

DATA SHEET

U 5.201

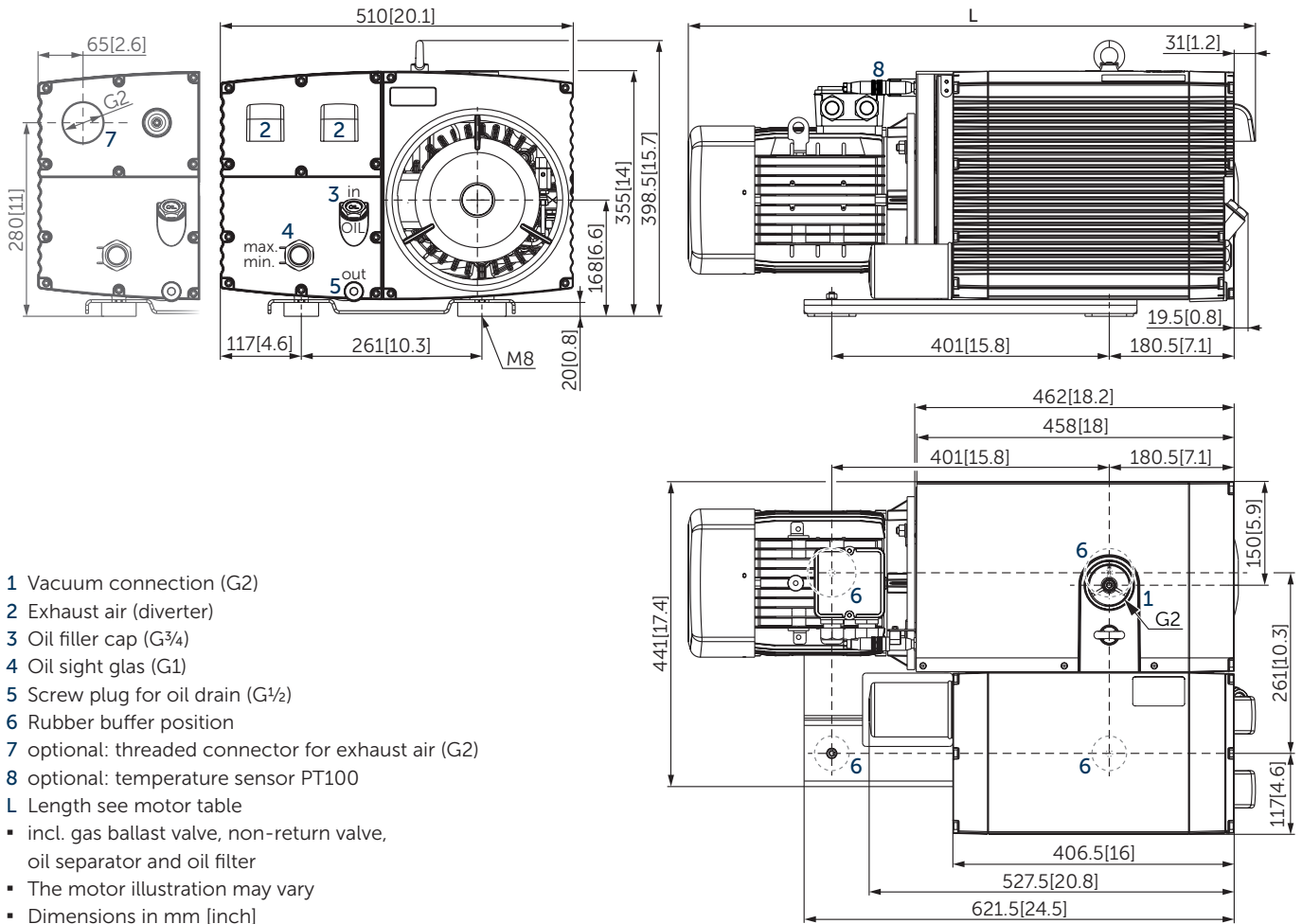
ROTARY VANE- VACUUM PUMPS

oil-lubricated

air-cooled

MAKE IT BECKER.





