DATA SHEET

U 5.201

ROTARY VANE VACUUM PUMPS

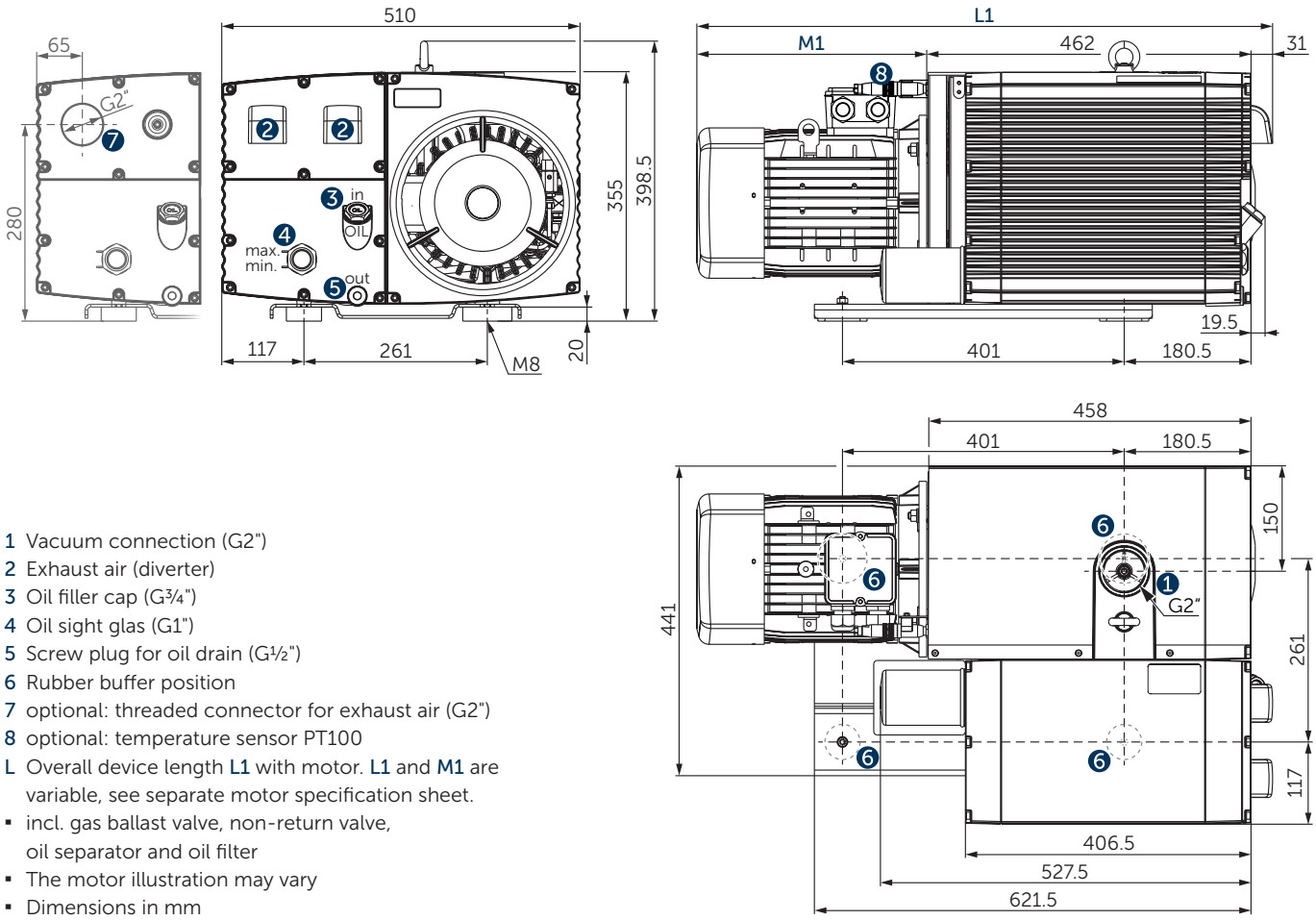
oil-lubricated
air-cooled

MAKE IT BECKER.



1. The optimised airflow maximises efficiency while requiring minimal installation space.
2. Two-stage oil separation effectively purifies the air and prevents contamination of the extracted air.
3. The sophisticated design directs the fan flow in a targeted manner, ensuring efficient temperature management and optimum cooling.

