

Пластинчато-роторные вакуумные насосы с масляным уплотнением

Серия VARIAIR U 5

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Единый адрес для всех регионов: bcd@nt-rt.ru || www.becker.nt-rt.ru

DATA SHEET

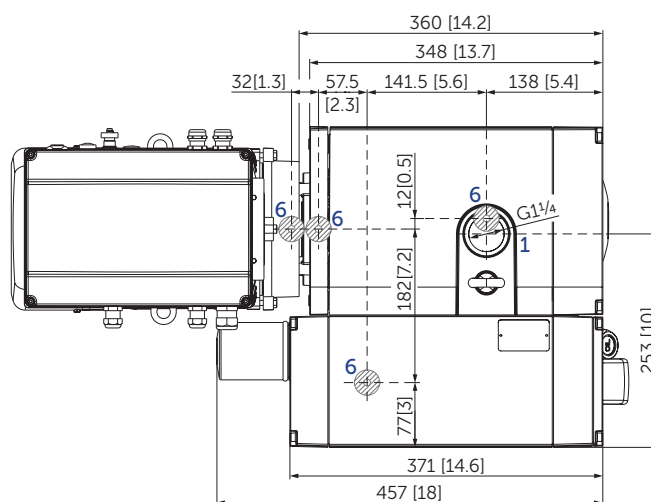
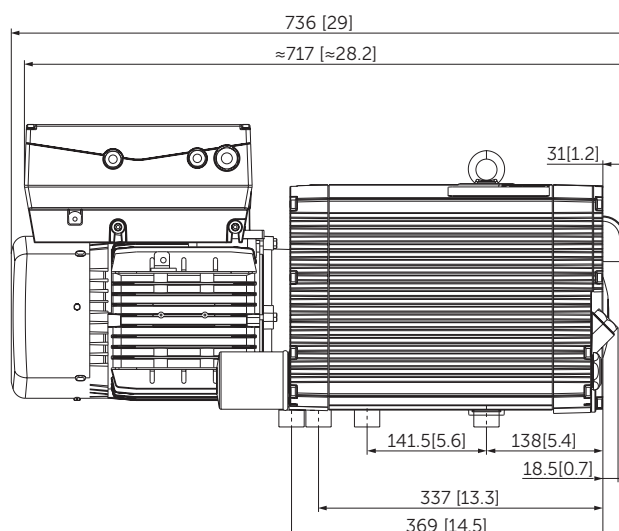
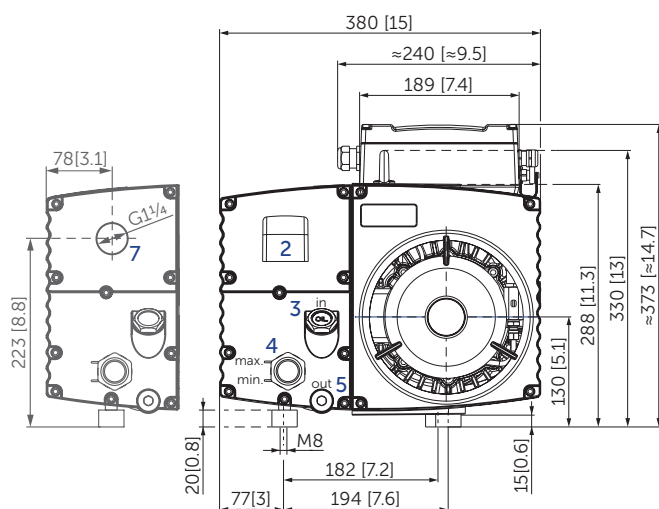
VARIAIR U 5.101 **ROTARY VANE-** **VACUUM PUMPS**

oil-lubricated and air-cooled
frequency inverter

MAKE IT BECKER.



