DATA SHEET

U 5.40 (XL K)

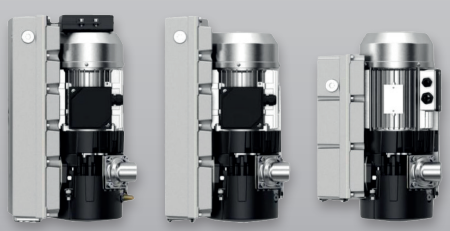
ROTARY VANE VACUUM PUMPS

oil-lubricated
air-cooled

MAKE IT BECKER.



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



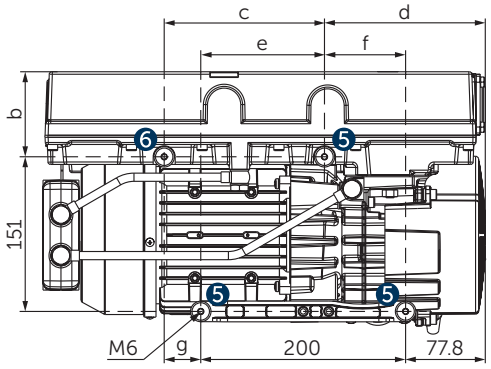
U 5.40 XL K | U 5.40 XL | U 5.40

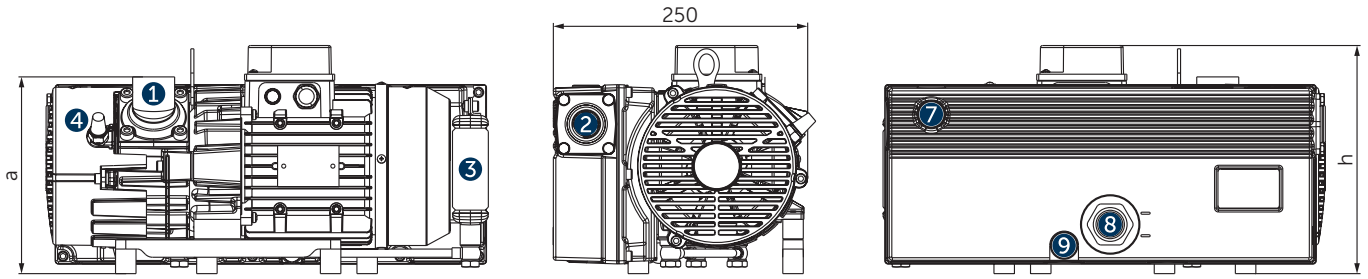
BECKER

a	b	c	d
≤192.1	83/82.7	156.5	157/190
e	**f**	**g**	**h**
120.8/87.8	79.2/112.2	35.7	222.7/203.7

▪ depending on motor version

	Oil tank	K
U 5.40 XL (K)	1.0 l	430
U 5.40	0.5 l	309

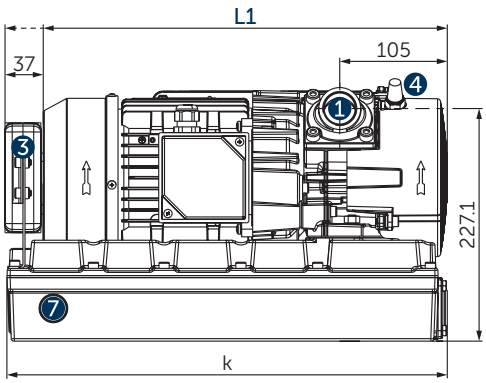




	U 5.40 XL K	U 5.40 XL	U 5.40
1 Vacuum connection (G1), rotatable in 90° steps	vertical	horizontal	horizontal
2 Exhaust air side	G¾	open	open
3 Oil-air cooler	inclusive	–	–
4 Gas ballast valve	inclusive	optional	optional
5 Rubber buffers, 3 pieces	inclusive	inclusive	inclusive
6 Additional rubber buffer	inclusive	inclusive	–