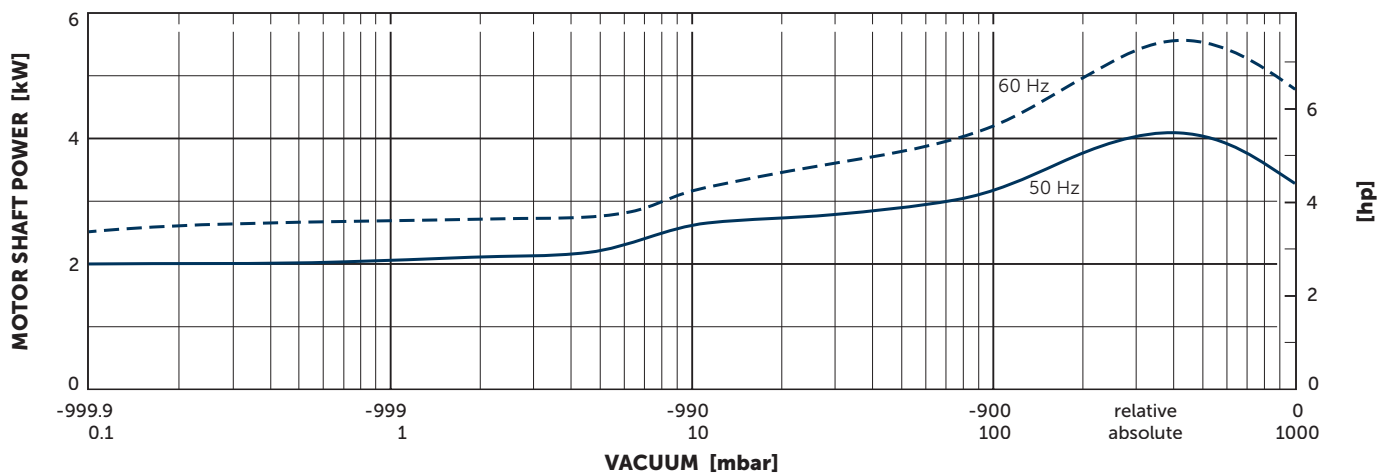
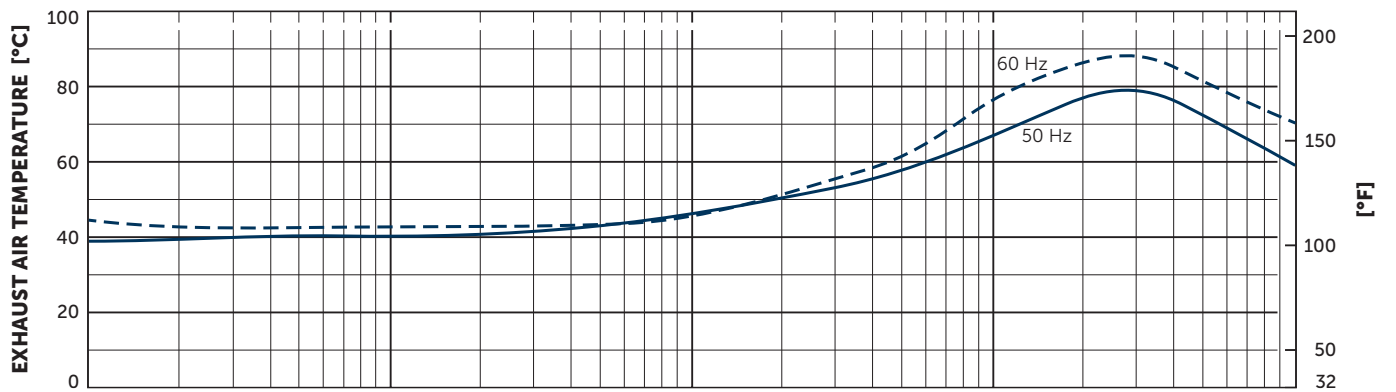
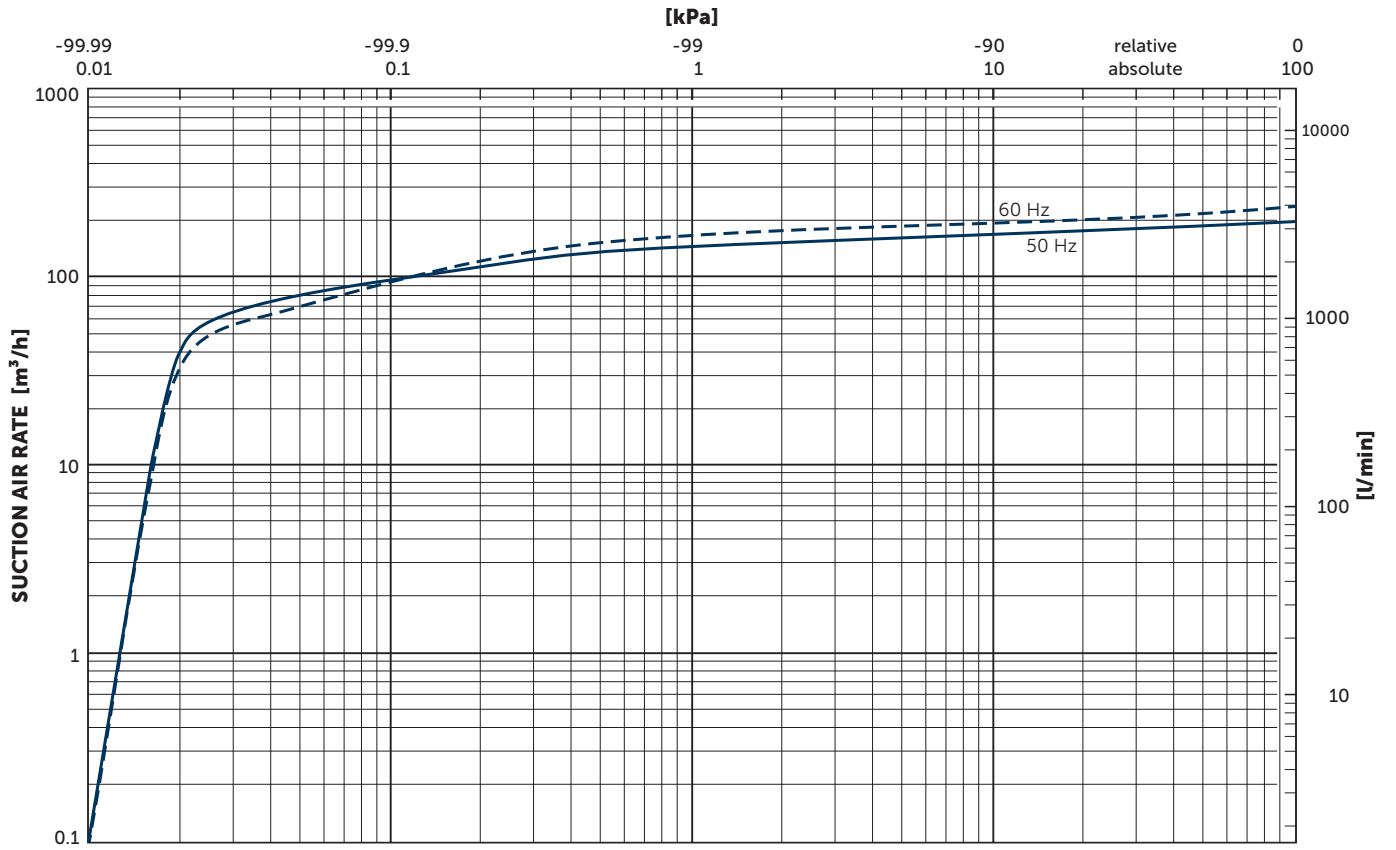
- 1 Vacuum connection (G2)
- 2 Exhaust air (diverter)
- 3 Oil filler cap (G^{3/4})
- 4 Oil sight glas (G1)
- 5 Screw plug for oil drain (G^{1/2})
- 6 Rubber buffer position
- 7 optional: threaded connector for exhaust air (G2)
- 8 optional: temperature sensor PT100
- L Length see motor table
 - incl. 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		Motors		Emission sound pressure level ¹⁾		Weight w/o motor	Oil ²⁾
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 [39.4 inch] distance, at medium load, both connection sides piped
²⁾ Becker Lube M100 mineral • S100 synthetic • SL100 food packaging applications • SM100 food processing applications
 ▪ 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)

