DATA SHEET

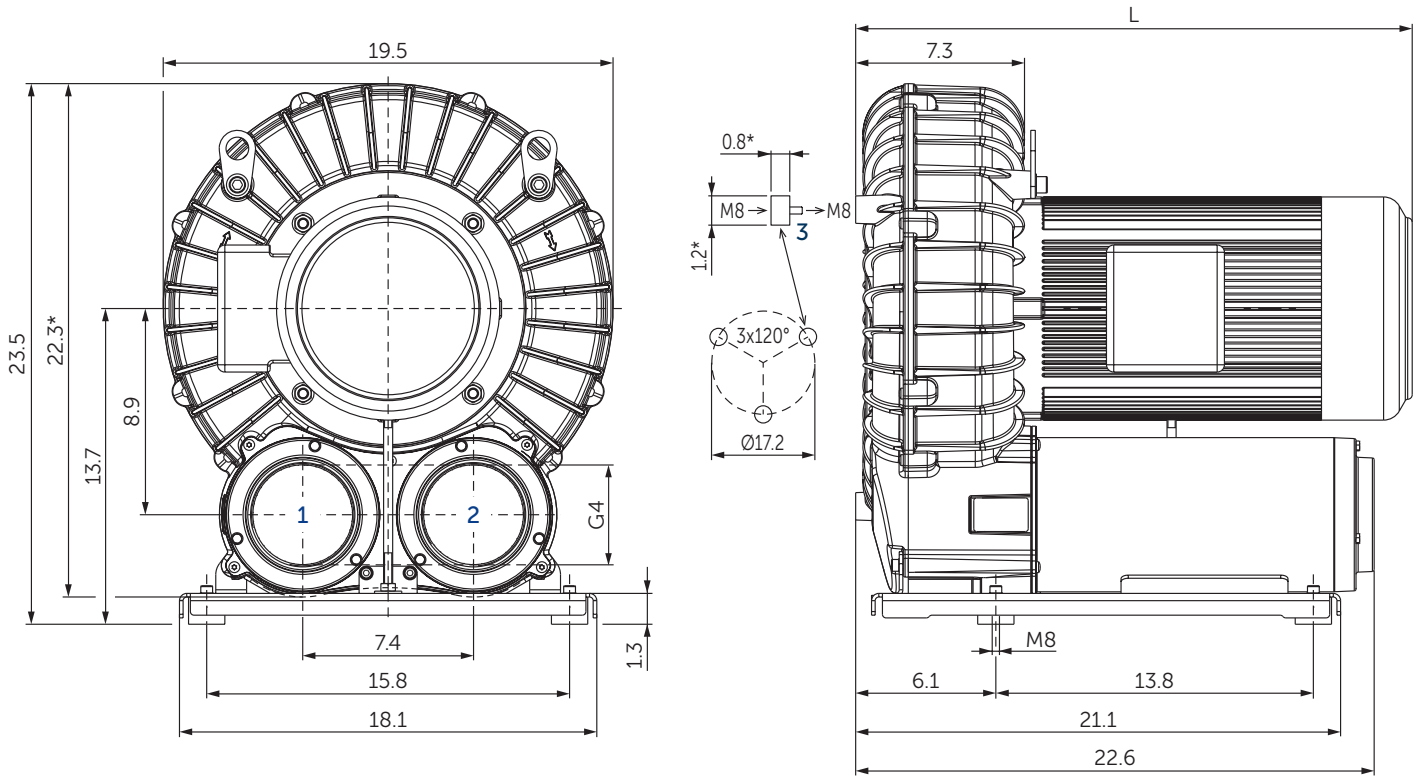
SV 700/1
SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

