PROVAC SALES
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Edwards XDS-5, XDS-10

Technical Specifications

	XDS5	XDS10
Displacement		
50 Hz operation	5.7 m^3h^{-1} / 3.4 ft^3min^{-1}	11.3 m^3h^{-1} / 6.7 ft^3min^{-1}
60 Hz operation	6.7 m^3h^{-1} / 4.0 ft^3min^{-1}	13.4 m^3h^{-1} / 7.9 ft^3min^{-1}
Peak pumping speed		
50 Hz operation	4.8 m^3h^{-1} 2.8 ft^3min^{-1}	9.3 m^3h^{-1} 5.5 ft^3min^{-1}
60 Hz operation	6.0 m^3h^{-1} 3.5 ft^3min^{-1}	11.1 m^3h^{-1} 6.5 ft^3min^{-1}
Ultimate vacuum (total pressure)		
50 Hz	7×10^{-2} mbar / 5.3×10^{-2} Torr	
60 Hz	6×10^{-2} mbar / 4.5×10^{-2} Torr	
Inlet connection	NW25	
Outlet connection	NW25	
Maximum allowed outlet pressure	1.0 bar gauge	
Maximum allowed inlet and gas ballast pressure	0.5 bar gauge	
Maximum water vapor inlet pressure	50 mbar / 38 Torr	35 mbar / 23 Torr
Maximum water vapor pumping rate		
Gas ballast low flow	70 g h^{-1}	
Gas ballast high flow	>200 g h^{-1}	
Motor power	0.3 kW	
Motor voltages		
1-phase 50 Hz	110 V or 220-240 V	
1-phase 60 Hz	115-120 V or 230-240 V	
3-phase 50 Hz	200-220 V or 380-415 V	
3-phase 60 Hz	200-230 V or 460 V	
Operating temperature range	5 - 40 °C	
Weight	23 kg (51 lb)	24.5 kg (54 lb)
Noise	55 dB (A) @ 50 Hz	
Vibration	<4.5 mms^{-1} (rms)	
Leak tightness (static)	<10^{-6} mbar l s^{-1}	

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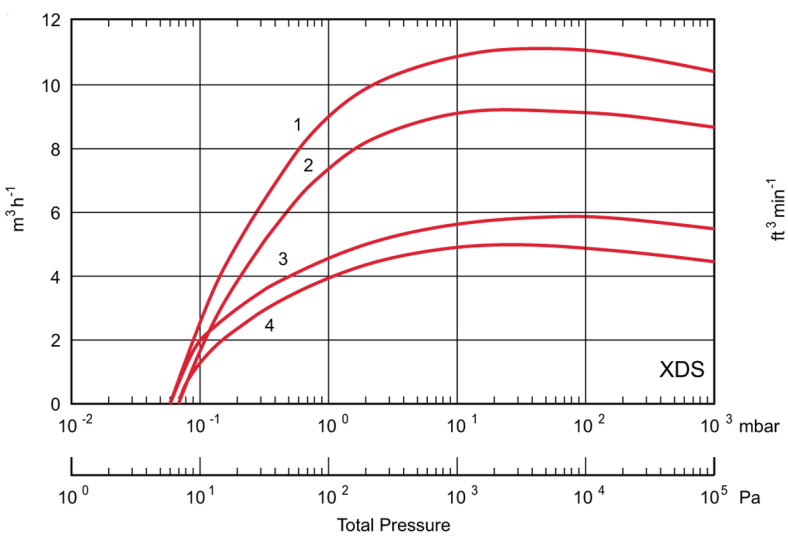
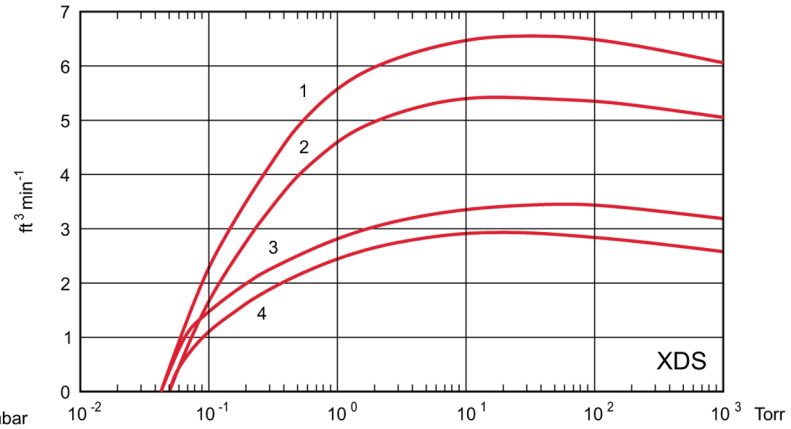
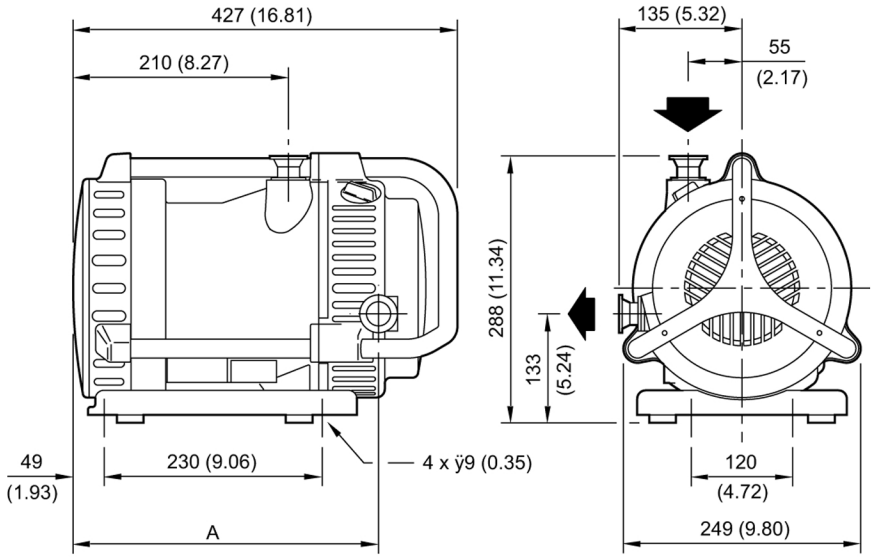
Pumping Speeds





1 60 Hz XDS10 **2** 50 Hz XDS10 **3** 60 Hz XDS5
4 50 Hz XDS5

Dimensions



Dimension reference A:
XDS10 = 315 mm
XDS5 = 297 mm

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Features & Benefits

- patented bearing shield
- simple, single-sided scroll design
- selectable gas ballast position
- pancake motor
- totally clean and dry vacuum

Applications

- automotive • beam lines and high energy physics • centrifuges, ultra-high speed coating • cryogenics • degassing/curing - oil, epoxy resin • distillation/extraction/filtration • freeze drying
- furnaces • gel drying • laboratory bench top vacuum • lasers, gas recovery and re-circulation • leak detectors, helium load locks and transfer chambers • rare gas re-circulation • rare gas recovery • refrigeration manufacture • research and development
- rotary, centirfugal evaporators • scanning electron microscopes - SEM • SEM/FIB (Ion beam repair) • solvent recovery • surface science instruments • turbomolecuar backing pumps