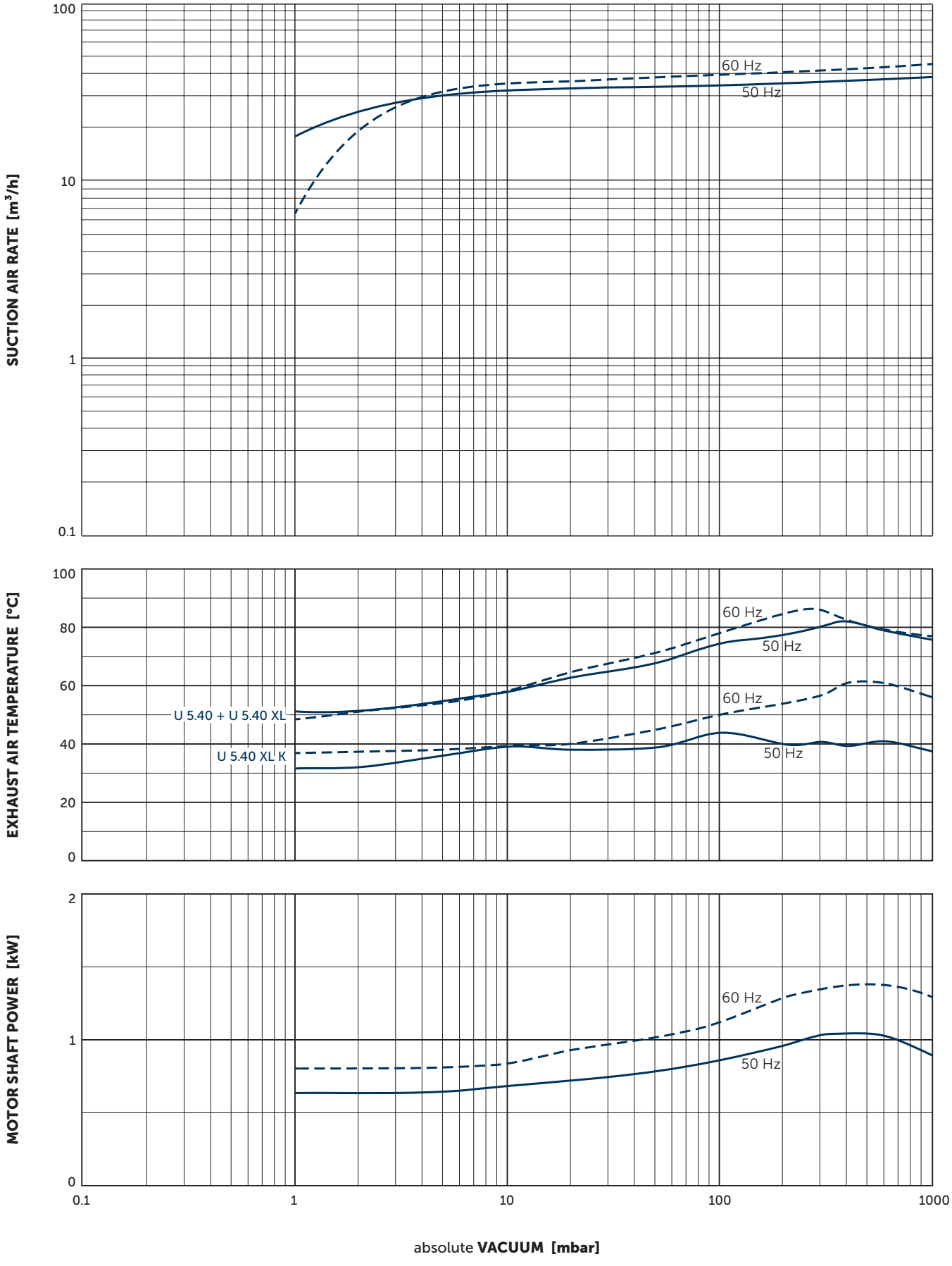
7 Oil filler cap
8 Oil sight glas
9 Screw plug for oil drain
L Overall device length L1 with motor is variable, see separate motor specification sheet

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



	Nominal capacity		Vacuum absolute for continous operation		Installed motor power		Emission sound pressure level[1]		Weight incl. motor	Oil tank
	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	3~/1~	
U 5.40 XL K	40	48	1.0–300	1.0–300	1.1	1.35	67	71	27.0/28.5	1.0
U 5.40 XL	40	48	1.0–100	1.0–100	1.1	1.35	67	71	26.3/27.8	1.0
U 5.40	40	48	1.0–100	1.0–100	1.1	1.35	64	67	25.0/26.5	0.5

[1] According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m distance, at medium load, vacuum connection piped, exhaust side open
▪ Gas ballast valve: vacuum <2 mbar (with opened gas ballast valve),
water vapour tolerance max. 12 mbar, water vapour capacity max. 0.35 l/h (at 85°C operating temperature)
▪ Reference data (atmosphere): 1000 mbar, 20°C; tolerance: ±10%



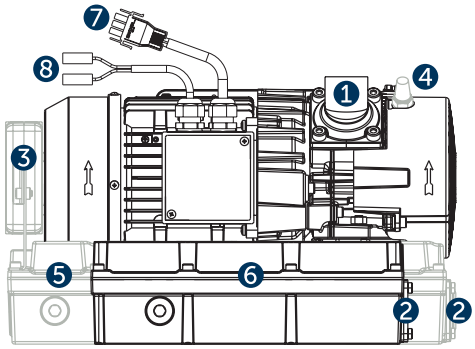
Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar, 20°C
Tolerance: ±10%

VARIANTS AND ACCESSORIES

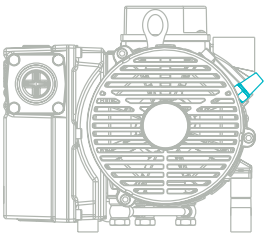
U 5.40 (XL) WITH MATE-N-LOK POWER CONNECTION

	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	G¾	open	open
3 Oil-air cooler	inclusive	–	–
4 Gas ballast valve	inclusive	optional	optional
5 1.0 l oil tank	inclusive	inclusive	–
6 0.5 l 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)	[mbar]	<2	<20
Water vapour tolerance	max. [mbar]	12	on request
Water vapour capacity (at 85°C operating temperature)	max. [l/h]	0.35	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 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



Freely configurable service openings (illustration 0.5l oil tank)

Right of modification reserved 2026-05-12

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MOTOR
SPECIFICATIONS

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