

DATA SHEET

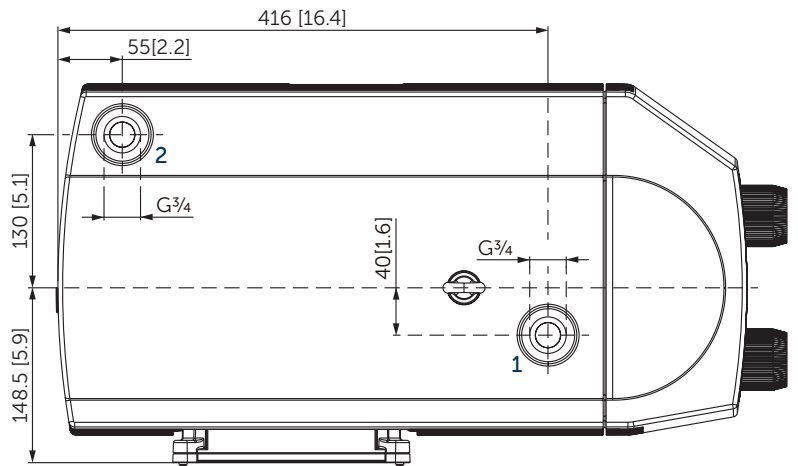
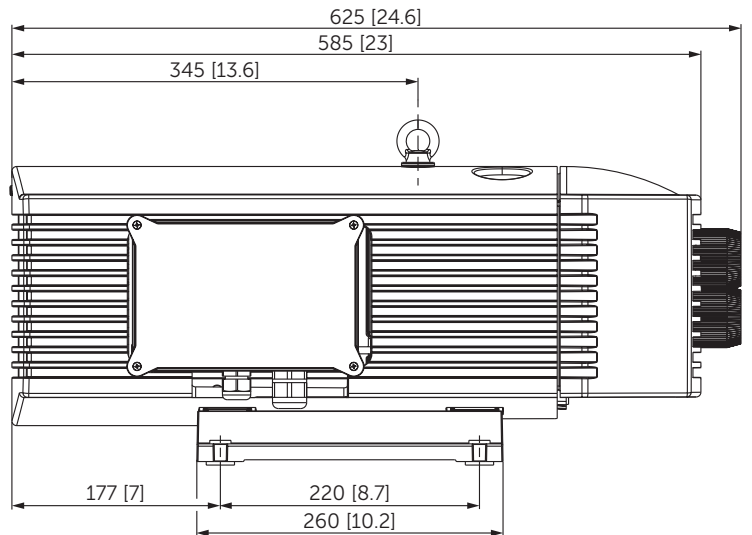
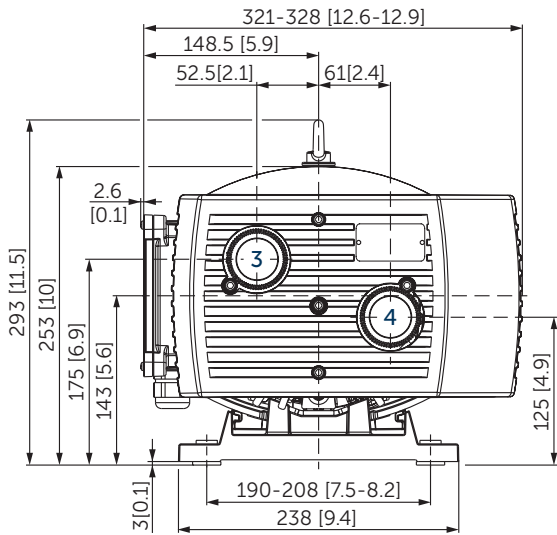
T 4.40 DSK

ROTARY VANE PRESSURE/VACUUM PUMPS

oil-free and air-cooled
with compressed air cooler

MAKE IT BECKER.





- 1 Vacuum connection (G^{3/4})
- 2 Pressure connection (G^{3/4})
- 3 Vacuum regulating valve
- 4 Pressure regulating valve
- Including integrated suction air filter and compressed air cooler
- The illustration of the terminal box may vary.
- Dimensions in mm [inch]

Air rate		Pressure/vacuum relative		Emission sound pressure level ¹⁾		Weight with motor ²⁾
m ³ /h		bar		dB(A)		kg
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
35	43	±0.6	±0.6	68	68	≈46–49.5

¹⁾ According to DIN EN ISO 3744 (KpA = 3 dB(A)), 1 m [39.4 inch] distance, at medium load, both connection sides piped

²⁾ Depending on the motor

3~ Motors										
#	50 Hz				60 Hz				Version	
	kW	V	rpm	A	kW	V	rpm	A		
01	1.85	Y400	IE3	1465	2.2	YY230/Y460	IE3	1760	7.6/3.8	UL (E113150) • CC046A IP55 • ISO F PTO bimetal 150°C
						YY208	IE3	1750	8.3	
						Y400		1745	4.3	
02	1.85	190–255/ 330–440		1420	8.1–9.5/ 4.7–5.5	2.2	190–290/ 330–500	1660	10.0–8.5/ 5.8–4.9	IP54 • ISO F • bimetal

1~ Motor										
#	50 Hz				60 Hz				Version	
	kW	V	rpm	A	kW	V	rpm	A		
01	1.7	230 ±10%	1380	11.0						IP54 • ISO F • bimetal 20 µF (400 V)
02					1.95	220 ±10%	1640	11.5		UL IP54 • ISO F 40 µF

- Current consumption and rotation speed may vary. Tolerance in each case -1.5/+2%

Air rates • power consumptions • temperatures											
relative pressure				relative vacuum							
				50 Hz				60 Hz			
				0 bar	-0.4 bar	-0.5 bar	-0.6 bar	0 bar	-0.4 bar	-0.5 bar	-0.6 bar
+0.4 bar	Suction air rate	m ³ /h		34.7	17.7	13.8	10.1	42.5	21.5	17.3	13.2
	Blast air rate	m ³ /h		34.3	26.2	23.6	20.7	42.3	30.9	27.6	24.5
	Power consumption	kW		1.09	1.33	1.38	1.43	1.45	1.75	1.78	1.87
	Temperature compressed air	°C		36	40	41	41	40	43	43	42
+0.5 bar	Suction air rate	m ³ /h		34.5	17.3	13.4	9.9	42.1	21.4	17	12.7
	Blast air rate	m ³ /h		33.9	25.6	23.1	20	41.9	30.7	27.2	23.8
	Power consumption	kW		1.13	1.4	1.48	1.53	1.53	1.82	1.87	1.95
	Temperature compressed air	°C		38	40	41	41	40	44	43	42
+0.6 bar	Suction air rate	m ³ /h		34.1	17.1	13.2	9.7	41.1	21.3	16.4	12
	Blast air rate	m ³ /h		33.4	25.1	22.7	19.2	41.1	30.4	26.5	23
	Power consumption	kW		1.22	1.48	1.54	1.6	1.57	1.9	1.97	2.05
	Temperature compressed air	°C		39	40	41	41	43	45	45	44

Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)

Tolerance: ±5%

Air temperature: 5°C ... 45°C (41°F ... 135°F)

VARIANTS AND ACCESSORIES

- **T 4.40 DV** without compressed air cooler, maximum ± 0.5 bar, lower motor power and overall dimensions¹⁾
- With external suction filter¹⁾
- Sound proof box SH 19¹⁾



Example for an external suction filter



Sound proof box SH 19

¹⁾ See separate data sheet

- Possible combinations on request



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