

DATA SHEET

U 5.40 (XL K) ROTARY VANE VACUUM PUMPS

oil-lubricated
air-cooled

MAKE IT BECKER.



U 5.40 XL K



U 5.40 XL

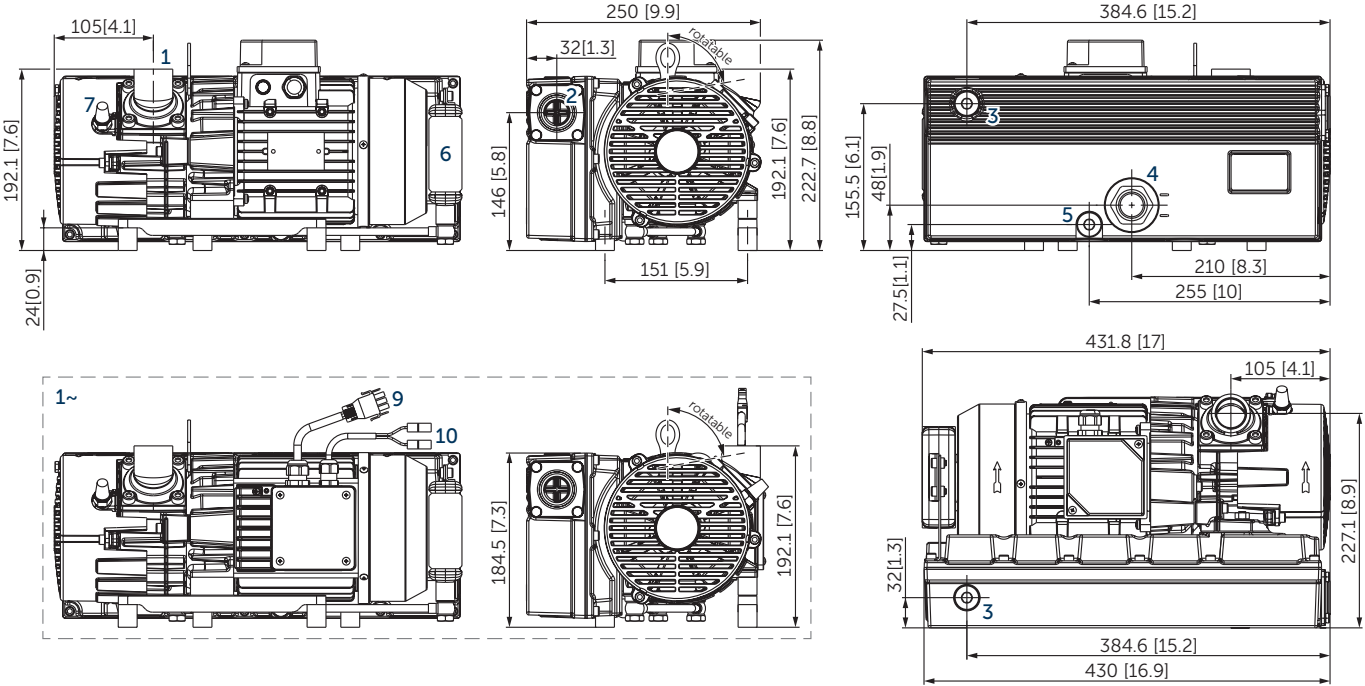


U 5.40



U 5.40 XL K WITH 1.0 L TANK AND OIL-AIR COOLER

- 1 Vacuum connection (G1), rotatable in 90° steps
- 2 Threaded connector for exhaust air (G¾)
- 3 Oil filler cap
- 4 Oil sight glass
- 5 Screw plug for oil drain
- 6 Oil-air cooler
- 7 Gas ballast valve
- 8 Rubber buffer position
 - Non-return valve and oil separator are integrated
 - The motor illustration may vary.
 - Dimensions in mm [inch]



- 1~ motor:
- 9 Grid connection (Mate-N-Lok)
- 10 Capacitor connection (Faston), capacitor enclosed separately

	Nominal capacity		Vacuum absolute for continous operation		Emission sound pressure level ¹⁾		Weight incl. motor	Oil (Oil tank)
	m³/h		mbar		dB(A)		kg	l
	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	67	71	27.0/28.5	1.0
U 5.40 XL	40	48	1.0–100	1.0–100	67	71	26.3/27.8	1.0
U 5.40	40	48	1.0–100	1.0–100	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 [39.4 inch] distance, at medium load, vacuum connection piped, exhaust side open

