DATA SHEET

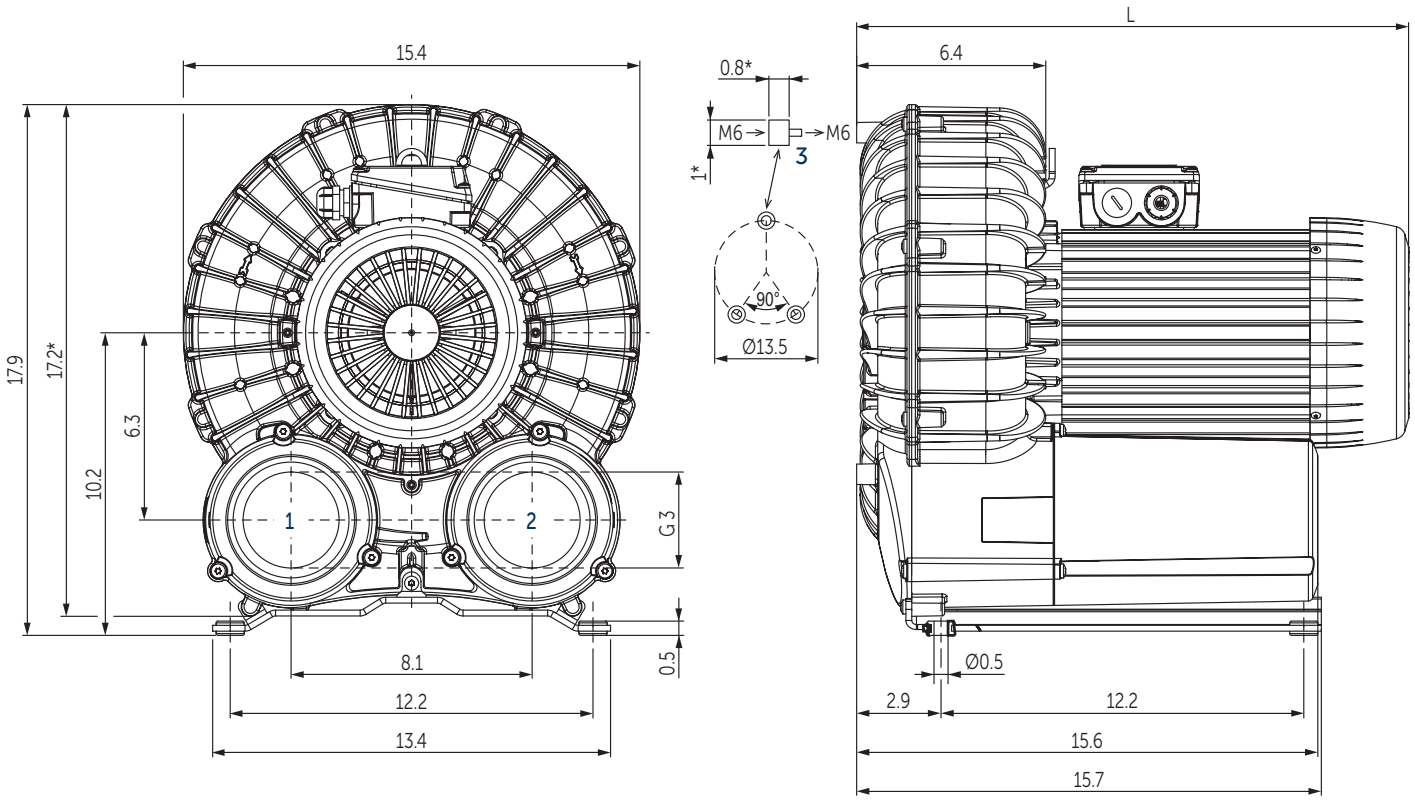
SV 400/1
SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

