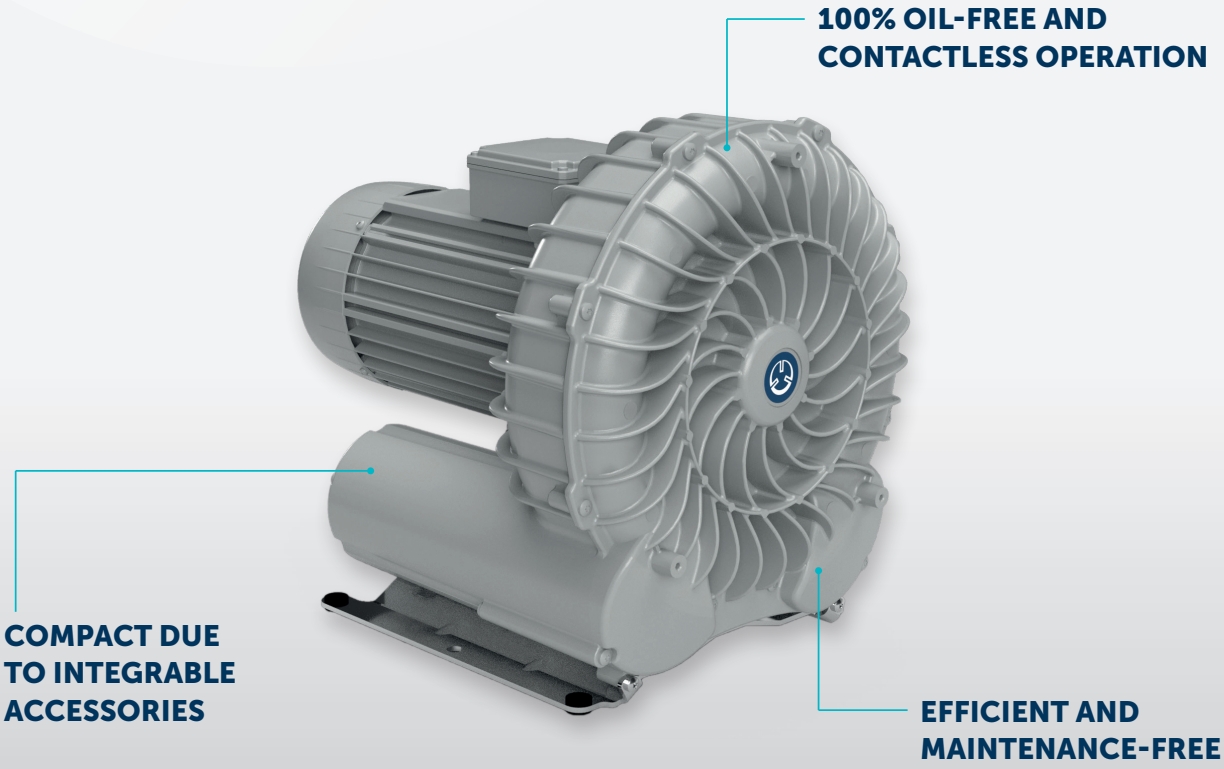
DATA SHEET

SV 300/1

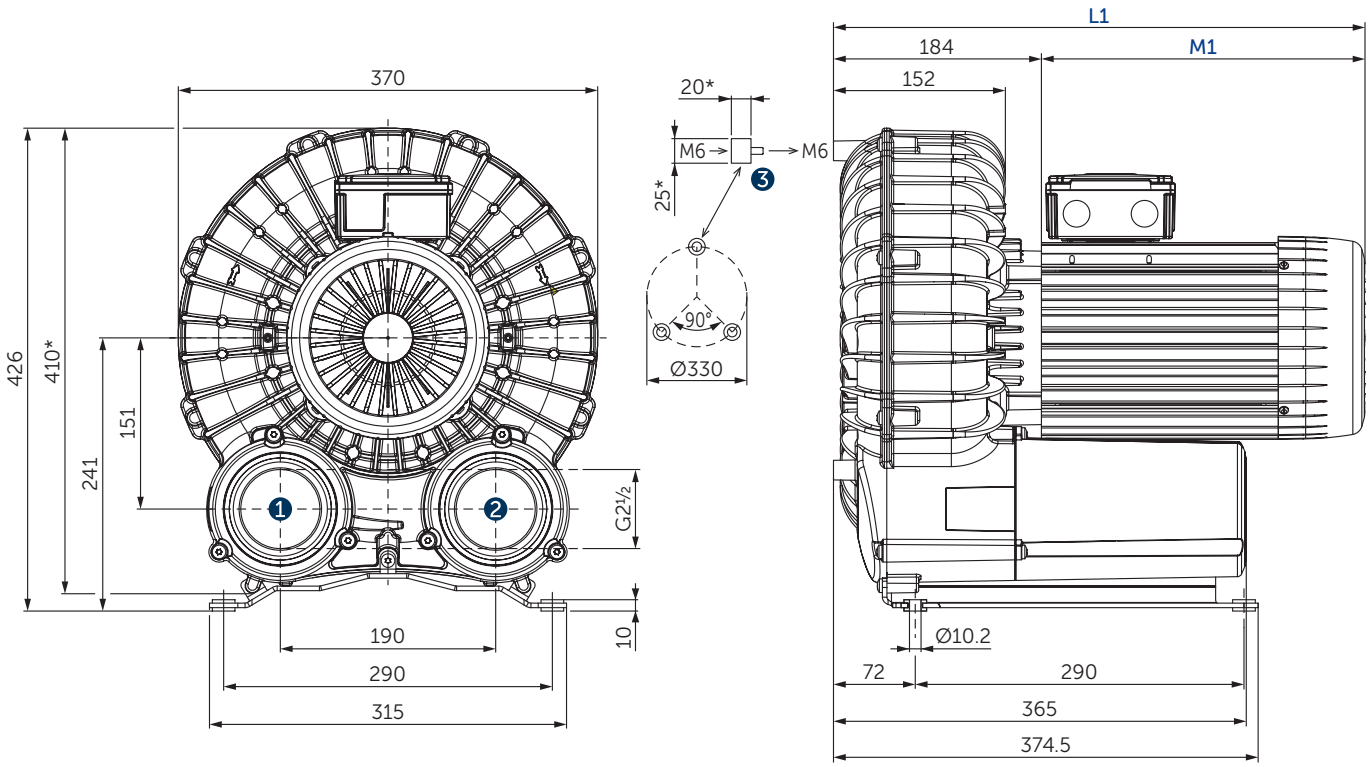
SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

MAKE IT BECKER.



