

DATA SHEET

Ø 5.10 (XL)

ROTARY VANE VACUUM PUMPS

oil-lubricated

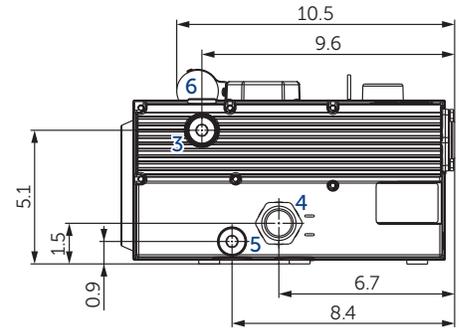
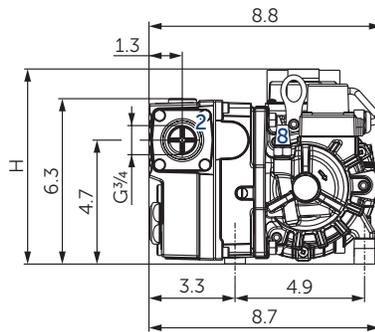
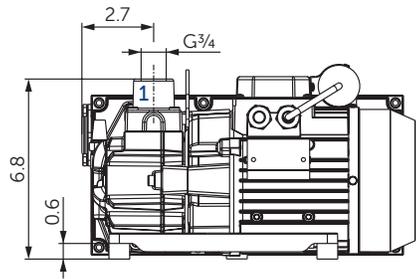
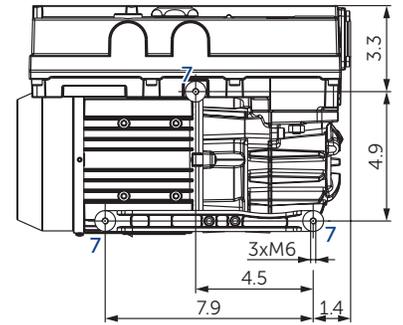
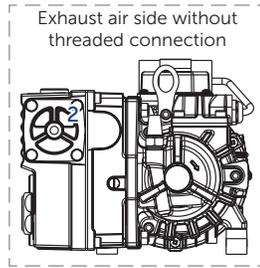
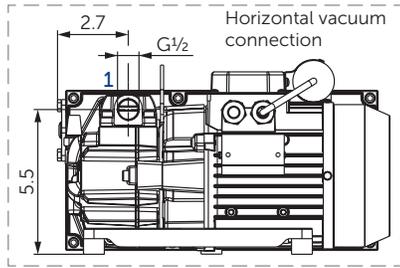
air-cooled

MAKE IT BECKER.

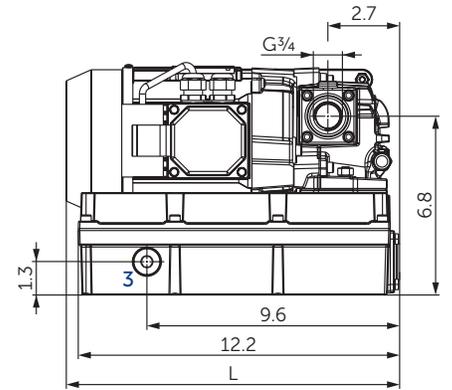


O 5.10 XL WITH 0.13 US GAL. TANK

- Including motors without Mate-N-Lok power connection



- 1 Vacuum connection vertical (G^{3/4}) or horizontal (G^{1/2})
 - 2 Exhaust air side with or without threaded connection (G^{3/4})
 - 3 Oil filler cap
 - 4 Oil sight glass
 - 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 inch



	Nominal capacity		Vacuum		Emission sound pressure level ¹⁾		Weight incl. motor lbs	Oil (Oil tank) US gal.
	CFM		Torr		dB(A)			
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
O 5.10 XL	6.2	7.4	1.5	1.5	58.5	64	≈37.5	≈0.08
O 5.10	6.2	7.4	1.5	1.5	58.5	64	≈40.8	≈0.13

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, vacuum connection piped, exhaust side open

