DATA SHEET

SV 700/1

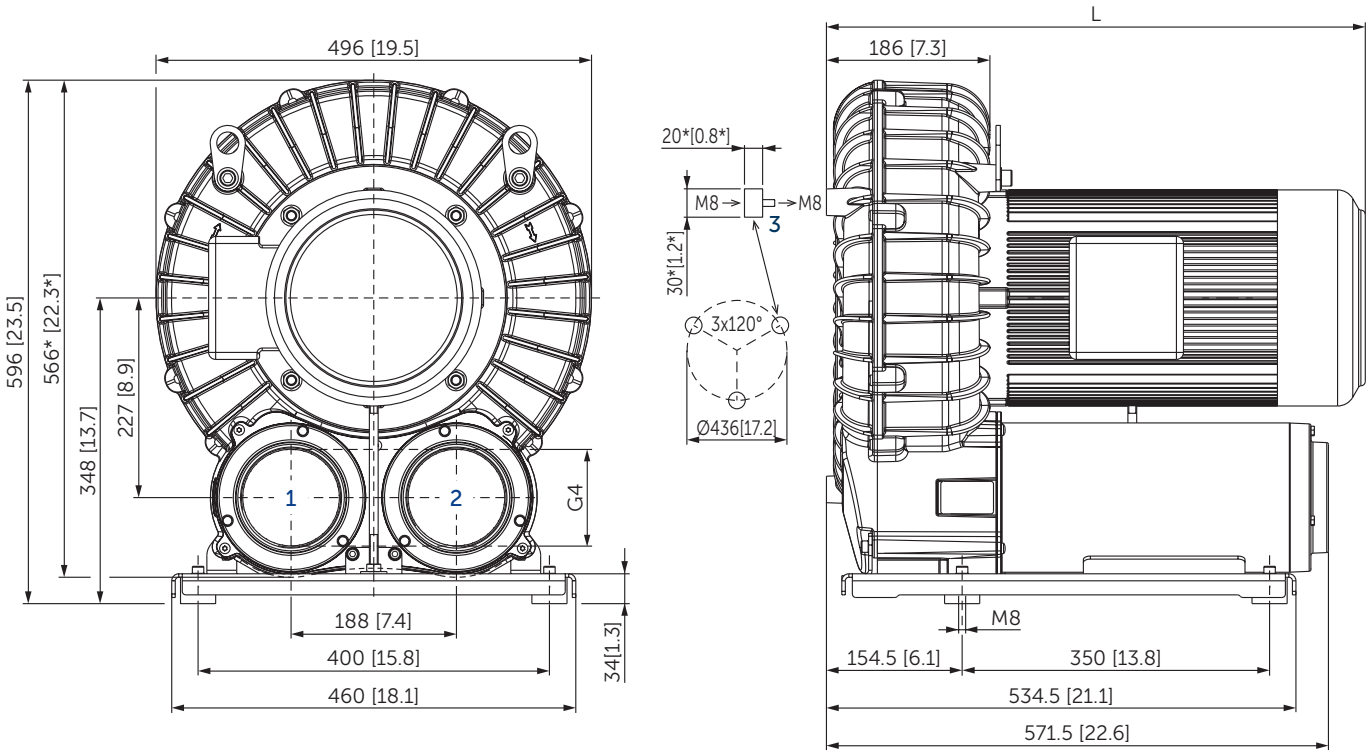
SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

