DATA SHEET

SV 700/2

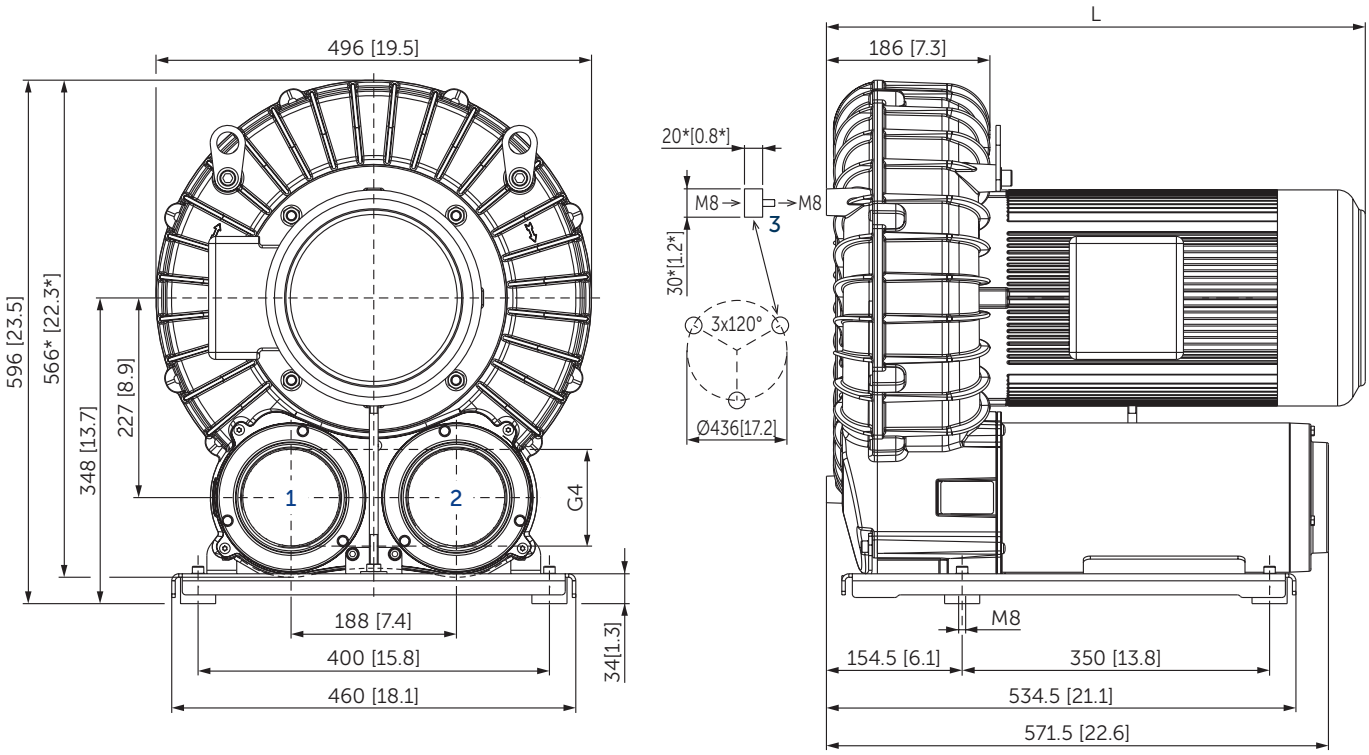
SIDE CHANNEL VACUUM PUMPS

double stage
air-cooled

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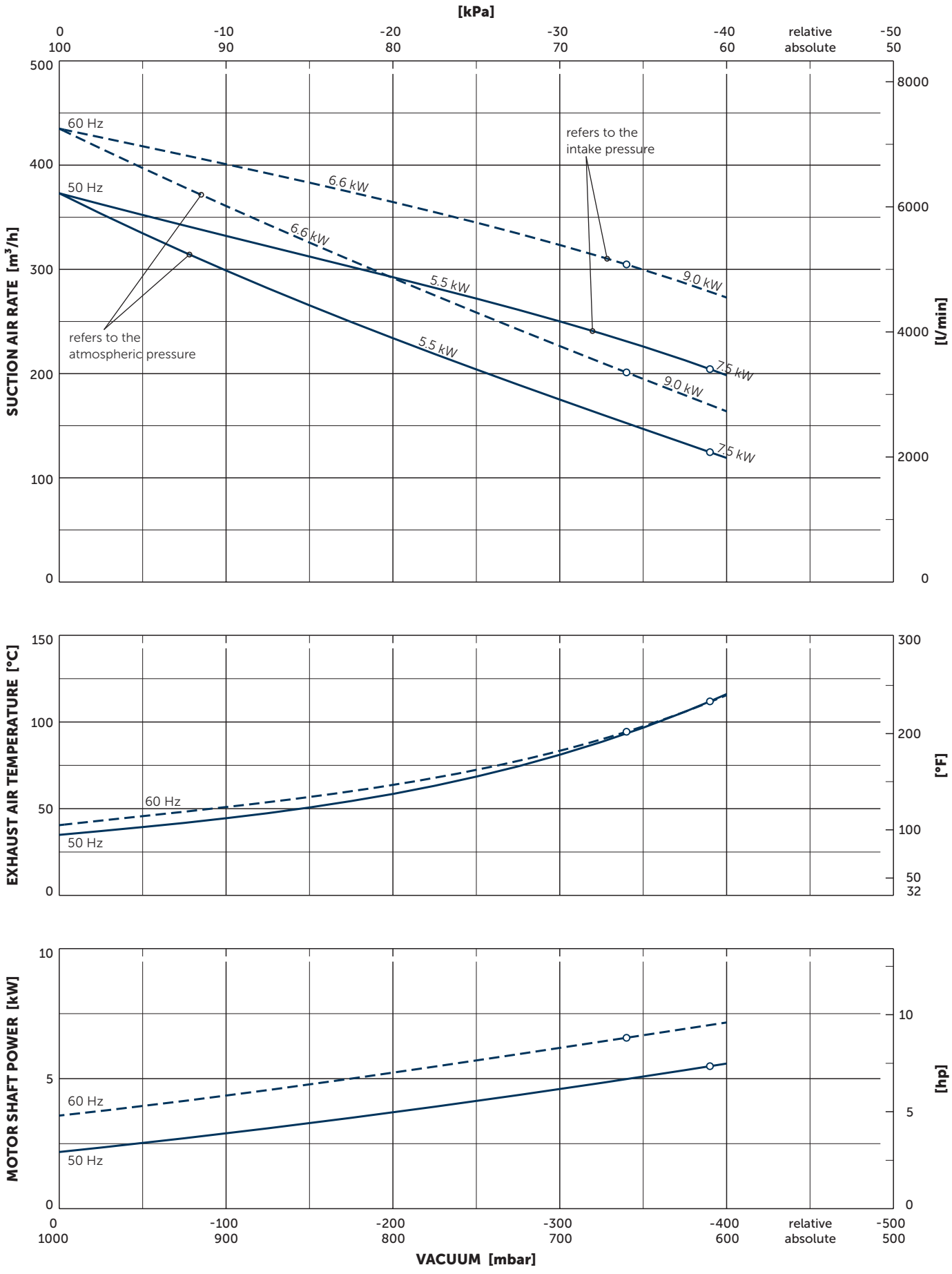
1 Vacuum connection (G4)
2 Pressure connection (G4)
3 Rubber buffer position (optional)
* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
▪ The motor illustration may vary
▪ Dimensions in mm [inch]

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	
375	435	-390	-340	5.5	6.6	68 (-260 mbar)	69 (-225 mbar)	89
375	435	-400	-400	7.5	9.0	69 (-270 mbar)	73 (-270 mbar)	112

[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	Δ460	IE3	3520	11.5	UL • CSA IP55 • ISO F • bimetal	563 [22.2]
						5.5	Δ400/Y690	IE3	3520	10.2/5.9		
02						6.6	Δ230/Y400	IE3	3496	20.6/11.9	UL • CSA • CC IP55 • ISO F • bimetal	561 [22.1]
							Δ265/Y460	IE3	3528	19.9/11.5		
							Δ208		3470	22.5		
03	5.5	Δ200/Y350	IE3	2935	26.9/15.4	6.6	Δ220/Y380–400	IE3	3530	24.0/13.9–14.3	IP55 • ISO F • bimetal	563 [22.2]
							Δ200/Y350	IE3	3500	24.7/14.1		