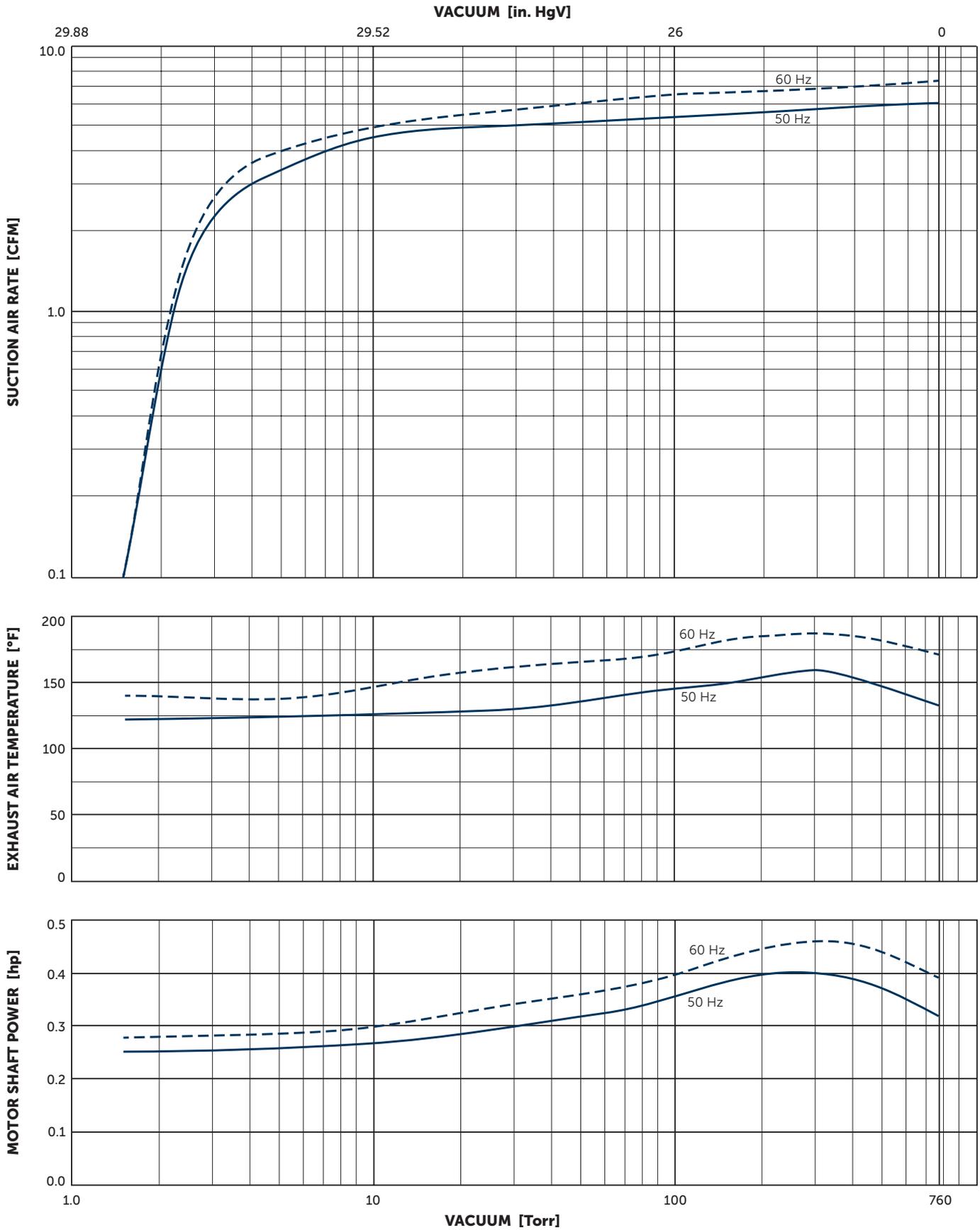
1~ Motors											H	L
#	50 Hz				60 Hz				Version	Weight lbs	inch	
	hp	V	rpm	A	hp	V	rpm	A				
01	0.5	220-240	2790-2820	2.5	0.6	220-240	3270-3340	3.2	IP 55 • ISO F • bimetal	20.7	7.4	12.6
02	0.74	100-110	2770-2810	9.0-8.9	0.89	100-120	3240-3370	10.4-9.3	UL • CSA IP 55 • ISO F • bimetal	23.8	7.4	12.6

1~ Motors with Mate-N-Lok power connection											H	L
#	50 Hz				60 Hz				Version	Weight lbs	inch	
	hp	V	rpm	A	hp	V	rpm	A				
03	0.5	220-240	2700-2790	2.7-2.6					IP 55 • ISO F • bimetal Mate-N-Lok	18.1	6.2	11.5
04	0.5	220-240	2790-2820	2.5	0.6	220-240	3270-3340	3.2	IP 55 • ISO F • bimetal Mate-N-Lok	20.8	6.2	12.6

