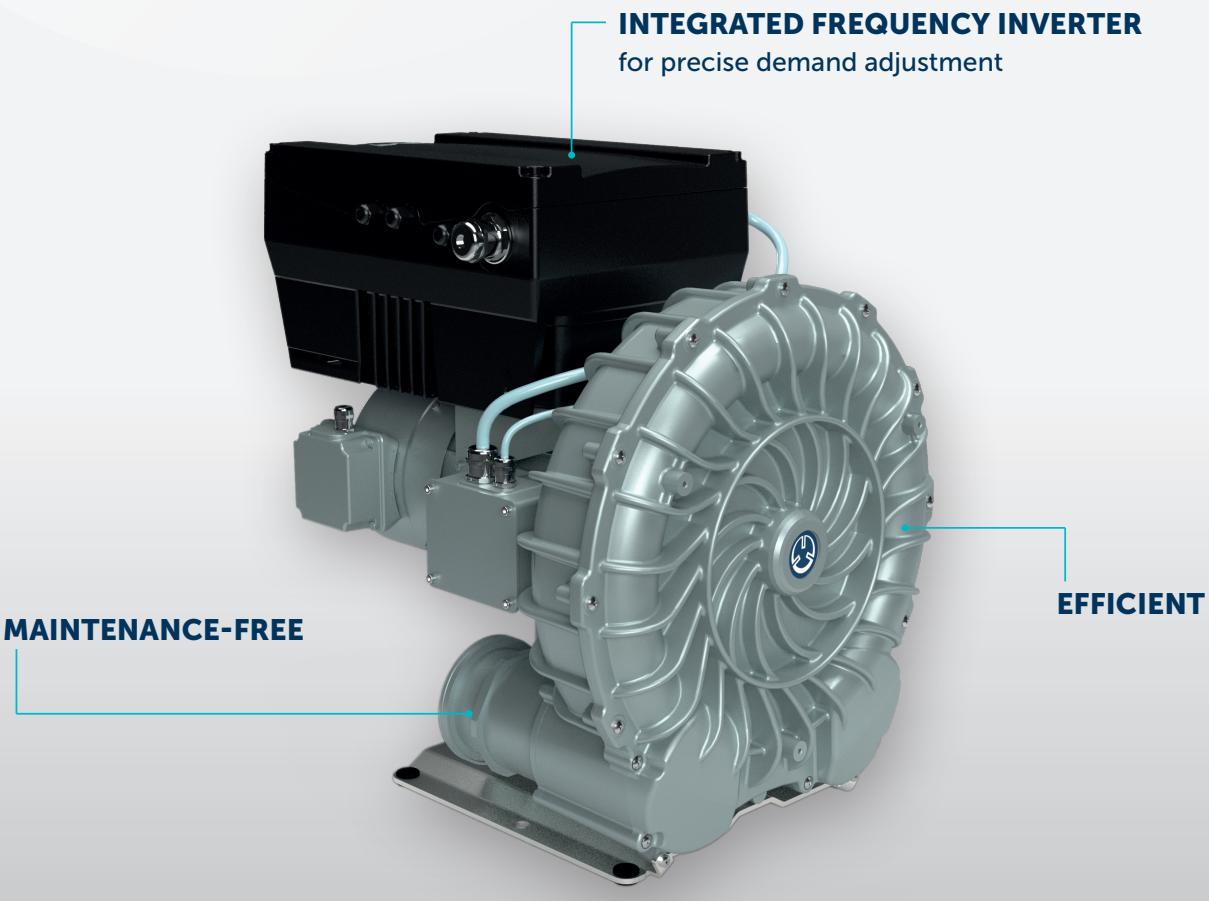
DATA SHEET

VARIAIR SV 500/1

SIDE CHANNEL BLOWERS

