

DATA SHEET

SV 200/1

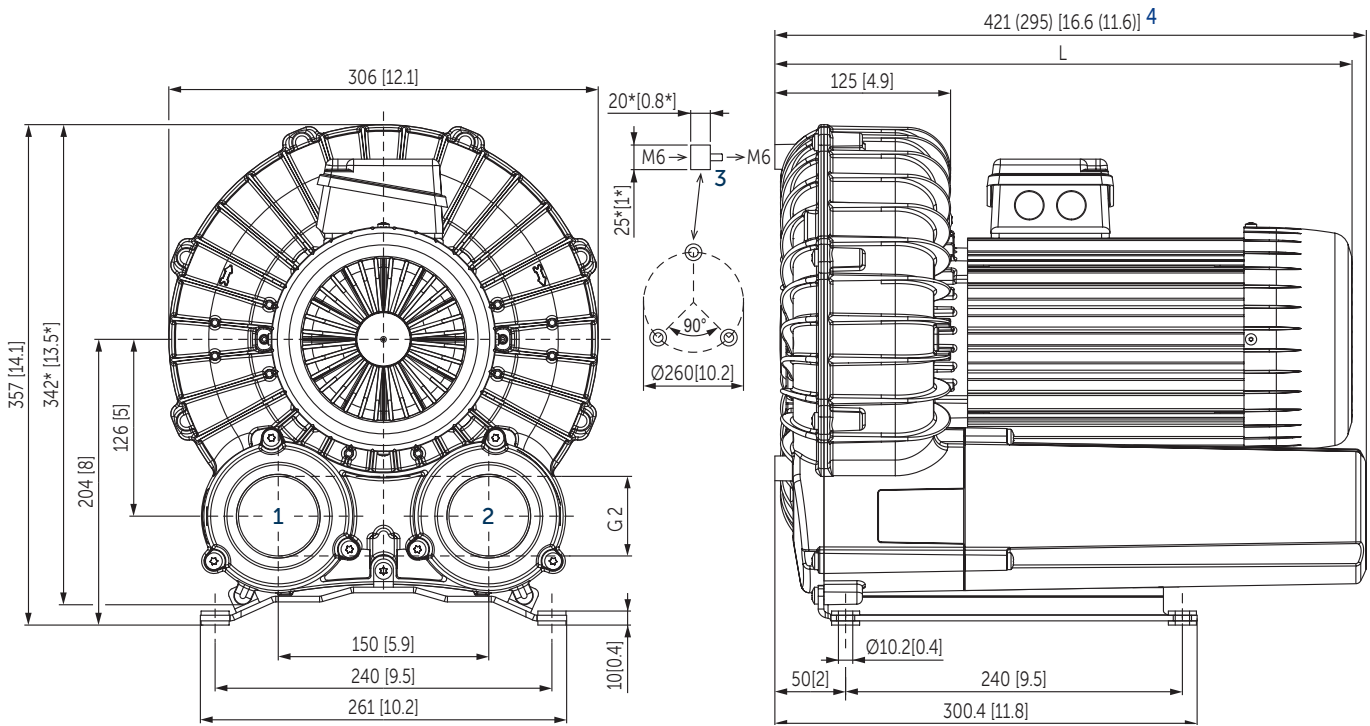
SIDE CHANNEL VACUUM PUMPS

single stage

air-cooled

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- 1 Vacuum connection (G2)
- 2 Pressure connection (G2)
- 3 Optional vibration dampers (rubber buffer) for vertical installation
- 4 Optional with shorter silencers
- * Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
- The motor illustration may vary
- Dimensions in mm [inch]

