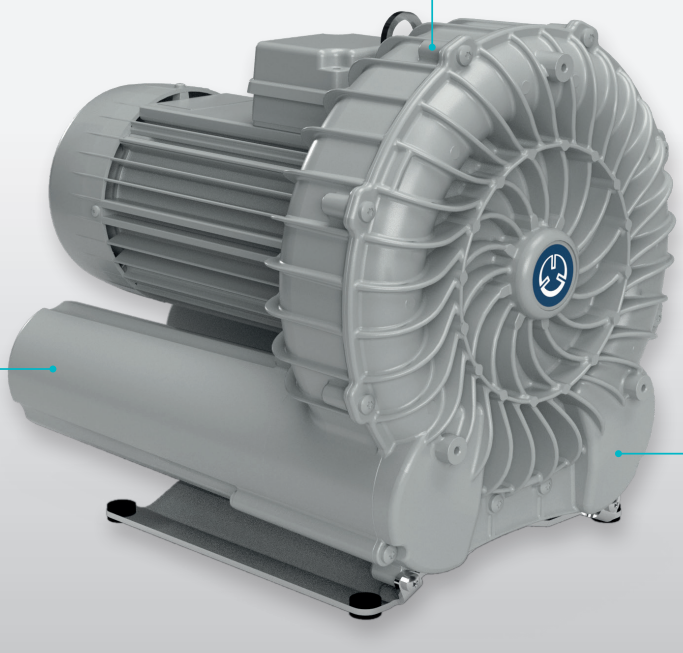
DATA SHEET

SV 201/1

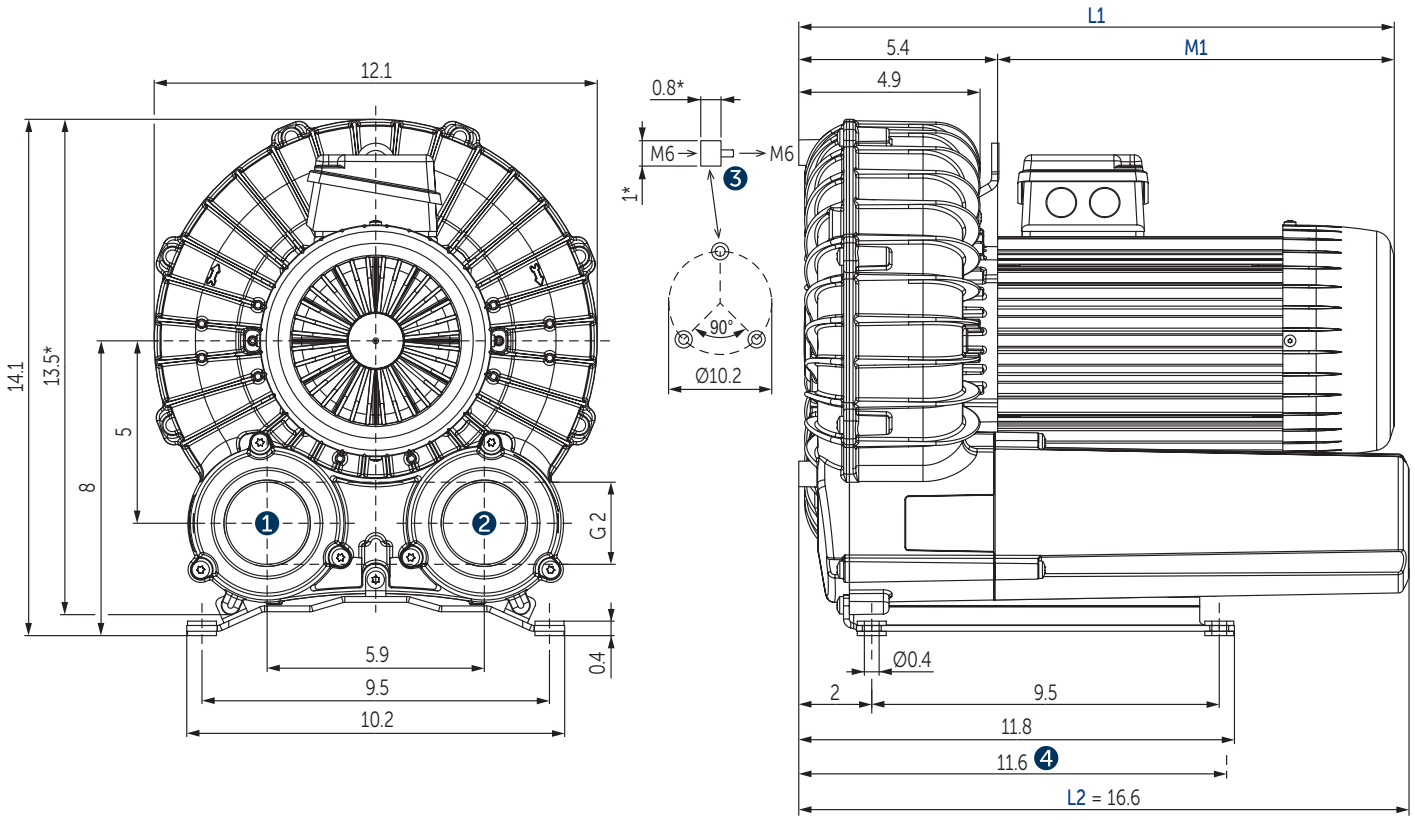
SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