VARIAIR
UNIT



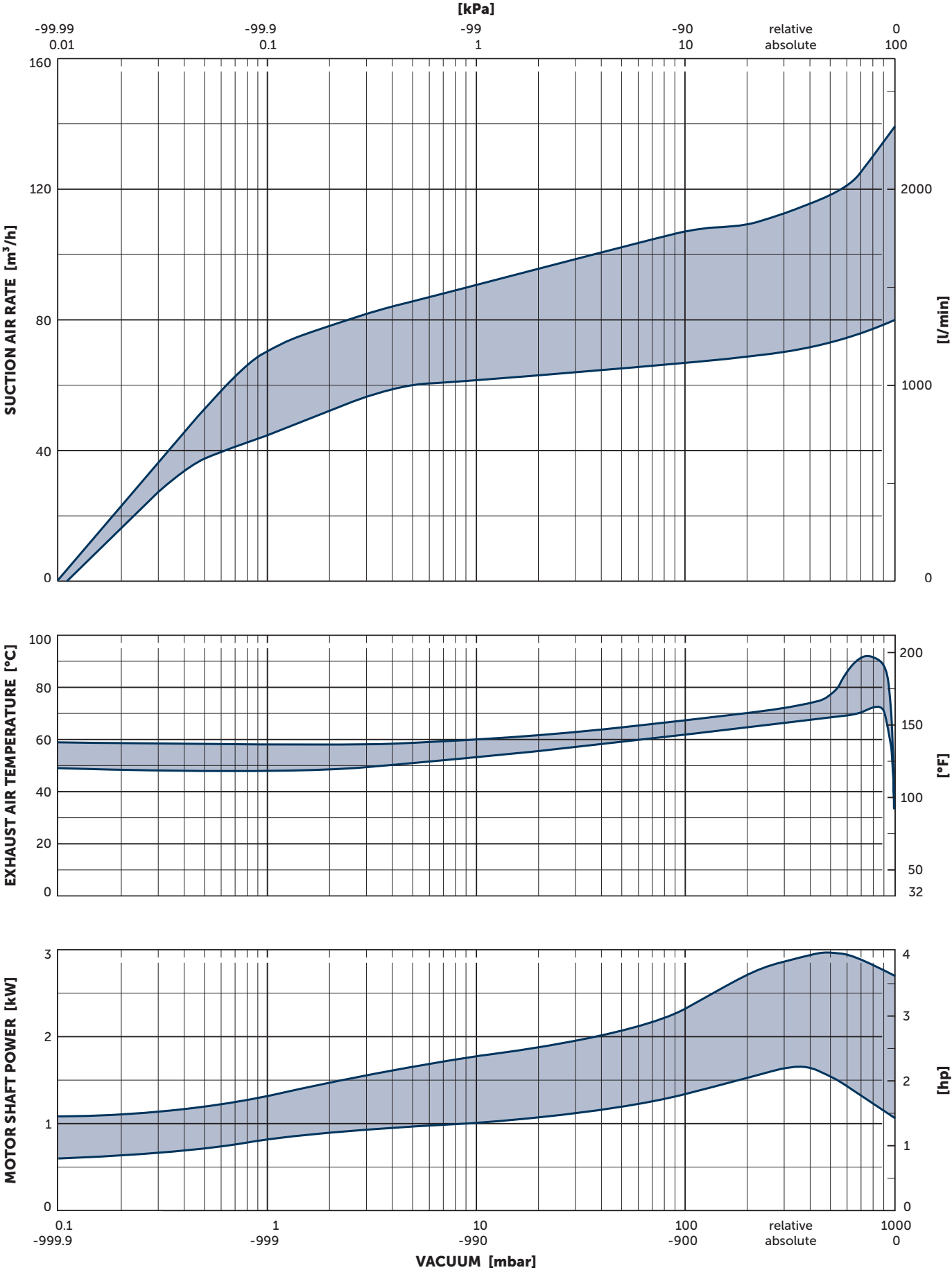
- 1 Vacuum connection (G1¼)
- 2 Exhaust air (diverter)
- 3 Oil filler cap (G¾)
- 4 Oil sight glass (G1)
- 5 Screw plug for oil drain (G½)
- 6 Rubber buffer position
- 7 optional: threaded connector for exhaust air (G1¼)
 - incl. gas ballast valve, non-return valve, oil separator and oil filter
 - The motor illustration may vary
 - Dimensions in mm [inch]