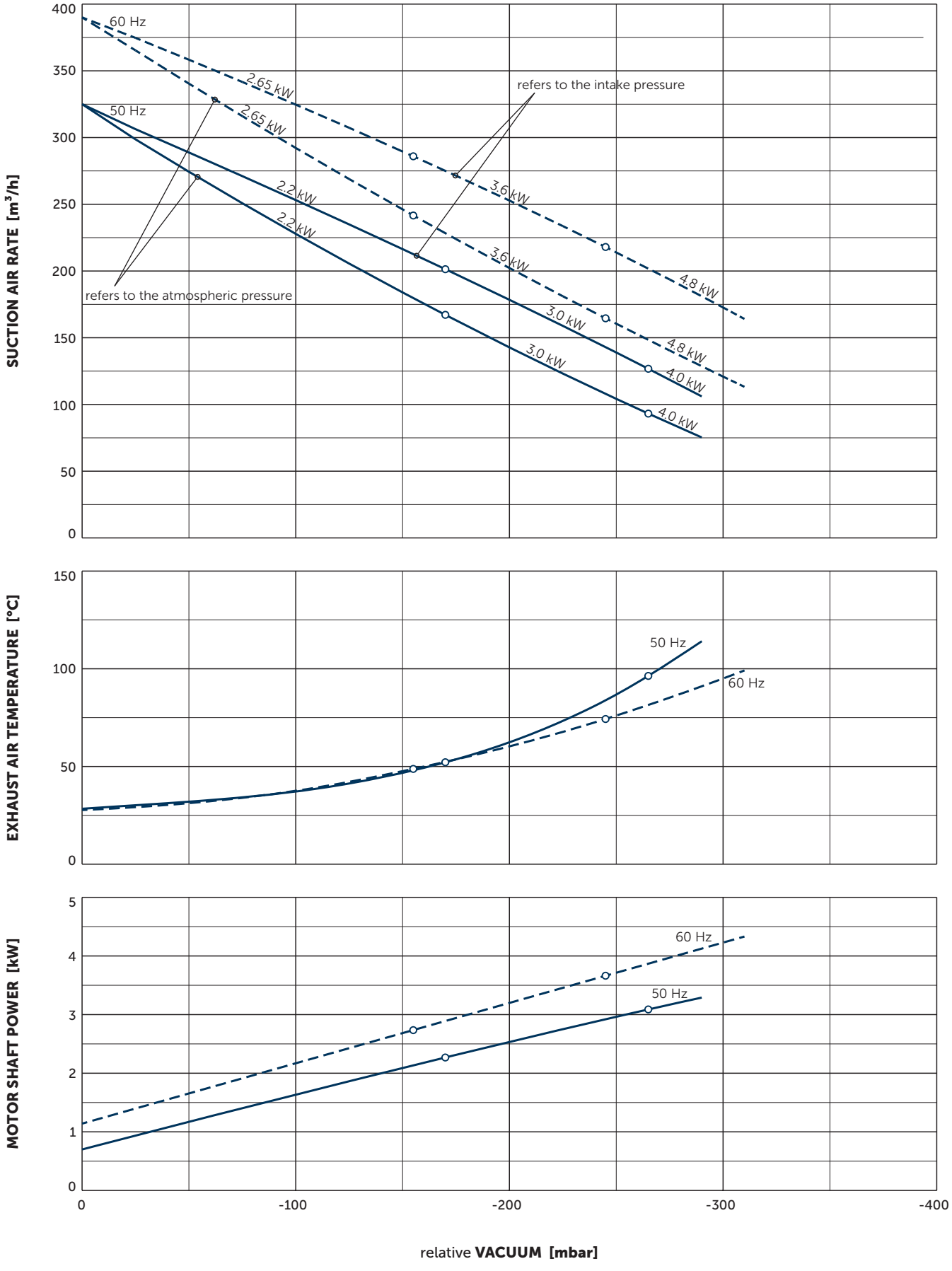
BECKER



1 Vacuum connection (G2½)
2 Pressure connection (G2½)
3 Optional vibration dampers (rubber buffers) for vertical installation
L Blower length L1 with motor
L1 and M1 are variable, see separate motor specification sheet.
* Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
▪ The motor illustration may vary
▪ Dimensions in mm

Suction air rate		Vacuum relative		Installed motor power		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	
325	390	-170	-155	2.2	2.65	69.5 (-115 mbar)	69.4 (-100 mbar)	42.0
325	390	-265	-245	3.0	3.6	69.9 (-180 mbar)	71.3 (-165 mbar)	44.5
325	390	-290	-310	4.0	4.8	71.8 (-205 mbar)	71.8 (-195 mbar)	50.0

