DATA SHEET

VARIAIR U 5.301
ROTARY VANE–VACUUM PUMPS

oil-lubricated
air-cooled

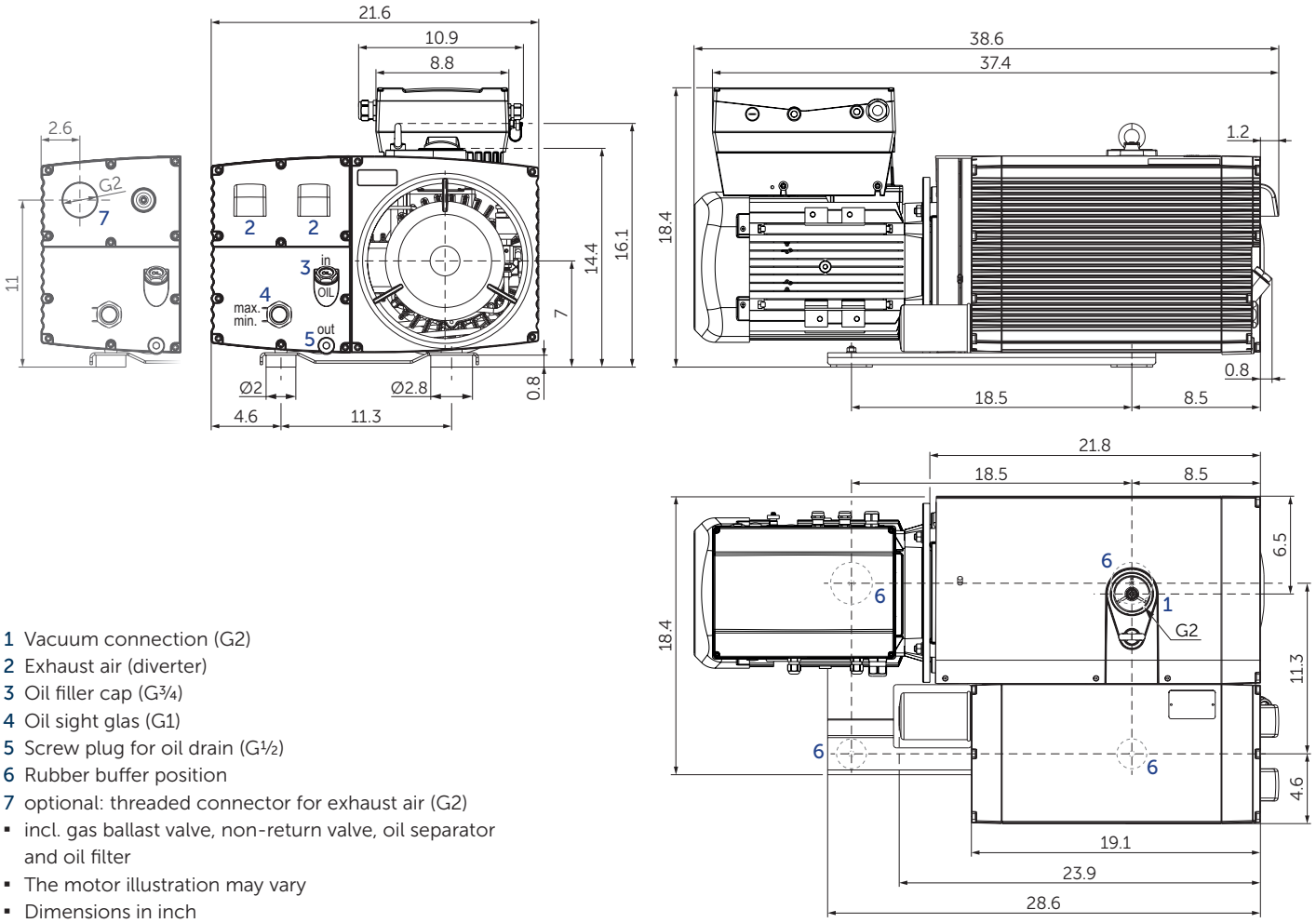
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figure VARIAIR U 5.101

