DATA SHEET

VADS 250
SCREW VACUUM PUMPS

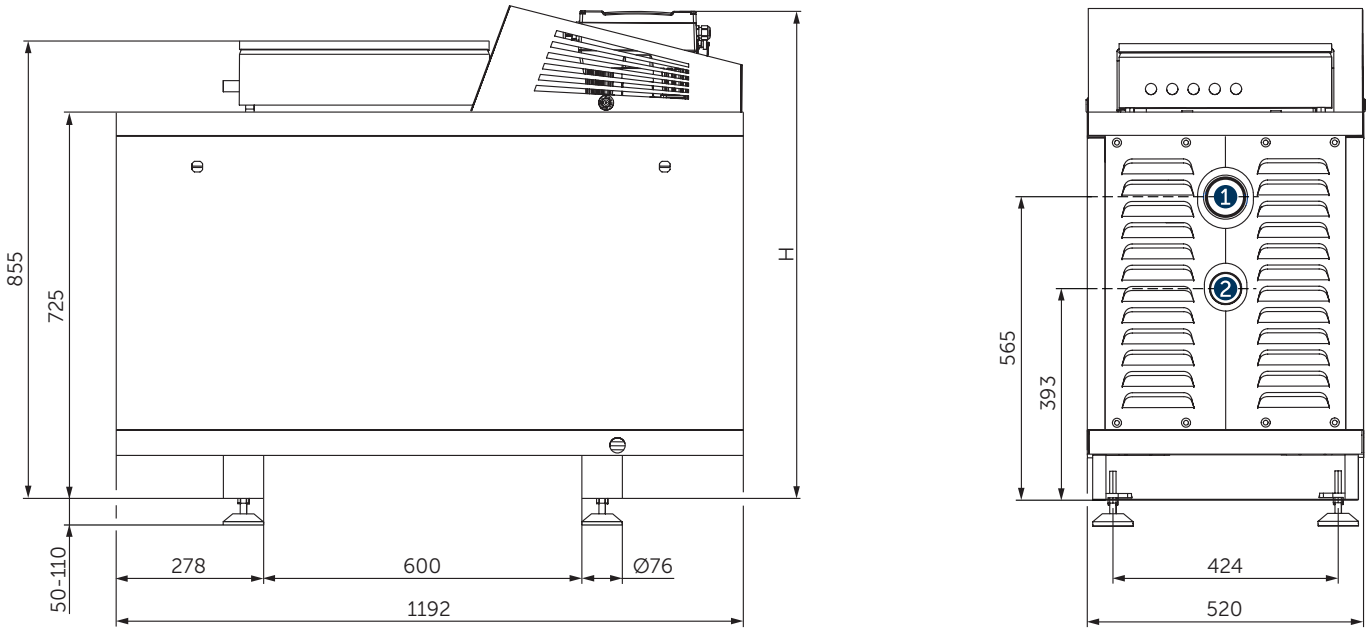
dry and contact free compression, air-cooled
direct drive and VARIAIR frequency inverter