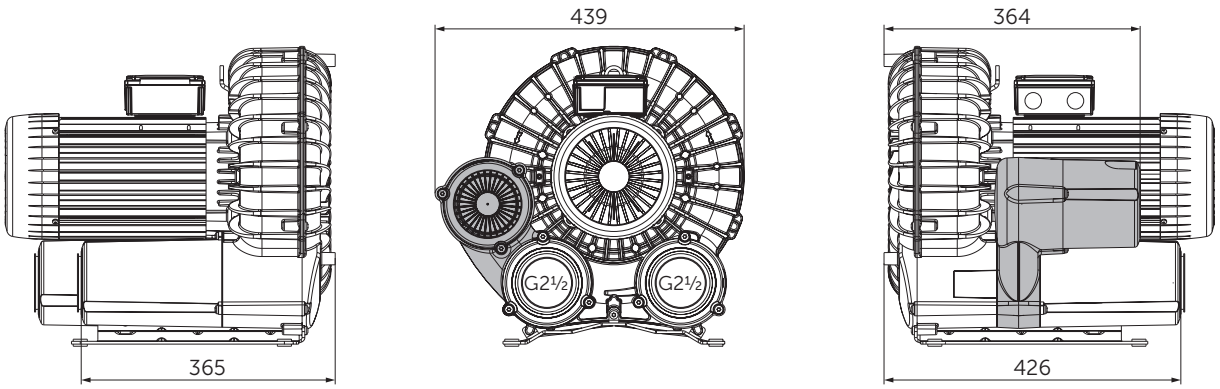
[1] According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m distance, at medium load, both connection sides piped
▪ Reference data (atmosphere): 1000 mbar, 20°C; Tolerance: ±10%



Reference data (atmosphere): 1000 mbar, 20°C
Tolerance: ±10%

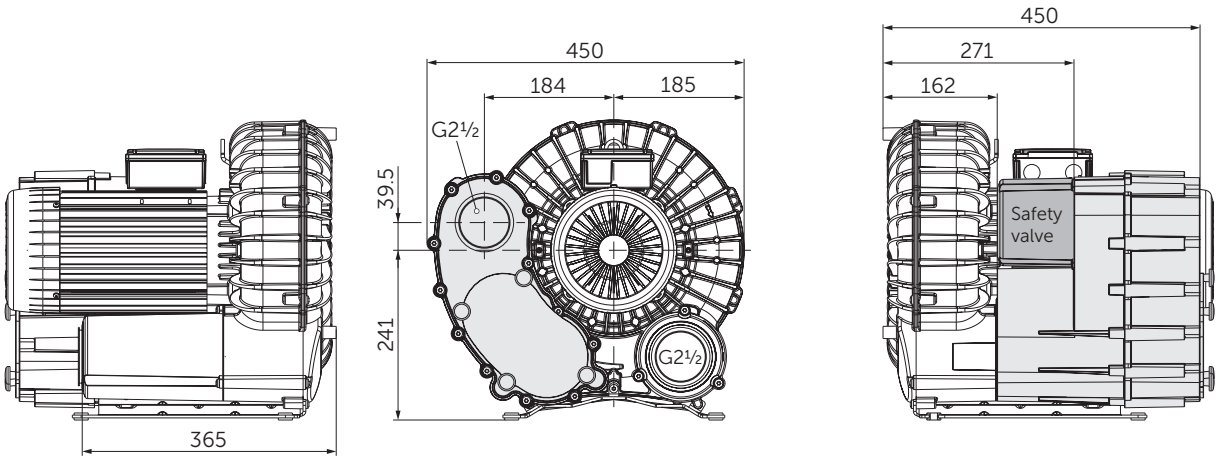
VARIANTS AND ACCESSORIES

VACUUM SAFETY VALVE



SUCTION FILTER

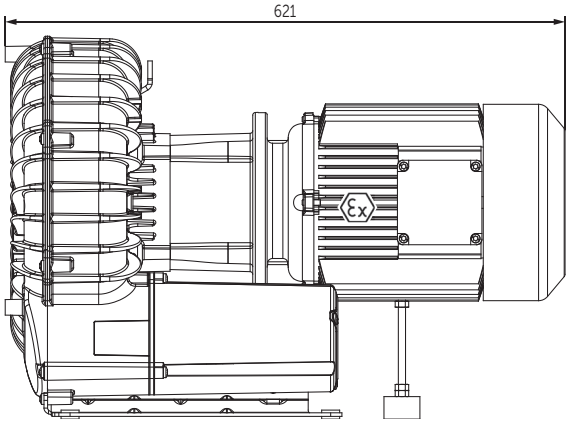
- Vacuum-sealed filter housing
- Paper or polyester insert
- Can be combined with vacuum safety valve
- Space requirement for filter change approx. 300 mm



- Dimensions in mm – For other dimensions, see the figure on page 2.