Nominal capacity	Vacuum absolute for continous operation	Frequency	Emission sound pressure level ¹⁾		Weight	Oil ²⁾		
m³/h max.	mbar max.	Hz	50 Hz	60 Hz	kg	l	Frequency inverter VAU4/4	A max.
140	0.1	40–65	65	68	71.5	2.0	4.0 kW 400–480 V ±10% 50/60 Hz	16

¹⁾ According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m [39.4 inch] distance, at medium load, both connection sides piped

²⁾ Becker Lube M100 mineral • S100 synthetic • SL100 food

- Gas ballast valve: vacuum 1.0 mbar absolute with opened gas ballast valve; water vapour tolerance max. 7 mbar; water vapour capacity max. 0.9 l/h (at 85°C operating temperature)



Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: $\pm 10\%$

DATA SHEET

VARIAIR U 5.201

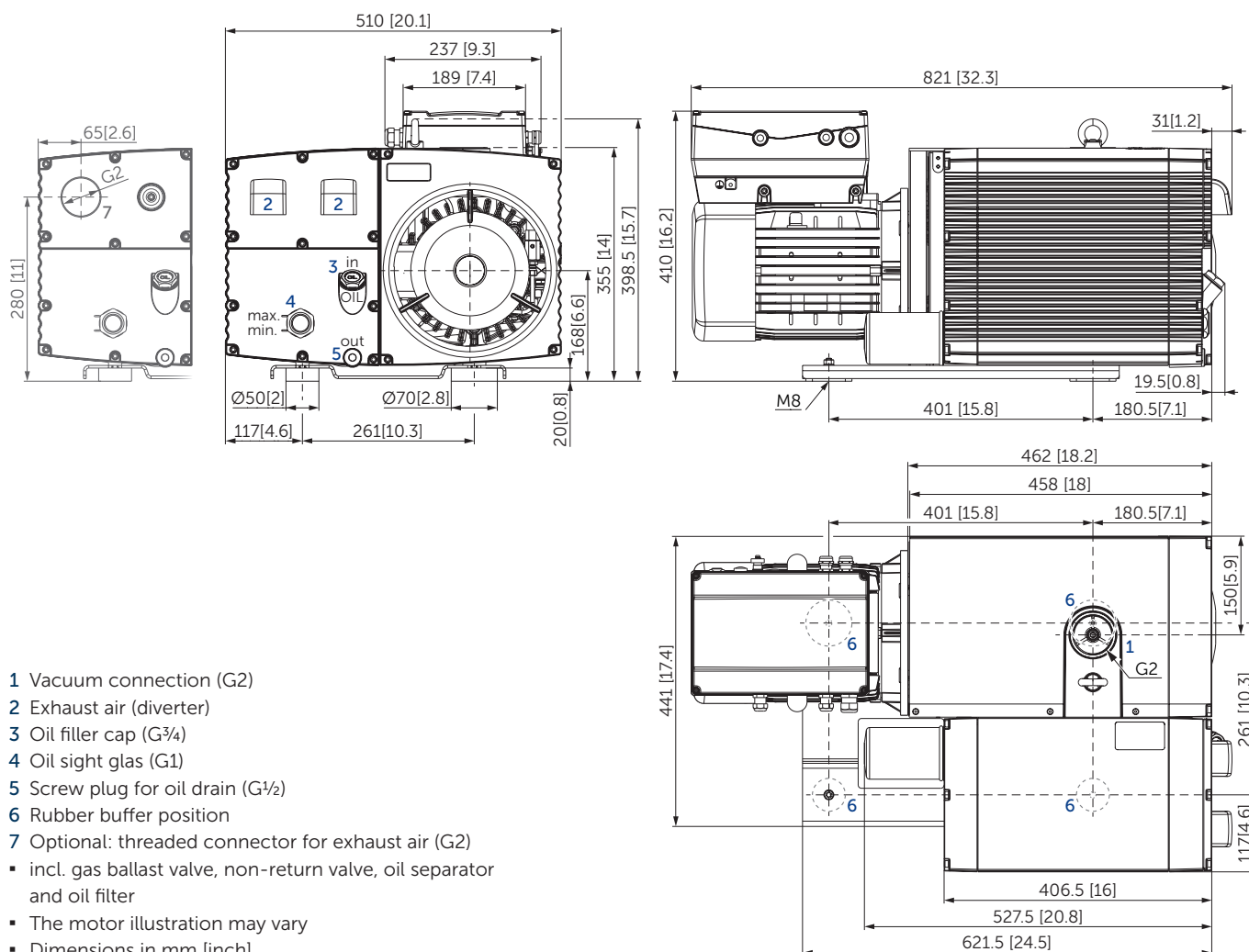
ROTARY VANE- VACUUM PUMPS

oil-lubricated and air-cooled
frequency inverter

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figure VARIAIR U 5.101

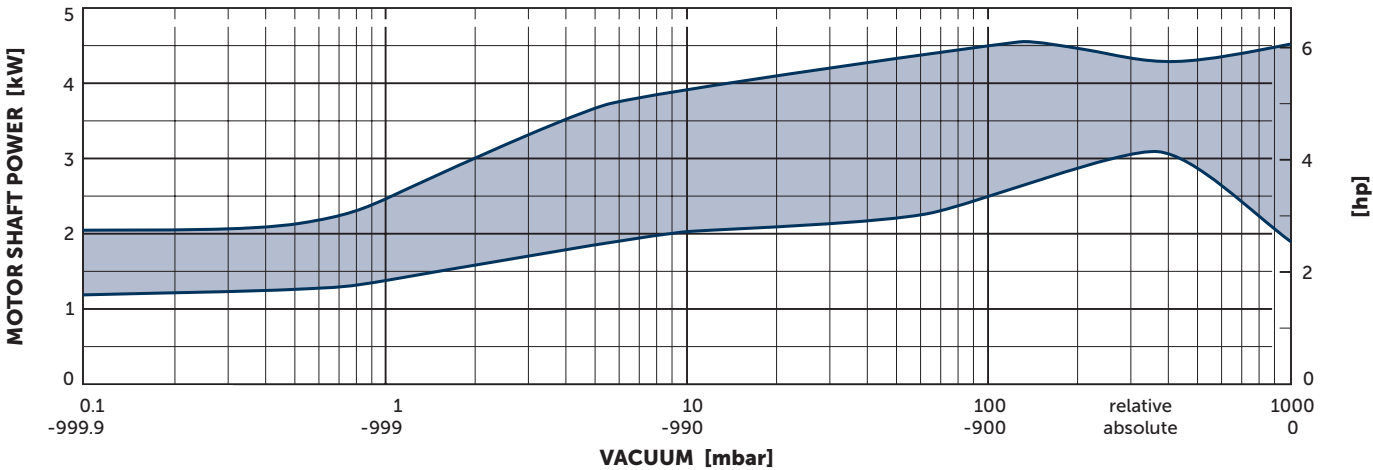
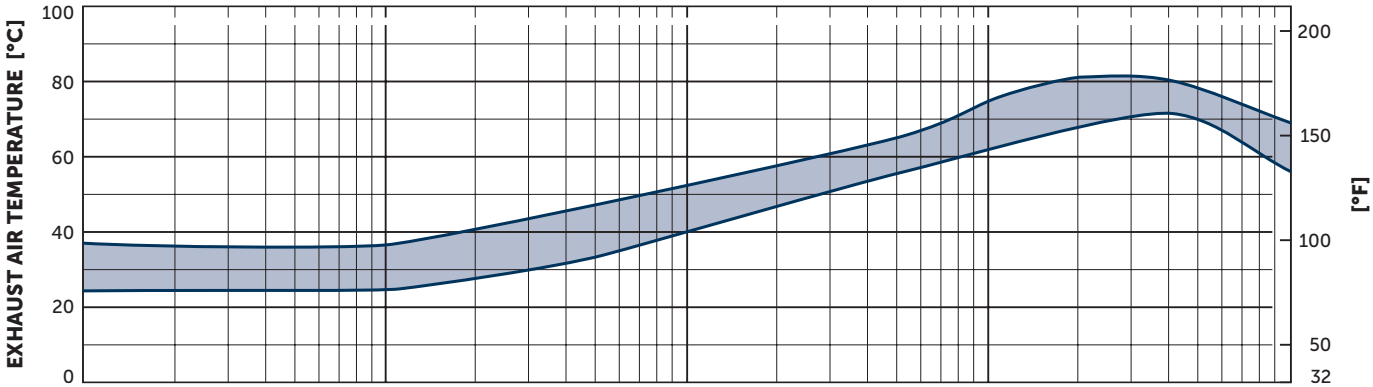
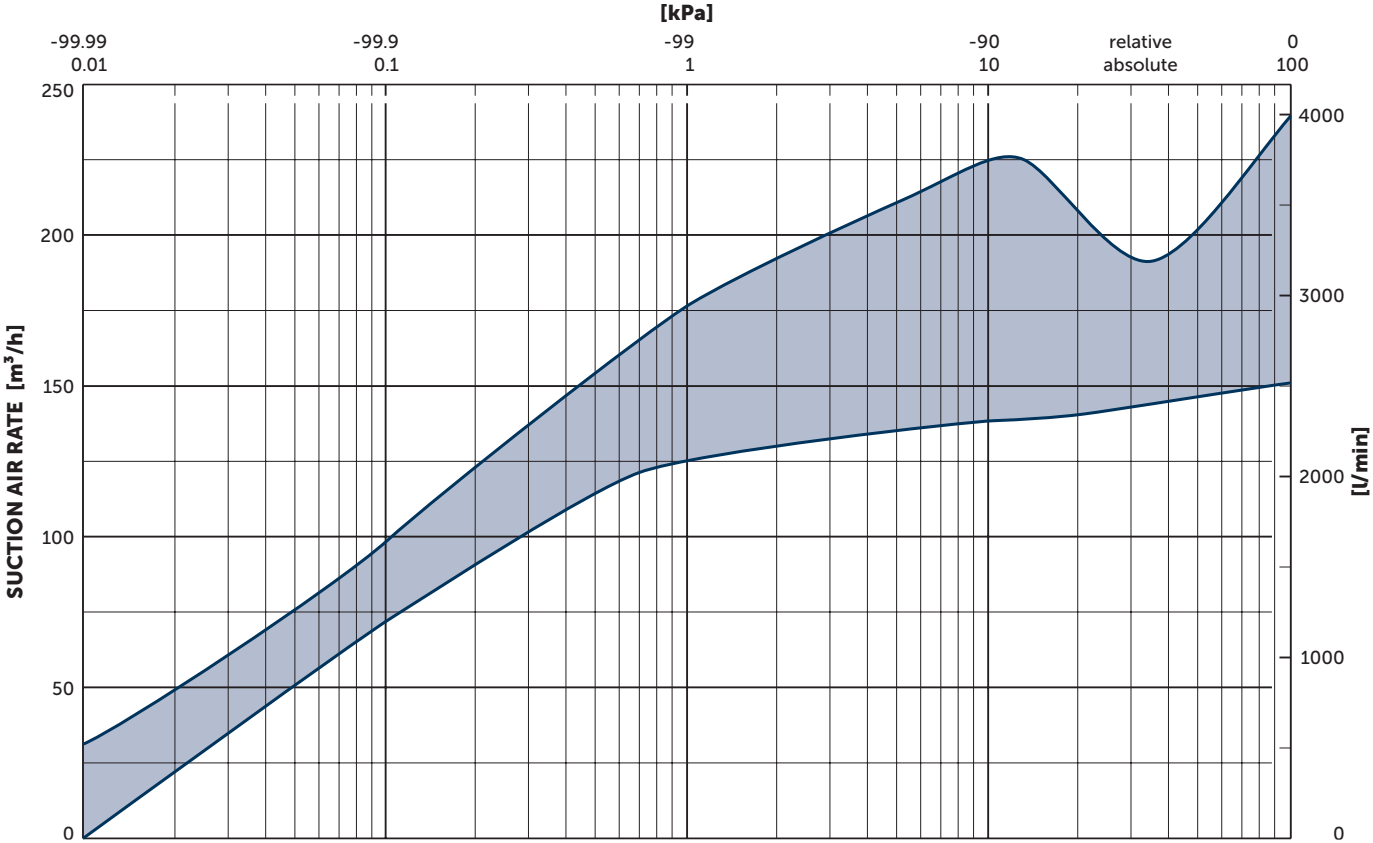


