DATA SHEET

O 5.10 (XL)
ROTARY VANE VACUUM PUMPS

oil-lubricated
air-cooled

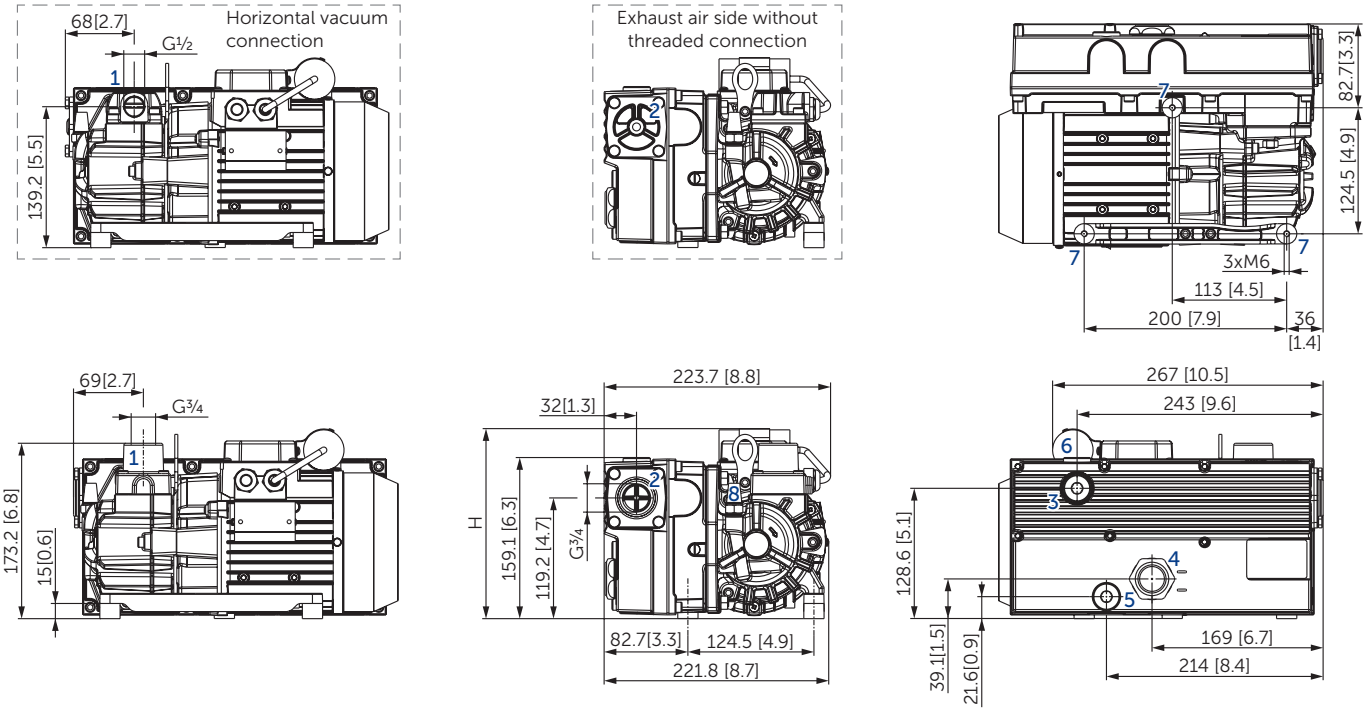
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BECKER

O 5.10 XL WITH 0.5 L TANK

- Including motors without Mate-N-Lok power connection



1 Vacuum connection vertical (G¾) or horizontal (G½)
2 Exhaust air side with or without threaded connection (G¾)
3 Oil filler cap
4 Oil sight glas
5 Screw plug for oil drain
6 Capacitor for 1~ motors
7 Rubber buffer position
8 Optional gas ballast valve

- Non-return valve and oil separator are integrated
- The motor illustration may vary
- Dimensions in mm [inch]

	Nominal capacity		Vacuum absolute		Emission sound pressure level[1)]		Weight incl. motor	Oil (Oil tank)
	m^3/h		mbar		dB(A)		kg	l
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
O 5.10 XL	10.5	12.5	2	2	58.5	64	≈18.5	0.5
O 5.10	10.5	12.5	2	2	58.5	64	≈17.0	0.3

