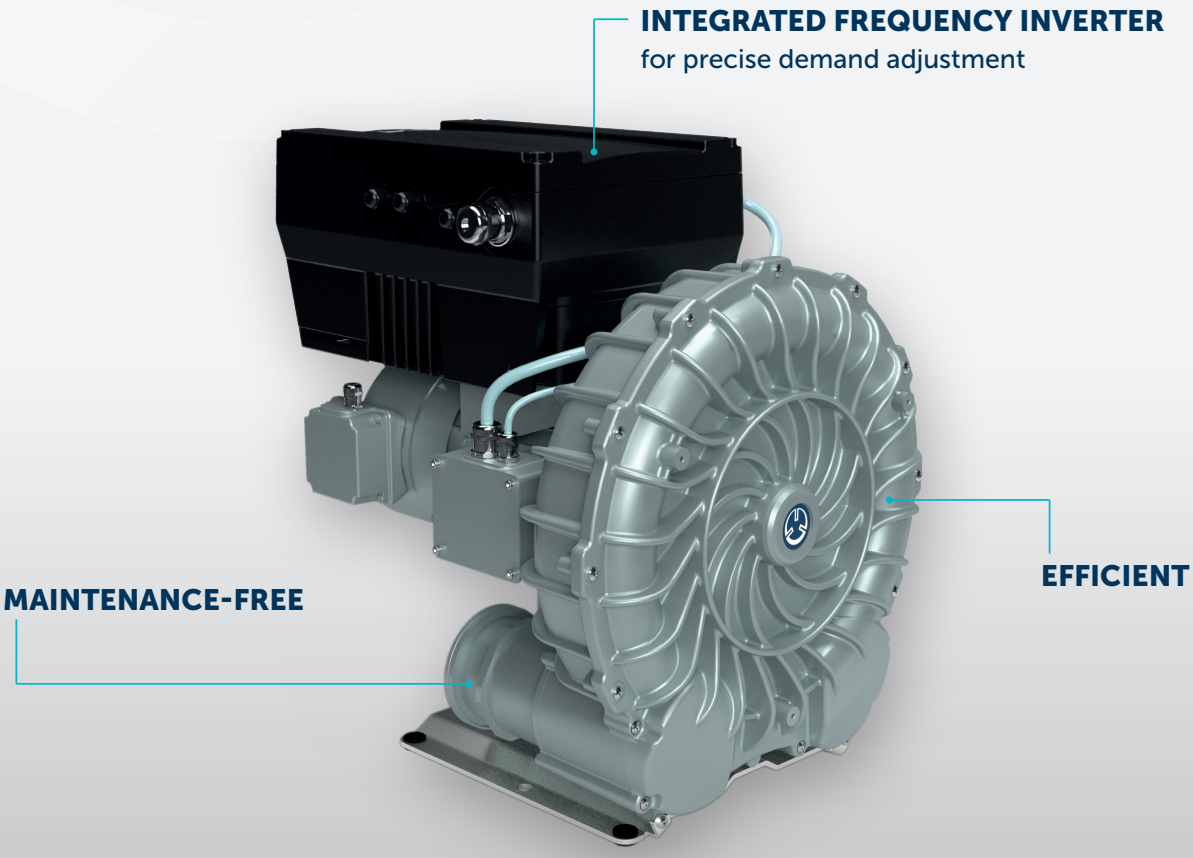
DATA SHEET

VARIAIR SV 500/1

SIDE CHANNEL BLOWERS

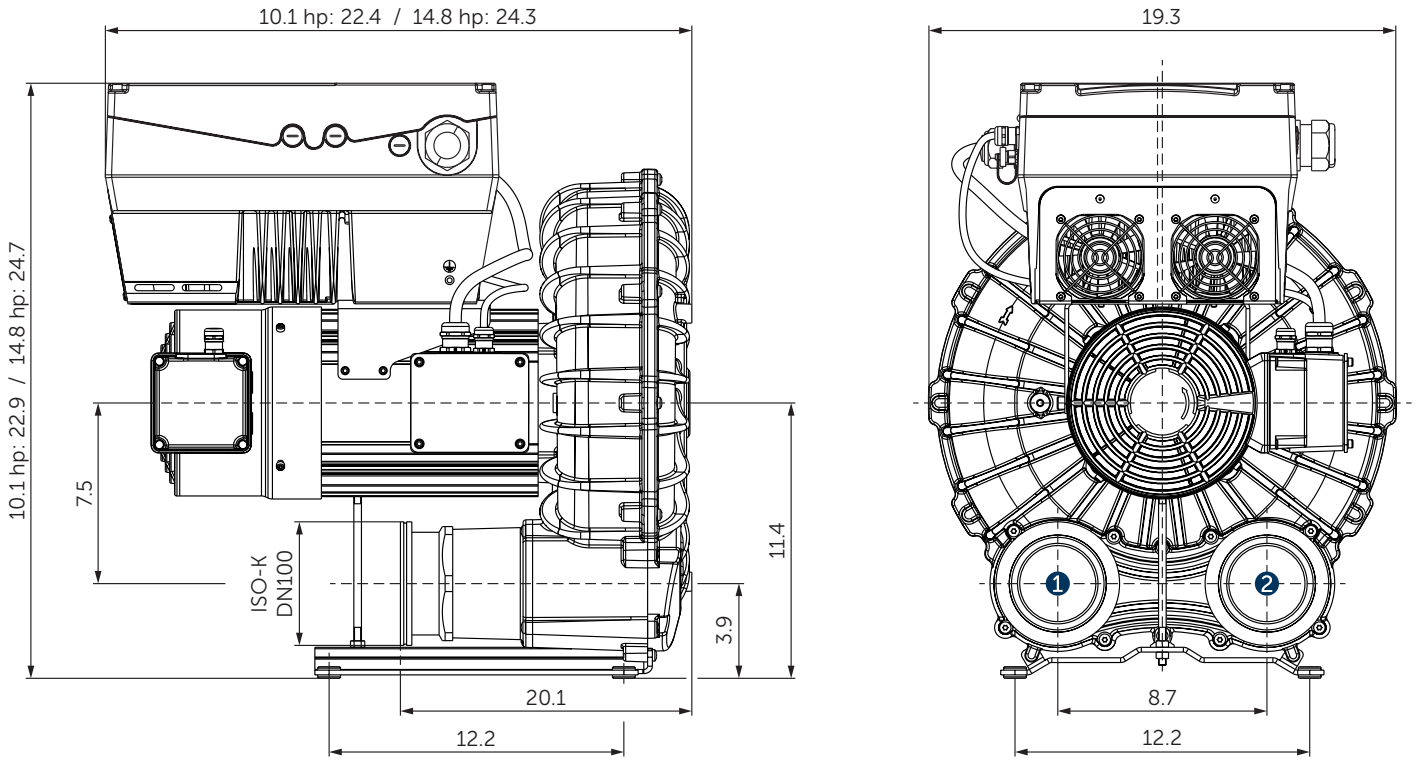
single stage, air-cooled, gas-tight
VARIAIR frequency inverter

MAKE IT BECKER.



