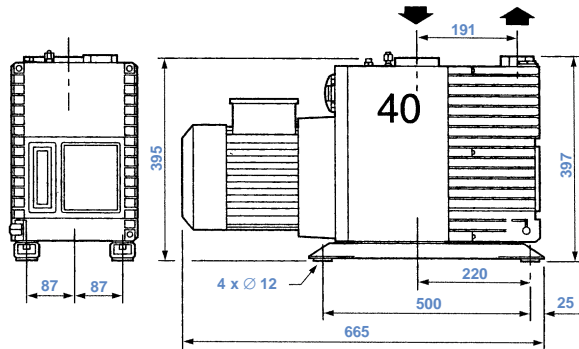


## E1M40 Single Stage and E2M40 Two Stage Vacuum Pumps



All dimensions in millimeters

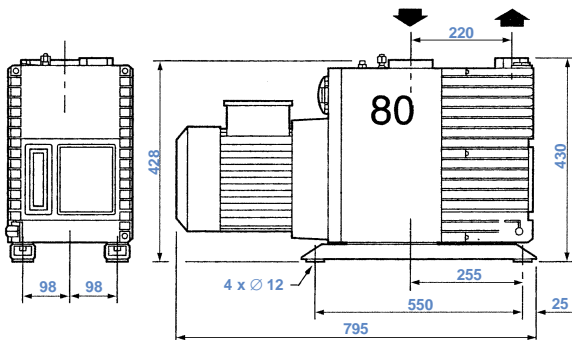


Part No.	Displacement cfm	Price
A344-01-935	E1M40 pump, 220-240V*	
A364-01-935	E2M40 pump, 220-240V*	
A462-03-000	MF100 outlet mist filter	
A344-01-131	Clean and Overhaul kit	
A344-01-050	Blade kit E1M40	
A364-01-050	Blade kit E2M40	

\*NW-40 'O'-ring and centering ring, ISO 40 'C' clamp, bolts, washers, 28mm external diameter coupling tube and compression sleeve for outlet, ISO 25 'C' clamp, bolts and washers supplied with each pump. No oil supplied.

Technical Data	E1M40	E2M40
Number of Stages	1	2
Displacement (swept volume) 60 Hz	29.7 ft <sup>3</sup> min <sup>-1</sup> (50.5 m <sup>3</sup> h <sup>-1</sup> )	
Speed (Pneurop 6602) 60 Hz	25.9 ft <sup>3</sup> min <sup>-1</sup> (44 m <sup>3</sup> h <sup>-1</sup> )	
Ultimate vacuum (partial pressure) gas ballast closed	3.8 x 10 <sup>-2</sup> torr (5 x 10 <sup>-2</sup> mbar)	7.5 x 10 <sup>-5</sup> torr (1 x 10 <sup>-4</sup> mbar)
with gas ballast	3 x 10 <sup>-1</sup> torr (4 x 10 <sup>-1</sup> mbar)	3.8 x 10 <sup>-3</sup> torr (5 x 10 <sup>-3</sup> mbar)
Inlet connection	ISO40	
Outlet connection	25 mm flange suitable for NW25	
Maximum permitted pressure at outlet	7 psig (0.5 bar gauge)	
Maximum inlet pressure for water vapor	30 torr (40 mbar)	5.3 torr (7 mbar)
Maximum water vapor pumping rate	1.1 kgh <sup>-1</sup>	0.20 kgh <sup>-1</sup>
Weight	155 lbs (70.5 kg)	159 lbs (72 kg)
Motor power 60 Hz	2 hp (1.5 kW)	2 hp (1.5 kW)
Oil Capacity – maximum	4.6 liter	4.07 liter
minimum	2.2 liter	2.2 liter

## E1M80 Single Stage and E2M80 Two Stage Vacuum Pumps



All dimensions in millimeters



Part No.	Displacement cfm	Price
A345-02-982	E1M80 pump, 208-230V*	
A365-02-982	E2M80 pump, 208-230V*	
A462-03-000	MF100 outlet mist filter	
A345-01-131	Clean and Overhaul kit	
A345-01-050	Blade kit E1M80	
A365-01-050	Blade kit E2M80	

\*NW-40 'O'-ring and centering ring, ISO 40 'C' clamp, bolts, washers, 28mm external diameter coupling tube and compression sleeve for outlet, ISO 25 'C' clamp, bolts and washers supplied with each pump. No oil supplied.

Technical Data	E1M80	E2M80
Number of Stages	1	2
Displacement (swept volume) 60 Hz	56.5 ft <sup>3</sup> min <sup>-1</sup> (96 m <sup>3</sup> h <sup>-1</sup> )	
Speed (Pneurop 6602) 60 Hz	53 ft <sup>3</sup> min <sup>-1</sup> (90 m <sup>3</sup> h <sup>-1</sup> )	
Ultimate vacuum (partial pressure) gas ballast closed	3.8 x 10 <sup>-2</sup> torr (5 x 10 <sup>-2</sup> mbar)	7.5 x 10 <sup>-5</sup> torr (1 x 10 <sup>-4</sup> mbar)
with gas ballast	3 x 10 <sup>-1</sup> torr (4 x 10 <sup>-1</sup> mbar)	3.8 x 10 <sup>-3</sup> torr (5 x 10 <sup>-3</sup> mbar)
Inlet connection	ISO40	
Outlet connection	25 mm flange suitable for NW25	
Maximum permitted pressure at outlet	7 psig (0.5 bar gauge)	
Maximum inlet pressure for water vapor	22.5 torr (30 mbar)	3.8 torr (5 mbar)
Maximum water vapor pumping rate	1.7 kgh <sup>-1</sup>	0.30 kgh <sup>-1</sup>
Weight	210 lbs (95 kg)	231 lbs (105 kg)
Motor power 60 Hz	4 hp (3 kW)	4 hp (3 kW)
Oil Capacity – maximum	7 liter	6.37 liter
minimum	4 liter	4 liter