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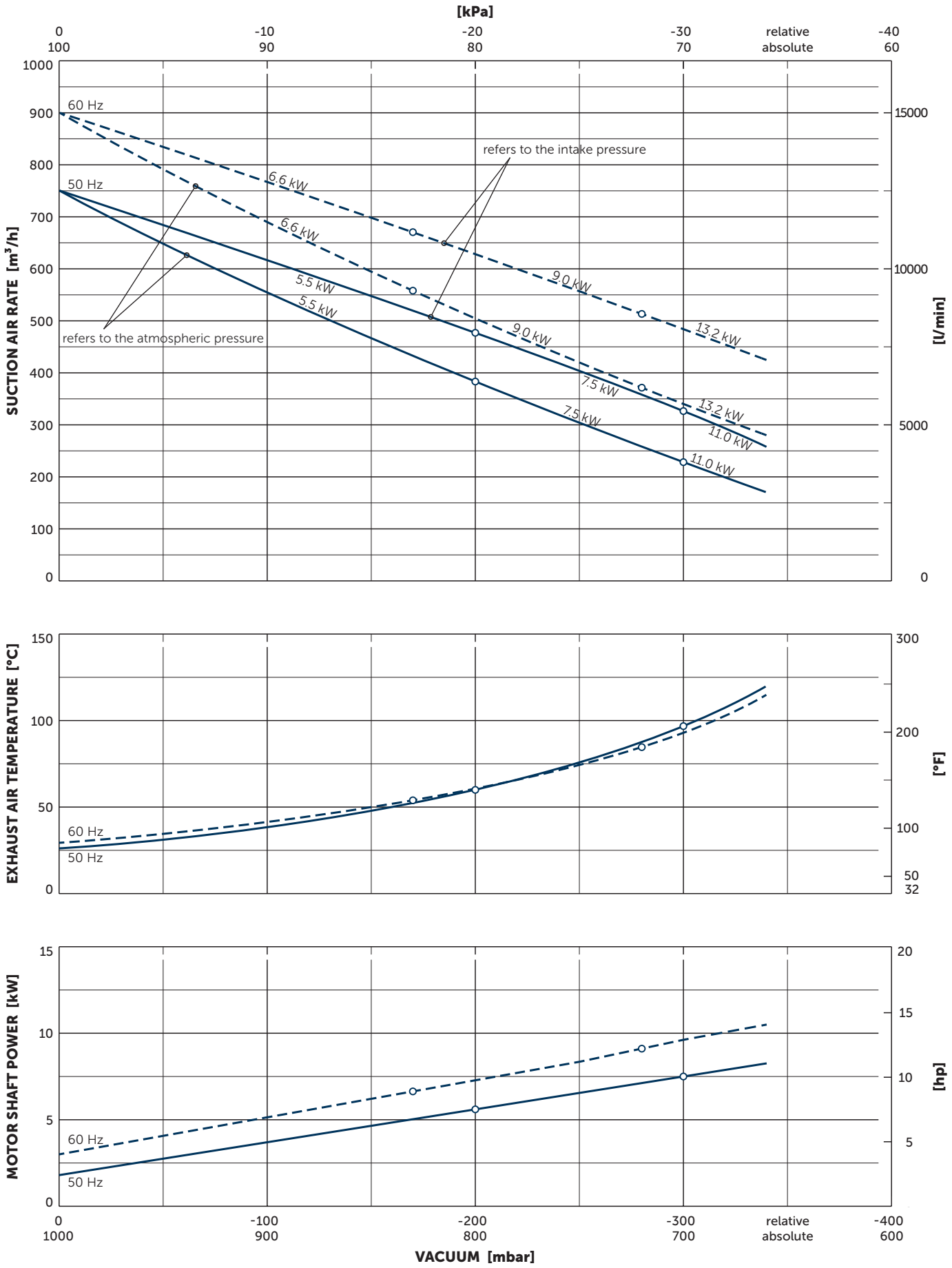
1 Vacuum connection (G4)
2 Pressure connection (G4)
3 Rubber buffer position (optional)
* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
- The motor illustration may vary
- Dimensions in mm [inch]

Suction air rate		Vacuum relative		Motors		Emission sound pressure level [1]		Weight with motor
m^3/h		mbar		kW		dB(A)		kg
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
750	900	-200	-170	5.5	6.6	69 (-135 mbar)	71 (-115 mbar)	89
750	900	-300	-280	7.5	9.0	72 (-200 mbar)	73 (-190 mbar)	112
750	900	-340	-340	11.0	13.2	73 (-230 mbar)	74 (-230 mbar)	119