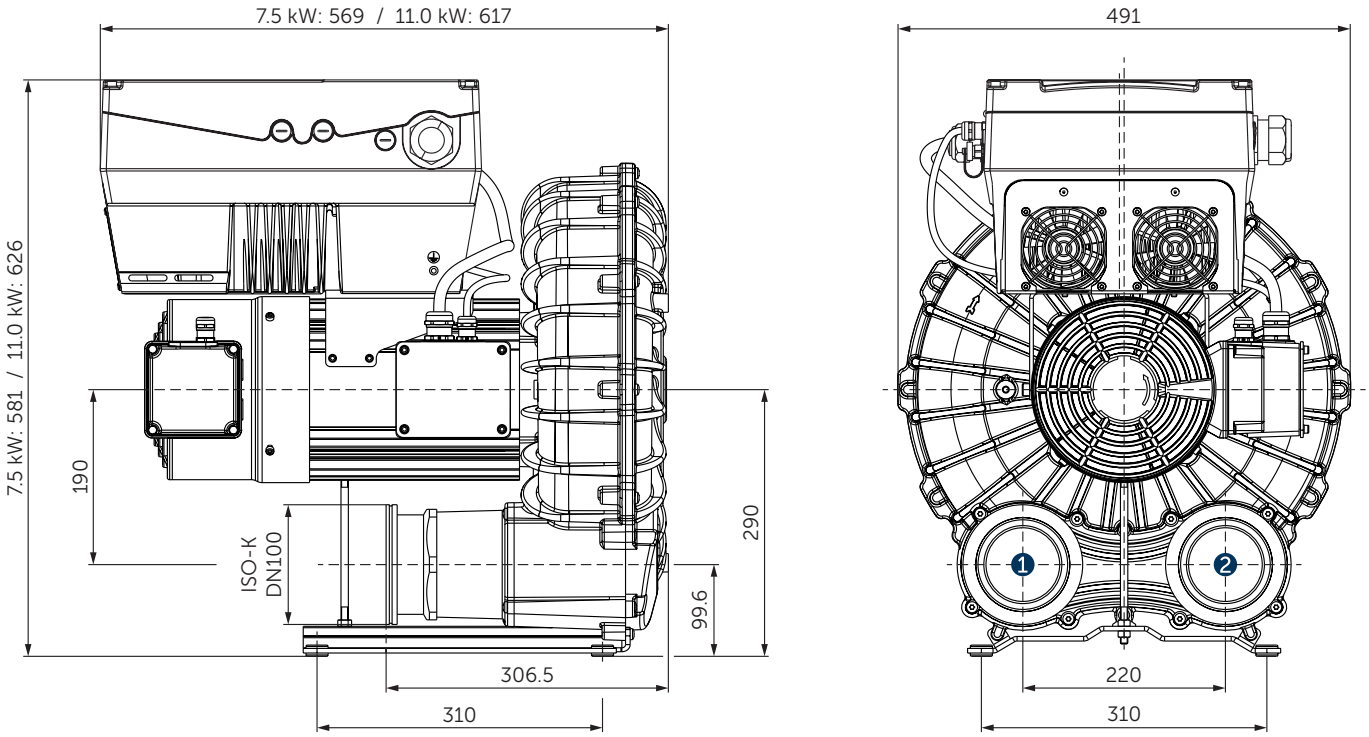
single stage, air-cooled, gas-tight
VARIAIR frequency inverter

MAKE IT BECKER.



