

DATA SHEET

U 5.40 (XL K)

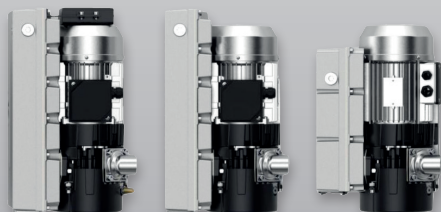
ROTARY VANE VACUUM PUMPS

oil-lubricated
air-cooled

MAKE IT BECKER.



- 1 With the same footprint, evacuation time can be up to 40% faster compared to a 21 m³/h vacuum pump.
- 2 All oil-lubricated vacuum pumps up to 40 m³/h feature the industry's lowest installation height—specifically designed to meet the requirements of modern tabletop packaging machines.
- 3 The sophisticated design and wide range of accessories enable customized solutions tailored to specific application requirements.



U 5.40 XL K

U 5.40 XL

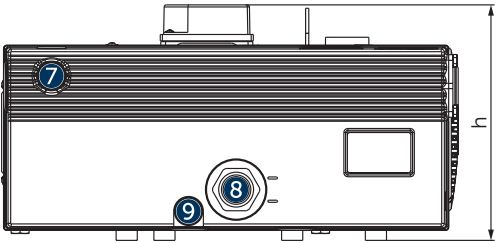
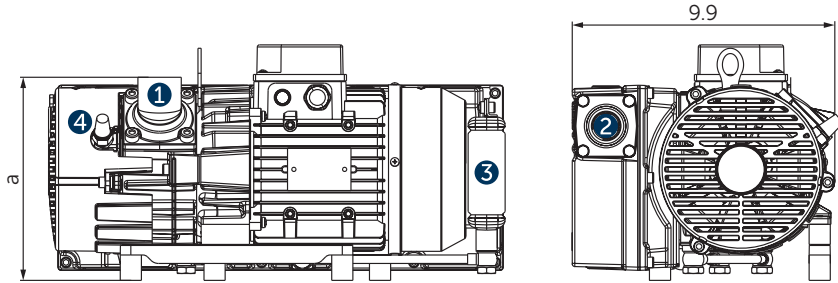
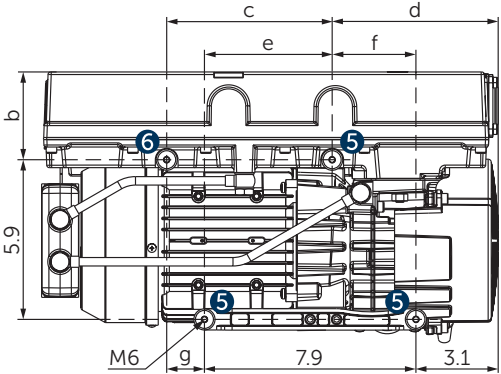
U 5.40



a	b	c	d
≤7.6	3.3	6.2	6.2/7.5
e	f	g	h
4.8/3.5	3.1/4.4	1.4	8.8/8

▪ depending on motor version

	Oil tank	k
U 5.40 XL (K)	0.264 U.S. gal.	16.9
U 5.40	0.132 U.S. gal.	12.2



	U 5.40 XL K	U 5.40 XL	U 5.40
1 Vacuum connection (G1), rotatable in 90° steps	vertical	horizontal	horizontal
2 Exhaust air side	G $\frac{3}{4}$	open	open
3 Oil-air cooler	inclusive	–	–
4 Gas ballast valve	inclusive	optional	optional
5 Rubber buffers, 3 pieces	inclusive	inclusive	inclusive
6 Additional rubber buffer	inclusive	inclusive	–

