DATA SHEET

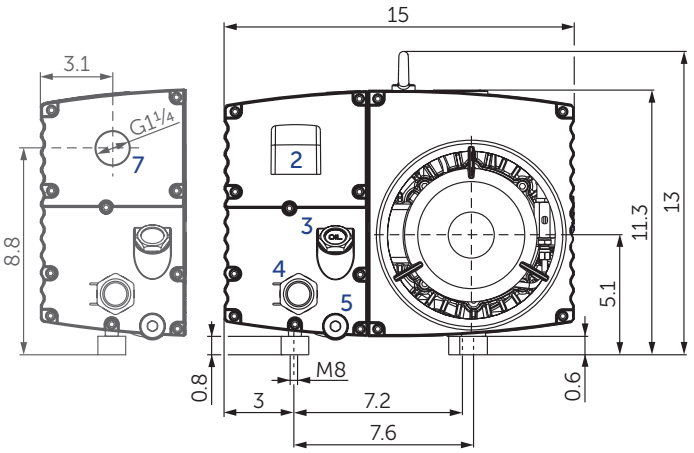
U 5.71
ROTARY VANE–VACUUM PUMPS

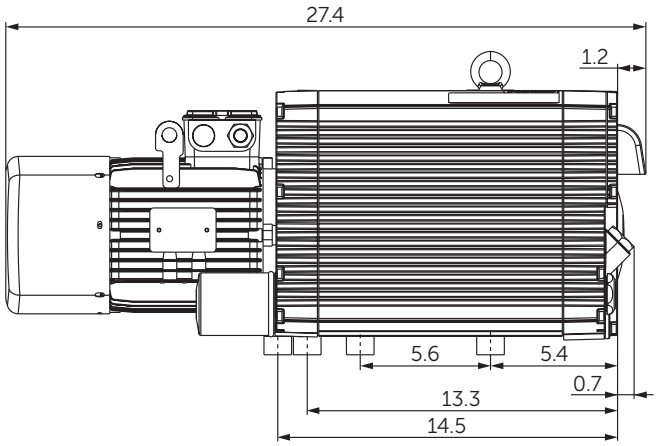
oil-lubricated
air-cooled

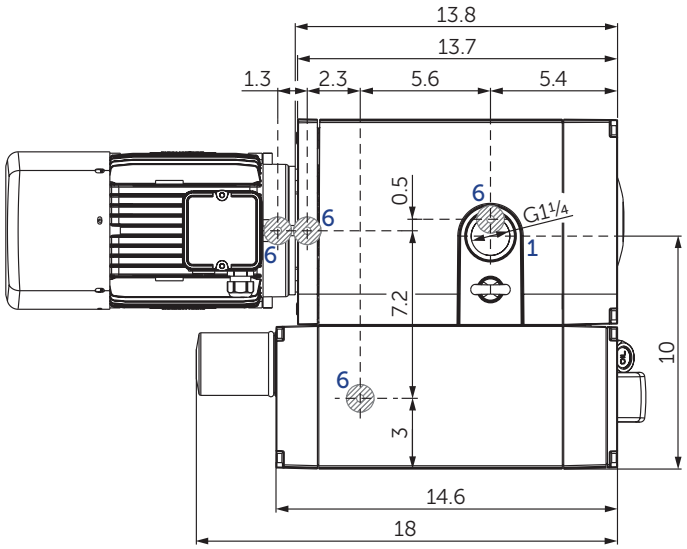
MAKE IT BECKER.