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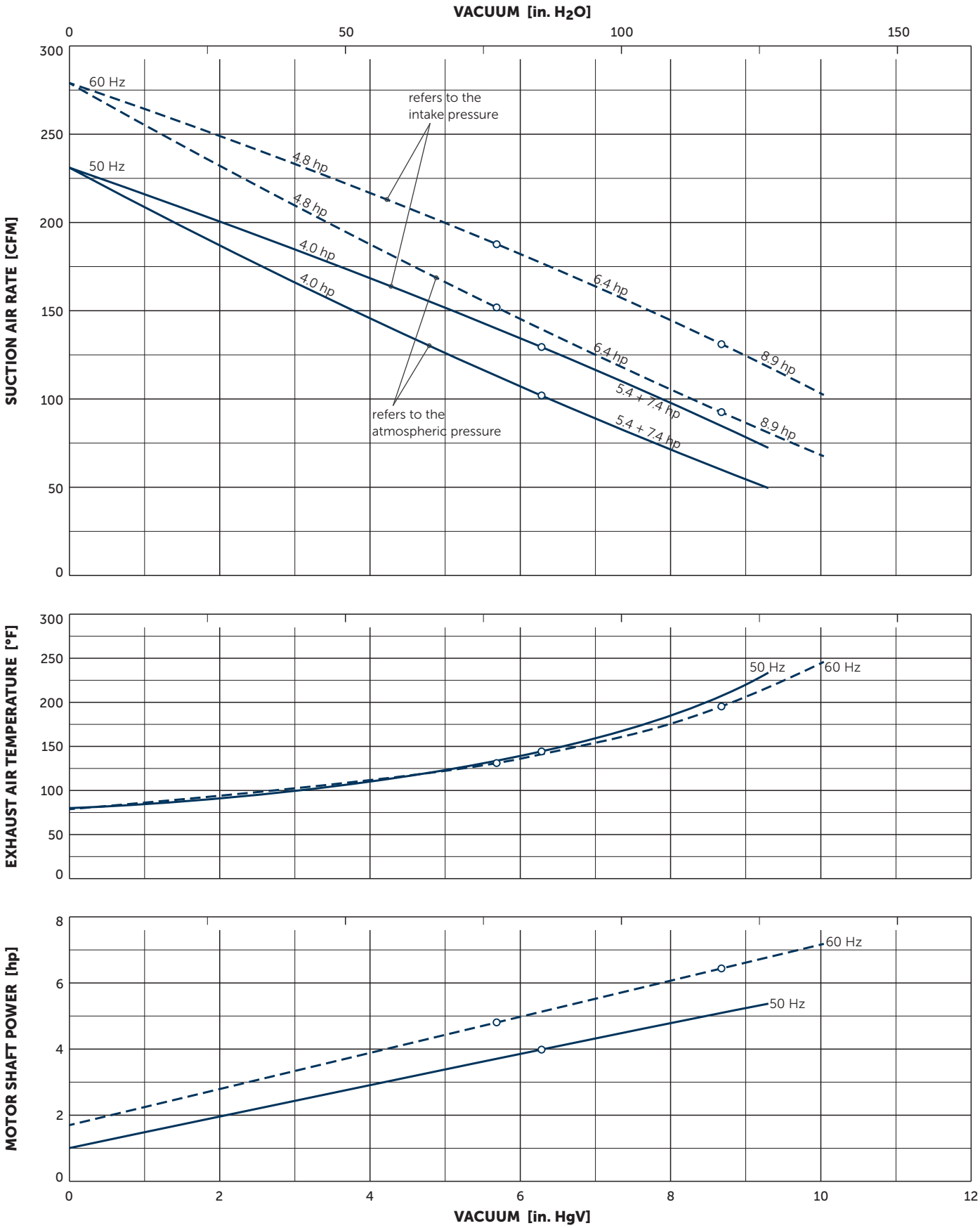
1 Vacuum connection (G3)
2 Pressure connection (G3)
3 Rubber buffer position (optional)
* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
▪ The motor illustration may vary
▪ Dimensions in inch