Nominal capacity	Vacuum absolute for continous operation	Frequency	Emission sound pressure level ¹⁾		Weight	Oil ²⁾		
m ³ /h max.	mbar max.	Hz	50 Hz	60 Hz	kg	l	Frequency inverter VAU4/4	A max.
240	0.1	40–65	72	74	107	5.0	4.0 kW 400–480 V ±10% 50/60 Hz	16

¹⁾ According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
 1 m [39.4 inch] distance, at medium load, both connection sides piped

²⁾ Becker Lube M100 mineral • S100 synthetic • SL100 food

▪ Gas ballast valve: vacuum 1.0 mbar absolute with opened gas ballast valve; water vapour tolerance max. 7 mbar;
 water vapour capacity max. 0.3 l/h (at 85°C operating temperature)



Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%

DATA SHEET

VARIAIR U 5.301

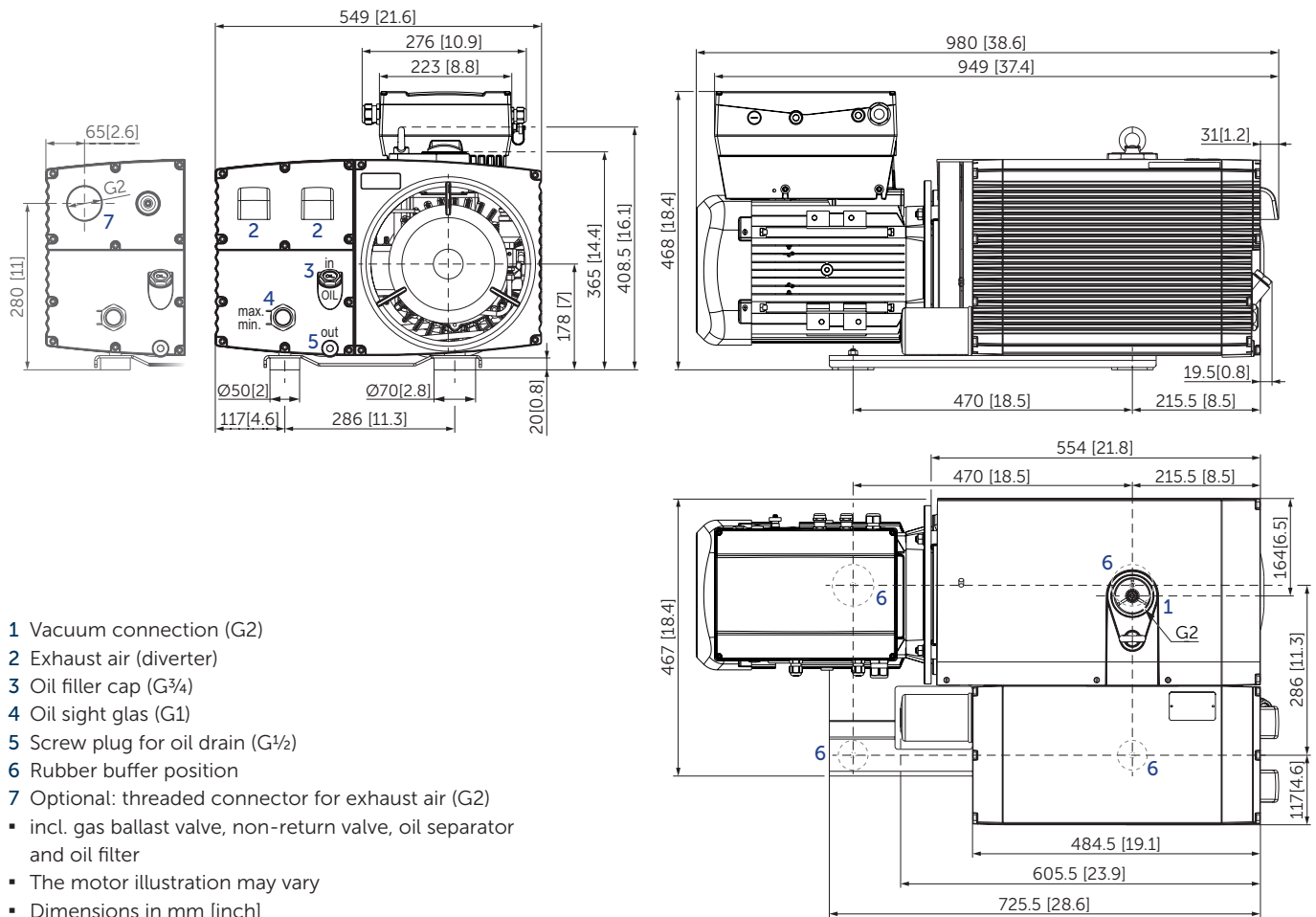
ROTARY VANE- VACUUM PUMPS

oil-lubricated and air-cooled
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figure VARIAIR U 5.101