3~ Motoren											H	L
#	50 Hz				60 Hz				Version	Weight lbs	inch	
	hp	V	rpm	A	hp	V	rpm	A				
05	0.5	Δ230/Y400	2860	1.7/1.0	0.6	Δ265/Y460	3440	1.7/1.0	IE2 ¹⁾ IP55 • ISO F • bimetal	17.0	7.0	11.5
						Δ230/Y400	3370	1.9/1.1				
06	0.5	Δ200/Y350	2860	2.1/1.2	0.6	Δ200/Y350	3380	2.3/1.3	IP55 • ISO F • bimetal	17.0	7.0	11.5
						Δ220/Y380 Y400	3410 3430	2.1/1.2 1.2				
07	0.5	Y400	2860	1.0	0.6	YY208-230	3390-3440	2.1-2.0	UL • CSA IP55 • ISO F • bimetal	17.2	7.0	11.5
						Y460	3440	1.0				

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.

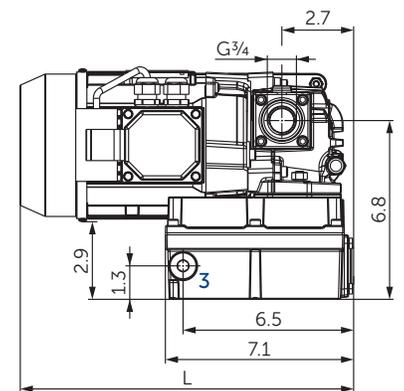
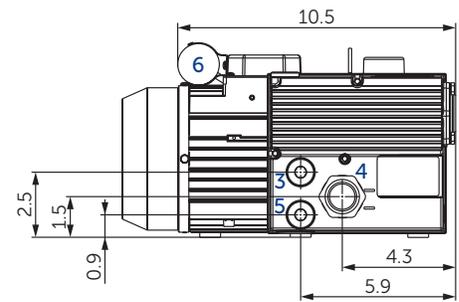
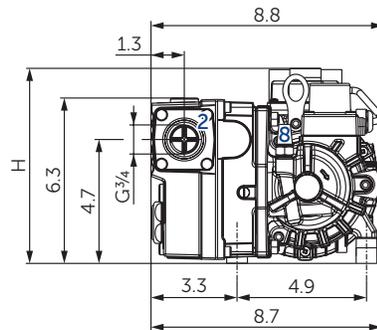
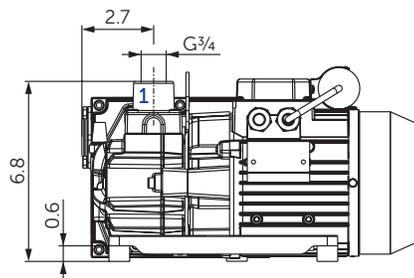
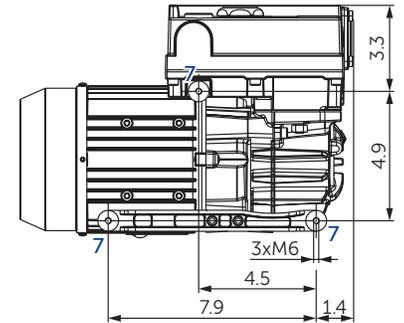
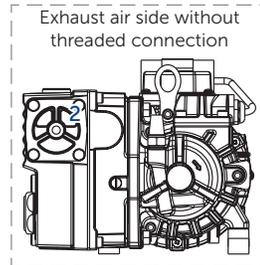
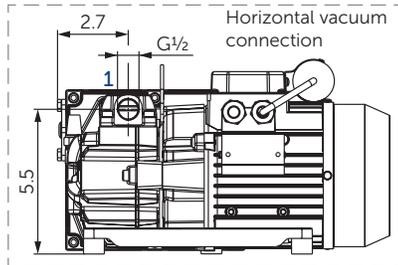


Suction air rate refers to the intake pressure
 Reference data (atmosphere): in. HgV, 68°F; Tolerance: ±10%