Suction air rate		Vacuum				Motors		Emission sound pressure level[1]		Weight with motor	L
CFM		in. H_2O		in. HgV		hp		dB(A)		lbs	inch
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
229	276	84.4	76.4	6.3	5.7	4.0	4.8	72.5 (74.3 in. H_2O)	74.4 (74.3 in. H_2O)	115.8	19.3
229	276	126.6	116.6	9.4	8.7	5.4	6.4	72.5 (74.3 in. H_2O)	74.4 (74.3 in. H_2O)	115.3–116.9	19.8
229	276	126.6	136.7	9.4	10.2	7.4	8.9	74.5 (80.4 in. H_2O)	74.0 (80.4 in. H_2O)	120.2	21.1

[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											
#	50 Hz					60 Hz					Version
	hp	V		rpm	A	hp	V		rpm	A	
01	4.0	Δ230/Y400	IE3	2940	10.9/6.3	4.8	Δ265/Y460 Δ230/Y400	IE3 IE3	3530 3505	10.8/6.25 11.5/6.6	UL • CSA IP55 • ISO F • bimetal
02						4.8	YY230/Y460 YY208/Y –	IE3	3525 3505	12.0/6.0 12.7/ –	UL • CSA • CC301B IP55 • ISO F • bimetal
03	4.0	Δ200/Y350	IE3	2940	12.6/7.3	4.8	Δ220/Y380–400 Δ200/Y350	IE3 IE3	3530 3505	12.6/7.3–7.2 13.2/7.55	IP55 • ISO F • bimetal
04	5.4	Δ230/Y400	IE3	2930	14.6/8.4	6.4	Δ265/Y460 Δ230/Y400	IE3	3520 3490	14.3/8.25 15.4/8.85	UL • CSA IP55 • ISO F • bimetal
05						6.4	YY230/Y460 YY208	IE3 IE3	3530 3500	15.5/7.7 16.6	UL • CSA • CC IP55 • ISO F • bimetal
06	5.4	Δ200/Y350	IE3	2930	16.6/9.6	6.4	Δ220/Y380–400 Δ200/Y350	IE3 IE3	3520 3490	16.6/9.6–9.45 17.7/10.1	IP55 • ISO F • bimetal
07	7.4	Δ400/Y –	IE3	2930	11.9/ –	8.9 7.4	Δ460/Y – Δ400/Y –	IE3 IE3	3520 3520	11.5/ – 10.2/ –	UL • CSA IP55 • ISO F • bimetal
08						8.9	Δ230/Y460 Δ265/Y460 Δ208/Y –	IE3 IE3	3496 3528 3470	20.6/11.9 19.9/11.5 22.5	UL • CSA • CC IP55 • ISO F • bimetal
09	7.4	Δ200/Y350	IE3	2935	26.9/15.4	6.6	Δ220/Y380–400 Δ200/Y350	IE3 IE3	3530 3500	24.0/14.3–13.9 24.7/14.1	IP55 • ISO F • bimetal

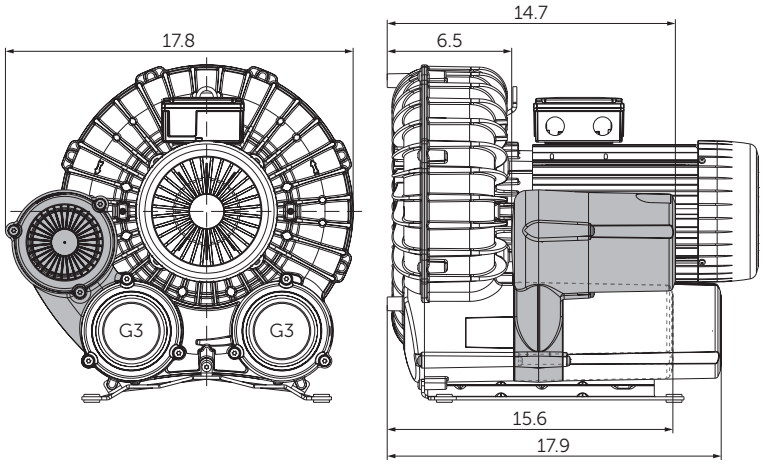
▪ Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.