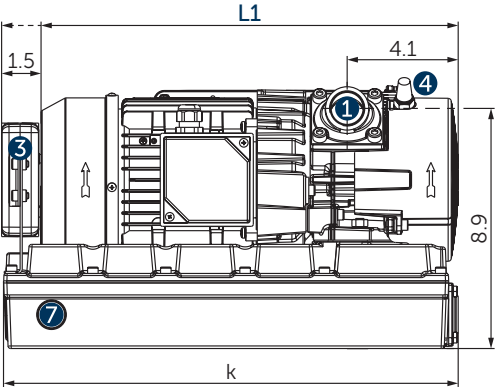
7 Oil filler cap

8 Oil sight glas

9 Screw plug for oil drain

L Overall device length L1 with motor is variable, see separate motor specification sheet

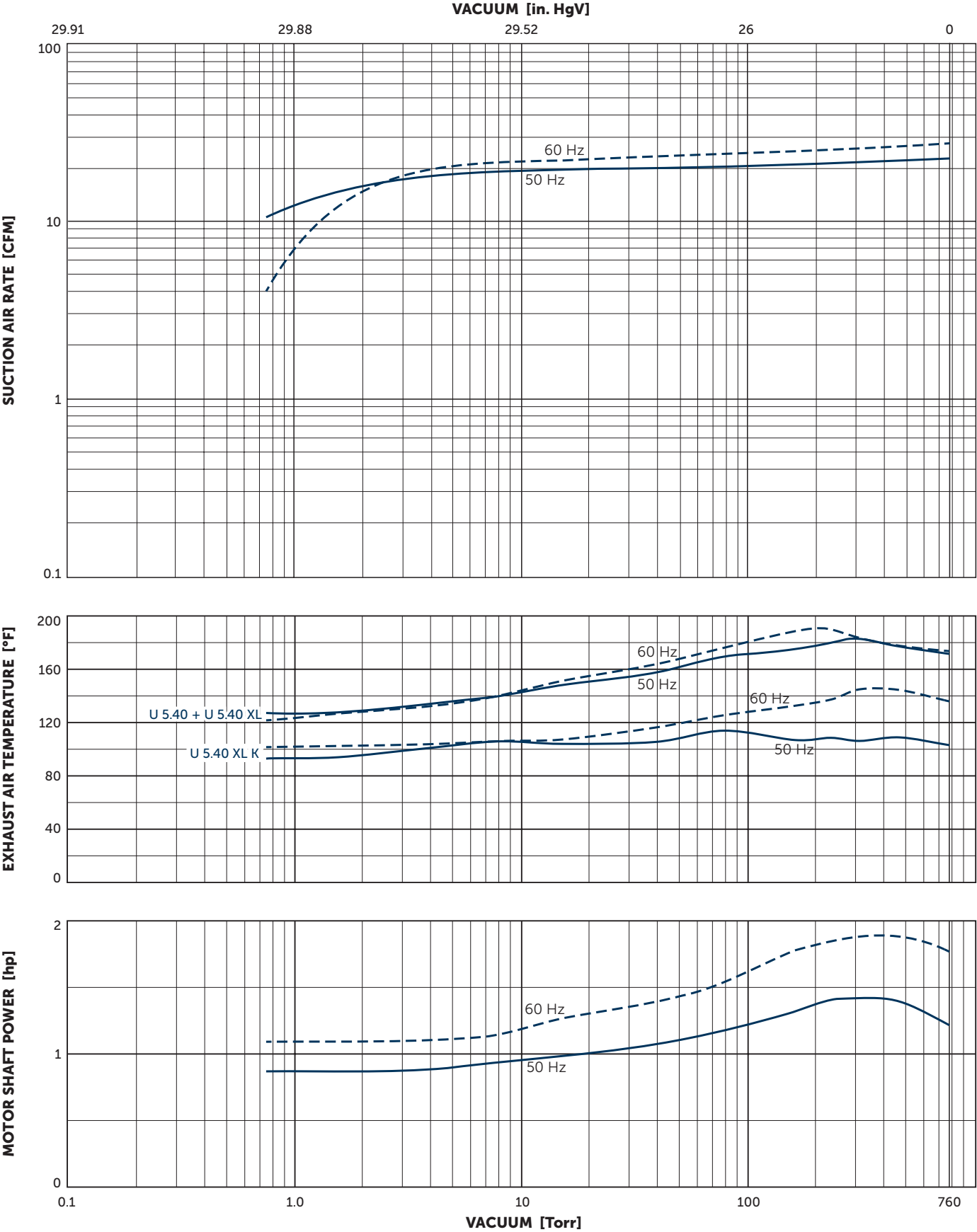
- Non-return valve and oil separator are integrated
- The motor illustration may vary
- Dimensions in inch