3~ Motors												L	
#	50 Hz					60 Hz					Version	Weight kg	mm [inch]
	kW	V	IE3	min ⁻¹	A	kW	V	IE3	min ⁻¹	A			
01	4.0	Δ230/Y400	IE3	1465	15.6/9.0	4.8	Δ265/Y460	IE3	1760	15.2/8.8	UL (E365362) • CSA IP 55 • ISO F • bimetal	40.0	854 [33.6]
							Δ230/Y400		1747	15.9/9.2			
02	4.0	YY200/Y400	IE3	1465	18.0/9.0	4.5	YY230/Y460	IE3	1759	18.4/9.2	UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal	40.0	854 [33.6]
							YY208		IE3	1753			
03	4.0	Δ200/Y350	IE3	1467	20.3/11.7	4.5	Δ200/Y380–400	IE3	1760	18.5/10.7–10.2	UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal	40.0	854 [33.6]
							Δ200/Y350		1753	19.0/11.0			
04						4.5	Δ400/Y690	IE3	1763	9.8/5.65	UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal	40.0	854 [33.6]
05	5.5	Δ230/Y400	IE3	1468	20.7/12.0	6.6	Δ265/Y460	IE3	1762	20.6/11.9	IP 55 • ISO F • bimetal	53.0	885 [34.9]
							Δ230/Y400		1750	21.6/12.5			
06	5.5	Δ400	IE3	1468	12.3	6.6	Δ460	IE3	1764	12.0	IP 55 • ISO F • bimetal	53.0	885 [34.9]
							Δ400		1751	12.4			
07						6.6	YY230/Y460	IE3	1770	23.9/12.0	UL (E365362) • CSA CC3348 IP 55 • ISO F • bimetal	63.5	923 [36.4]
							YY208		1760	24.2			
08	5.5	Δ200/Y350	IE3	1474	27.4/15.8	6.6	Δ200/Y380–400	IE3	1769	25.1/14.5–13.8	UL (E365362) • CSA IP 55 • ISO F • bimetal	63.5	923 [36.4]
							Δ200/Y350		1761	25.4/14.65			