BECKER







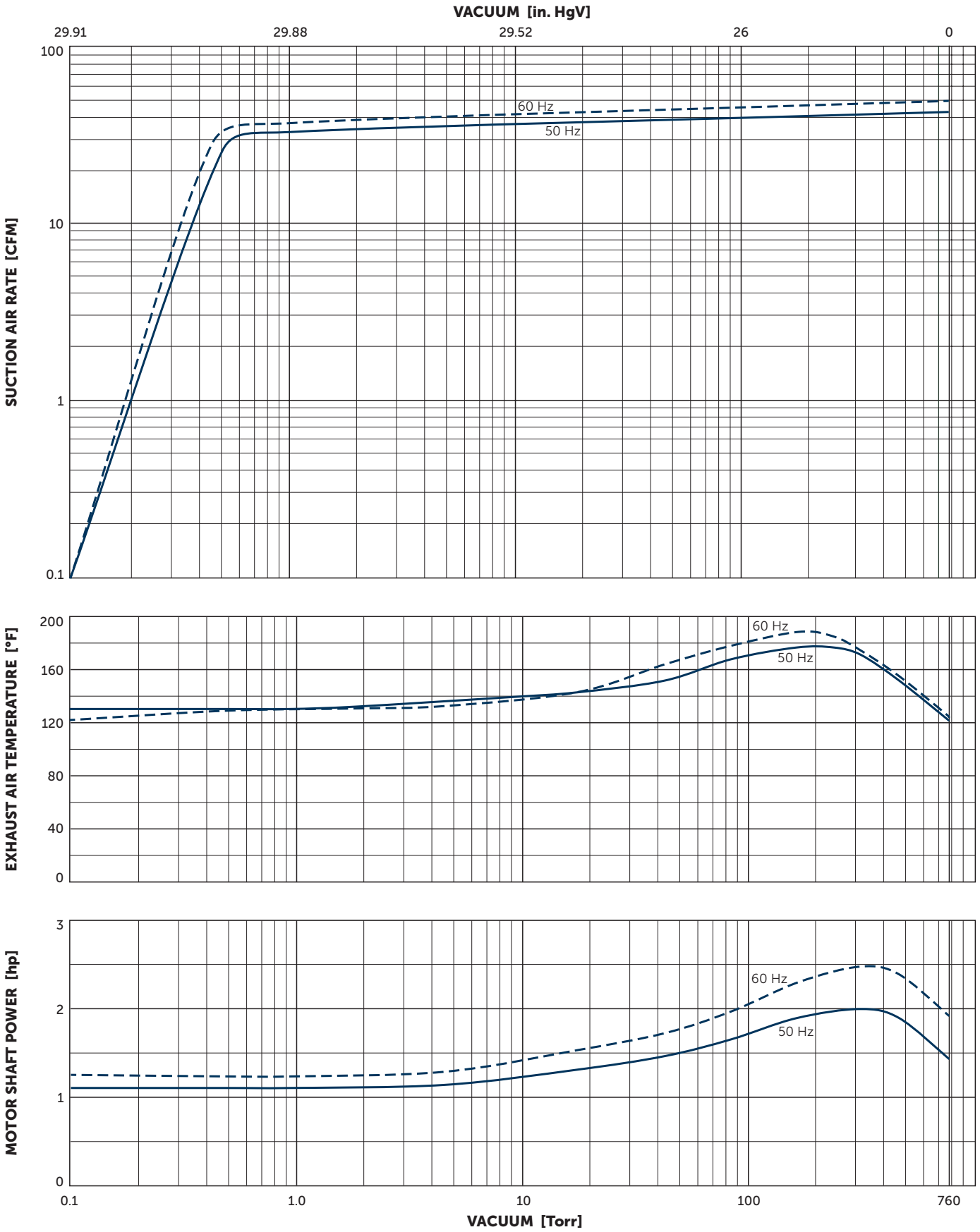
1 Vacuum connection (G1¼)
2 Exhaust air (diverter)
3 Oil filler cap (G¾)
4 Oil sight glas (G1)
5 Screw plug for oil drain (G½)
6 Rubber buffer position
7 optional: threaded connector for exhaust air (G1¼)
- incl. gas ballast valve, non-return valve, oil separator and oil filter
- The motor illustration may vary
- Dimensions in inch

Nominal capacity		Vacuum for continous operation		Motors		Emission sound pressure level [1]		Weight with motor	Oil [2]
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		
41.2	49.4	<0.075–300	<0.075–300	2.0	2.4	64	67	133.4	0.53