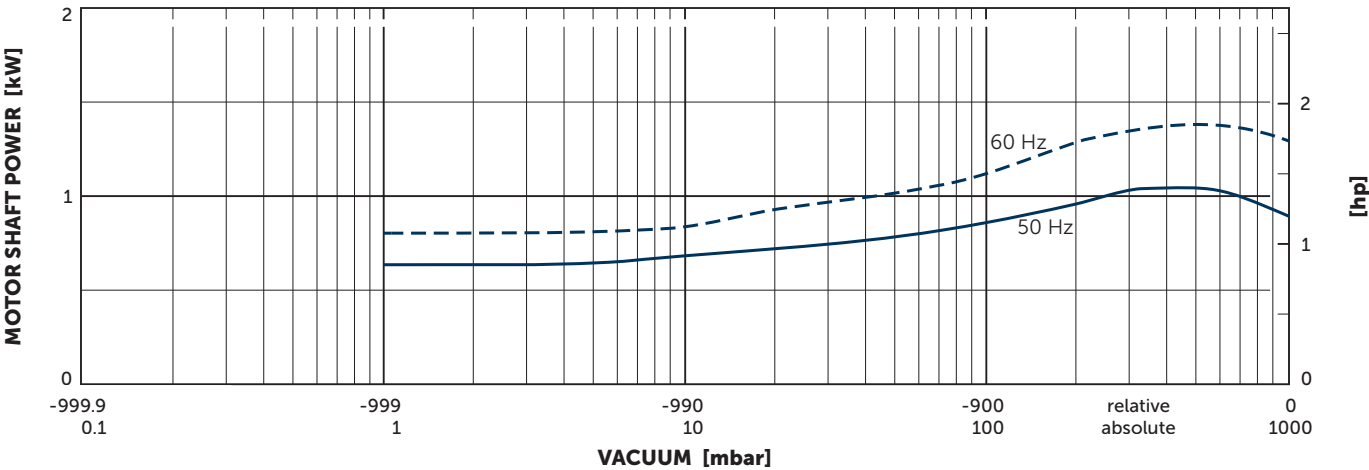
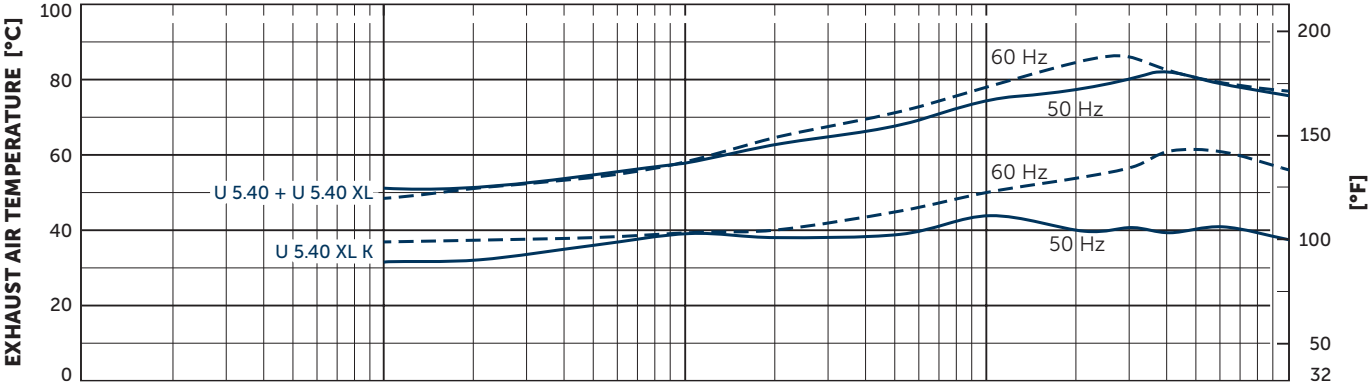
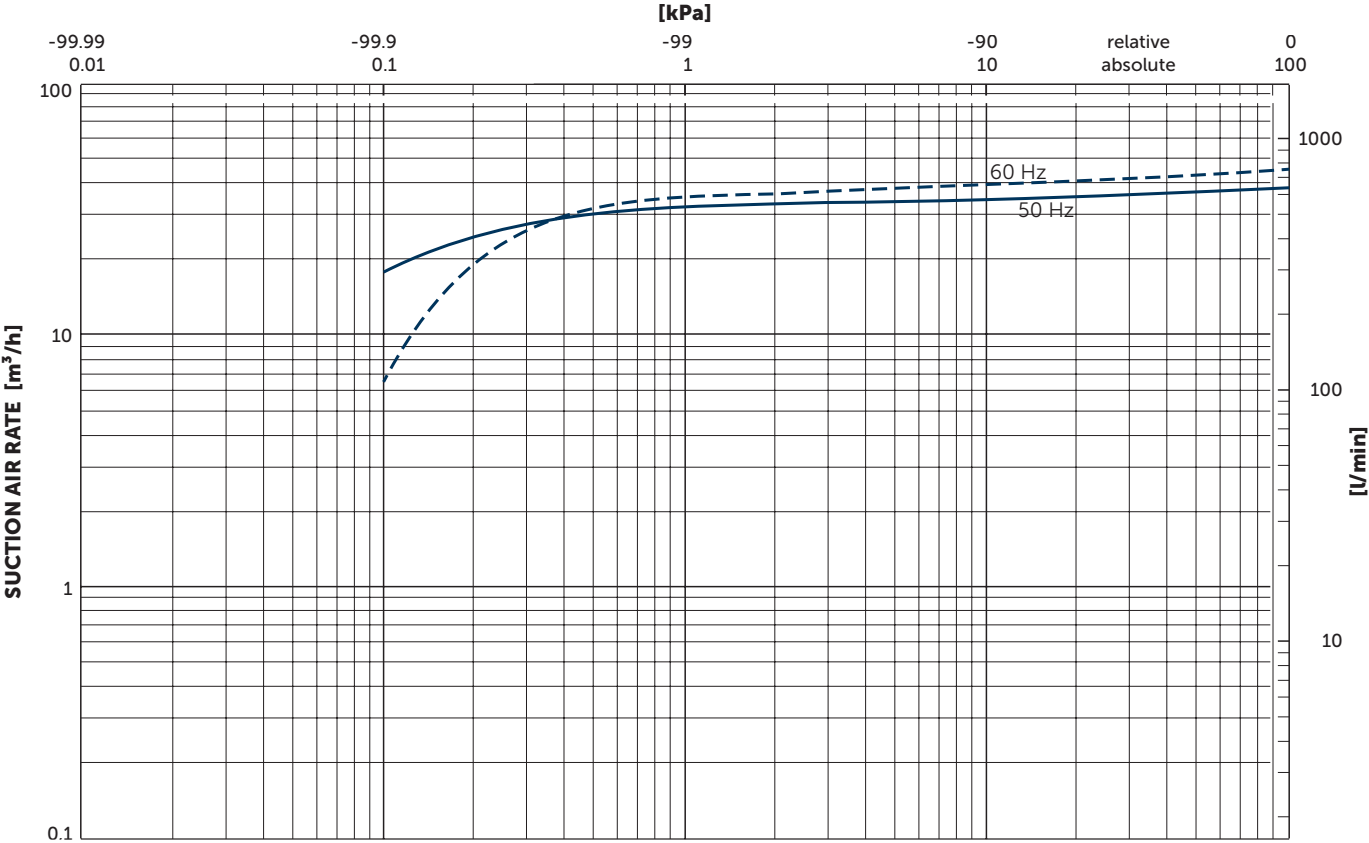
- Gas ballast valve: vacuum <2 mbar (with opened gas ballast valve), water vapour tolerance max. 12 mbar, water vapour capacity max. 0.35 l/h (at 85°C operating temperature)