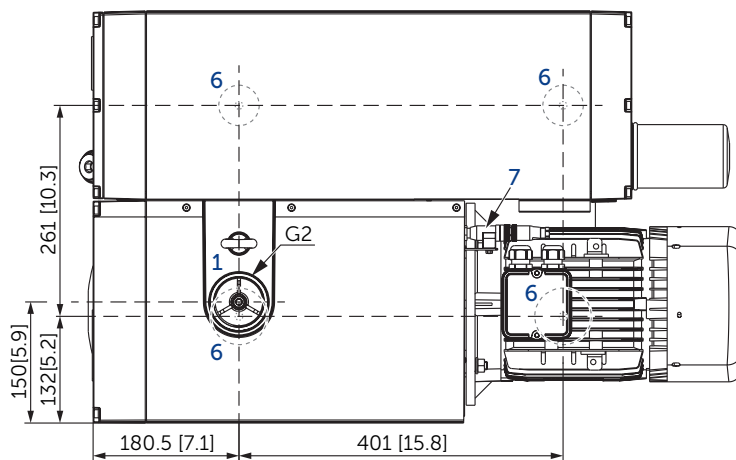
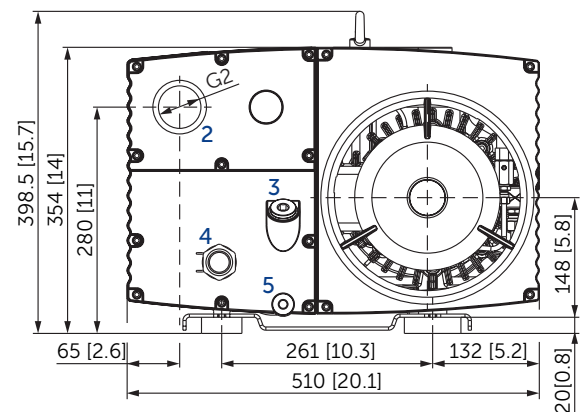
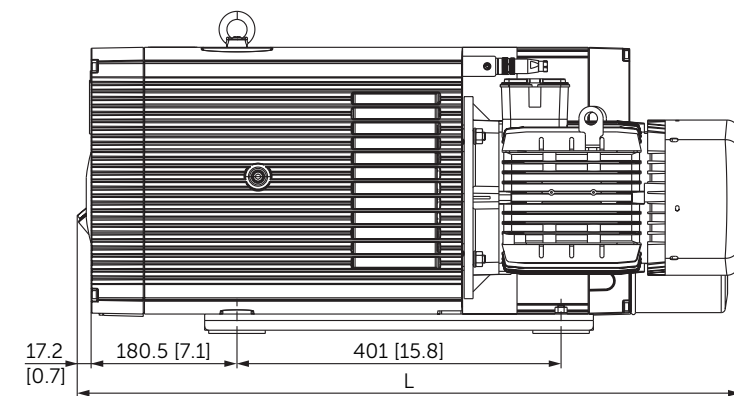
• Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.