[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, both connection sides piped
[2] Becker Lube: Synthetic Oil • Premium Synthetic Oil (PAO) • Food Grade Vacuum Pump Oil
- Gas ballast valve: vacuum 0.75 Torr with opened gas ballast valve; water vapour tolerance max. 5.25 Torr; water vapour capacity max. 0.119 U.S.gal./h (at 185°F operating temperature)

3~ Motors											
#	50 Hz					60 Hz					Version
	hp	V		rpm	A	hp	V		rpm	A	
01	2.0	Δ230/Y400	IE3	1420	6.4/3.7	2.4	Δ265/Y460 Δ230/Y400	IE3	1715 1675	6.4/3.7 6.9/4.0	UL(E365362) • CSA IP55 • ISO F • bimetal
02						2.4	YY230/Y460 YY208	IE3	1730 1705	6.8/3.4 7.0	UL(E365362) • CSA IP55 • ISO F • bimetal
03	2.0	Δ200/Y350		1440	7.4/4.3	2.4	Δ220/Y380-400 Δ200/Y350	IE3	1725 1705	7.3/4.2–4.0 7.6/4.4	UL(E365362) • CSA IP55 • ISO F • bimetal
04						2.4	Δ400/Y690	IE3	1715	4.2/2.4	UL(E365362) • CSA IP55 • ISO F • bimetal
05	2.0	Δ250/Y500	IE3	1430	5.2/3.0	2.4	Δ330/Y575	IE3	1715	5.3/3.1	UL(E365362) • CSA IP55 • ISO F • bimetal

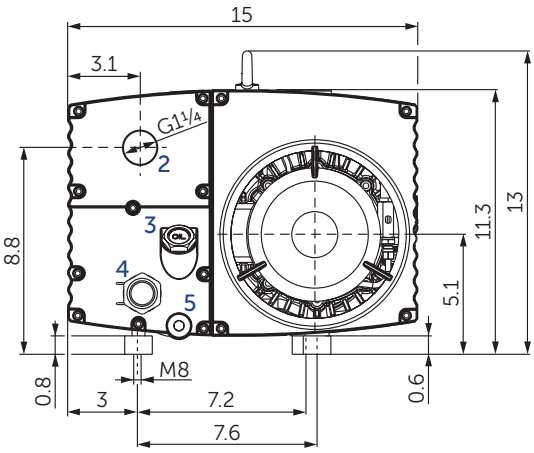
- Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.