ATEX SV 300/1 WITH MOTOR

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

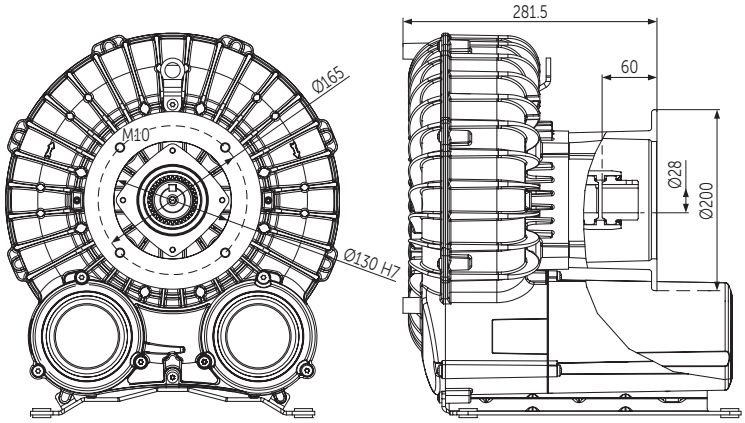


ATEX zone	Suction air rate m^3/h (50 Hz)	Vacuum relative mbar (50 Hz)
II 3G/3G c IIB T3 II 3D c IIIB T 125	325	-265

50 Hz				Total weight
kW	V	min^{-1}	A	kg
3.3	Δ230/Y400	2830	10.6/6.12	71

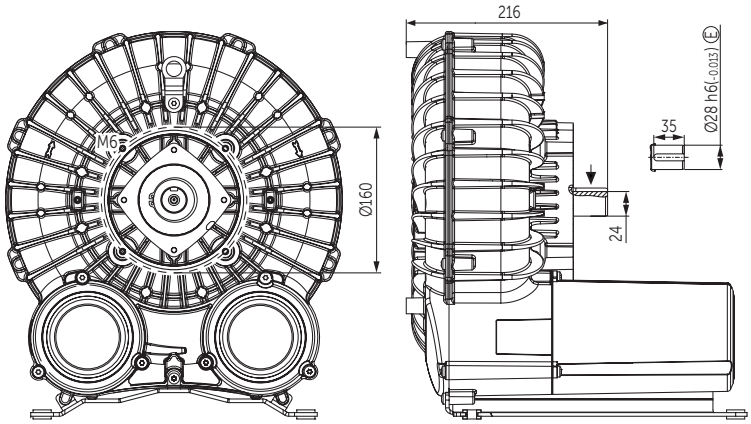
WITHOUT MOTOR

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



WITHOUT MOTOR

- With free shaft end
- Max. 5600 rpm with V-belt pulley
- Possible performance data see VARIAIR SV 300/1 [1)]



OTHER VARIANTS AND ACCESSORIES

- With increased corrosion protection
- VARIAIR SV 300/1 with frequency inverter for 87 Hz operation [1)]
- VARIAIR SV 300/1 with frequency inverter for 100 Hz operation [1)]
- VARIAIR SV 300/1 gas-tight (inert gases) with frequency inverter for 100 Hz operation [1)]
- Sound proof box SH 18 [1)]



Sound proof box SH 18

[1)] See separate data sheet

- Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case. The motor illustration may vary.
- Dimensions in mm – For other dimensions, see the figure on page 2.

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