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	IE3	3500	13.9	UL • CSA IP55 • ISO F • bimetal	614 [24.2]
							Δ400		3450	16.1		
06						9.0	YY230/Y460	IE3	3505	27.8/13.9	UL • CSA IP55 • ISO F • bimetal	614 [24.2]
							YY208		3475	30.7		
07	7.5	Δ200/Y350	IE3	2920	27.0/15.6	9.0	Δ220/Y380–400	IE3	3500	29.1/16.8	IP55 • ISO F • bimetal	614 [24.2]
							Δ200/Y350		3465	31.7/18.3		

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

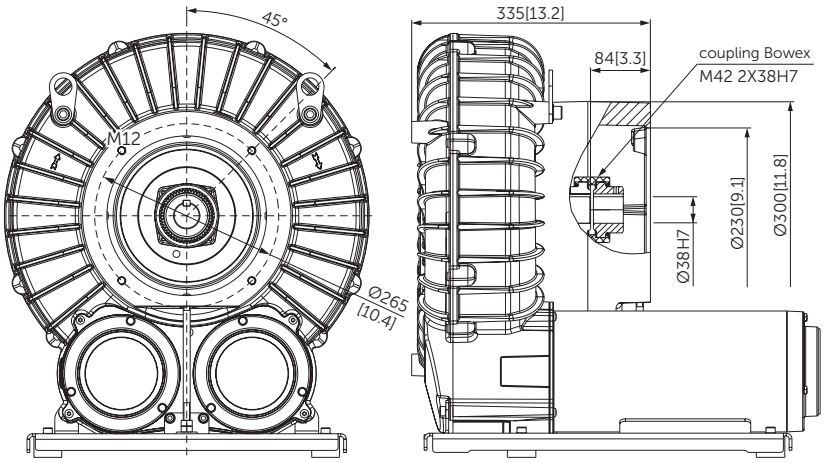


Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%
Temperature: Ambient air -10°C ... 40°C (14°F ... 104°F), Inlet air 0°C ... 40°C (32°F ... 104°F)

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!



ACCESSORIES

- External suction filter
- External vacuum safety valve
- With increased corrosion protection



Example for an external suction filter

- Dimensions in mm [inch] – For other dimensions, see the figure on page 2.
- Possible combinations on request

Right of modification reserved 2023-01-17

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