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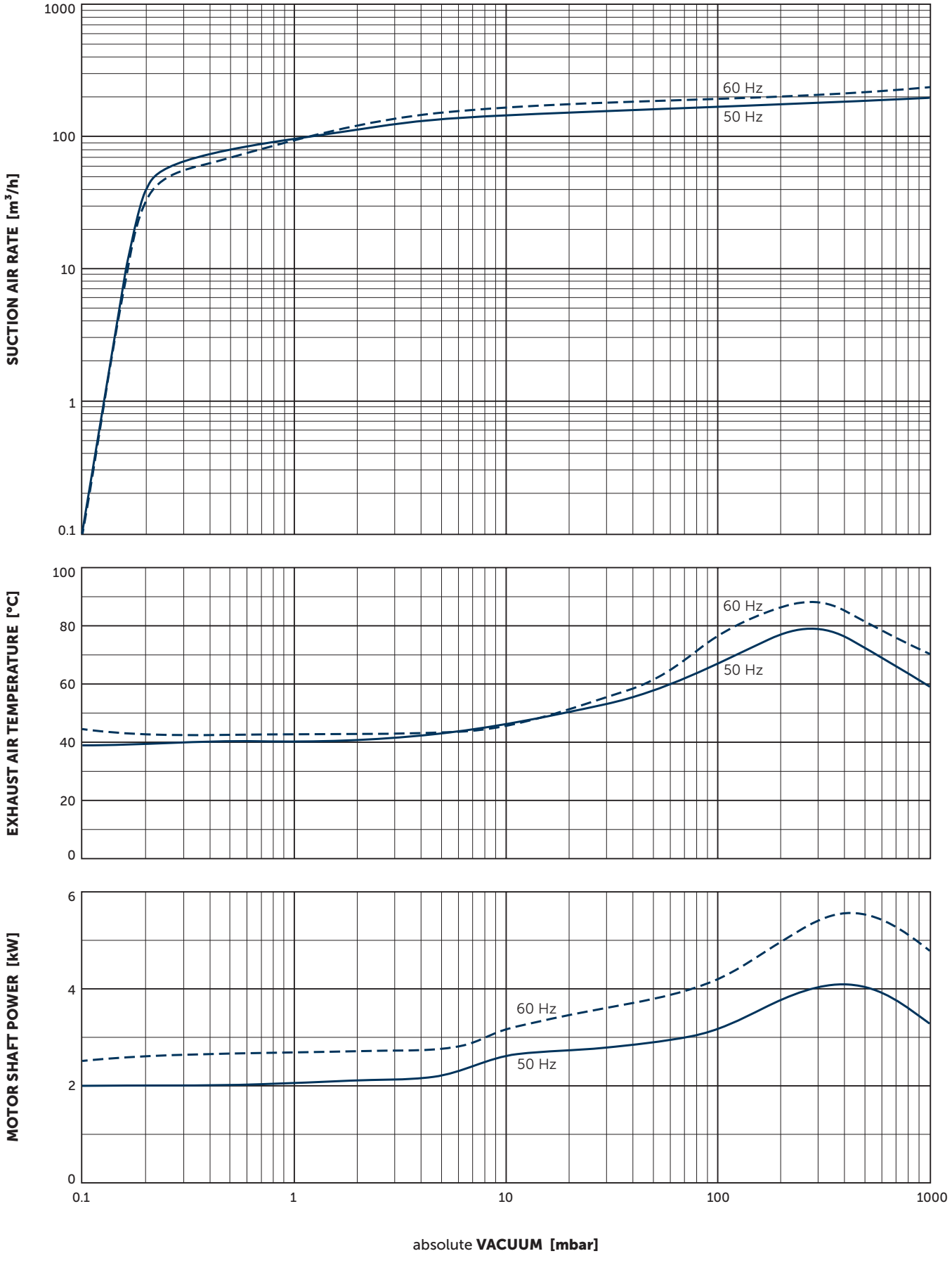
1 Vacuum connection (G2")
2 Exhaust air (diverter)
3 Oil filler cap (G¾")
4 Oil sight glas (G1")
5 Screw plug for oil drain (G½")
6 Rubber buffer position
7 optional: threaded connector for exhaust air (G2")
8 optional: temperature sensor PT100
L Overall device length L1 with motor. L1 and M1 are variable, see separate motor specification sheet.

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

Nominal capacity		Vacuum absolute for continous operation		Installed motor power		Emission sound pressure level[1]		Weight w/o motor	Oil
m^3/h		mbar		kW		dB(A)		kg	l
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
200	240	<0.1–100	<0.1–100	4.0	4.5/4.8	72	74	68	5
200	240	<0.1–400	<0.1–400	5.5	6.6	72	74	68	5

[1] 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

- 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)
- Reference data (atmosphere): 1000 mbar, 20°C; Tolerance: ±10%



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

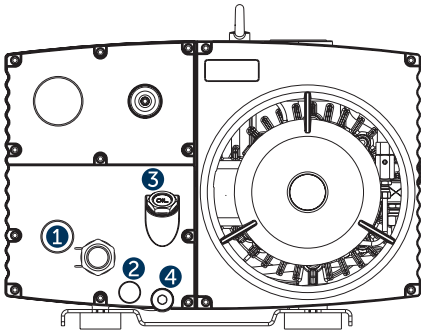
VARIANTS AND ACCESSORIES

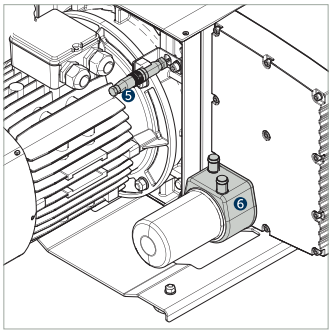
- **VARIAR U 5.201** [1] with VARIAIR frequency inverter
- **U 5.201 O2-PACK** [1] for packaging with an overconcentration of oxygen

ACCESSORIES

- External **suction filter** [1]
- Oil:
  - Becker Lube M100 mineral
  - S100 synthetic
  - SL100 food (food packaging applications)
  - SM100 food (food processing applications)

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
5 **Temperature sensor PT100**
6 **Water cooler U5.200-0-114.2** [1]

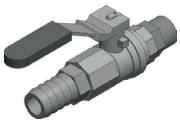





Oil level switch


Oil temperature monitor


Maintenance indicator


Ball valve

U 5.201 versions	Gas ballast valve		Threaded connector for exhaust air	Prepared for additional accessories (e.g. oil level switch; see above)
	Standard	for increased water vapour tolerance		
U 5.201/0-00	✓ 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)			
U 5.201/0-01			✓ (G2")	
U 5.201/0-02				✓
U 5.201/0-03			✓ (G2")	✓
U 5.201/0-04		✓ vacuum 3.0 mbar absolute with opened gas ballast valve; water vapour tolerance max. 50 mbar; water vapour capacity max. 2 l/h (at 85°C operating temperature)		
U 5.201/0-05			✓ (G2")	
U 5.201/0-06				✓
U 5.201/0-07			✓ (G2")	✓

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

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MOTOR
SPECIFICATIONS

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