



Edwards E2M0.7, E2M1.5

Technical Specifications

	Hz	Units	E2M0.7	E2M1.5
Vacuum Data				
Peak pumping speed	50	m ³ h ⁻¹	0.75	1.6
	60	cfm	0.5	1.2
Ultimate pressure w/o gas ballast	50	mbar	3.0x10 ⁻³	3x10 ⁻³
	60	Torr	2.3x10 ⁻³	2.3x10 ⁻³
Ultimate pressure with gas ballast	50	mbar	2x10 ⁻¹	2.5x10 ⁻²
	60	Torr	1.5x10 ⁻¹	1.9x10 ⁻²
Ultimate pressure with Fomblin®	50	mbar		
	60	Torr		
Water vapour tolerance		mbar	15	15
		Torr	11	11
Water vapour capacity		g/h	8	16

	Hz	Units	E2M0.7	E2M1.5
Motor power	50	kW	0.09	0.16
	60	kW	0.09	0.16
Nominal rotation speed	50	rpm	1400	2800
	60	rpm	1700	3400
Power connector ⁽¹⁾			IEC EN60320 C13	

	Hz	Units	E2M0.7	E2M1.5
Weight		lb	22	
		kg	10	
Oil type (recommended)			Ultragrade 15	
Oil capacity (maximum)		litre	0.28	
Oil capacity (minimum)		litre	0.2	
Inlet flange			NW10	
Exhaust flange ⁽²⁾			Nozzle 11mm external Ø removable from 3/4 in BSP tapped hole	
Operating temperature range		°C	12-40	
Noise level at 50 Hz		dB(A)	43	54
Noise with acoustic enclosure ⁽³⁾		dB(A)	36	47

(1) pumps listed with IEC connector only

(2) PFPE variants are supplied with NW25 outlet connection

(3) approx. noise reduction 7 dB(A)



PROVAC

SALES

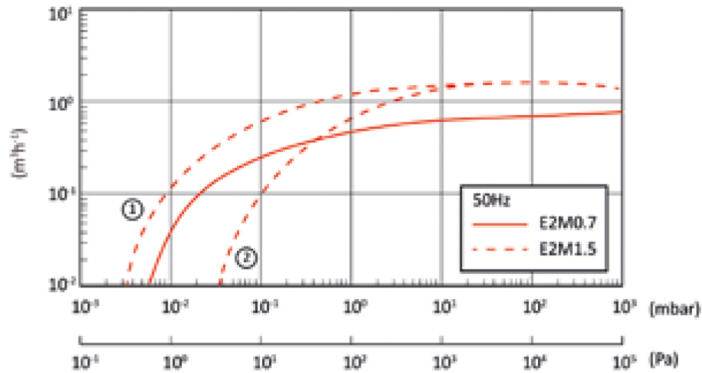
PHONE: 831-462-8900

FAX: 831-462-3536

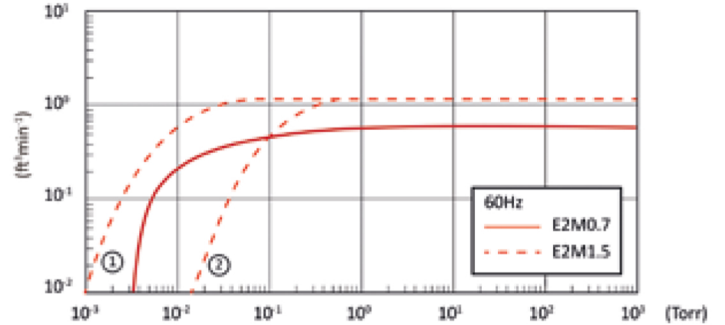
WWW.PROVAC.COM

Edwards E2M0.7, E2M1.5 Pumping Curves

50Hz

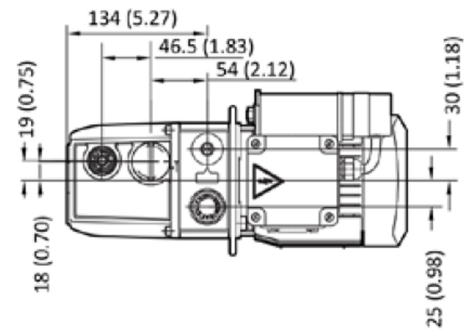
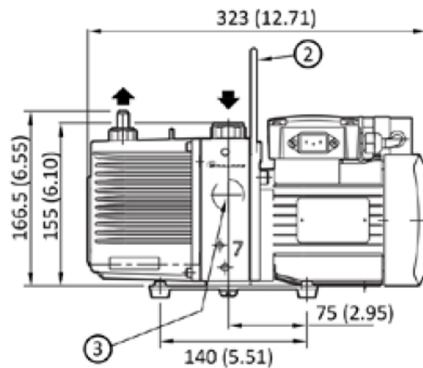
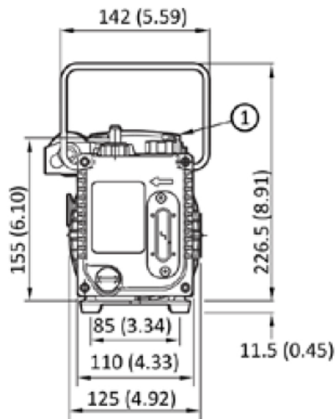


60Hz

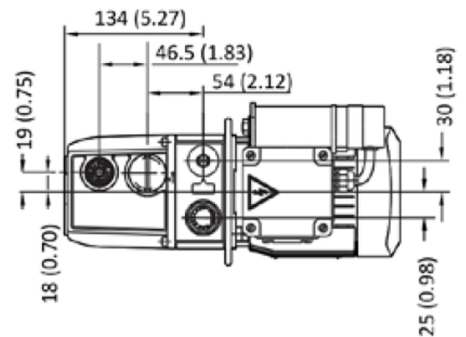
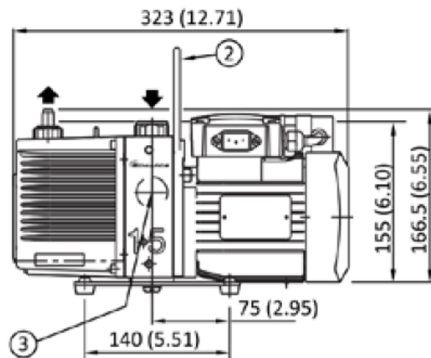
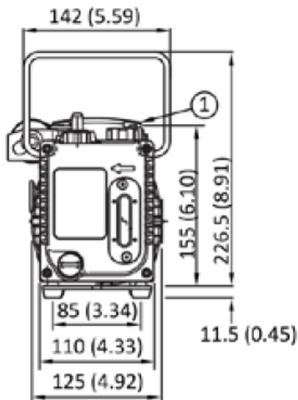


Dimensions

E2M0.7



E2M1.5





PROVAC

SALES

PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

Edwards E2M0.7, E2M1.5 Features & Benefits

- two stage oil sealed vane pump
- high ultimate vacuum. rapid pumping speeds
- oil distribution valve prevents suckback
- pressurized oil system lubricates the pump shaft bearing surfaces & rotor sealing faces

Applications

- analytical instruments • laboratory bench top vacuum • helium leak detectors • research & development • backing turbo pumps