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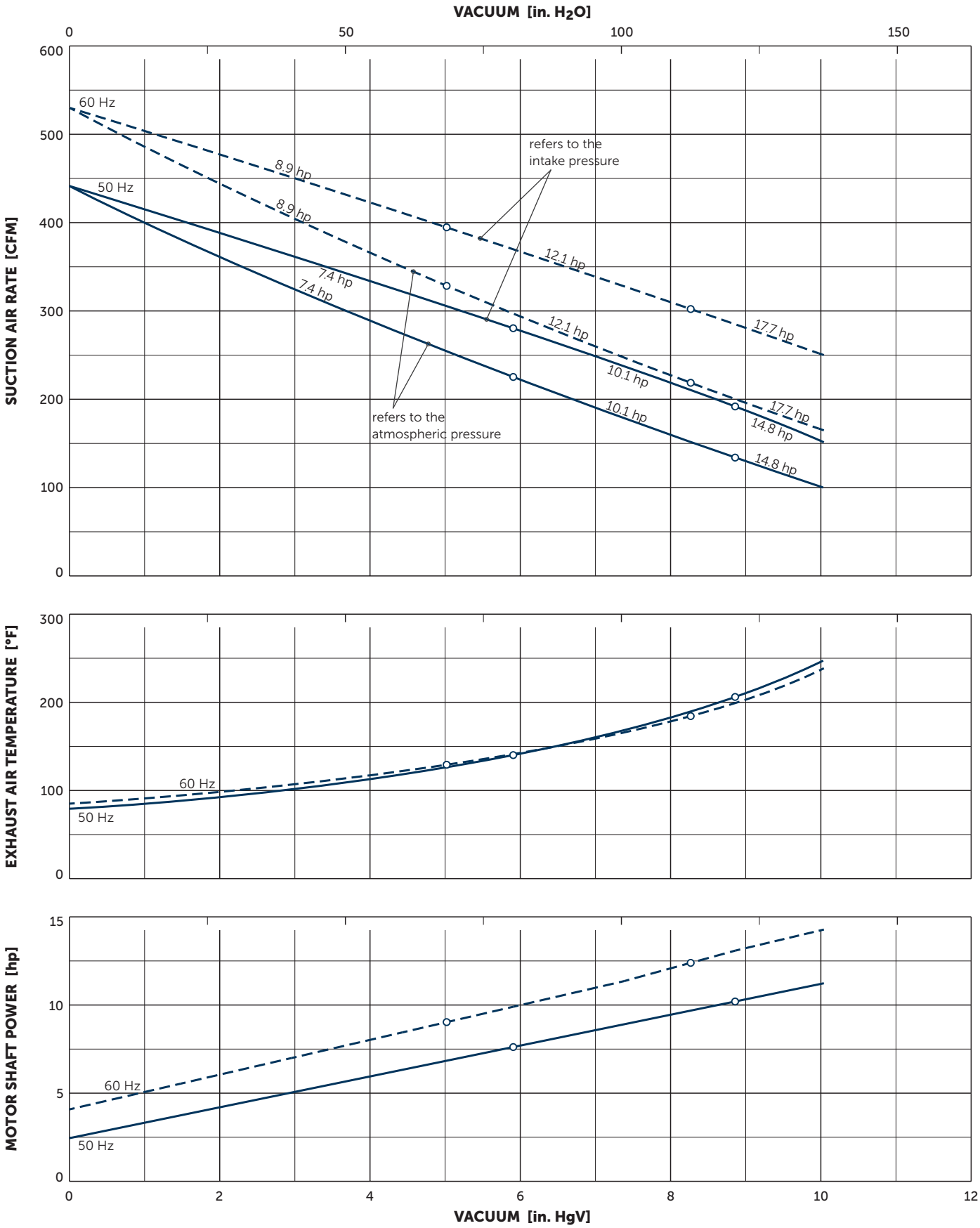
1 Vacuum connection (G4)
2 Pressure connection (G4)
3 Rubber buffer position (optional)
* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
- The motor illustration may vary
- Dimensions in inch

Suction air rate		Vacuum				Motors		Emission sound pressure level[1]		Weight with motor
CFM		in. H_2O		in. HgV		hp		dB(A)		lbs
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
441	529	80.4	68.3	5.9	5.0	7.4	8.9	69 (54.3 in. H_2O)	71 (46.2 in. H_2O)	196.2
441	529	120.6	112.6	8.9	8.3	10.1	12.1	72 (80.4 in. H_2O)	73 (76.4 in. H_2O)	247.0
441	529	136.7	136.7	10.0	10.0	14.8	17.7	73 (92.5 in. H_2O)	74 (92.5 in. H_2O)	262.4

