

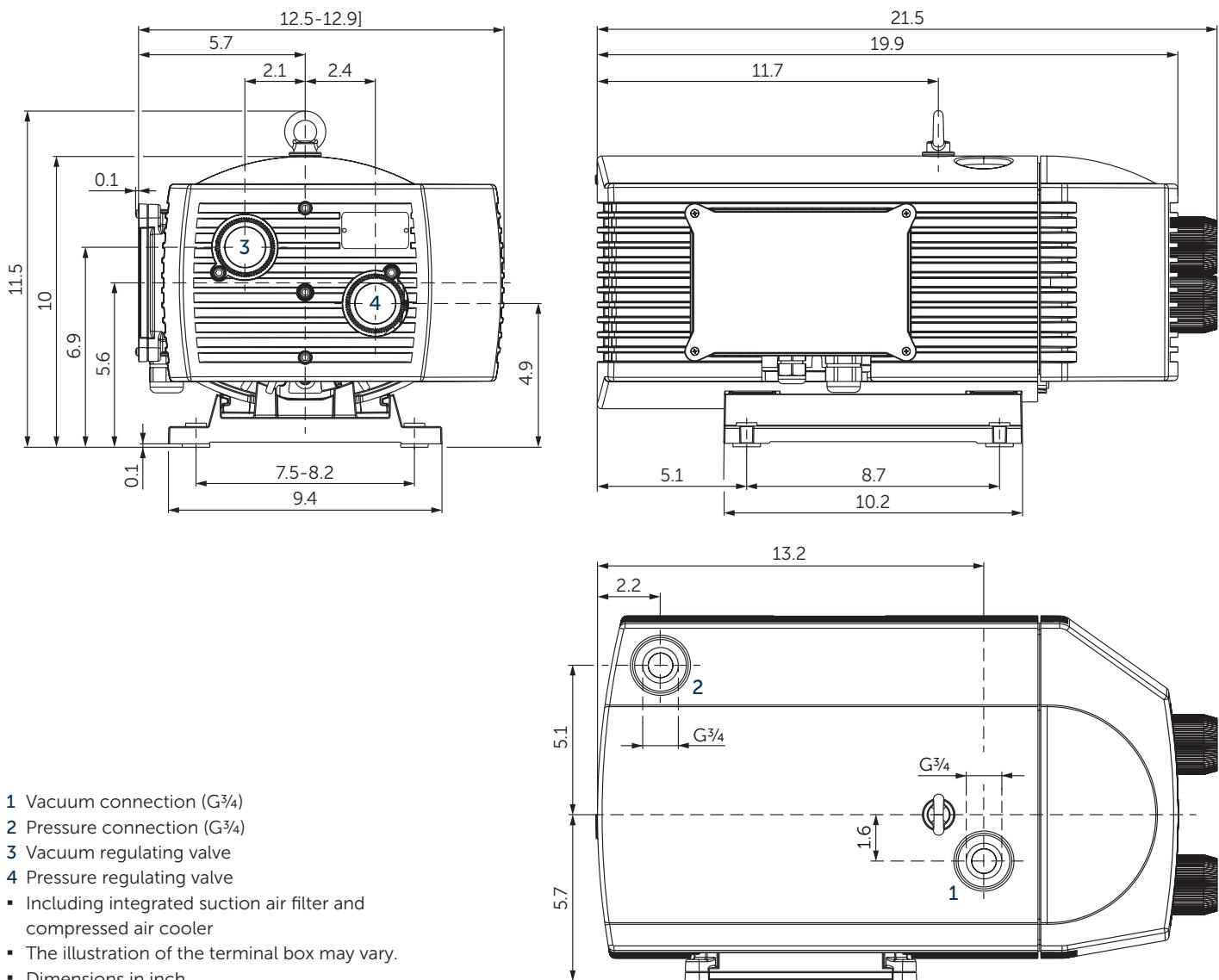
DATA SHEET

T 4.25 DSK ROTARY VANE PRESSURE/VACUUM PUMPS

oil-free and air-cooled
compressed air cooler

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1 Vacuum connection (G $\frac{3}{4}$)

2 Pressure connection (G $\frac{3}{4}$)

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 inch

Air rate		Pressure/vacuum		Emission sound pressure level ¹⁾		Weight with motor ²⁾
CFM 50 Hz	CFM 60 Hz	PSIG 50 & 60 Hz	in. HgV 50 & 60 Hz	dB(A) 50 Hz	dB(A) 60 Hz	lbs
14.7	17.6	8.7	18	69	69	~72.2–87.1

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

²⁾ Depending on the motor

3~ Motors												
#	50 Hz				60 Hz				Version			
	hp	V	rpm	A	hp	V	rpm	A				
01	1.5	Y400	IE3	1140	2.6	1.7	YY230/Y460 YY208 Y400	IE3	1735	5.0/2.5	UL (E113150) • CC046A	
02	1.5	190–255/ 330–440		1420	4.8–5.5/ 2.8–3.2	1.7	190–290/ 330–500		1690	6.2–4.9/ 3.6–2.8	IP54 • ISO F • bimetal	

1~ Motor												
#	50 Hz				60 Hz				Version			
	hp	V	rpm	A	hp	V	rpm	A				
01	1.5	230 ±10%	1350	7.6								IP54 • ISO F • bimetal
02					1.7	220–240	1740	8.6–8.35	UL • CSA IP54 • ISO F • bimetal			
03					1.1	115 ±10%	1660	13.0	UL (E252500) IP54 • ISO F			

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

Air rates • power consumptions • temperatures												
Pressure			Vacuum									
			50 Hz				60 Hz					
			0 in. HgV	12 in. HgV	15 in. HgV	18 in. HgV	0 in. HgV	12 in. HgV	15 in. HgV	18 in. HgV		
5.8 PSIG	Suction air rate	CFM	14.0	7.5	5.9	4.2	16.8	9.1	7.2	5.3		
	Blast air rate	CFM	14.9	11.8	10.9	10.2	18.1	13.8	12.7	11.6		
	Power consumption	hp	1.0	1.2	1.3	1.3	1.3	1.5	1.5	1.6		
	Temperature compressed air	°F	95.0	98.6	100.4	100.4	98.6	104.0	105.8	107.6		
7.25 PSIG	Suction air rate	CFM	13.8	7.4	5.8	4.2	16.8	9.1	7.2	5.3		
	Blast air rate	CFM	14.6	11.5	10.7	9.9	18.0	13.7	12.6	11.5		
	Power consumption	hp	1.0	1.3	1.3	1.4	1.4	1.6	1.6	1.7		
	Temperature compressed air	°F	96.8	100.4	102.2	102.2	100.4	105.8	107.6	109.4		
8.7 PSIG	Suction air rate	CFM	13.5	7.2	5.7	4.1	16.6	9.1	7.2	5.3		
	Blast air rate	CFM	14.4	11.3	10.5	9.7	17.9	13.6	12.5	11.4		
	Power consumption	hp	1.1	1.3	1.4	1.5	1.4	1.6	1.7	1.7		
	Temperature compressed air	°F	98.6	102.2	104.0	104.0	102.2	107.6	109.4	111.2		

Reference data (atmosphere): 0 PSIG (in. HgV), 68°F

Tolerance: ±5%

Air temperature: 41°F ... 135°F



VARIANTS AND ACCESSORIES

- **T 4.25 DV** without compressed air cooler, maximum 7.25 PSIG (15 in. HgV), 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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