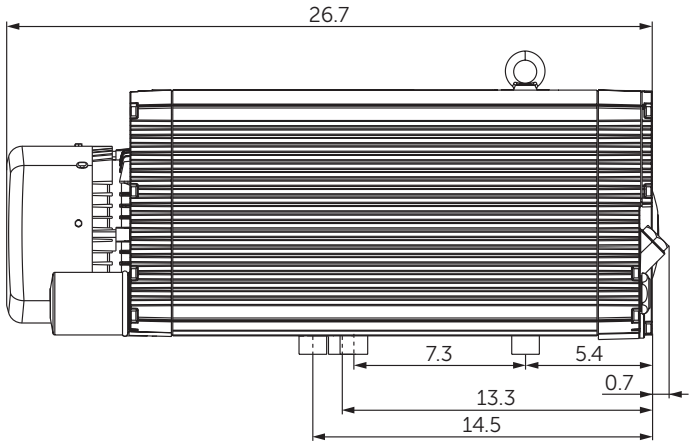


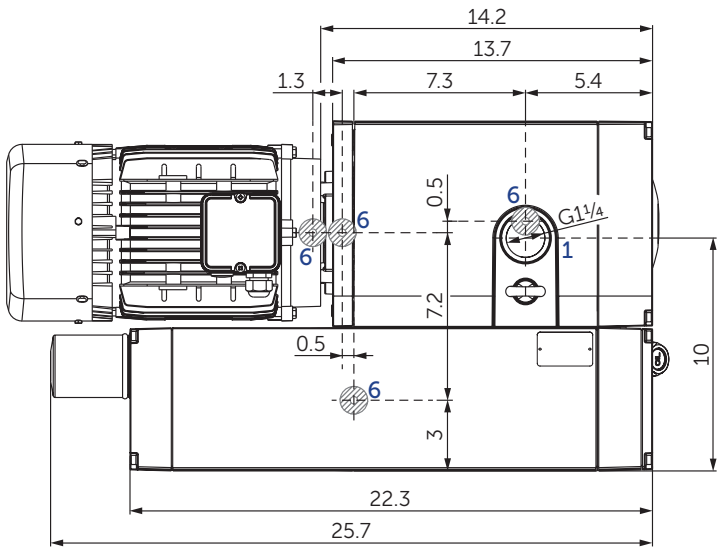
Suction air rate refers to the intake pressure
Reference data (atmosphere): 0 In. HgV / 760 Torr, 68°F; Tolerance: ±10%

VARIANTS AND ACCESSORIES

- **U 5.71 O2-PACK** [1] for packaging with an overconcentration of oxygen
- **U 5.71/0-62 XL** with enlarged oil tank and high efficient triple stage oil separation (motors and characteristic curves like standard pump)







U 5.71/0-62 XL

1 Vacuum connection (G1¼)
2 Exhaust air connection (G1¼)
3 Oil filler cap (G¾)
4 Oil sight glas (G1)
5 Screw pluGfor oil drain (G½)
6 Rubber buffer position

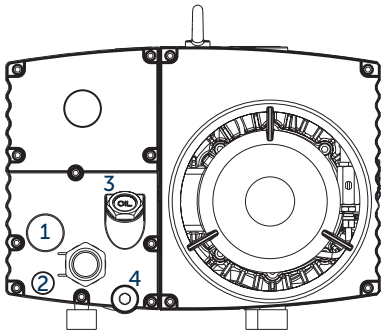
- incl. gas ballast valve, non-return valve, oil separator and oil filter
- The motor illustration may vary
- Dimensions in mm [inch]

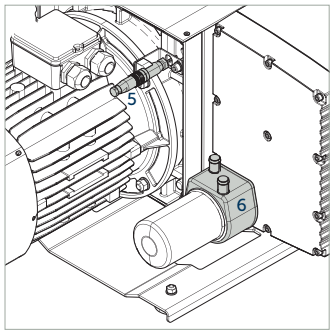
[1] See separate data sheet
- Combination options on request

ACCESSORIES

- External **suction filter** [1)]
- **Oil:** Becker Lube Synthetic Oil,Premium Synthetic Oil (PAO) and Food Grade Vacuum Pump Oil

1 **Oil level switch** [1)] (G1)
2 **Oil temperature monitor** [1)] (G½)
3 **Maintenance indicator** [1)] (G¾) for oil separating elements
4 **Ball valve** (G½), with locking and hose connector 19 mm [0.75 inch]
5 **Temperature sensor PT100**
6 **Water cooler U5.100-0-114.2** [1)]

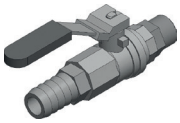





Oil level switch


Oil temperature monitor


Maintenance indicator


Ball valve

U 5.71 versions	Gas ballast valve		Threaded connector for exhaust air	Prepared for additional accessories (e.g. oil level switch; see above)
	Standard	for increased water vapour tolerance		
U 5.71/0-00	✓ vacuum 0.75 Torr with opened gas ballast valve; water vapour tolerance max. 5.25 Torr; water vapour capacity max. 0.119 U.S.gal./h (at 185°F operating temperature)			
U 5.71/0-01			✓ (G1¼)	
U 5.71/0-02				✓
U 5.71/0-03			✓ (G1¼)	✓
U 5.71/0-04		✓ vacuum 2.25 Torr with opened gas ballast valve; water vapour tolerance max. 27 Torr; water vapour capacity max. 0.29 U.S.gal./h (at 185°F operating temperature)		
U 5.71/0-05			✓ (G1¼)	
U 5.71/0-06				✓
U 5.71/0-07			✓ (G1¼)	✓

[1)] See separate data sheet
- Combination options on request

Right of modification reserved 2022-12-16

MAKE IT BECKER.