MAKE IT BECKER.



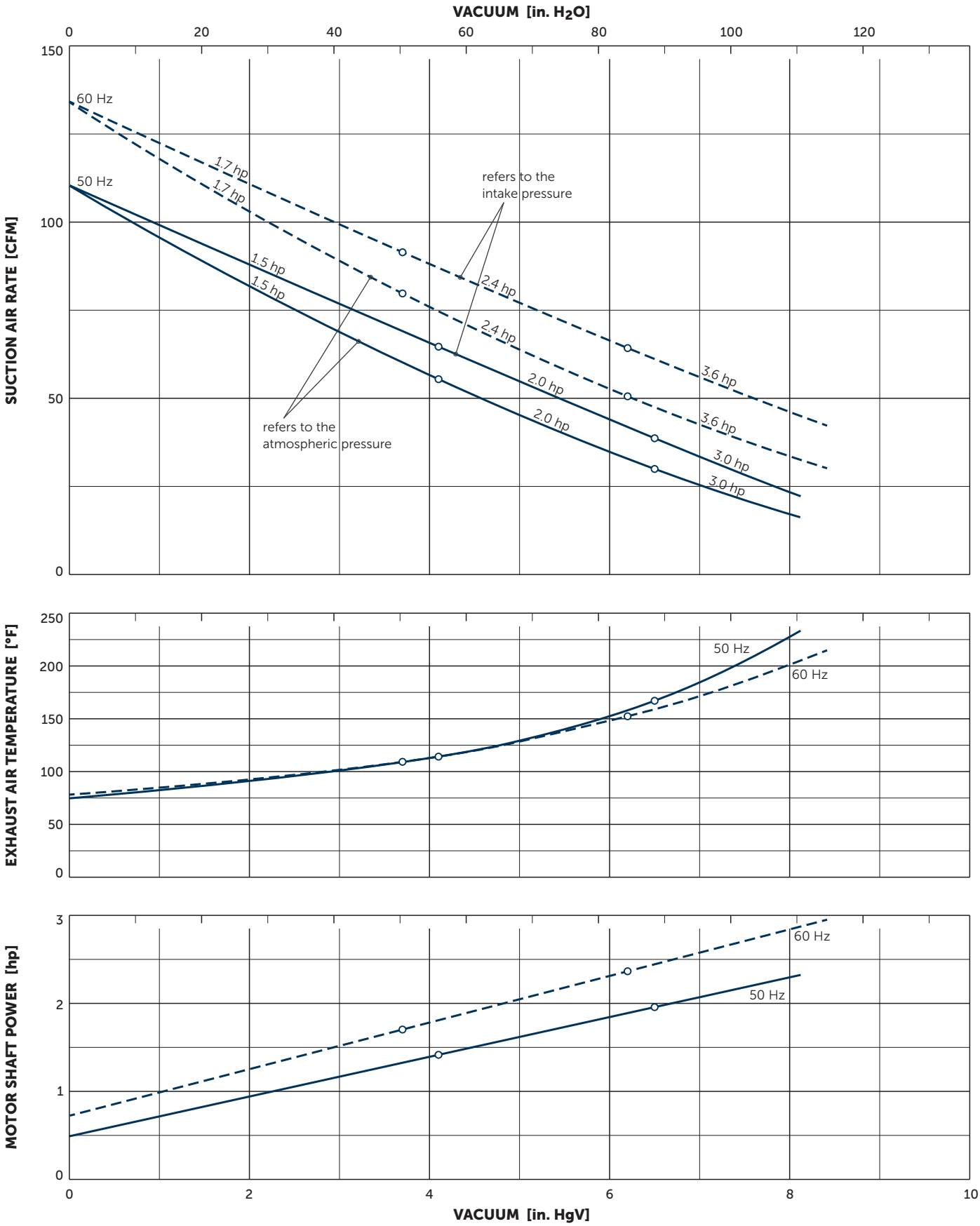
BECKER



1 Vacuum connection (G2)
2 Pressure connection (G2)
3 Optional vibration dampers (rubber buffers) for vertical installation
4 Optional with shorter silencers
L Blower length L1 with motor and L2 without motor.
L1 and M1 are variable, see separate motor specification sheet. ➝ The total blower length is L1 or L2.
* 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				Installed motor power		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	