VARIAIR UNIT

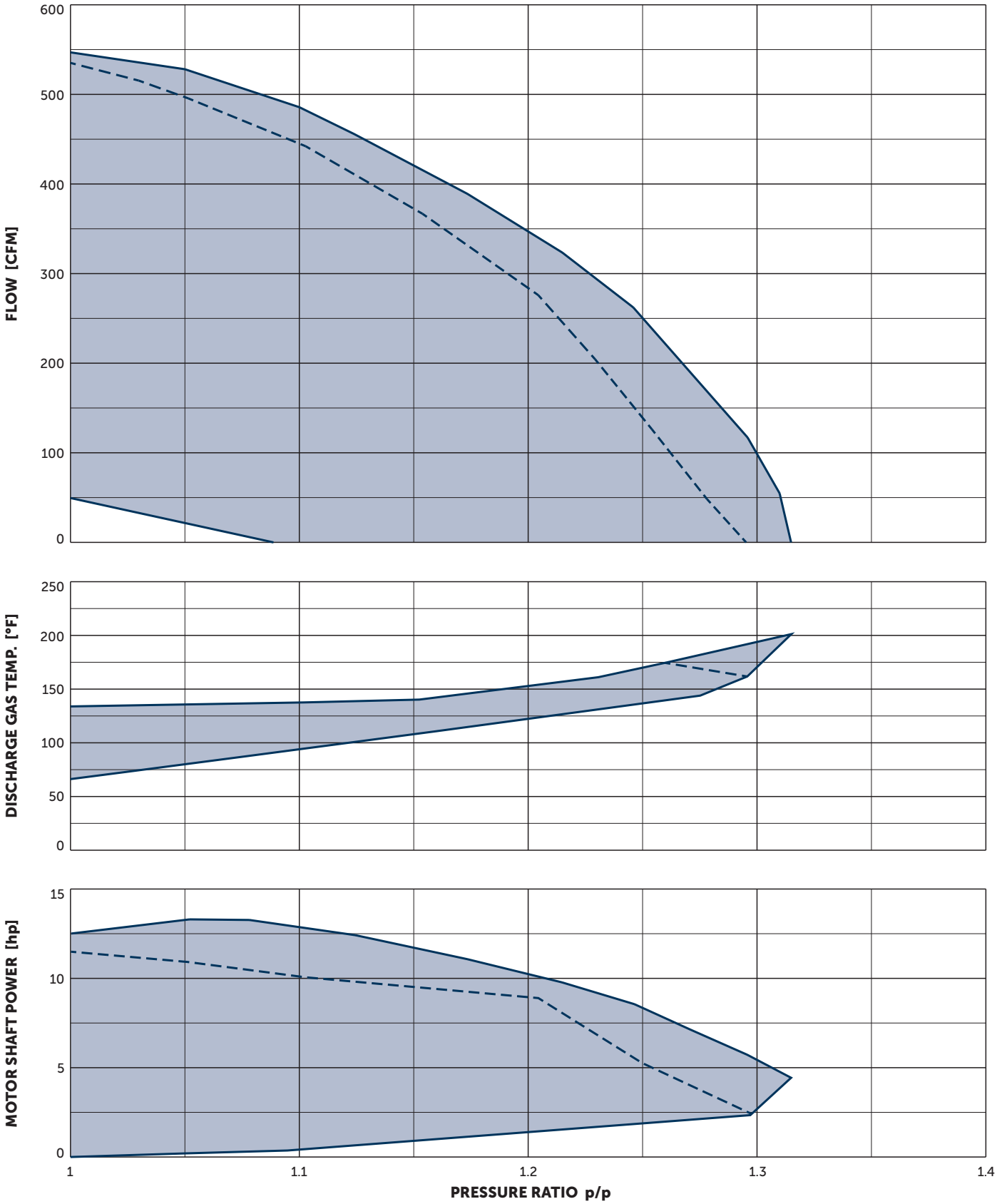
BECKER



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 inch

Flow [1]	Pressure ratio [1]	Frequency	Emission sound pressure level [2]	Weight	Frequency inverter [3]
CFM max.	p/p max.	Hz	dB(A) @1.135 p/p (67 Hz)	lbs	
535	1.295	10–100	71	173.1	VAU-C ≤14.8 hp 400–480 V ±10% 50/60 Hz
547	1.315	10–100	71	200.2	VAU-D ≤40.2 hp 400–480 V ±10% 50/60 Hz

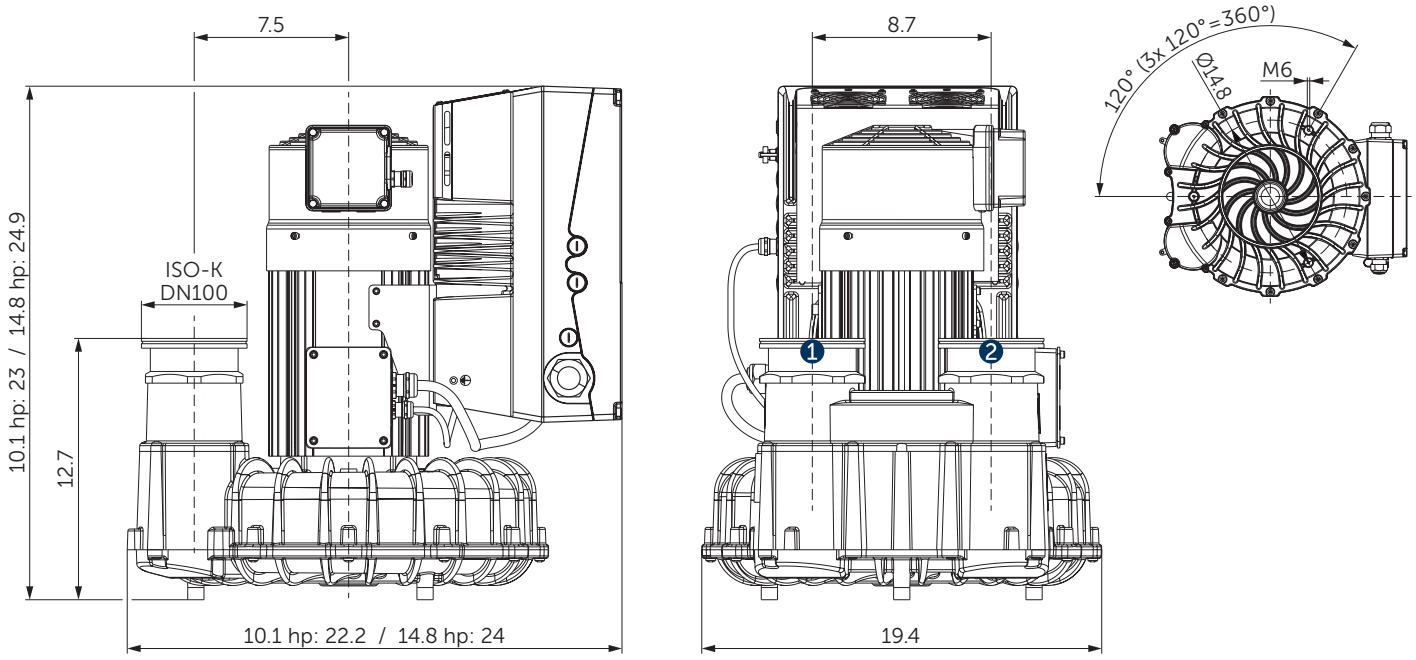
[1] Measured for argon at reference data (atmosphere): 0 PSIG, 68°F; tolerance: ±10%
Leakage rate <1x10^{-5} mbar l/s (<1x10^{-6} Pa m^3/s) measured with a helium leak detector, integral for the complete unit
[2] According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
39.4 inch distance, at medium load, both connection sides piped, suction side unloaded
[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): 0 PSIG, 68°F; Tolerance: ±10%
Measured for argon (deviating characteristics for other inert gases)
Ambient temperature: ≤ 113°F
Inlet pressure: ≤ 0.725 PSIG

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 inch

Right of modification reserved 2024-11-21

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