



Edwards mXDS-3

Technical Specifications

	Units	mXDS3	mXDS3s
VACUUM DATA			
Ultimate pressure with closed gas ballast	mbar	0.1	
Ultimate pressure with gas ballast (1 turn)	mbar	0.15	
Max pumping speed (50Hz)	m ³ h ⁻¹	3	
Max pumping speed (60Hz)	m ³ h ⁻¹	3.5	
Max permitted inlet pressure*	mbar	1000	
Typical initial pressure rise on power loss (no inlet valve, with no inlet or gas ballast flow)	mbar l	5	
MOTOR DATA			
Supply voltage	V	100 +/- 6% 1 phase	
		115 +/- 10% 1 phase	
		200 +/- 10% 1 phase	
		230 +/- 10% 1 phase	
Supply frequency	Hz	50/60	
Power consumption at ultimate	W	180	210
Mains connector		IEC EN60320 C13	
PHYSICAL DATA			
Weight	kg	7.8	8
Inlet connection		DN 16 ISO-KF	
Outlet connection		1/8" BSP for 6x8mm hose	1/8" BSP for 6x8 mm hose exhaust filter supplied
Noise level	dB(A)	54.0 ±2.5	
Vibration measured in plane of bearing	mms ⁻¹	Class 1C...<4.5 (rms radial)	
Leak tightness	mbar/l.s ⁻¹	1x10 ⁻⁴	
Overall dimensions (L x W x H)	mm	224 x 158 x 231	
Nominal rotational speed	Hz	3000 RPM @ 50 / 3600 RPM @ 60	
Ambient temperature range (operation)	°C	+5 to +40	

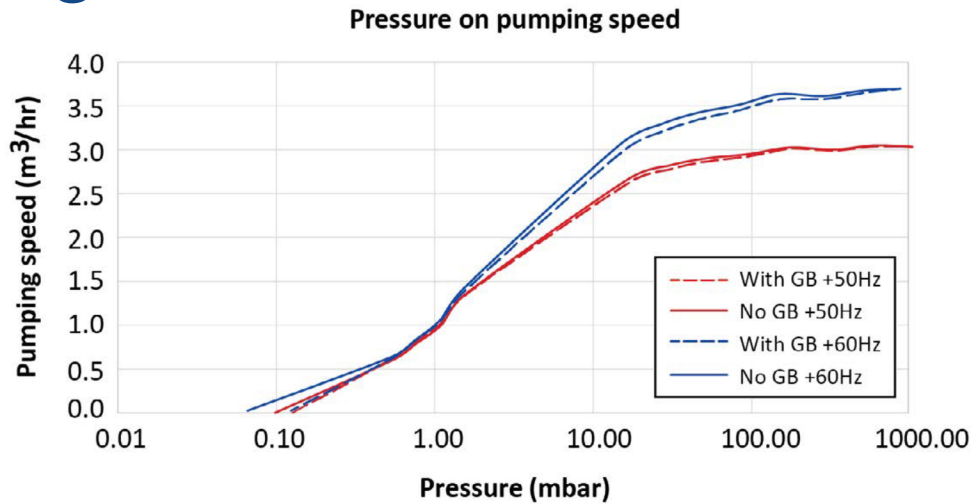
* These pumps are designed to pump down from atmospheric pressure, but prolonged operation at high inlet pressures may reduce bearing life.

* These pumps are intended to exhaust to atmospheric pressure. High exhaust pressure may reduce tip-seal life.

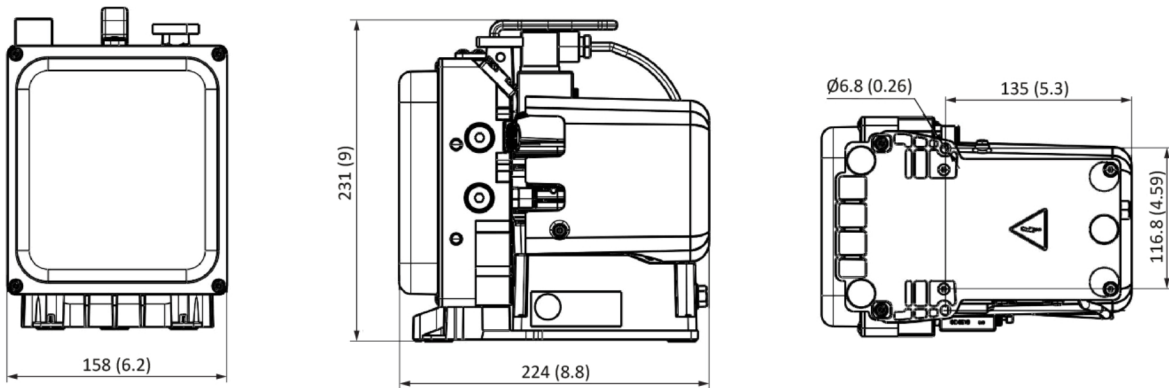
* Large volumes may be pumped, but prolonged operation at high inlet pressures may reduce bearing life.



Edwards mXDS-3 Pumping Curves



Dimensions



Features & Benefits

- dry pump; no oil or contamination
- compact, small footprint
- quiet operation, low noise level
- low maintenance; tip seal change about every 2 years