[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

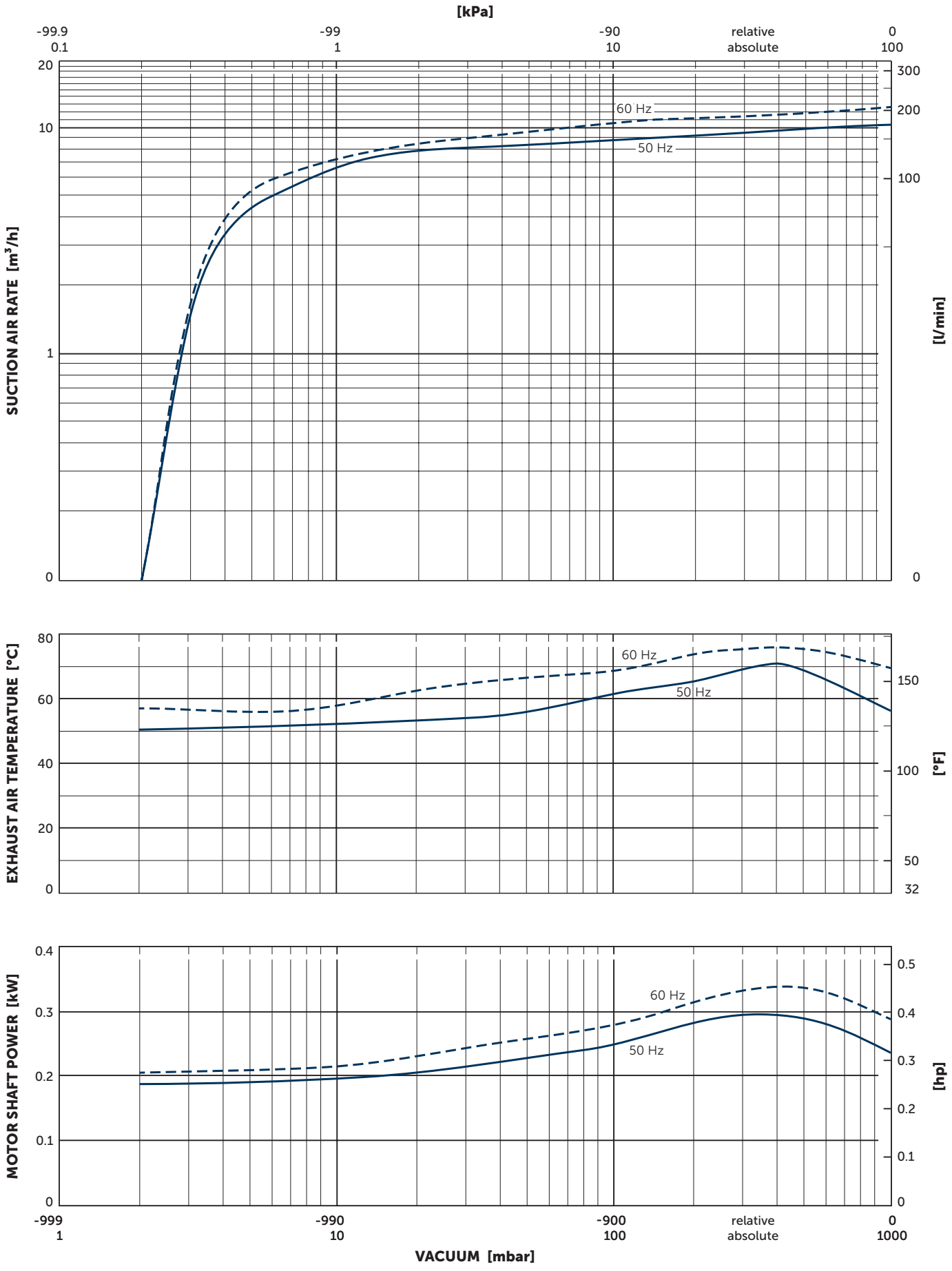
1~ Motors											H	L
#	50 Hz				60 Hz				Version	Weight	mm	
	kW	V	min^{-1}	A	kW	V	min^{-1}	A		kg	[inch]	
01	0.37	220–240	2790–2820	2.5	0.45	220–240	3270–3340	3.2	IP 55 • ISO F • bimetal	9.4	187.7 [7.4]	320.5 [12.6]
02	0.55	100–110	2770–2810	9.0–8.9	0.66	100–120	3240–3370	10.4–9.3	UL • CSA IP 55 • ISO F • bimetal	10.8	187.7 [7.4]	320.5 [12.6]

1~ Motors with Mate-N-Lok power connection											H	L
#	50 Hz				60 Hz				Version	Weight	mm	
	kW	V	min^{-1}	A	kW	V	min^{-1}	A		kg	[inch]	
03	0.37	220–240	2700–2790	2.7–2.6					IP 55 • ISO F • bimetal Mate-N-Lok	8.2	158 [6.2]	291 [11.5]
04	0.37	220–240	2790–2820	2.5	0.45	220–240	3270–3340	3.2	IP 55 • ISO F • bimetal Mate-N-Lok	9.4	158 [6.2]	320.5 [12.6]

