

Technical Data		TRIVAC D 16 BCS-PFPE	TRIVAC D 25 BCS-PFPE	TRIVAC D 40 BCS-PFPE	TRIVAC D 65 BCS-PFPE
Rated pumping speed 50/60 Hz ¹⁾	m ³ x h ⁻¹ (dm)	18.9 (71.1) / 22.7 (73.4)	29.5 (77.4) / 35.4 (86.9)	48 (27) / 56 (32.5)	75 (44) / 90 (53)
Pumping speed 50/60 Hz ²⁾	m ³ x h ⁻¹ (dm)	16.5 (6.7) / 19.8 (11.7)	25.7 (15.1) / 30.8 (18.2)	40 (24) / 48 (28)	65 (38) / 78 (46)
Ultimate partial pressure without gas ballast ³⁾	mbar (Torr)		$\leq 8 \cdot 10^{-2}$ ($\leq 6 \times 10^{-2}$)		
Ultimate total pressure without gas ballast ³⁾	mbar (Torr)		$\leq 2 \cdot 10^{-2}$ ($\leq 1.5 \times 10^{-2}$)		
Ultimate total pressure with gas ballast ³⁾	mbar (Torr)		$\leq 5 \cdot 10^{-2}$ ($\leq 3.8 \times 10^{-2}$)		
Ultimate total pressure with refined gas ballast, 200 l x h ⁻¹ ³⁾	mbar (Torr)	$\leq 2 \cdot 10^{-2}$ ($\leq 1.5 \times 10^{-2}$)	$\leq 2 \cdot 10^{-2}$ ($\leq 1.5 \times 10^{-2}$)	—	—
Lubricant filling					
no. max.	l (qt)	0.45 / 1.0 (0.5 / 1.1)	0.6 / 1.4 (0.6 / 1.5)	1.5 / 2.5 (1.8 / 2.6)	2.0 / 3.5 (2.1 / 3.7)
oper. delivery	l (qt)	0.2 (0.2)	0.4 (0.4)	0.8 (0.8)	0.75 (0.8)
Noise level ⁴⁾ to DIN 45 625, without with gas ballast	dB(A)	52 / 54	52 / 54	57 / 58	57 / 58
Admissible ambient temperature	°C (°F)	12 ⁵⁾ - 40 (54 - 104)	12 - 40 (54 - 104)	12 - 40 (54 - 104)	12 - 40 (54 - 104)
Motor rating ⁶⁾	W (HP)	500 (0.75)	750 (1)	2200 (3)	2200 (3)
Rated speed 50/60 Hz	rpm			1500 / 1800	
Type of protection ⁶⁾	IP			54	
Weight ⁷⁾	kg (lbs)	27 (59.5)	33 (72.8)	71 (156.6)	80 (180)
Connections, Intake and Exhaust	DN	25 K7	25 K7	40 K7	40 K7

¹⁾ To DIN 38 405 and following numbers

²⁾ Weight, motor rating and noise levels for the pumps with 3-phase motor, 50 Hz, only

Any data that deviate from the above for pumps with other motors, and other motor-dependent data are given in section "Products", paragraph "Motor Dependent Data for the TRIVAC R, BCS and BCS-PFPE"

³⁾ Cold start temperature to DIN

⁴⁾ Global versions only. North and South American versions are TEFC



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