3~ Motors										
#	50 Hz				60 Hz				Weight kg	Version
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A		
01	1.1	Δ230/Y400	2910	4.8/2.8	1.35	Δ265/Y460	3500	4.7/2.7	15.0	IE3 ¹⁾ IP55 • ISO F thermal protection 150°
						Δ230/Y400	3470	4.7/2.7		
02	1.1	Y400	2930	2.7	1.35	Y460	3520	2.7	16.5	UL • CSA • IE3 ¹⁾ IP55 • ISO F thermal protection 150°
						YY208–230	3500–3520	5.5–5.4		
03	1.1	Δ200/Y350	2920	5.7/3.3	1.35	Δ220/Y380	3490	5.4/3.1	13.6	IE3 ¹⁾ IP55 • ISO F thermal protection 150°
						Y400	3510	3.1		
						Δ200/Y350	3470	5.4/3.1		

1~ Motor										
#	50 Hz				60 Hz				Weight kg	Version
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A		
04	1.1	220–240	2780–2820	6.9–6.7	1.35	220–240	3200–3290	8.7–8.0	16.0	IP 55 • ISO F capacitor 35 μF (450V)

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.

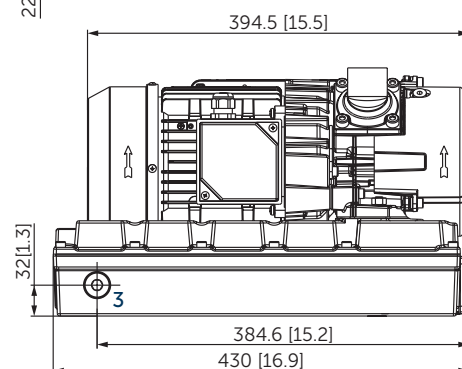
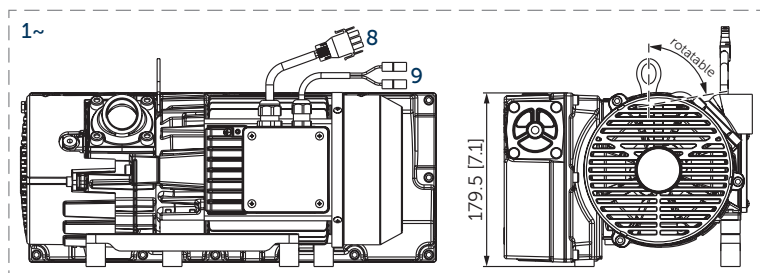
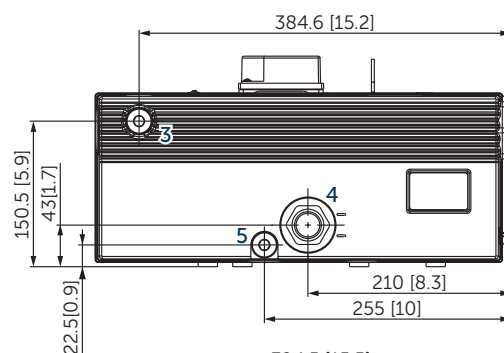
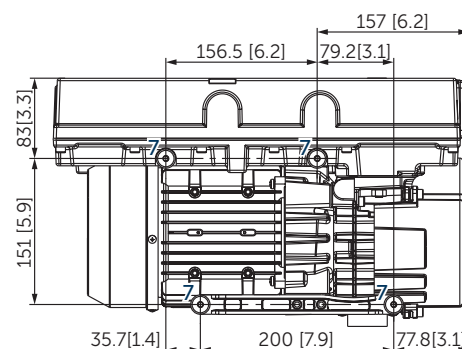
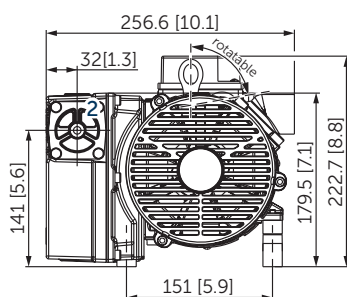
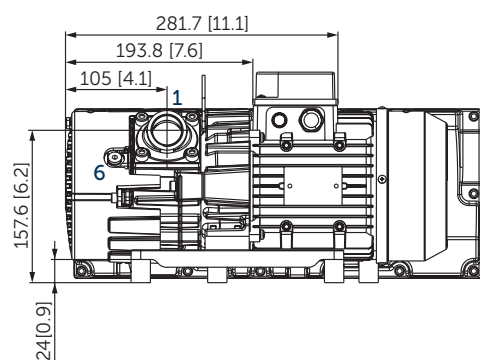


Suction air rate refers to the intake pressure
Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%

+ VARIANTS AND ACCESSORIES

U 5.40 XL WITH 1.0 L TANK

- 1 Vacuum connection (G1), rotatable in 90° steps
- 2 Exhaust air
- 3 Oil filler cap
- 4 Oil sight glas
- 5 Screw plug for oil drain
- 6 Connection for optional gas ballast valve
- 7 Rubber buffer position
 - Non-return valve and oil separator are integrated
 - The motor illustration may vary.
 - Dimensions in mm [inch]