+ VARIANTS AND ACCESSORIES

O 5.10 WITH 0.08 US GAL. TANK

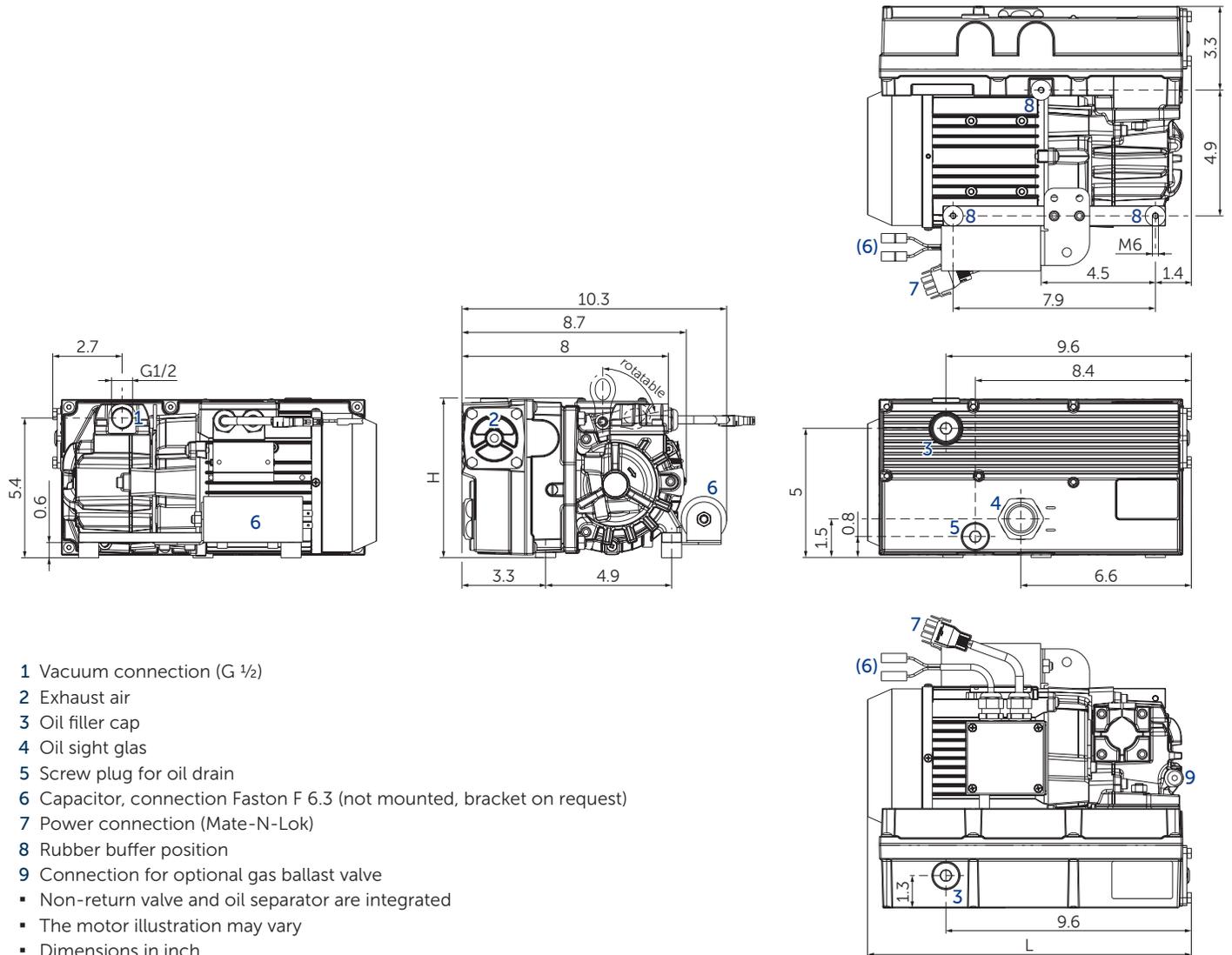
- Including motors without Mate-N-Lok power connection



- 1 Vacuum connection vertical ($G\frac{3}{4}$) or horizontal ($G\frac{1}{2}$)
- 2 Exhaust air side with or without threaded connection ($G\frac{3}{4}$)
- 3 Oil filler cap
- 4 Oil sight glass
- 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]