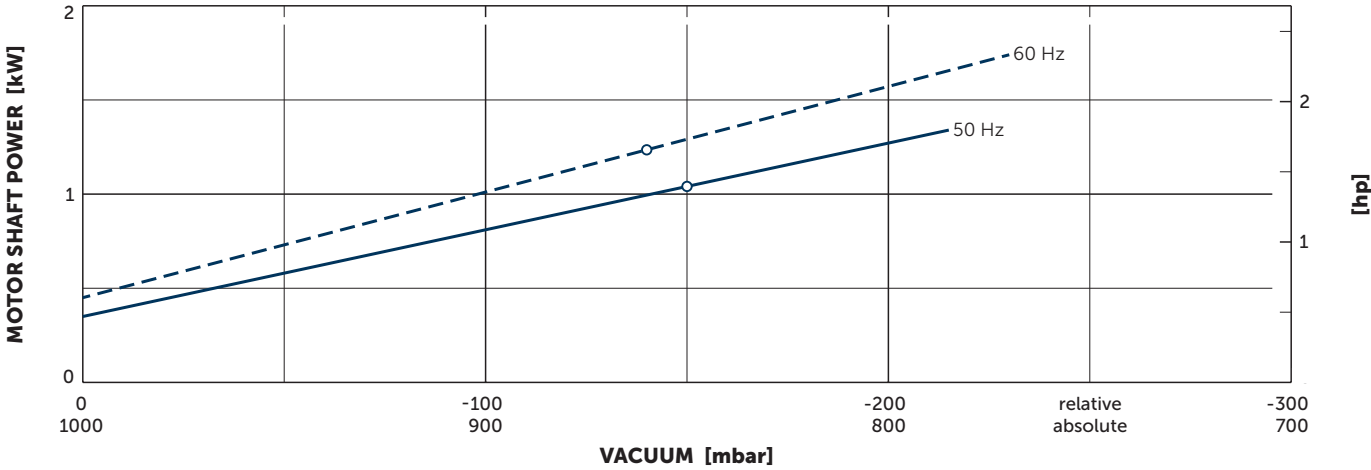
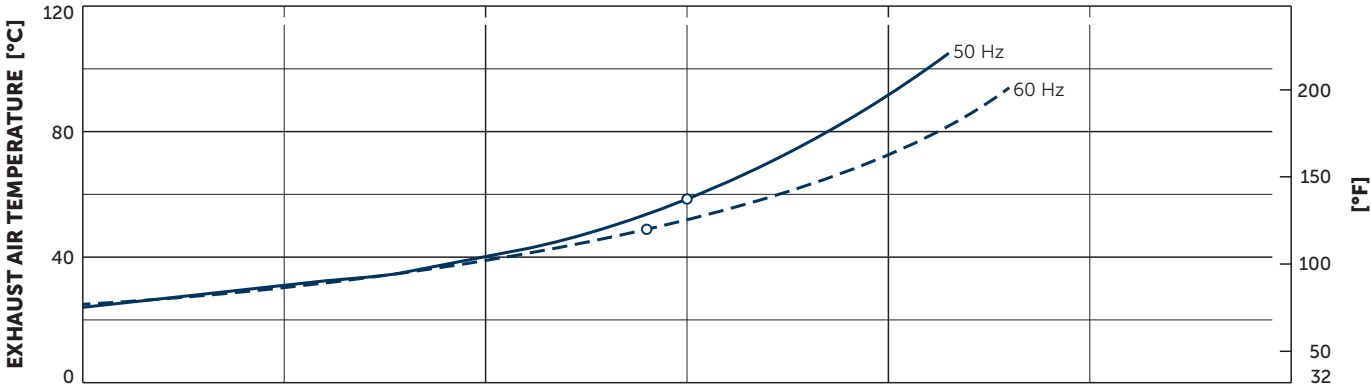
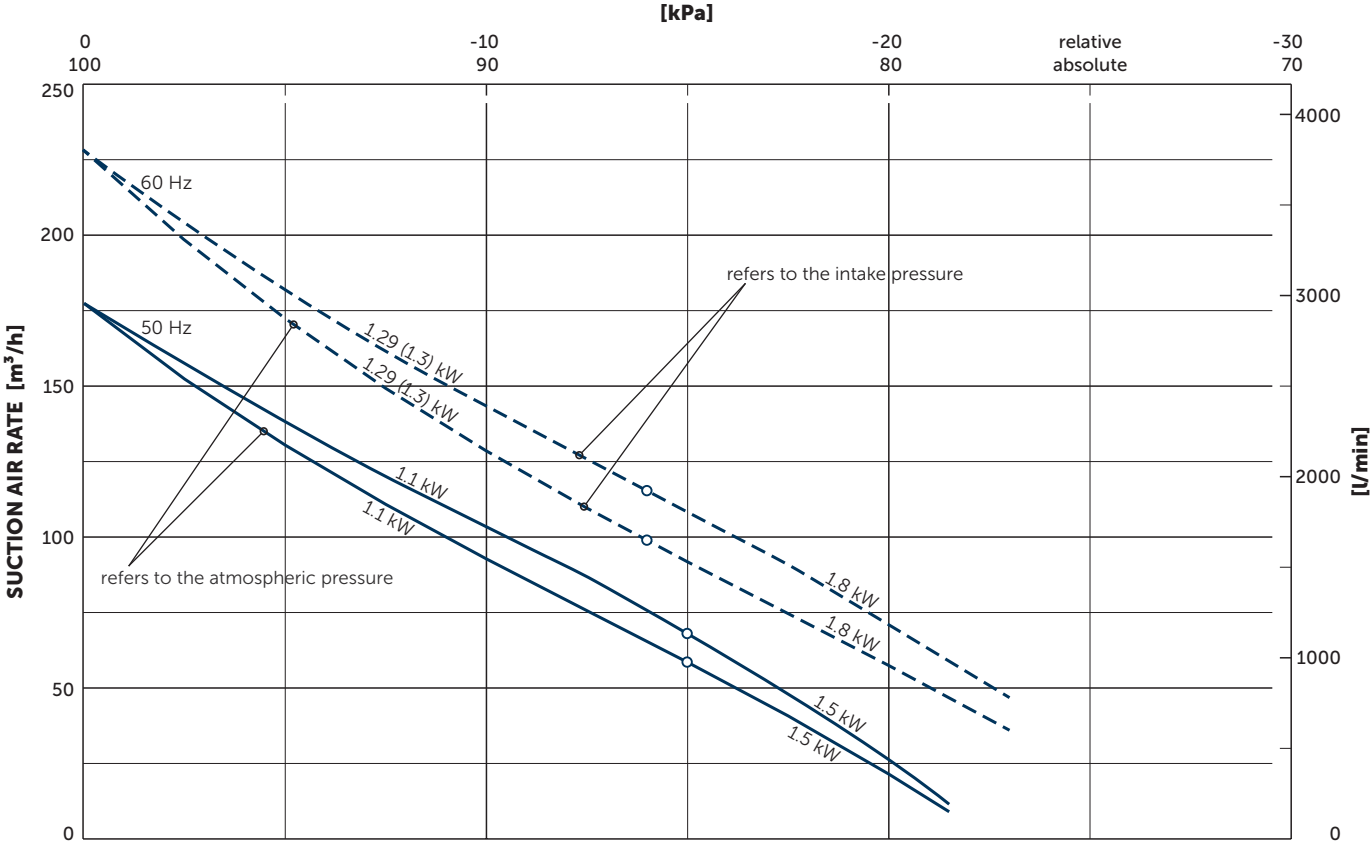
Suction air rate		Vacuum relative		Motors		Emission sound pressure level ¹⁾		Weight with motor
m³/h		mbar		kW		dB(A)		kg
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
180	230	-150	-140	1.1	1.29/1.3	63.9 (-145 mbar)	69.2 (-165 mbar)	25.5
180	230	-215	-230	1.5	1.8	63.9 (-145 mbar)	69.2 (-165 mbar)	28.5