111	135	56.2	50.2	4.1	3.7	1.5	1.7	65.2 (38.2 in. H_2O)	68.3 (34.2 in. H_2O)	56.5
111	135	88.4	84.4	6.5	6.2	2.0	2.4	66.5 (62.3 in. H_2O)	68.2 (58.3 in. H_2O)	63.0
111	135	110.5	114.5	8.2	8.5	3.0	3.6	66.3 (74.4 in. H_2O)		72.0

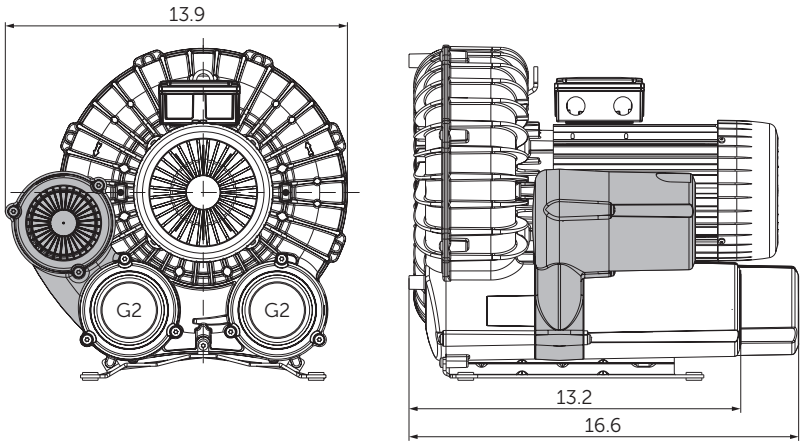
[1] According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
39.4 inch distance, at medium load, both connection sides piped