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VARIAIR DIRECT SCREW

BECKER

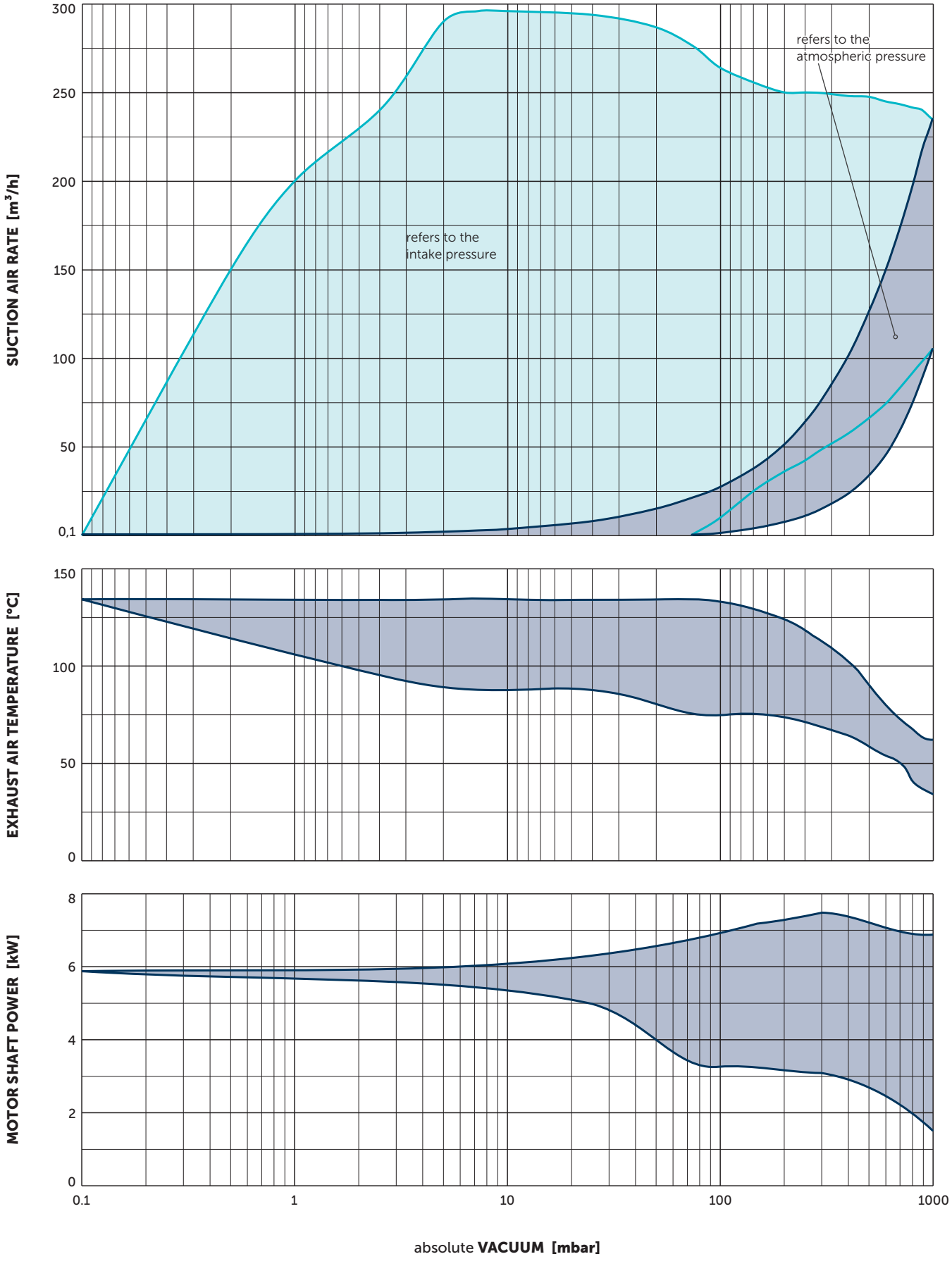


1 Vacuum connection (G2½)
2 Exhaust air connection (G2)
▪ Dimensions in mm

	Suction air rate [1]	Vacuum absolute	Emission sound pressure level [2]	Weight	Oil [3]	Protection class	H
	m^3/h maximum	mbar maximum	dB(A)	kg	l		mm
VADS 250 standard VADS 250/2 seal gas	240/290	≤0.1	68	280	8	IP 20	923
VADS 250/4 200/208 V	240/290	≤0.1	72	291	8	IP 20	968

	Speed	Frequency	M 3~ U V W 3~ L1 L2 L3			
	min^{-1}	Hz	kW	V	Hz	IP
VADS 250 standard VADS 250/2 seal gas	5000–10000	170–340	7.5	400/480 ±10%	50/60	55
VADS 250/4 200/208 V	5000–10000	170–340	7.5	200/208 +6% -10%	50/60	55

[1] Refers to atmospheric / intake pressure
[2] DIN EN ISO 3744 (KpA = 3 dB(A)) interval of 1 m, at medium load, both connection sides piped
[3] Becker Lube G 70 mineral
▪ Rotation speed may vary. Tolerance -1.5/+2%



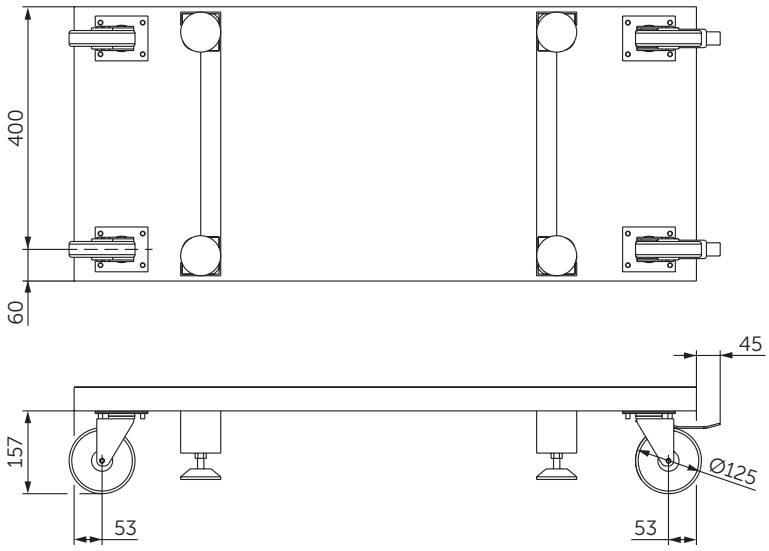
Reference data (atmosphere): 1000 mbar, 20°C
Tolerance: ±5%

VARIANTS AND ACCESSORIES

CONFIGURATION

Operating mode	Actual value	Set point
Speed set mode		internal
Speed set mode		external 0–10 V
Speed set mode		external 4–20 mA
Vacuum constant control (PID control) including sensor for actual value	0–10 V	internal
Vacuum constant control (PID control) including sensor for actual value	0–10 V	external 0–10 V
Vacuum constant control (PID control) including sensor for actual value	0–10 V	external 4–20 mA
Vacuum constant control (PID control) including sensor for actual value	4–20 mA	internal
Vacuum constant control (PID control) including sensor for actual value	4–20 mA	external 0–10 V
Vacuum constant control (PID control) including sensor for actual value	4–20 mA	external 4–20 mA

HEAVY DUTY ROLLERS



OTHER ACCESSORIES

- **Flange adapter** ISO-K, 2 ½"–3"
- **Manual control unit** for inverter [1)]
- **Pressure-reducing device and/or gas ballast option** (only for VADS 250/2 seal gas)
- **Non-return valve ST 630** [1)]
- **2/2-way solenoid valve** [1)] (230 V AC or 24 V DC)
- **Ball valve**
- **External silencer S 1.200** [1)] **or S 6.400** [1)]
- **Oil Becker Lube G 70 mineral**

[1)] See separate data sheet
- Combination options on request
- Dimensions in mm

Right of modification reserved 2024-12-23

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HOMEPAGE
VADS SERIES

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