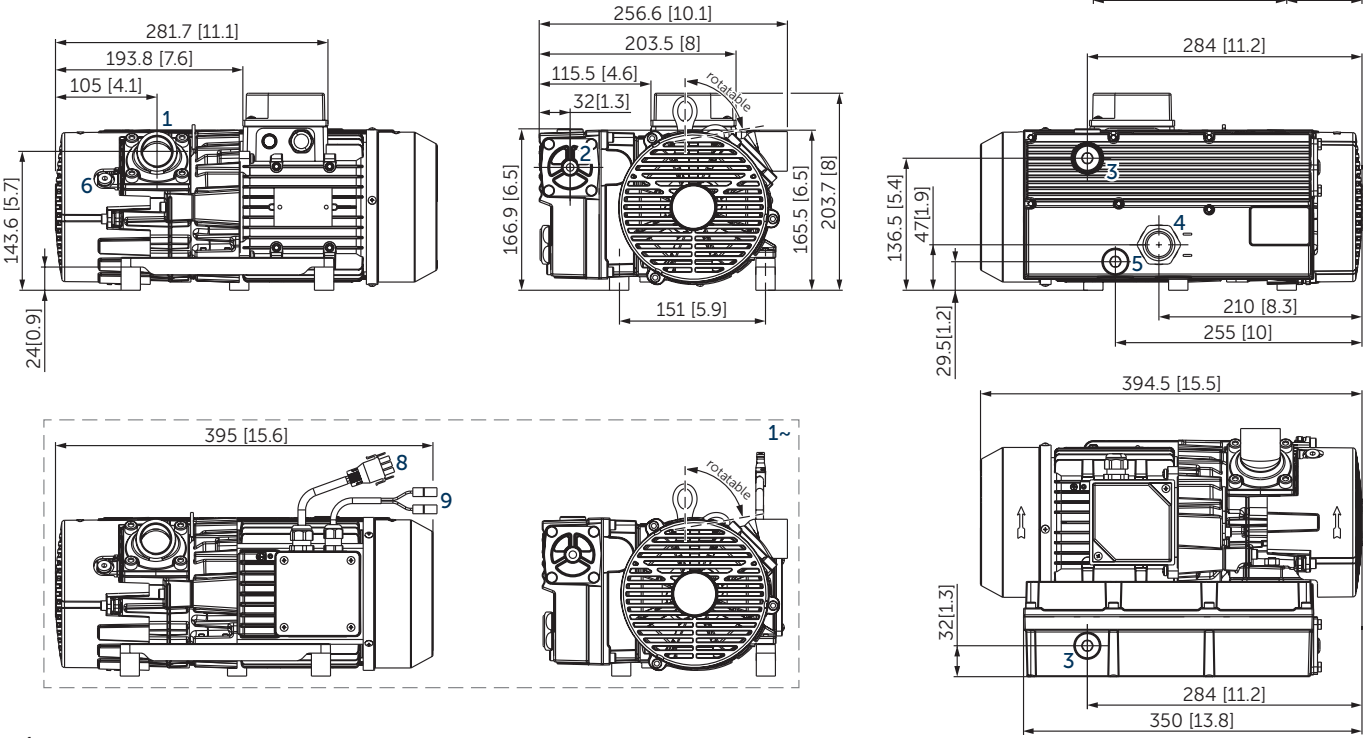


1~ motor:

- 8 Grid connection (Mate-N-Lok)
- 9 Capacitor connection (Faston), capacitor enclosed separately

U 5.40 WITH 0.5 L TANK

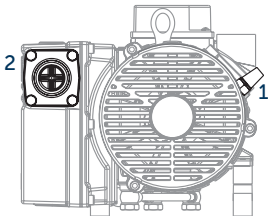
- 1 Vacuum connection (G1), rotatable in 90° steps
- 2 Exhaust air
- 3 Oil filler cap
- 4 Oil sight glas
- 5 Screw plug for oil drain
- 6 Connection for optional gas ballast valve
- 7 Rubber buffer position
 - Non-return valve and oil separator are integrated
 - The motor illustration may vary.
 - Dimensions in mm [inch]



- 1~ motor:
- 8 Grid connection (Mate-N-Lok)
- 9 Capacitor connection (Faston), capacitor enclosed separately

OTHER VARIANTS AND ACCESSORIES

- 1 Gas ballast valve
- 2 Threaded connector for exhaust air (G3/4) for U 5.40 and U 5.40 XL
 - Capacitor holder (pedestal mounting)



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

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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