[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											L
#	50 Hz					60 Hz				Version	mm
	kW	V		min^{-1}	A	kW	V		min^{-1}	A	[inch]
01	5.5	Δ400/Y690	IE3	2930	11.9/6.9	6.6 5.5	Δ460 Δ400/Y690	IE3 IE3	3520 3520	11.5 10.2/5.9	UL • CSA IP55 • ISO F • bimetal	563 [22.2]
02						6.6	Δ230/Y400 Δ265/Y460 Δ208	IE3 IE3	3496 3528 3470	20.6/11.9 19.9/11.5 22.5	UL • CSA • CC IP55 • ISO F • bimetal	561 [22.1]
03	5.5	Δ200/Y350	IE3	2935	26.9/15.4	6.6	Δ220/Y380–400 Δ200/Y350	IE3 IE3	3530 3500	24.0/13.9–14.3 24.7/14.1	IP55 • ISO F • bimetal	563 [22.2]
04						6.6	Δ400/Y690	IE3	3524	14.2/8.3	UL • CSA • CC IP65 • ISO F • bimetal	557 [21.9]
05	7.5	Δ400	IE3	2910	13.5	9.0	Δ460 Δ400	IE3	3500 3450	13.9 16.1	UL • CSA IP55 • ISO F • bimetal	614 [24.2]
06						9.0	YY230/Y460 YY208	IE3	3505 3475	27.8/13.9 30.7	UL • CSA IP55 • ISO F • bimetal	614 [24.2]
07	7.5	Δ200/Y350	IE3	2920	27.0/15.6	9.0	Δ220/Y380–400 Δ200/Y350	IE3	3500 3465	29.1/16.8 31.7/18.3	IP55 • ISO F • bimetal	614 [24.2]
08	11.0	Δ400	IE3	2930	21.8	13.2	Δ460 Δ400	IE3	3525 3490	21.9 23.7	UL • CSA IP55 • ISO F • bimetal	635 [25.0]
09						13.2	YY230/Y460 YY208	IE3	3530 3505	44.8/22.4 46.5	UL • CSA IP55 • ISO F • bimetal	635 [25.0]
10	11.0	Δ200/Y350	IE3	2920	41.4/23.9	13.2	Δ220/Y380–400 Δ200/Y350	IE3	3510 3465	43.3/25.0 46.8/27.0	IP55 • ISO F • bimetal	635 [25.0]

- Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.

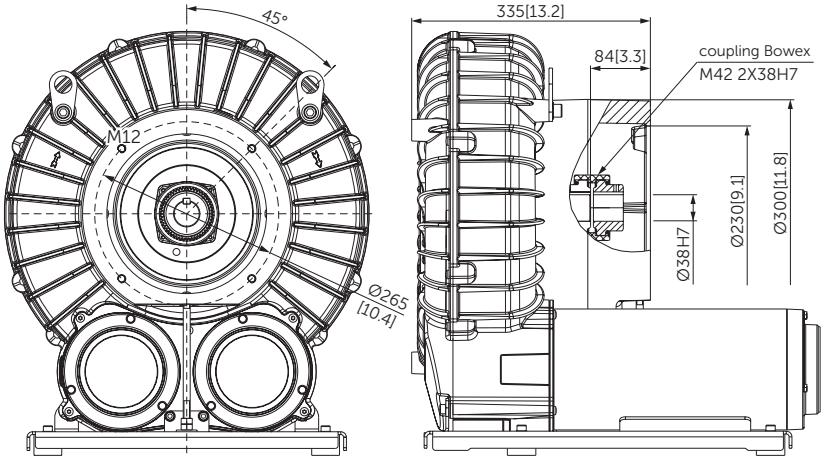


Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%
Temperature: Ambient air -10°C ... 40°C (14°F ... 104°F), Inlet air 0°C ... 40°C (32°F ... 104°F)

VARIANTS AND ACCESSORIES

WITHOUT MOTOR

- With coupling for flange motor
- Standard DIN EN 50347
- Flange size FF265
- Shaft end Ø38x80 mm [≈1,5x3,2 inch]
- Max. size BG160
- The motor must be supported!



OTHER VARIANTS AND ACCESSORIES

- VARIAIR SV 700/1 with frequency inverter VAU11-22/3 for 80 Hz operation [1)]
- External suction filter
- External vacuum safety valve
- With increased corrosion protection



VARIAIR SV 700/1



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

Right of modification reserved 2022-11-25

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