3~ Motoren											H	L
#	50 Hz				60 Hz				Version	Weight	mm	
	kW	V	min^{-1}	A	kW	V	min^{-1}	A		kg	[inch]	
05	0.37	Δ230/Y400	2860	1.7/1.0	0.45	Δ265/Y460 Δ230/Y400	3440 3370	1.7/1.0 1.9/1.1	IE2 [1)] IP55 • ISO F • bimetal	7.7	177 [7]	291.5 [11.5]
06	0.37	Δ200/Y350	2860	2.1/1.2	0.45	Δ200/Y350 Δ220/Y380 Y400	3380 3410 3430	2.3/1.3 2.1/1.2 1.2	IP55 • ISO F • bimetal	7.7	177 [7]	291.5 [11.5]
07	0.37	Y400	2860	1.0	0.45	YY208–230 Y460	3390–3440 3440	2.1–2.0 1.0	UL • CSA IP55 • ISO F • bimetal	7.8	177 [7]	291.5 [11.5]

[1)] Details see type plate

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

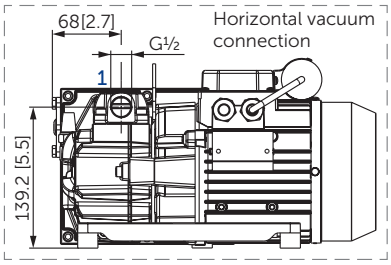


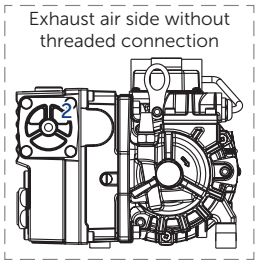
Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%

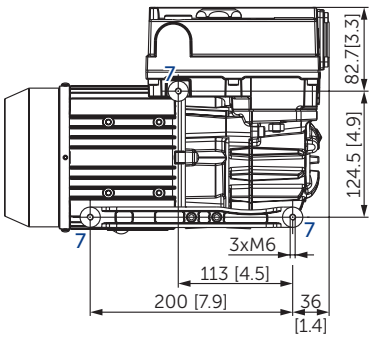
VARIANTS AND ACCESSORIES

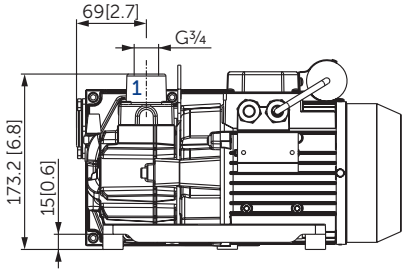
O 5.10 WITH 0.3 L TANK

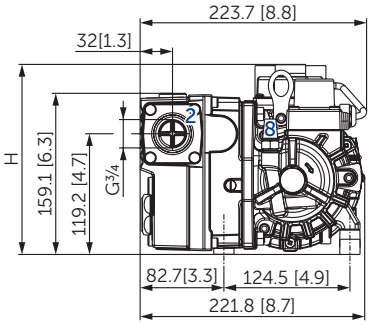
- Including motors without Mate-N-Lok power connection

