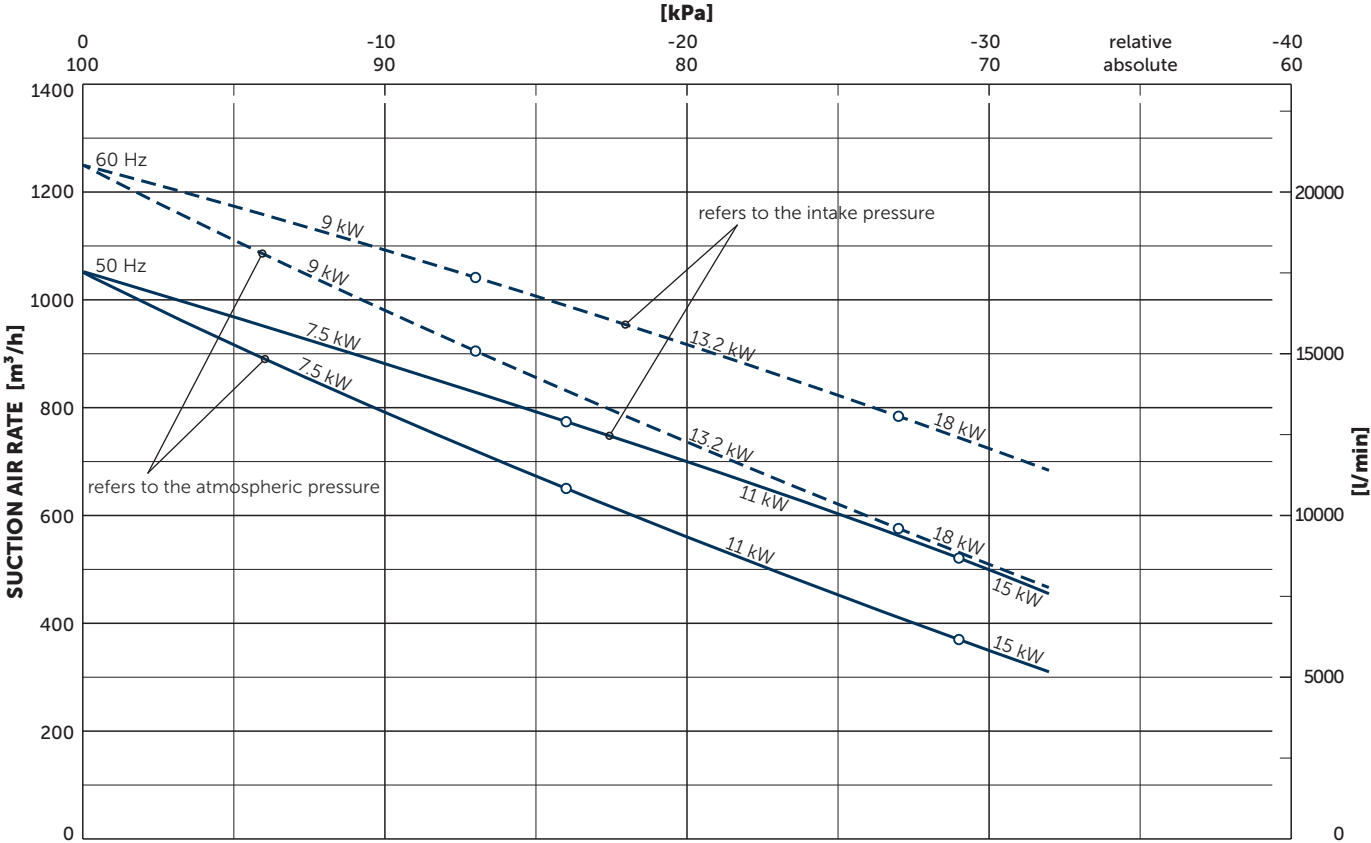
▪ The motor illustration may vary

▪ Dimensions in mm [inch]

Suction air rate		Vacuum relative		Motors		Emission sound pressure level ¹⁾		Weight with motor	D	L
m ³ /h		mbar		kW		dB(A)		kg	mm [inch]	mm [inch]
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz			
1050	1250	-160	-130	7.5	9.0	73 (-110 mbar)	77 (-90 mbar)	118	246 [9.7]	622 [24.5]
1050	1250	-290	-270	11.0	13.2	75 (-195 mbar)	79 (-180 mbar)	125	246 [9.7]	643 [25.3]
1050	1250	-320	-320	15.0	18.0	75 (-215 mbar)	79 (-215 mbar)	157	312 [12.3]	680 [26.8]

