

DATA SHEET

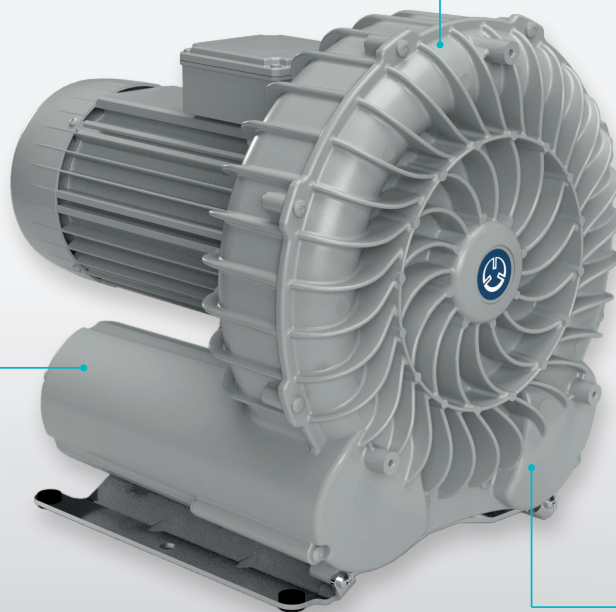
SV 300/1

SIDE CHANNEL VACUUM PUMPS

single stage
air-cooled

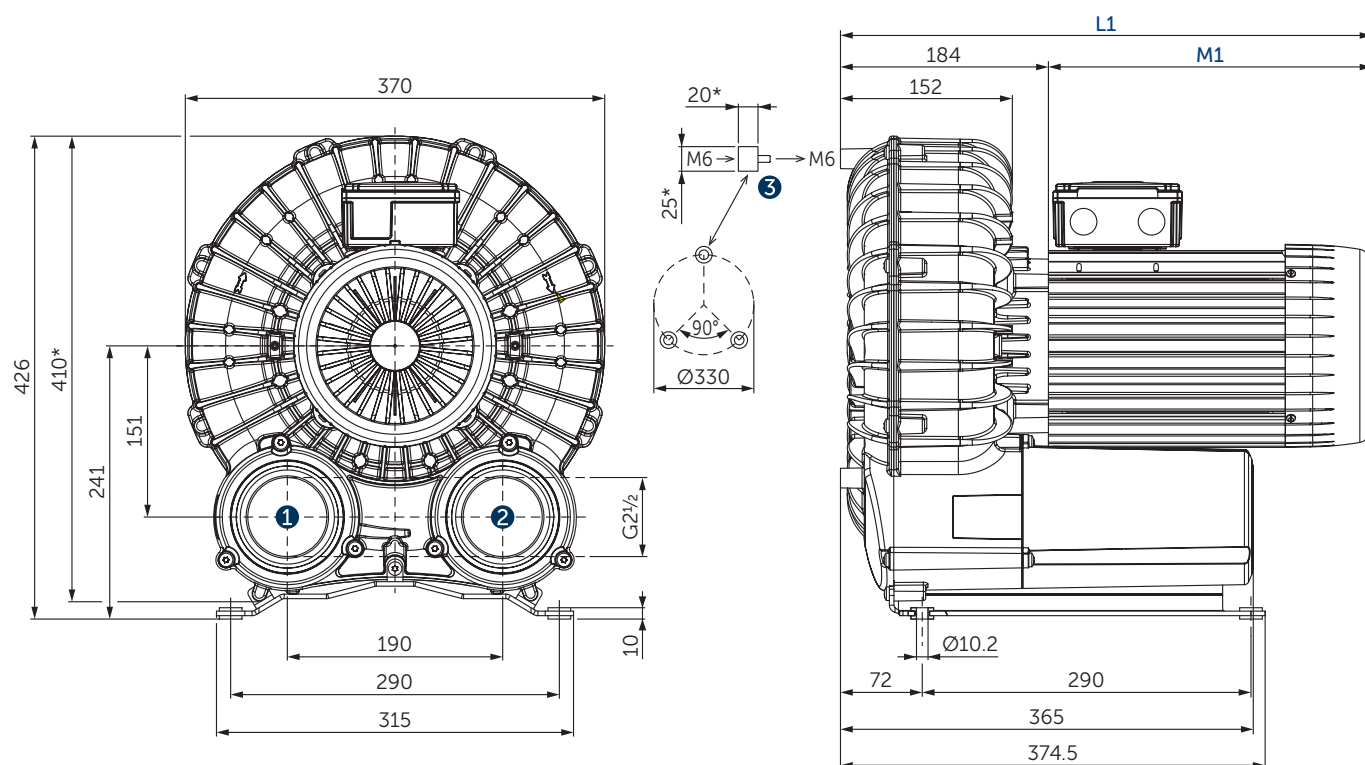
MAKE IT BECKER.