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

3~ Motors											L
#	50 Hz					60 Hz				Version	inch
	hp	V		rpm	A	hp	V		rpm	A	
01	7.4	Δ400/Y690	IE3	2930	11.9/6.9	8.9 7.4	Δ460 Δ400/Y690	IE3 IE3	3520 3520	11.5 10.2/5.9	UL • CSA IP55 • ISO F • bimetal	22.2
02						8.9	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	22.1
03	7.4	Δ200/Y350	IE3	2935	26.9/15.4	8.9	Δ220/Y380–400 Δ200/Y350	IE3 IE3	3530 3500	24.0/13.9–14.3 24.7/14.1	IP55 • ISO F • bimetal	22.2
04						8.9	Δ400/Y690	IE3	3520	13.2/7.65	UL • CSA IP55 • ISO F • bimetal	21.9
05	10.1	Δ400	IE3	2910	13.5	12.1	Δ460 Δ400	IE3	3500 3450	13.9 16.1	UL • CSA IP55 • ISO F • bimetal	24.2
06						12.1	YY230/Y460 YY208	IE3	3505 3475	27.8/13.9 30.7	UL • CSA IP55 • ISO F • bimetal	24.2
07	10.1	Δ200/Y350	IE3	2920	27.0/15.6	12.1	Δ220/Y380–400 Δ200/Y350	IE3	3500 3465	29.1/16.8 31.7/18.3	IP55 • ISO F • bimetal	24.2
08	14.8	Δ400	IE3	2930	21.8	17.7	Δ460 Δ400	IE3	3525 3490	21.9 23.7	UL • CSA IP55 • ISO F • bimetal	25.0
09						17.7	YY230/Y460 YY208	IE3	3530 3505	44.8/22.4 46.5	UL • CSA IP55 • ISO F • bimetal	25.0
10	14.8	Δ200/Y350	IE3	2920	41.4/23.9	17.7	Δ220/Y380–400 Δ200/Y350	IE3	3510 3465	43.3/25.0 46.8/27.0	IP55 • ISO F • bimetal	25.0

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

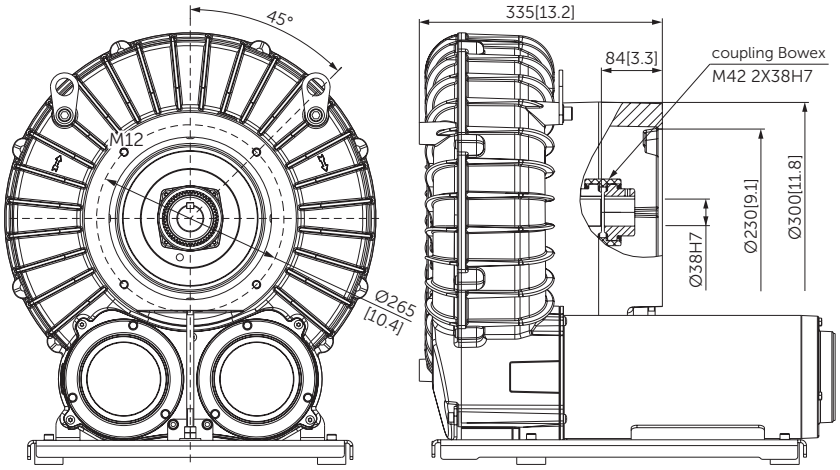


Reference data (atmosphere): 0 in. HgV, 68°F; Tolerance: ±10%
Temperature: Ambient air 14°F ... 104°F, Inlet air 32°F ... 104°F

VARIANTS AND ACCESSORIES

WITHOUT MOTOR

- With coupling for flange motor
- Standard DIN EN 50347
- Flange size FF265
- Shaft end Ø ≈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 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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