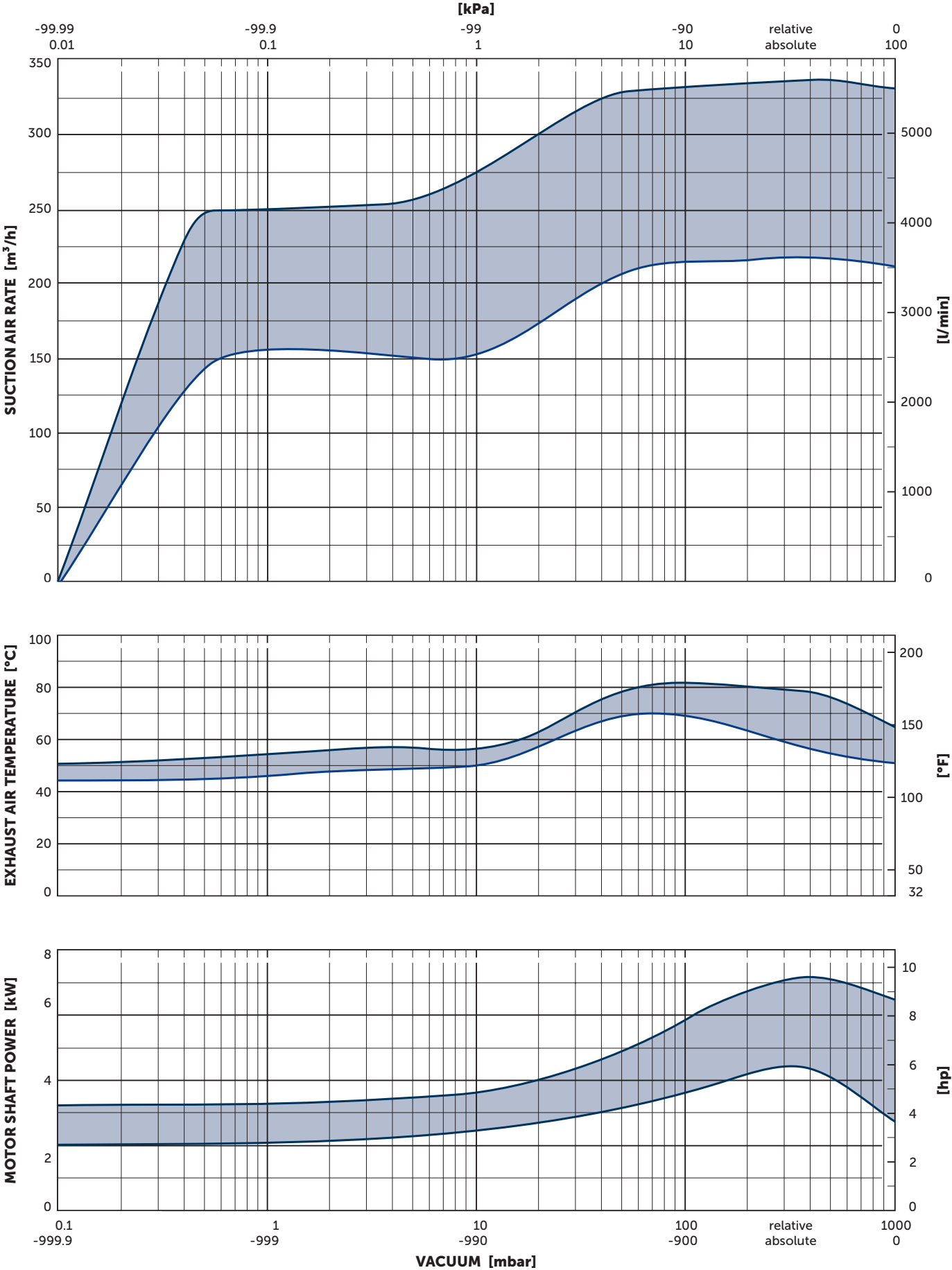


Nominal capacity	Vacuum absolute for continous operation	Frequency	Emission sound pressure level ¹⁾		Weight	Oil ²⁾		
m ³ /h max.	mbar max.	Hz	50 Hz	60 Hz	kg	l	Frequency inverter VAU7.5/3	A max.
330	0.1	40–60	73	76	≈170	6.0	7.5 kW 400–480 V ±10% 50/60 Hz	20

¹⁾ According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
 1 m [39.4 inch] distance, at medium load, both connection sides piped

²⁾ Becker Lube M100 mineral • S100 synthetic • SL100 food

▪ Gas ballast valve: vacuum 1.0 mbar absolute with opened gas ballast valve; water vapour tolerance max. 7 mbar;
 water vapour capacity max. 0.3 l/h (at 85°C operating temperature)



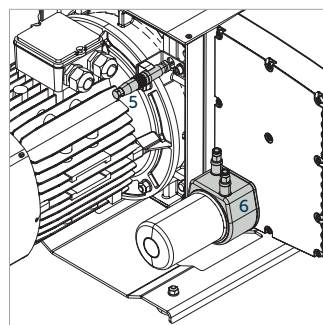
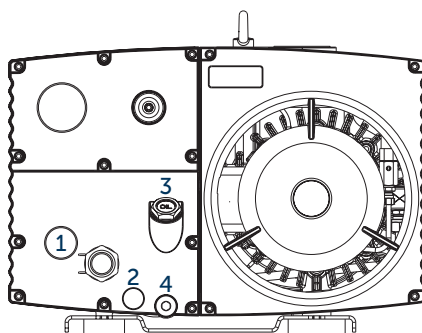
Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%

VARIANTS AND ACCESSORIES

- Optional **GAS BALLAST VALVE** for increased water vapour tolerance (3.0 mbar absolute)
water vapour tolerance: max. 70 mbar; water vapour capacity: max. 10/13 l/h 50/60 Hz (at 85°C operating temperature)
- **THREADED CONNECTOR** for exhaust air (G2)

ACCESSORIES

- External suction filter ¹⁾
- Oil: Becker Lube M100 mineral, S100 synthetic and SL100 food



- 1 Oil level switch ¹⁾ (G1)
- 2 Oil temperature monitor ¹⁾ (G $\frac{1}{2}$)
- 3 Maintenance indicator ¹⁾ (G $\frac{3}{4}$) for oil separating elements
- 4 Ball valve (G $\frac{1}{2}$), with locking and hose connector 19 mm (0.75 inch)
- 5 Temperature sensor PT100
- 6 Water cooler U5.200-0-114.2 ¹⁾ with connectors for hoses with an external diameter of 8 mm (0.32 inch)



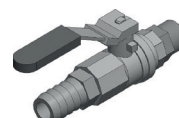
Oil level switch



Oil temperature monitor



Maintenance indicator



Ball valve

¹⁾ See separate data sheet

- Combination options on request

По вопросам продажи и поддержки обращайтесь:

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