COMPACT DUE
TO INTEGRABLE
ACCESSORIES



100% OIL-FREE AND
CONTACTLESS OPERATION

EFFICIENT AND
MAINTENANCE-FREE



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

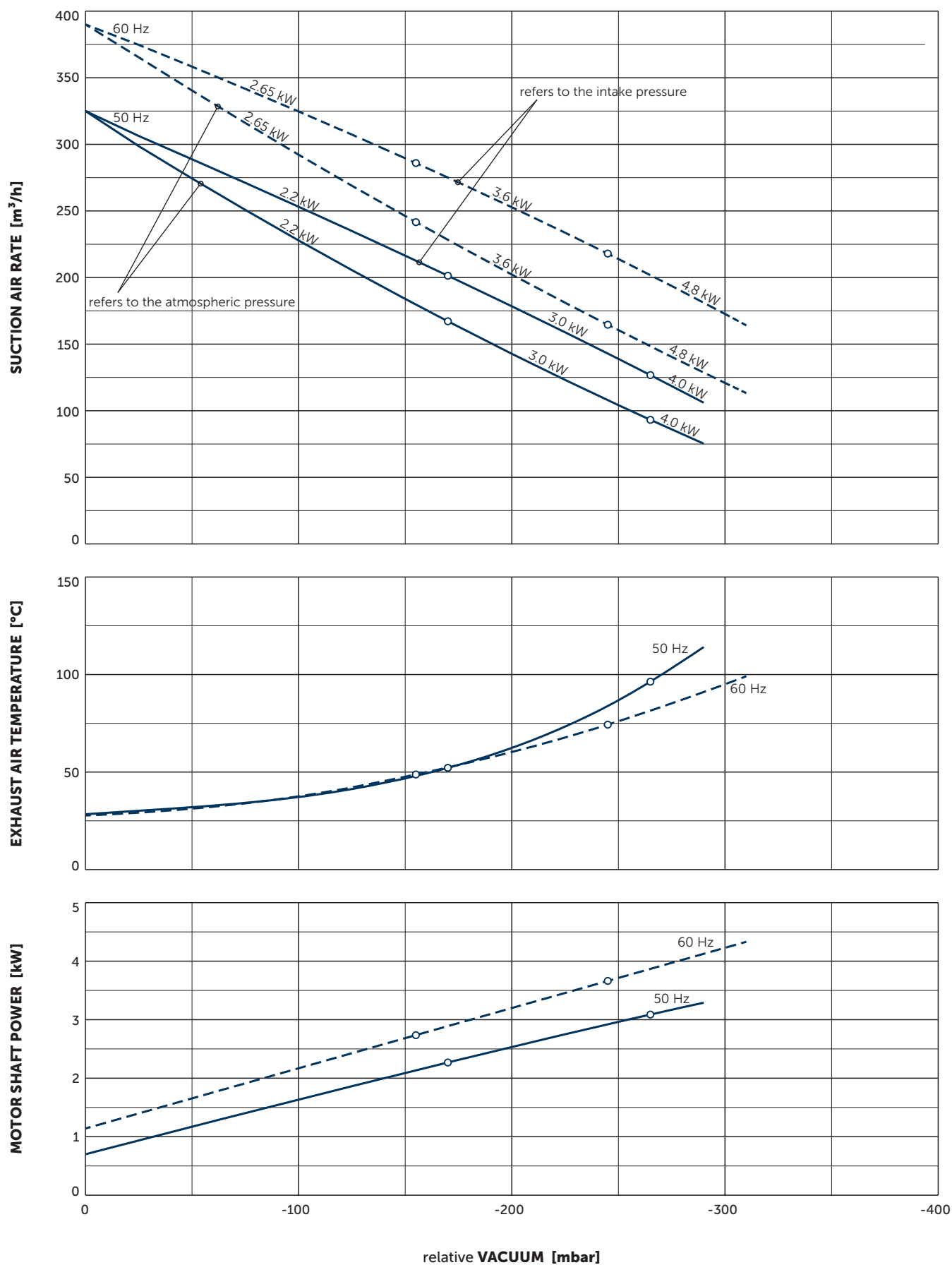
▪ Dimensions in mm

Suction air rate		Vacuum relative		Installed motor power		Emission sound pressure level ¹⁾		Weight with motor
m³/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

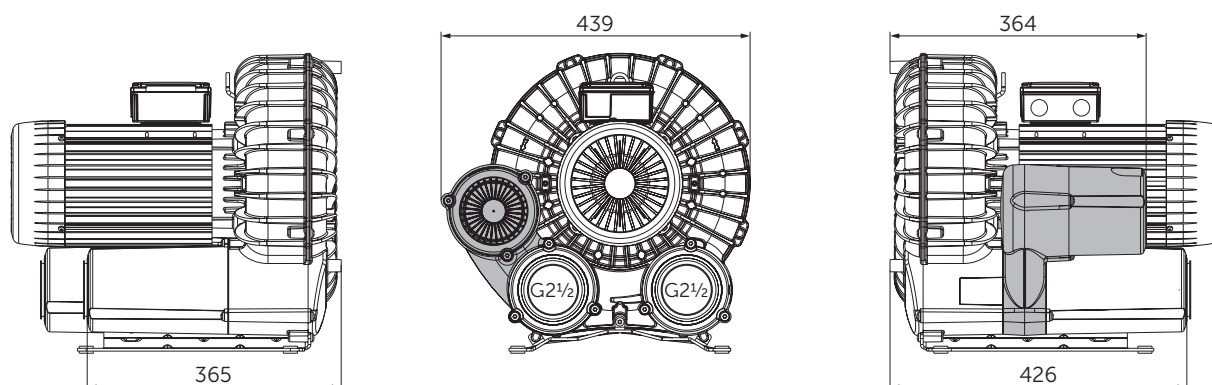
▪ Reference data (atmosphere): 1000 mbar, 20°C; Tolerance: ±10%