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

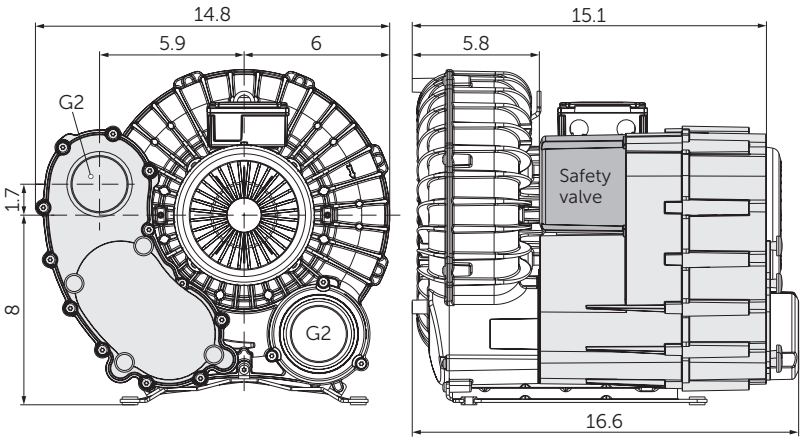
VARIANTS AND ACCESSORIES

VACUUM SAFETY VALVE



SUCTION FILTER

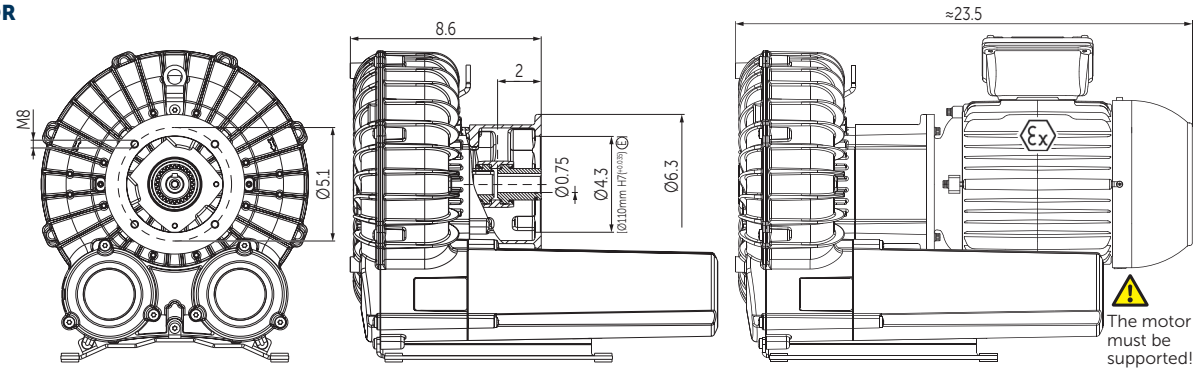
- Vacuum-sealed filter housing
- Paper or polyester insert
- Can be combined with vacuum safety valve
- Space requirement for filter change approx. 10 inch



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

WITHOUT MOTOR OR WITH ATEX MOTOR

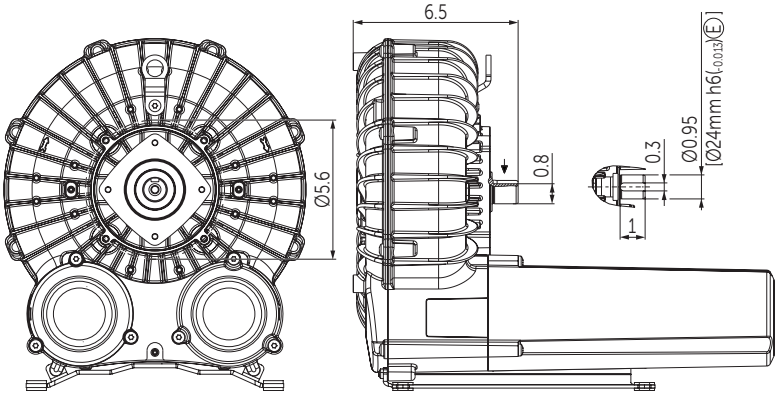
- With coupling for flange motor
- The motor must be supported!



ATEX Motor – 60 Hz	hp	V		rpm	A	Version
Class 1 Div 2 Groups C&D II 1 G ia IIB	3.0	YY230/Y460 YY208/Y –	IE3	3480	7.70/3.85 8.51	UL • IP55 • ISO F • PTC 155°C (311°F)

WITHOUT MOTOR

- With free shaft end
- Max. 5600 rpm with V-belt pulley
- Possible performance data see VARIAIR SV 201/1 [1)]



OTHER VARIANTS AND ACCESSORIES

- With increased corrosion protection
- VARIAIR SV 201/1 with frequency inverter for 100 Hz operation [1)]
- Sound proof box SH 18 [1)]



Sound proof box SH 18

[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 2023-09-28

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SV 201/1

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