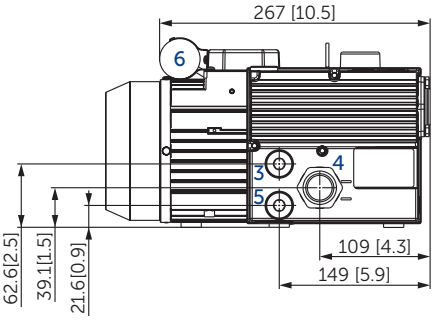


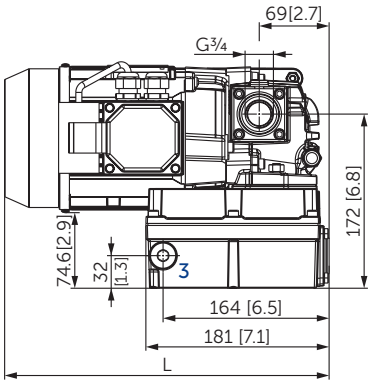










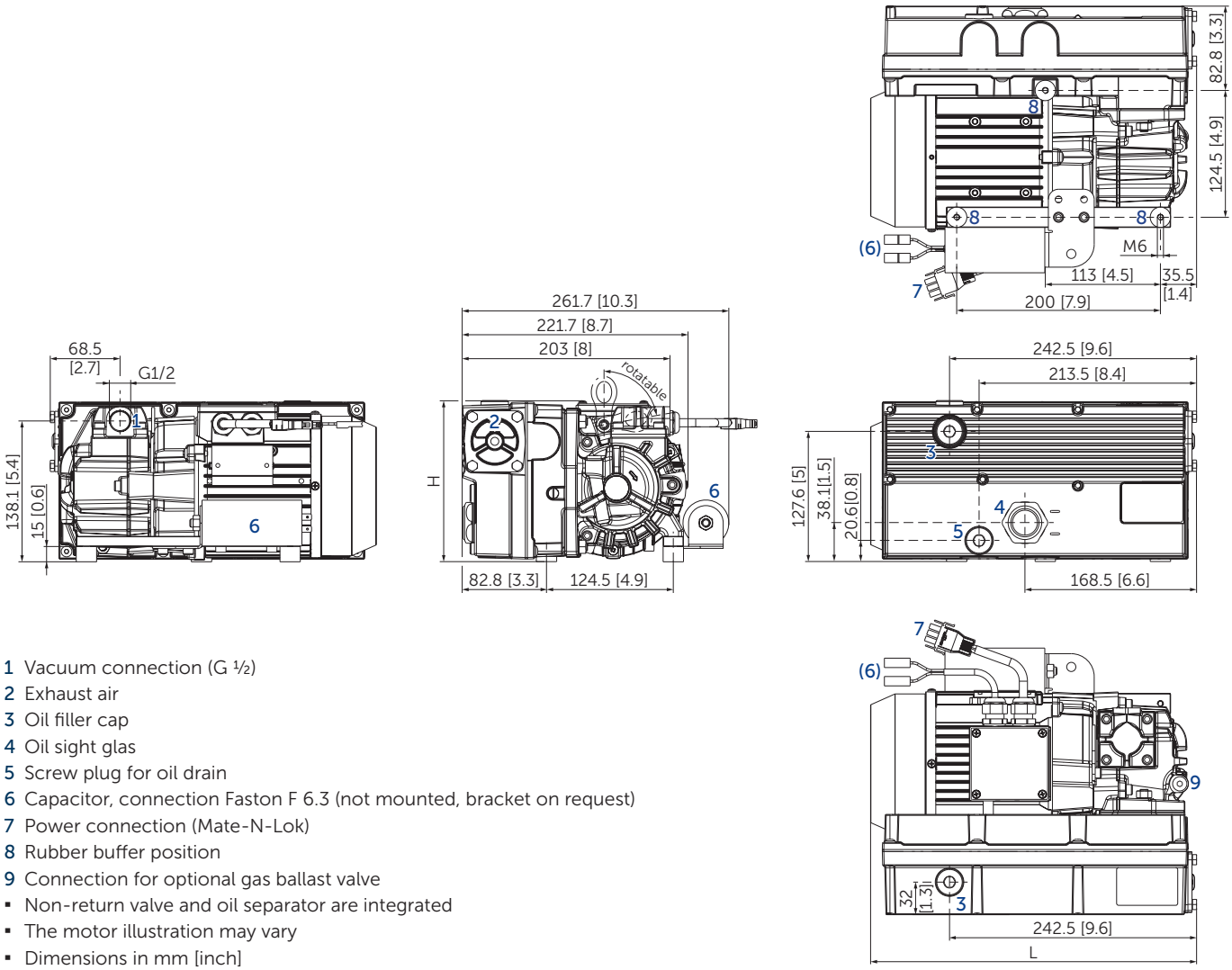


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3 Oil filler cap
4 Oil sight glas
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6 Capacitor for 1~ motors
7 Rubber buffer position
8 Optional gas ballast valve

- Non-return valve and oil separator are integrated
- The motor illustration may vary
- Dimensions in mm [inch]