VARIAIR UNIT

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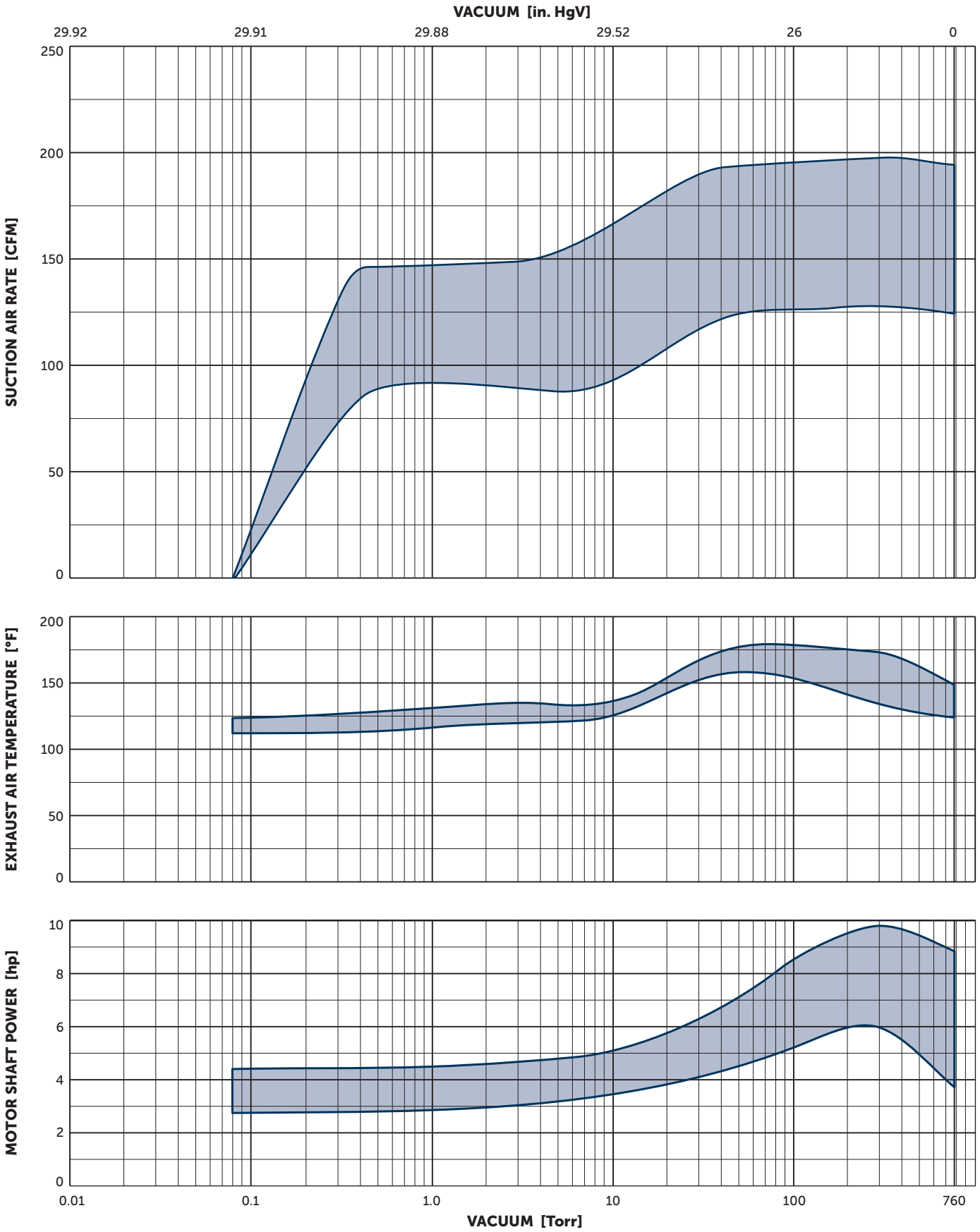
1 Vacuum connection (G2)
2 Exhaust air (diverter)
3 Oil filler cap (G¾)
4 Oil sight glas (G1)
5 Screw plug for oil drain (G½)
6 Rubber buffer position
7 optional: threaded connector for exhaust air (G2)

- incl. gas ballast valve, non-return valve, oil separator and oil filter
- The motor illustration may vary
- Dimensions in inch

Nominal capacity	Vacuum absolute for continous operation	Frequency	Emission sound pressure level [1]		Weight	Oil [2]	M 3~ U V W 3~ L1 L2 L3	
CFM	Torr	Hz	dB(A)		lbs	U.S. gal.	Frequency inverter	A
max.	max.		50 Hz	60 Hz			VAU7.5/3	max.
194	0.075	40–60	73	76	≈374.9	1.59	10.1 hp 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
39.4 inch distance, at medium load, both connection sides piped
[2] Becker Lube: Synthetic Oil • Premium Synthetic Oil (PAO) • Food Grade Vacuum Pump Oil

- Gas ballast valve: vacuum 0.75 Torr absolute with opened gas ballast valve; water vapour tolerance max. 30 Torr; water vapour capacity max. 1.32/1.48 U.S.gal./h 50/60 Hz (at 185°F operating temperature)



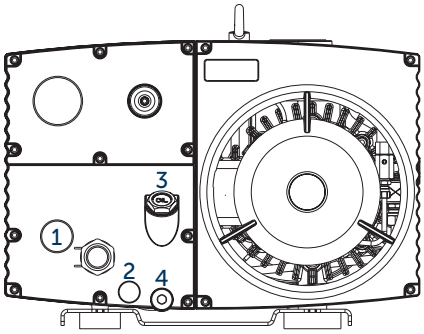
Suction air rate refers to the intake pressure
Reference data (atmosphere): 0 In. HgV / 760 Torr, 68°F; Tolerance: ±10%

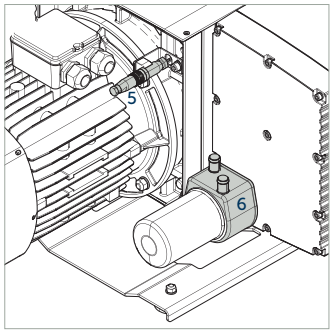
VARIANTS AND ACCESSORIES

- Optional **GAS BALLAST VALVE** for increased water vapour tolerance (2.25 Torr)
  water vapour tolerance: max. 52.5 Torr; water vapour capacity: max. 2.64/3.43 U.S.gal./h 50/60 Hz (at 185°C operating temperature)
- **THREADED CONNECTOR** for exhaust air (G2)

ACCESSORIES

- External **suction filter** [1)]
- **Oil:** Becker Lube Synthetic Oil,Premium Synthetic Oil (PAO) and Food Grade Vacuum Pump Oil



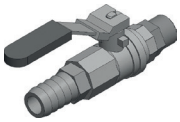


1 **Oil level switch** [1)] (G1)
2 **Oil temperature monitor** [1)] (G½)
3 **Maintenance indicator** [1)] (G¾) for oil separating elements
4 **Ball valve** (G½), with locking and hose connector 19 mm [0.75 inch]
5 **Temperature sensor PT100**
6 **Water cooler U5.200-0-114.2** [1)]


Oil level switch


Oil temperature monitor


Maintenance indicator


Ball valve

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

Right of modification reserved 2021-09-30

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