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

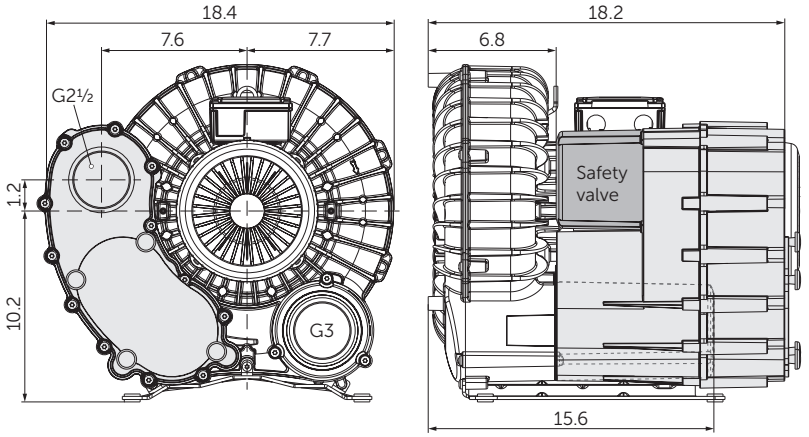
VARIANTS AND ACCESSORIES

VACUUM SAFETY VALVE



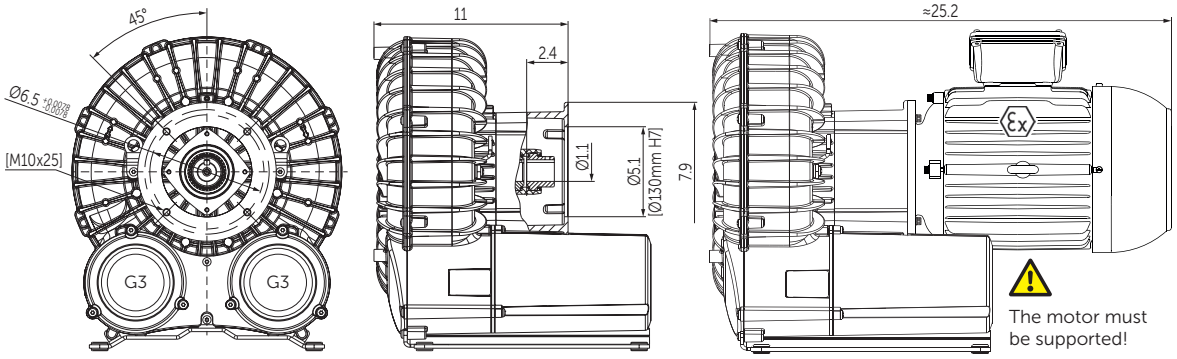
SUCTION FILTER

- Vacuum-sealed filter housing
- Paper or polyester insert
- Can be combined with vacuum safety valve



WITHOUT MOTOR OR WITH ATEX MOTOR

- With coupling for flange motor
- The motor must be supported!



ATEX Motor – 60 Hz	hp	V		rpm	A	Version
Class 1 Div 2 Groups C&D II 1 G ia IIB	7.5	YY230/Y460 YY208/Y –	IE3	3510	18.1/9.07 20.1	UL • IP55 • ISO F • PTC 155°C (311°F)

OTHER VARIANTS AND ACCESSORIES

- With increased corrosion protection
- **VARIAIR SV 400/1** with frequency inverter VAU11-22/3 for 100 Hz operation [1)]
- **Sound proof box SH 18** [1)] – Not with 7.4/8.9 hp motors!

[1)] See separate data sheet
- Dimensions in inch – For other dimensions, see the figure on page 2.
- Possible combinations on request



Sound proof box SH 18

Right of modification reserved 2022-11-11

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