O 5.10 XL WITH 0.5 L TANK AND MATE-N-LOK POWER CONNECTION

- Motor #03 or #04 included

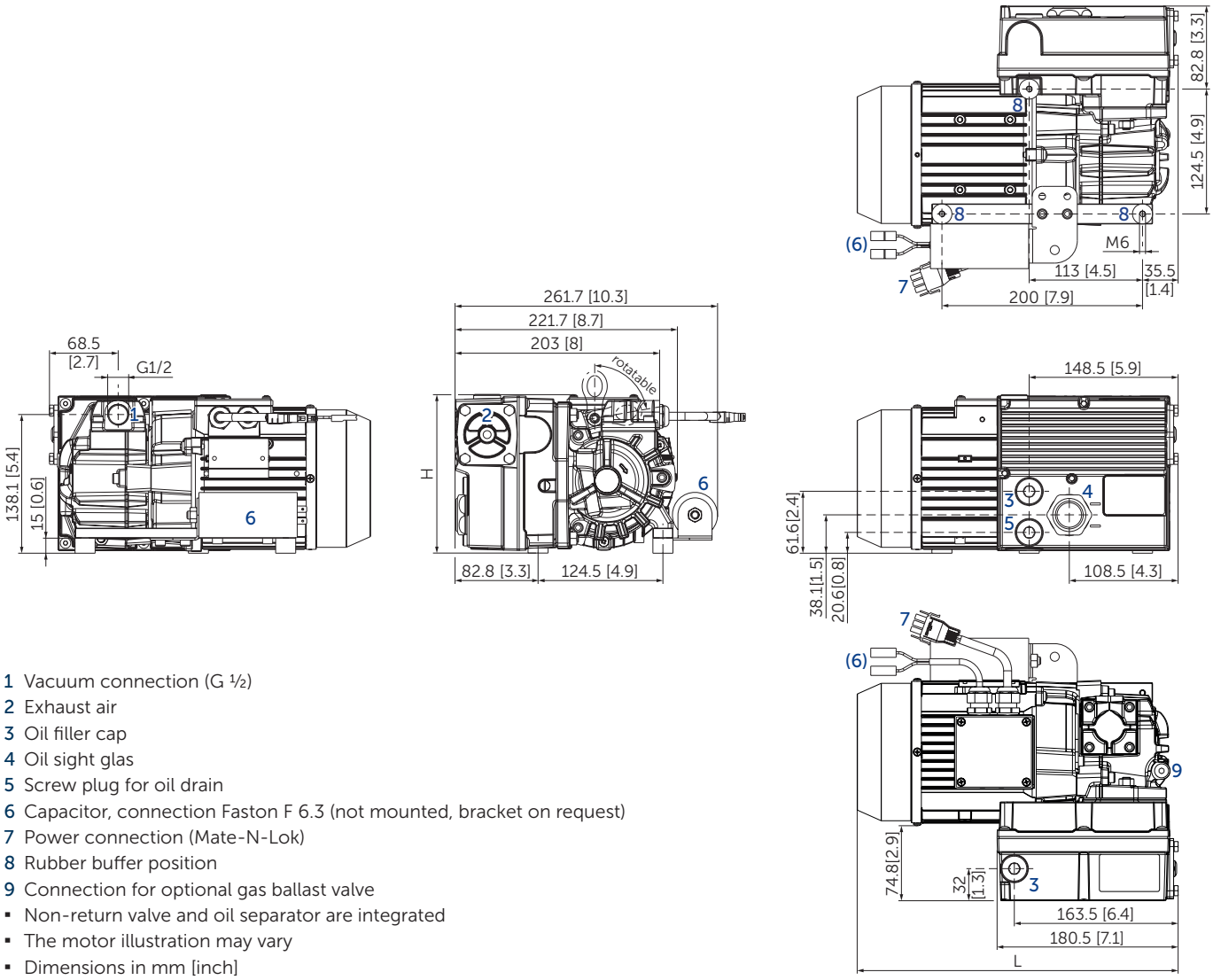


1 Vacuum connection (G ½)
2 Exhaust air
3 Oil filler cap
4 Oil sight glas
5 Screw plug for oil drain
6 Capacitor, connection Faston F 6.3 (not mounted, bracket on request)
7 Power connection (Mate-N-Lok)
8 Rubber buffer position
9 Connection for optional gas ballast valve

- Non-return valve and oil separator are integrated
- The motor illustration may vary
- Dimensions in mm [inch]

O 5.10 WITH 0.3 L TANK AND MATE-N-LOK POWER CONNECTION

- Motor #03 or #04 included



1 Vacuum connection (G ½)
2 Exhaust air
3 Oil filler cap
4 Oil sight glas
5 Screw plug for oil drain
6 Capacitor, connection Faston F 6.3 (not mounted, bracket on request)
7 Power connection (Mate-N-Lok)
8 Rubber buffer position
9 Connection for optional gas ballast valve

- Non-return valve and oil separator are integrated
- The motor illustration may vary
- Dimensions in mm [inch]

GAS BALLAST VALVE

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

BECKER LUBE[1)]

- **M 68** mineral
- **M 32** mineral
- **S 68** synthetic
- **S 32** synthetic
- **SL 68** food (food packaging)
- **SL 32** food (food packaging)
- **SM 68** food (food processing)
- **SM 32** food (food processing)

[1)] See operating instructions

Right of modification reserved 2022-10-26

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