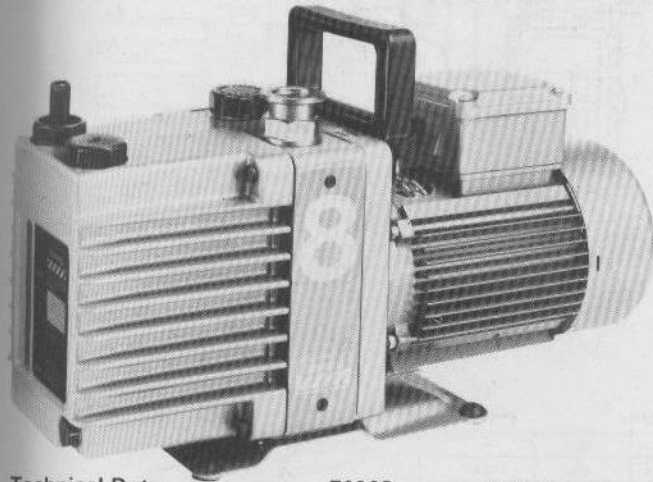
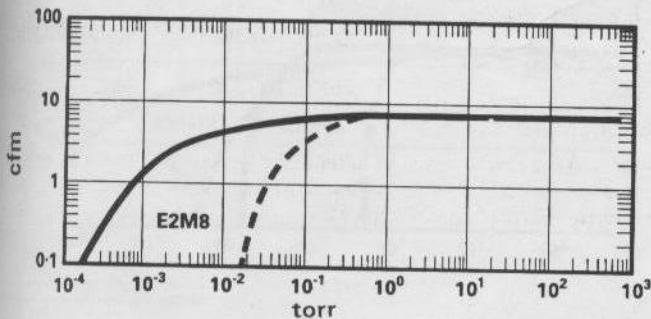


# EDWARDS

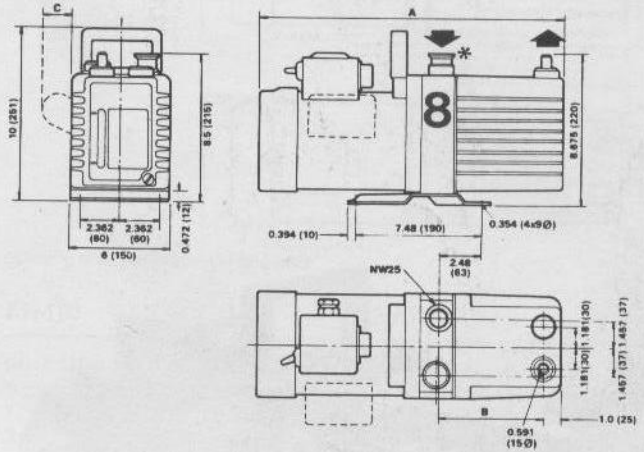
E1M8 single stage  
E2M8 double stage  
Standard and hermetically  
sealed (HS) versions  
11.4 m<sup>3</sup>h<sup>-1</sup>, 6.7 ft<sup>3</sup>min<sup>-1</sup>, 190 l min<sup>-1</sup>



Technical Data	E1M8	E2M8
Displacement (swept volume) 60 Hz	6.7 cfm	6.7 cfm
Speed (Pneurop) 60 Hz	5.8 cfm	5.8 cfm
Ultimate vacuum without gas ballast (partial pressure)	$2.25 \times 10^{-3}$ torr	$0.75 \times 10^{-5}$ torr
without gas ballast (total pressure)	—	$0.75 \times 10^{-4}$ torr
with gas ballast (partial pressure)	1.5 torr	$2.25 \times 10^{-2}$ torr
Inlet connection	NW25 flange with 15 mm nozzle alternative	
Outlet connection	Nozzle 15 mm external diameter. Hole tapped $\frac{3}{8}$ in BSP	
Maximum inlet pressure for water vapor	34 torr	11 torr
Maximum water vapor pumping rate	0.59 lb h <sup>-1</sup>	0.22 lb h <sup>-1</sup>
Weight	44 lb	50 lb
Motor 50 Hz	0.37 kW	0.37 kW
Motor 60 Hz	0.37kW	0.37 kW
Oil capacity—maximum	0.6 liter	0.55 liter
minimum	0.43 liter	0.43 liter
Casing leak tightness (E2M8HS only)	—	< $10^{-6}$ torr ls <sup>-1</sup>
Recommended Edwards oil	Supergrade A	



--- with gas ballast  
— without gas ballast



E1M8				
ph	Hz	A	B	C
1	50/60	17.0	5.16	—
3	60	16.6	5.16	—
1	60	17.8	5.16	1.8

E2M8				
ph	Hz	A	B	C
1	50/60	18.0	6.0	—
3	60	17.5	6.0	—
1	60	18.5	6.0	1.8

Product description	E1M8	E2M8
	Ordering number	Ordering number
Pump 115 or 230 V		
1.ph 50/60 Hz	A342-01-980	A362-02-980
Pump 208/230/460 V		
1.ph 50/60 Hz*	A342-01-982	A362-02-982
Vibration isolators (set of four)	A248-01-404	A248-01-404

(Supergrade A, NW O-ring and centring ring, inlet nozzle, two Allen keys and spare seals for oil drain and filler plugs supplied with each pump)

Exchange/replacement service available  
\*To IP22 safety standard

## Spares

Maintenance kit comprising blades, springs, seals gaskets, filters and washers	A342-01-800	A362-01-800
HS version of above	—	A362-05-800
Seals kit (E1M8 and E2M8)	A341-01-820	A341-01-820
Seals kit (E2M8HS)	A341-05-820	A341-05-820
NW25 centring ring and O-ring	C105-14-396	C105-14-396
NW25 O-ring (pack of five)	H021-24-035	H021-24-035

## Accessories

A comprehensive range of filters, protection devices and other accessories is detailed on pages 32 to 43  
For rotary pump oils see page 195