¹⁾ According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m [39.4 inch] distance, at medium load, both connection sides piped

3~ Motors											
#	50 Hz					60 Hz				Version	
	kW	V		min ⁻¹	A	kW	V	min ⁻¹	A		
01	7.5	Δ400	IE3	2910	13.5	9.0	Δ460 Δ400	IE3 3450	13.9 16.1	UL • CSA IP55 • ISO F • bimetal	
02						9.0	YY230/Y460 YY208	IE3 3475	27.8/13.9 30.7	UL • CSA IP55 • ISO F • bimetal	
03	7.5	Δ200/Y350	IE3	2920	27.0/15.6	9.0	Δ220/Y380–400 Δ200/Y350	IE3 3465	29.1/16.8 31.7/18.3	IP55 • ISO F • bimetal	
04	11.0	Δ400	IE3	2930	21.8	13.2	Δ460 Δ400	IE3 3490	21.9 23.7	UL • CSA IP55 • ISO F • bimetal	
05						13.2	YY230/Y460 YY208	IE3 3505	44.8/22.4 46.5	UL • CSA IP55 • ISO F • bimetal	
06	11.0	Δ200/Y350	IE3	2920	41.4/23.9	13.2	Δ220/Y380–400 Δ200/Y350	IE3 3465	43.3/25.0 46.8/27.0	IP55 • ISO F • bimetal	
07	15.0	Δ400	IE3	2950	27.7	18.0	Δ460 Δ400	IE3 3520	28.0 31.5	UL • CSA IP55 • ISO F • bimetal	
08						18.0	YY230/Y460 YY208	IE3 3525	56.0/28.0 60.5	UL • CSA IP55 • ISO F • bimetal	
09	15.0	Δ200/Y350	IE2	2950	58.3/33.7	18.0	Δ220/Y380–400 Δ200/Y350	IE3 IE2	3545 3525	58.5/33.8 62.5/36.0	IP55 • ISO F • bimetal

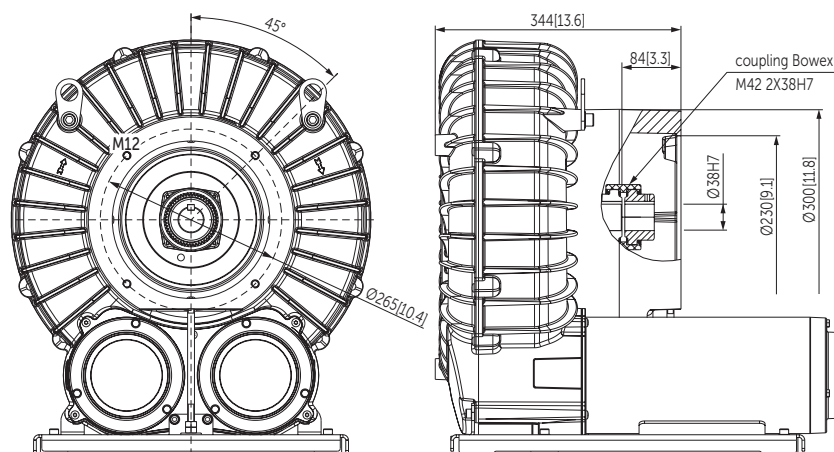


Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%
Temperature: Ambient air -10°C ... 40°C (14°F ... 104°F), Inlet air 0°C ... 40°C (32°F ... 104°F)

+ VARIANTS AND ACCESSORIES

WITHOUT MOTOR

- With coupling for flange motor
- Standard DIN EN 50347
- Flange size FF265
- Shaft end $\varnothing 38 \times 80$ mm [$\approx 1.5 \times 3.2$ inch]
- Max. size BG160
- The motor must be supported!



OTHER VARIANTS AND ACCESSORIES

- SV 1100/1 for the operation with an external frequency inverter (20–80 Hz) ¹⁾
- External suction filter ¹⁾
- External vacuum safety valve
- Increased corrosion protection
- Rubber buffers for vertical installation



Example for an external suction filter

¹⁾ See separate data sheet

- Dimensions in mm [inch] – For other dimensions, see the figure on page 2.
- Possible combinations on request



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