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 [inch]
	kW	V	rpm	A	kW	V	rpm	A				
01	1.1	Δ230/Y400 IE3	2870	4.3/2.5	1.29	Δ265/Y460 IE3 Δ230/Y400	3460 3395	4.3/2.5 4.7/2.7	UL • CSA IP55 • ISO F • bimetal			391 [15.4]
02					1.3	YY230/Y460 IE3 YY208/Y – –	3465 3430	4.8/2.4 5.05/ –	UL • CSA • CC IP55 • ISO F • bimetal			427 [16.8]
03	1.1	Δ200/Y350 IE3	2875	5.0/2.9	1.29	Δ220/Y380–400 IE3 Δ200/Y350	3462 3405	5.0/2.9–3.0 5.2/3.0	IP55 • ISO F • bimetal			391 [15.4]
04	1.5	Δ230/Y400 IE3	2897	5.6/3.25	1.8	Δ265/Y460 IE3 Δ230/Y400	3487 3449	5.6/3.25 6.0/3.45	UL • CSA • CC IP55 • ISO F • bimetal			427 [16.8]
05					1.8	YY230/Y460 IE3 YY208/Y – –	3490 3470	6.9/3.45 6.85/ –	UL • CSA • CC IP55 • ISO F • bimetal			427 [16.8]
06	1.5	Δ200/Y350 IE3	2905	7.4/4.3	1.8	Δ220/Y380–400 IE3 Δ200/Y350	3480 3450	7.2/4.3–4.2 7.2/4.2	IP55 • ISO F • bimetal			431 [17.0]

