

DATA SHEET

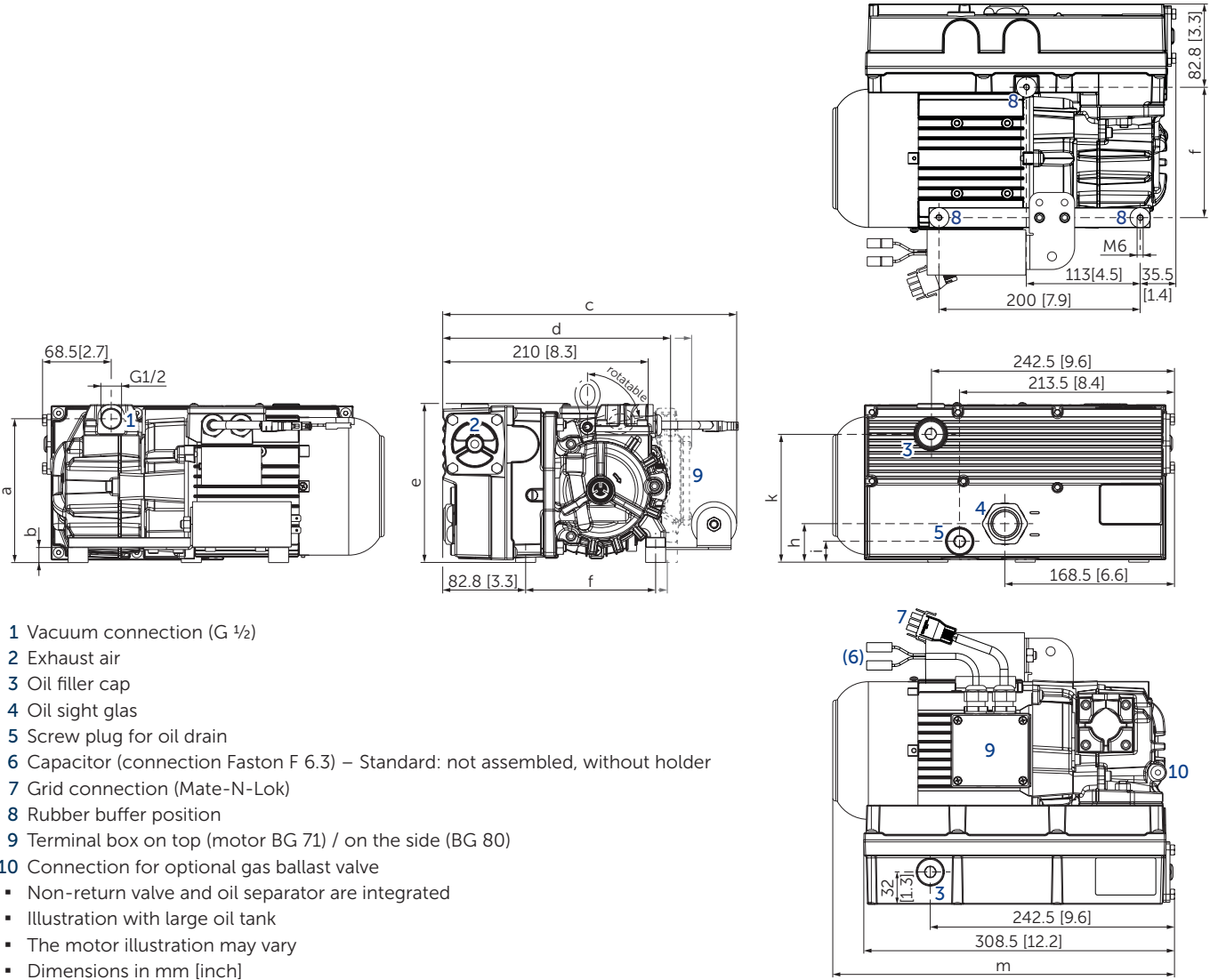
O 5.21

ROTARY VANE VACUUM PUMPS

oil-lubricated
air-cooled

MAKE IT BECKER.