VARIAIR UNIT

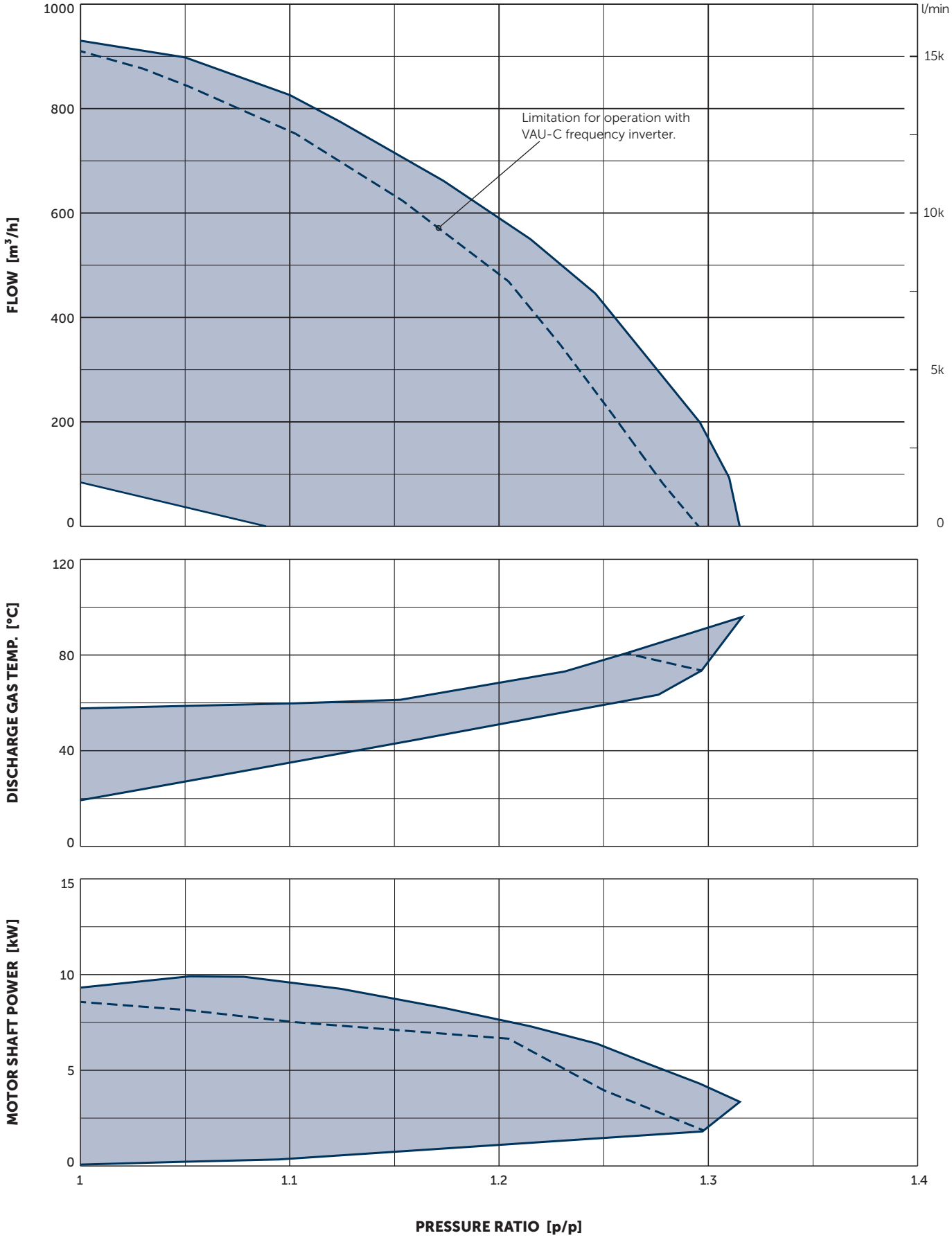
BECKER



1 Vacuum connection DN 100 ISO-K (DIN 28404), optional DN 100 (DIN 32676-A)
2 Pressure connection DN 100 ISO-K (DIN 28404), optional DN 100 (DIN 32676-A)
▪ Dimensions in mm

Flow [1]	Pressure ratio [1]	Frequency	Emission sound pressure level [2]	Weight	Frequency inverter [3]
m^3/h max.	p/p max.	Hz	dB(A) @ 1.135 p/p (67 Hz)	kg	
910	1.295	10–100	71	78.5	VAU-C ≤11.0 kW 400–480 V ±10% 50/60 Hz
930	1.315	10–100	71	90.8	VAU-D ≤30.0 kW 400–480 V ±10% 50/60 Hz