1~ Motors												L
#	50 Hz				60 Hz				Version			mm [inch]
	kW	V	rpm	A	kW	V	rpm	A				
01	1.1	230 ±10%	2855	6.7	1.3	230 ±10%	3375	7.9	UL • CSA IP55 • ISO F • bimetal			391 [15.4]
02	1.5	230 ±10%	2860	8.9	1.8	230 ±10%	3350	11.0	UL • CSA IP55 • ISO F • bimetal			431 [17.0]

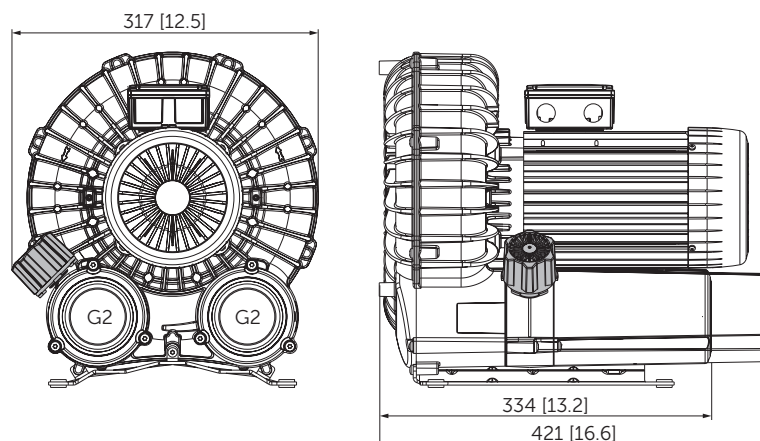
• Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.



Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%
Temperature: Inlet air 0°C ... 40°C (32°F ... 104°F), Ambient air 3~ -10°C ... 40°C (14°F ... 104°F), Ambient air 1~ 15°C ... 40°C (59°F ... 104°F)

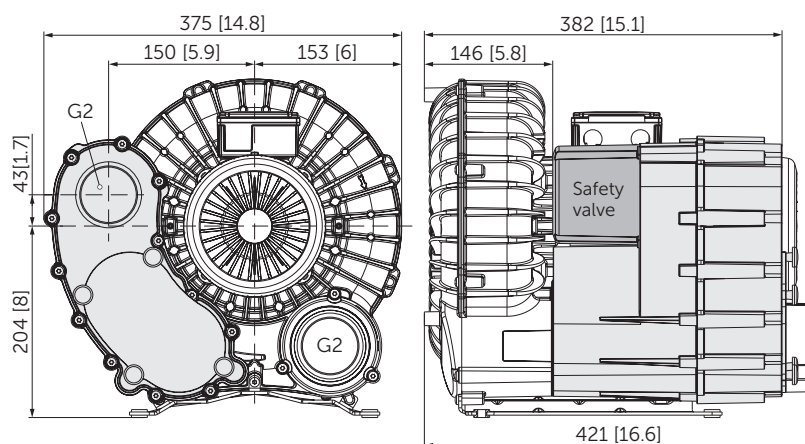
+ VARIANTS AND ACCESSORIES

VACUUM SAFETY VALVE



SUCTION FILTER

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



OTHER VARIANTS AND ACCESSORIES

- Without pedestal under the silencers, with rubber buffers on the enclosure cover
- Vacuum/pressure connection G1½ instead G2
- Short or long silencers
- Increased corrosion protection
- External suction filter
- Sound proof box SH 18¹⁾



Sound proof box SH 18

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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