Motor	a	b	c	d	e	f	h	i	k	m
BG 71	143.6[5.7]	15[0.6]	267[10.5]	225.2[8.9]	158.0[6.2]	129.7[5.1]	38.1[1.5]	20.6[0.8]	127.6[5.0]	340.0[13.4]
BG 80	148.6[5.9]	20[0.8]	295[11.6]	247.1[9.7]	162.6[6.4]	140.2[5.5]	43.1[1.7]	25.6[1.0]	132.6[5.2]	353.5[13.9]

Nominal capacity		Vacuum absolute		Emission sound pressure level ¹⁾		Weight incl. motor	Oil	
m ³ /h		mbar		dB(A)		kg	l	Becker Lube ²⁾
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz			
23.5	27.0	2	2	64	69	≈20.0/21.5 ³⁾	0.5/0.3 ³⁾	M 68 / M 32 (mineral) S 68 / S 32 (synthetic) SL 68 / SL 32 (food)

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, vacuum connection piped, exhaust side open

²⁾ See operating instructions

³⁾ Large/small oil tank

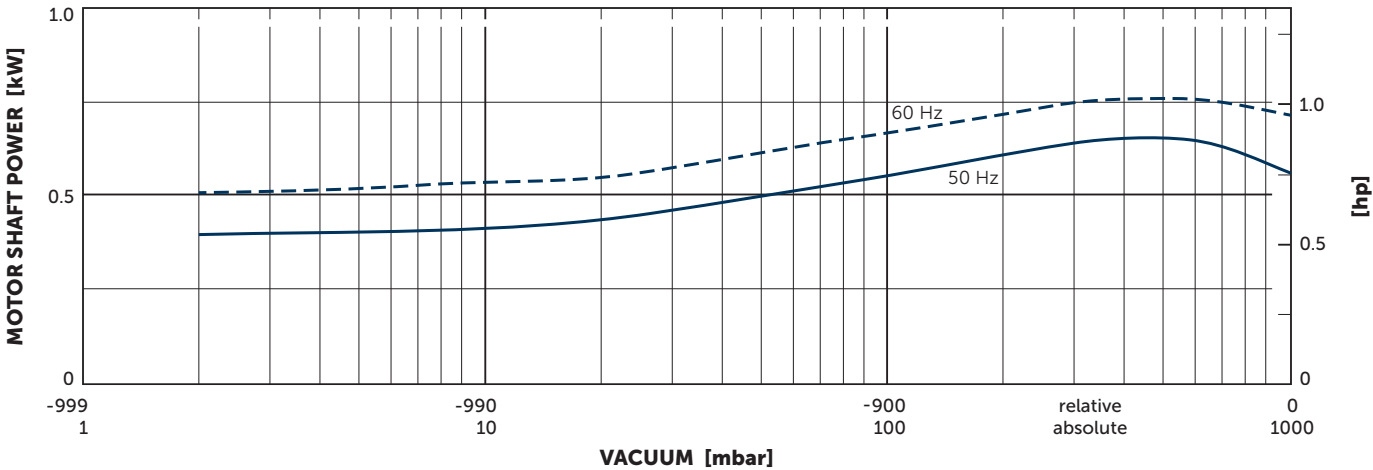
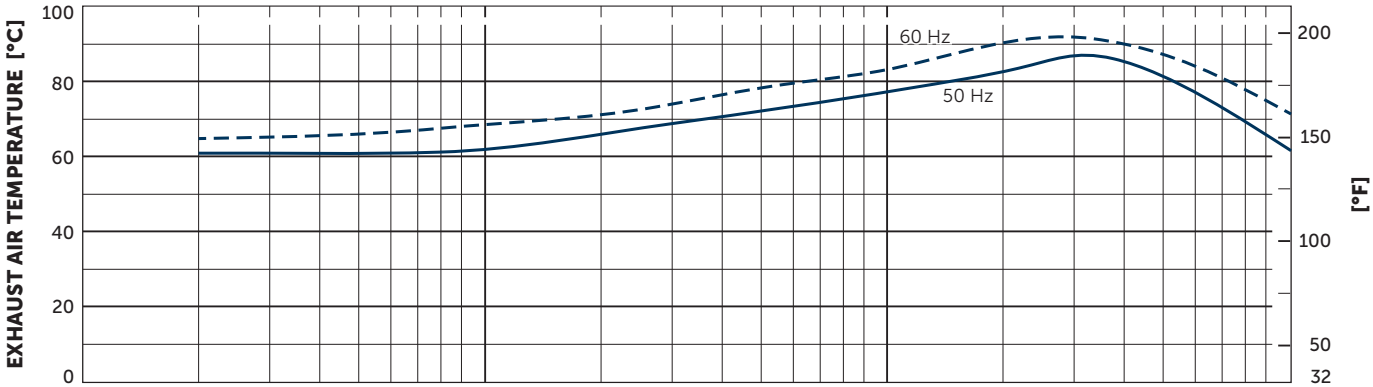
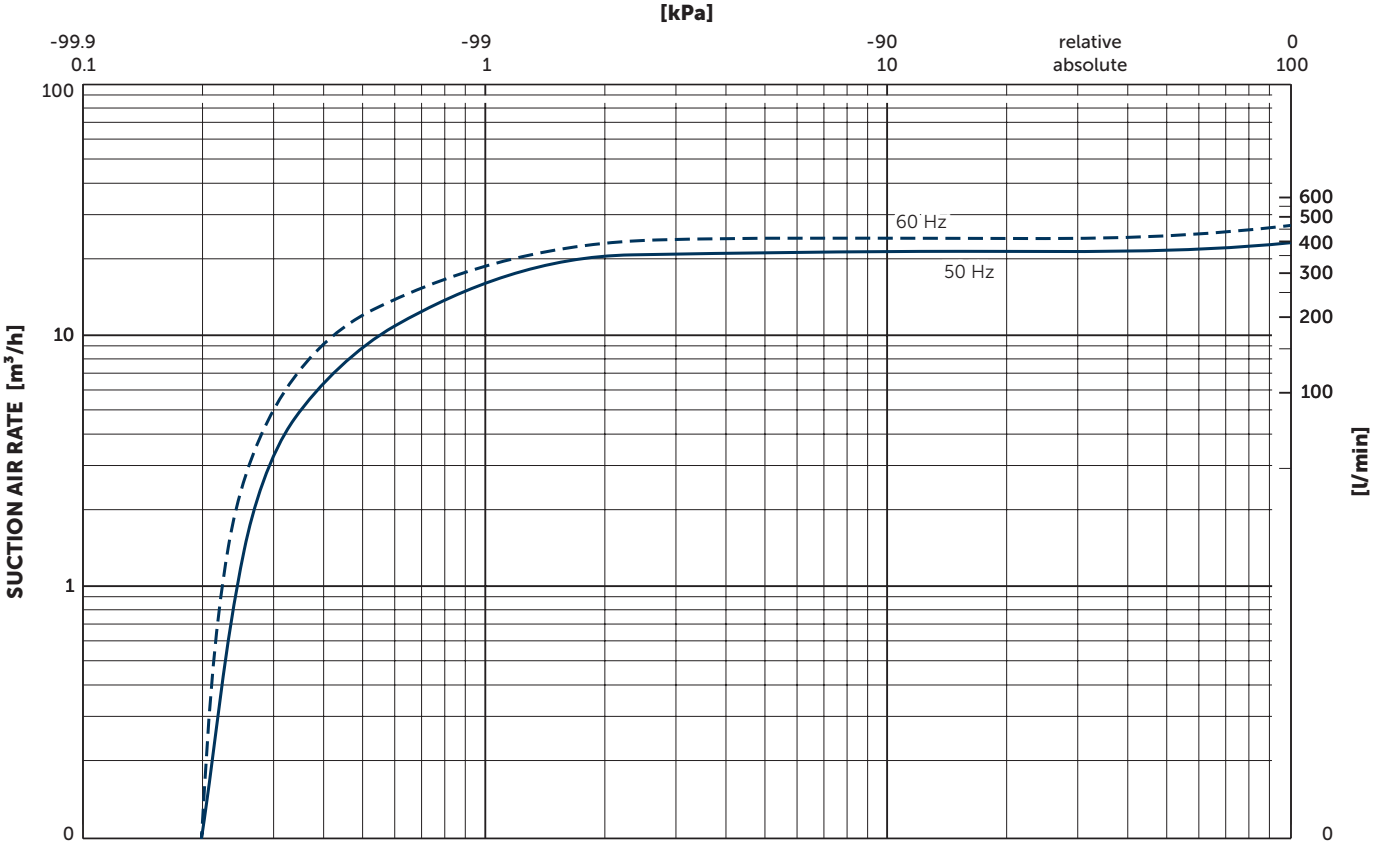
1~ Motors										
#	50 Hz				60 Hz				Version	Weight
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A		kg
01	0.75	220–240	2790–2820	4.9			–		IP 55 • ISO F • bimetal capacitor 30 µF (450V) motor size BG 71 ¹⁾	12.0
02	0.75	220–240	2830–2860	5.2–5.5	0.9	220–240	3340–3400	6.0–5.5	IP 55 • ISO F • bimetal capacitor 30 µF (450V) motor size BG 80 ²⁾	12.8
03	0.75	100–110	2800–2840	11.3–11.7	0.9	100–120	3250–3400	13.4–11.6	IP 55 • ISO F • bimetal capacitor 100 µF (330V) motor size BG 80 ²⁾	13.2