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. 50 mbar; water vapour capacity: max. 2.0 l/h (at 85°C operating temperature)
- **THREADED CONNECTOR** for exhaust air (G2)
- **VARIAR U 5.201**¹⁾ with VARIAIR frequency inverter
- **U 5.201 O2-PACK**¹⁾ for packaging with an overconcentration of oxygen
- **U 5.201/0-62XL** with enlarged oil tank and high efficient triple stage oil separation,
weight without motor: 78 kg, oil quantity: 10 l, further technical data, motors and characteristic curves like standard pump



U 5.201/0-62 XL

- 1 Vacuum connection (G2)
 - 2 Exhaust air connection (G2)
 - 3 Oil filler cap (G³/₄)
 - 4 Oil sight glass (G1)
 - 5 Screw plug for oil drain (G¹/₂)
 - 6 Rubber buffer position
 - 7 Optional temperature sensor PT100
- L Length see motor table
- incl. gas ballast valve, non-return valve, oil separator and oil filter
 - The motor illustration may vary
 - Dimensions in mm [inch]

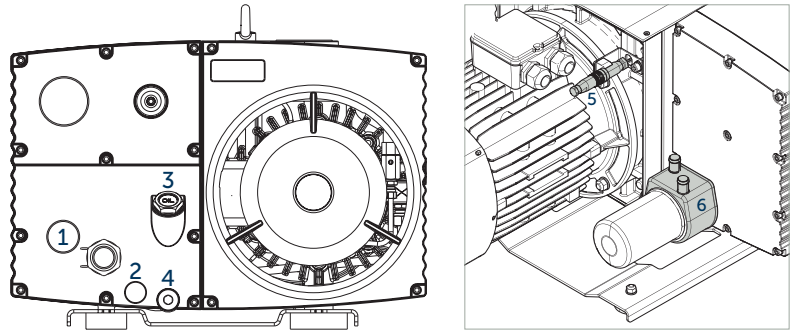
¹⁾ See separate data sheet

- Combination options on request

ACCESSORIES

- External suction filter¹⁾
- Oil:
 - Becker Lube M100 mineral
 - S100 synthetic
 - SL100 food packaging applications
 - SM100 food processing applications

- 1 Oil level switch¹⁾ (G1)
- 2 Oil temperature monitor¹⁾ (G $\frac{1}{2}$)
- 3 Maintenance indicator¹⁾ (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 U5.200-0-114.2¹⁾



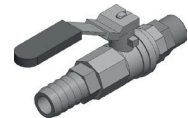
Oil level switch



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	✓			
U 5.201/0-01	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)		✓ (G2)	
U 5.201/0-02				✓
U 5.201/0-03			✓ (G2)	✓
U 5.201/0-04	✓			
U 5.201/0-05	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)		✓ (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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