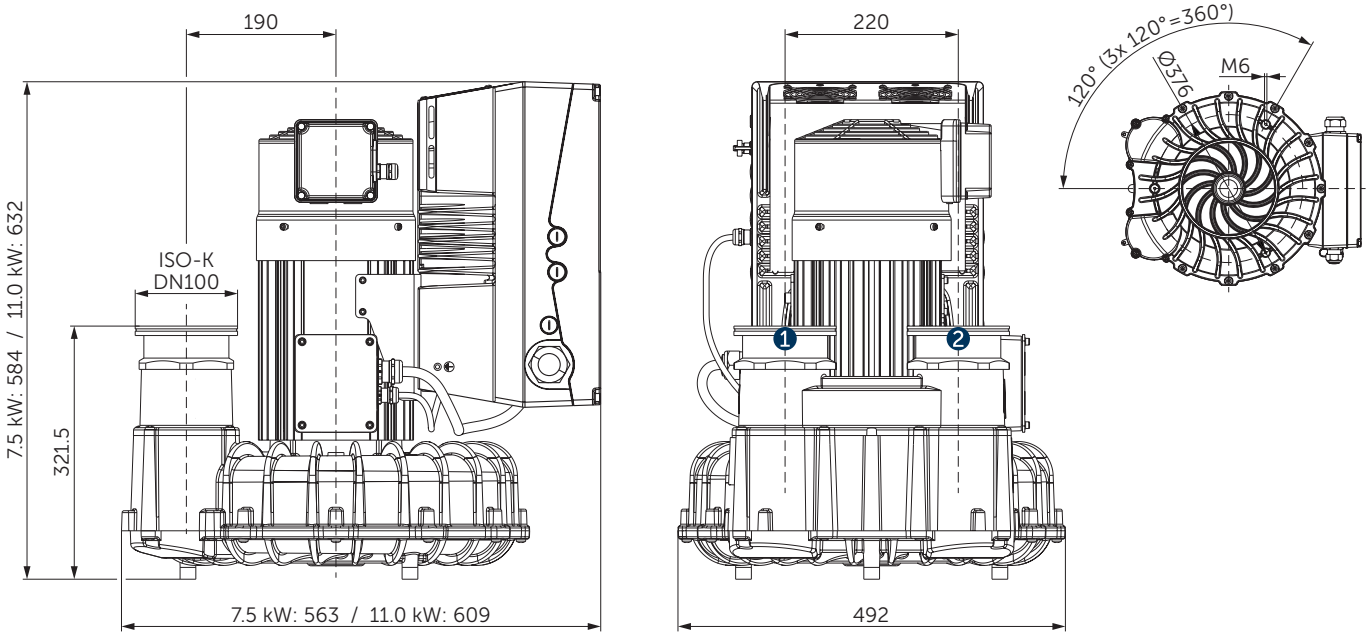
[1] Measured for argon at reference data (atmosphere): 1000 mbar, 20°C; Tolerance: ±10%
Leakage rate <1x10^{-5} mbar l/s (<1x10^{-6} Pa m^3/s) measured with a helium leak detector, integral for the complete unit
[2] According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m distance, at medium load, both connection sides piped
[3] The frequency inverter is designed for a specific maximum motor power. (See inverter instructions for details.)
The motor is selected on the basis of the required motor shaft power. Therefore, the installed motor power may be less than the maximum power supported by the inverter.



Reference data (atmosphere): 1000 mbar, 20°C
Tolerance: ±10%
Measured for argon (deviating characteristics for other inert gases)
Ambient temperature: ≤ 45°C
Inlet pressure: ≤ 1050 mbar

VARIANTS

WITHOUT PEDESTAL, WITH RUFFER BUFFERS



1 Vacuum connection DN 100 ISO-K (DIN 28404), optional DN 100 (DIN 32676-A)
2 Pressure connection DN 100 ISO-K (DIN 28404), optional DN 100 (DIN 32676-A)
- Dimensions in mm

Right of modification reserved 2024-11-21

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HOMEPAGE
SV GAS-TIGHT

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