O 5.10 XL WITH 0.13 US GAL. TANK AND MATE-N-LOK POWER CONNECTION

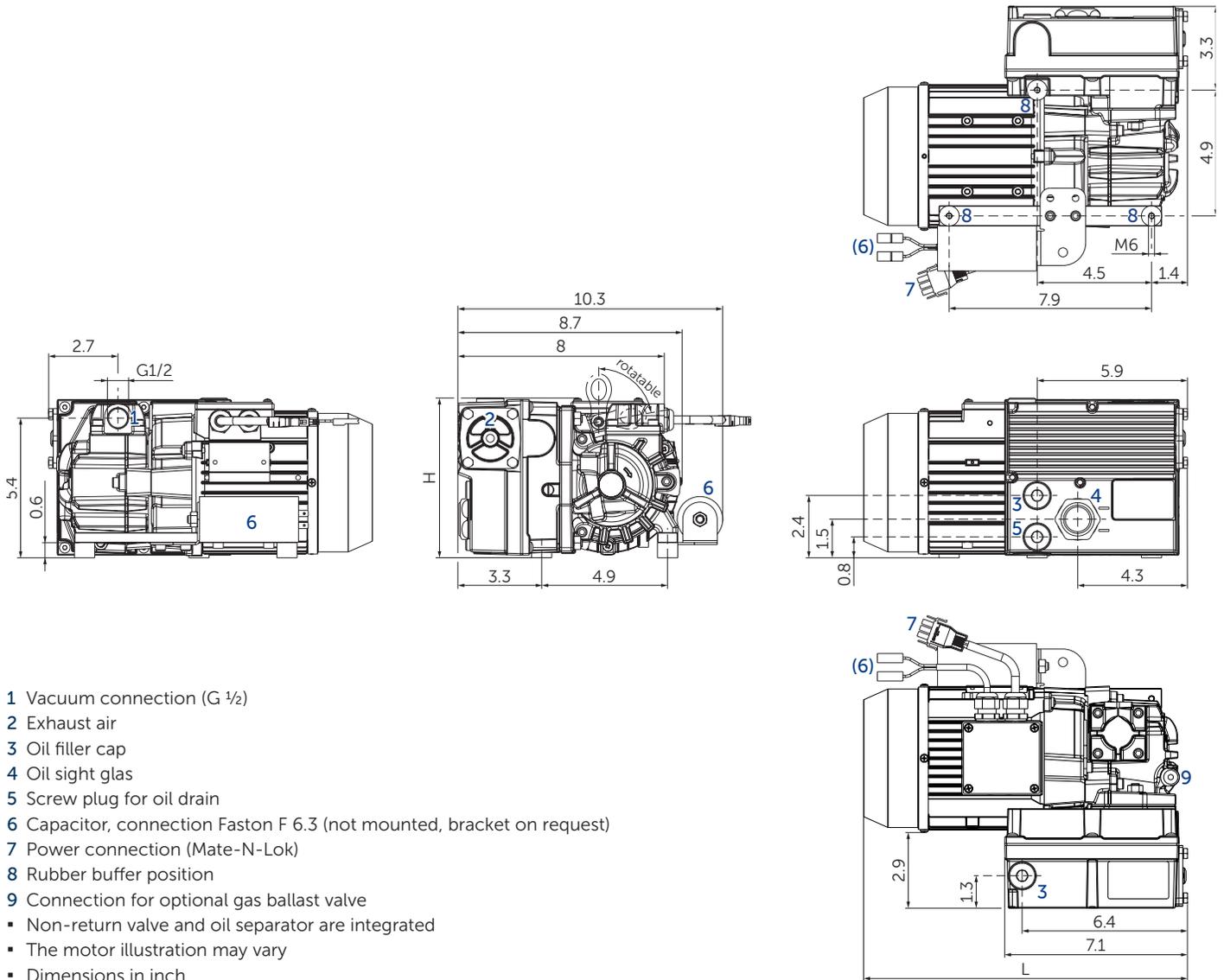
- Motor #03 or #04 included



- 1 Vacuum connection (G ½)
- 2 Exhaust air
- 3 Oil filler cap
- 4 Oil sight glass
- 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 inch

O 5.10 WITH 0.08 US GAL. TANK AND MATE-N-LOK POWER CONNECTION

- Motor #03 or #04 included



- 1 Vacuum connection (G 1/2)
- 2 Exhaust air
- 3 Oil filler cap
- 4 Oil sight glass
- 5 Screw plug for oil drain
- 6 Capacitor, connection Faston F 6.3 (not mounted, bracket on request)
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GAS BALLAST VALVE

- Version for small amounts of moisture, vacuum <2.25 Torr
- Version for higher amounts of moisture, vacuum <15 Torr

BECKER LUBE¹⁾

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

¹⁾ See operating instructions



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