3~ Motors										
#	50 Hz				60 Hz				Version	Weight
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A		kg
04	0.75	Δ230/Y400	2860	3.1/1.8	0.9	Δ265/Y460 Δ230/Y400	3440 3380	3.1/1.8 3.3/1.9	IP55 • ISO F • bimetal	10.6

¹⁾ BG 71: terminal box on top

²⁾ BG 80: terminal box on the side

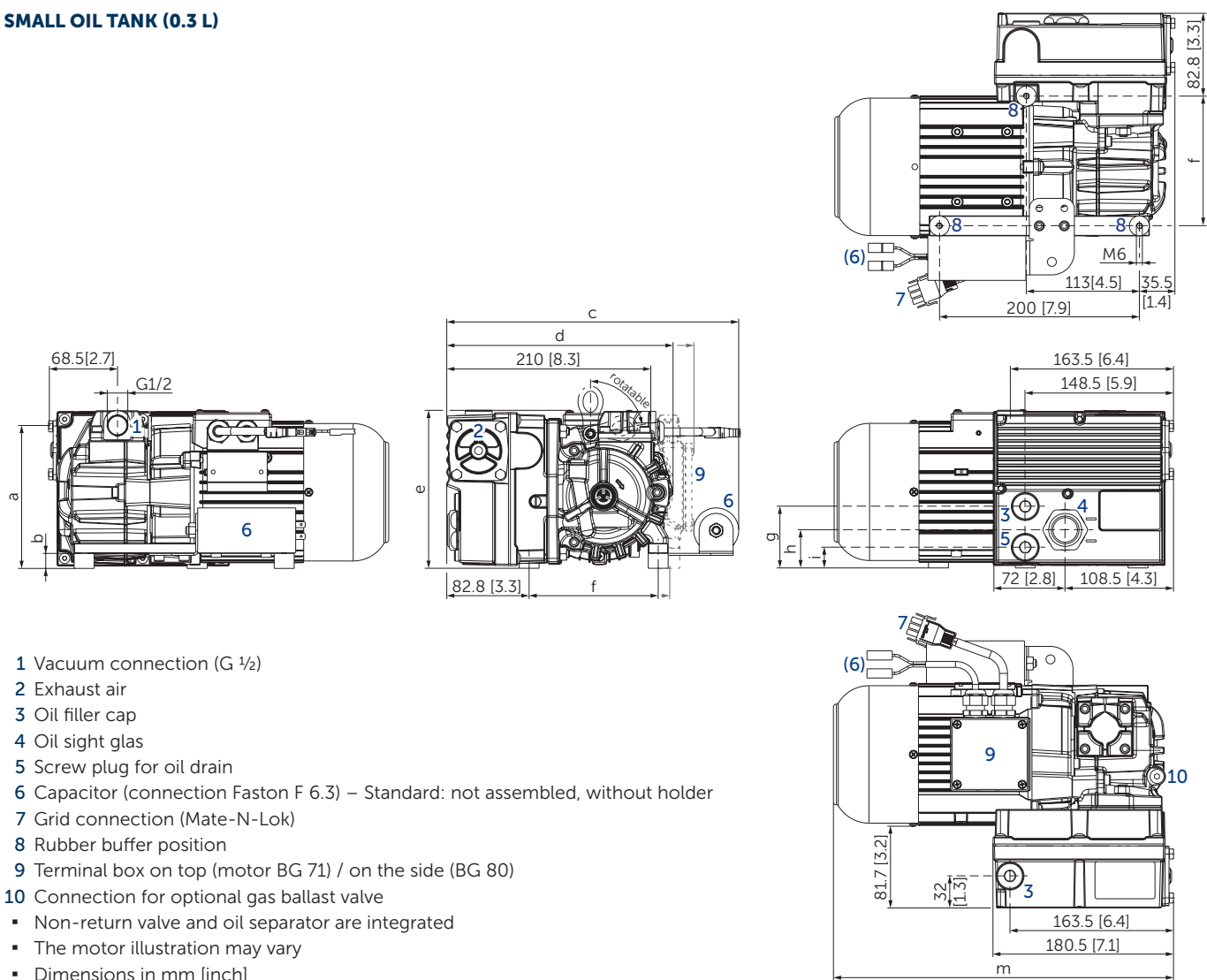
▪ Current consumption and rotation speed may vary. Tolerance in each case -1.5/+2%



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

+ VARIANTS AND ACCESSORIES

SMALL OIL TANK (0.3 L)



- 1 Vacuum connection (G ½)
- 2 Exhaust air
- 3 Oil filler cap
- 4 Oil sight glass
- 5 Screw plug for oil drain
- 6 Capacitor (connection Faston F 6.3) – Standard: not assembled, without holder
- 7 Grid connection (Mate-N-Lok)
- 8 Rubber buffer position
- 9 Terminal box on top (motor BG 71) / on the side (BG 80)
- 10 Connection for optional gas ballast valve
 - Non-return valve and oil separator are integrated
 - The motor illustration may vary
 - Dimensions in mm [inch]

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BG 71	143.6[5.7]	15[0.6]	267[10.5]	225.2[8.9]	158.0[6.2]	129.7[5.1]	61.6[2.4]	38.1[1.5]	20.6[0.8]	340.0[13.4]
BG 80	148.6[5.9]	20[0.8]	295[11.6]	247.1[9.7]	162.6[6.4]	140.2[5.5]	66.6[2.6]	43.1[1.7]	25.6[1.0]	353.5[13.9]

GAS BALLAST VALVE

- Version for small amounts of moisture, vacuum <3 mbar
- Version for higher amounts of moisture, vacuum <20 mbar

HOLDER FOR THE CAPACITOR

- O5.21-73 (Nº 01460064300) – see drawings

BECKER LUBE¹⁾

- **M 68** mineral
- **S 68** synthetic
- **SL 68** food
- **M 32** mineral
- **S 32** synthetic
- **SL 32** food

¹⁾ See operating instructions



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