	Nominal capacity		Vacuum absolute for continous operation		Installed motor power		Emission sound pressure level ¹⁾		Weight incl. motor	Oil tank
	CFM		Torr		hp		dB(A)		lbs	U.S. gal.
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	3~/1~	
U 5.40 XL K	23.5	28.2	0.75–225	0.75–225	1.5	1.8	67	71	59.5/62.8	0.264
U 5.40 XL	23.5	28.2	0.75–75	0.75–75	1.5	1.8	67	71	58.0/61.3	0.264
U 5.40	23.5	28.2	0.75–75	0.75–75	1.5	1.8	64	67	55.1/58.4	0.132

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

- Gas ballast valve: vacuum <1.5 Torr (with opened gas ballast valve), water vapour tolerance max. 9 Torr, water vapour capacity max. 0.0924 U.S.gal./h (at 185°F operating temperature)
- Reference data (atmosphere): 0 In. HgV / 760 Torr, 68°F; tolerance: ±10%



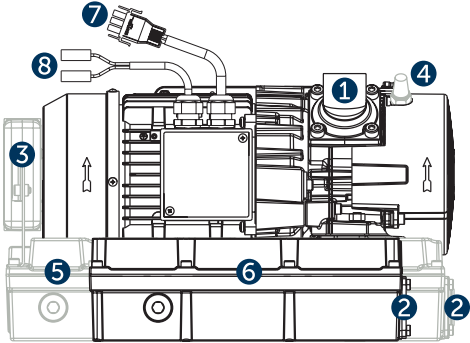
Suction air rate refers to the intake pressure
Reference data (atmosphere): 0 in. HgV / 760 Torr, 68°F; Tolerance: ±10%

+ VARIANTS AND ACCESSORIES

U 5.40 (XL) WITH MATE-N-LOK POWER CONNECTION

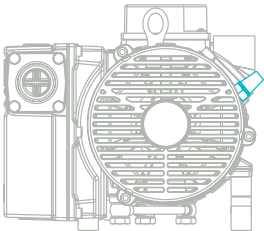
	U 5.40 XL K	U 5.40 XL	U 5.40
1 Vacuum connection (G1), rotatable in 90° steps	vertical	horizontal	horizontal
2 Exhaust air side	G3/4	open	open
3 Oil-air cooler	inclusive	–	–
4 Gas ballast valve	inclusive	optional	optional
5 0.264 U.S. gal. oil tank	inclusive	inclusive	–
6 0.132 U.S. gal. oil tank	–	–	inclusive

- 7 Power connection (Mate-N-Lok)
8 Capacitor connection Faston F 6.3
▪ Motors see separate motor specification sheet



GAS BALLAST VALVE

		Version 1	Version 2
for ... amounts of moisture		small	higher
Vacuum (with opened gas ballast valve)	[Torr]	<1.5	<15
Water vapour tolerance	max. [Torr]	9	on request
Water vapour capacity (at 185°F operating temperature)	max. [U.S.gal./h]	0.0924	on request



LEVEL SENSOR (OIL LEVEL SWITCH)

- for 0.5 litre oil tank: **ST 628-0-22 ST + ST 628-0-25 NTC**
- for 1.0 litre oil tank: **ST 628-0-23 ST + ST 628-0-27 NTC**

* Only for vertical installation



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



Freely configurable service openings (illustration 0.132 U.S. gal. oil tank)

MAKE IT BECKER.



**MOTOR
SPECIFICATIONS**

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