Reference data (atmosphere): 1000 mbar, 20°C
Tolerance: $\pm 10\%$

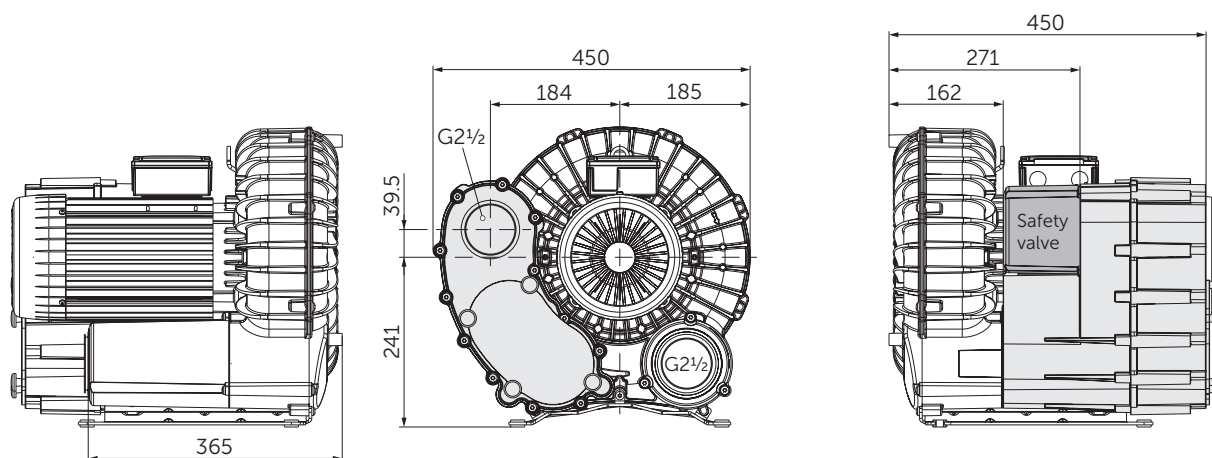
+ VARIANTS AND ACCESSORIES

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

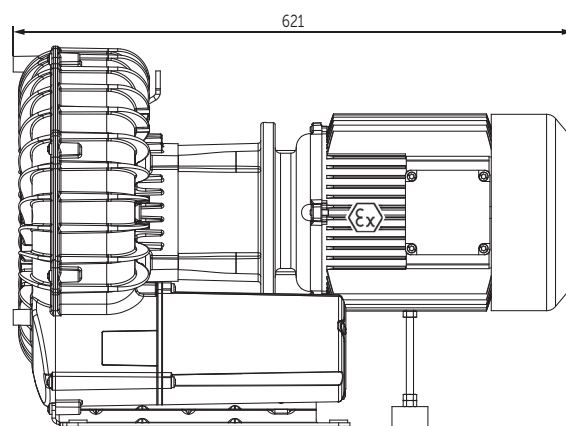


ATEX SV 300/1 WITH MOTOR

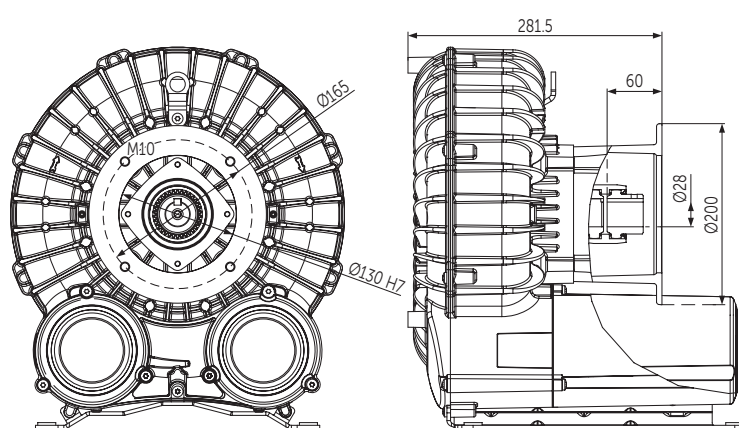
- With coupling for flange motor
- The motor must be supported!

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

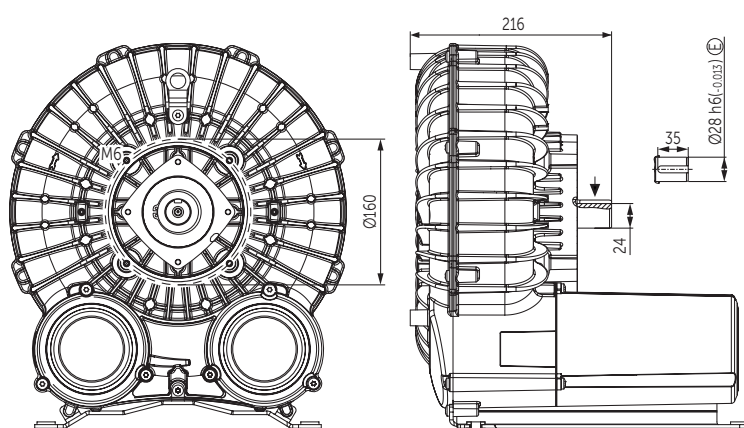
50 Hz				Total weight kg
kW	V	min ⁻¹	A	
3.3	Δ230/Y400	2830	10.6/6.12	71

**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 VARIAR SV 300/1¹⁾

**OTHER VARIANTS AND ACCESSORIES**

- With increased corrosion protection
- VARIAR SV 300/1 with frequency inverter for 87 Hz operation¹⁾
- VARIAR SV 300/1 with frequency inverter for 100 Hz operation¹⁾
- VARIAR SV 300/1 gas-tight (inert gases) with frequency inverter for 100 Hz operation¹⁾
- Sound proof box SH 18¹⁾

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.



Sound proof box SH 18

MAKE IT BECKER.

HOMEPAGE
SV SERIES



DOWNLOAD
MOTOR SPECS.



ONLINE SHOP
SV 300/1

