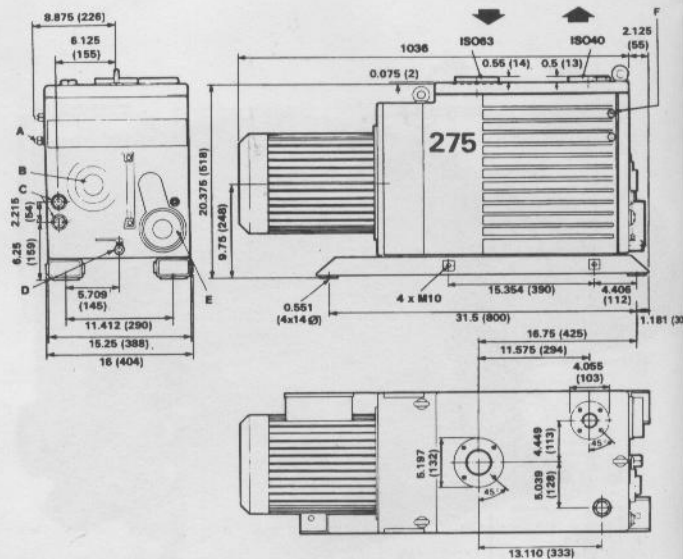
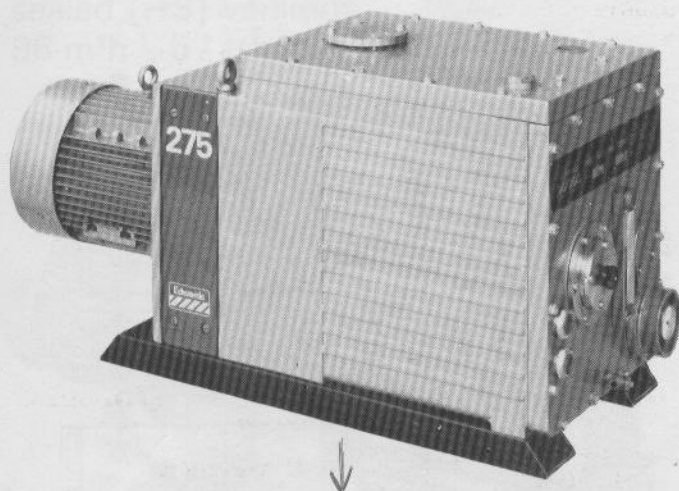


# EDWARDS

E1M275 single stage  
E2M275 double stage  
350 m<sup>3</sup>h<sup>-1</sup>, 210 ft<sup>3</sup>min<sup>-1</sup>, 5945 l min<sup>-1</sup>

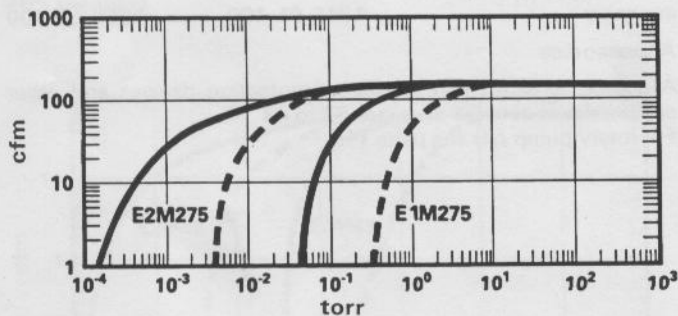


- A Union for oil return connection from oil mist filter
- B Gas ballast control valve
- C Water connections (tapped  $\frac{3}{8}$  in BSP)
- D Oil drain tap (tapped  $\frac{1}{2}$  in BSP)
- E Oil filter mounting plate (allow 330 mm to withdraw filter from pump)
- F Oil pressure take-off (tapped  $\frac{1}{2}$  in BSP)

## Technical Data

	E1M275	E2M275
Displacement (swept volume) 60 Hz	210 cfm	210 cfm
Speed (Pneurop) 60 Hz	180 cfm	180 cfm
Ultimate vacuum (partial pressure)		
without gas ballast	$3.75 \times 10^{-2}$ torr	$0.75 \times 10^{-5}$ torr
with gas ballast	$3 \times 10^{-1}$ torr	$3.75 \times 10^{-3}$ torr
Inlet connection	ISO 63 blank flange with Co-Seal	
Outlet connection	ISO 40 flange centre tapped $1\frac{1}{2}$ in BSP	
Maximum inlet pressure for water vapor	38 torr	9 torr**
Maximum water vapor pumping rate	20.2 lb h <sup>-1</sup>	5.1 lb h <sup>-1</sup>
Recommended cooling water flow at 20°C	120 l h <sup>-1</sup>	120 l h <sup>-1</sup>
Weight	484 lb	495 lb
Motor 60 Hz 4-pole	8.5 kW	8.5 kW
Oil capacity		
(std) —maximum	28 liters	28 liters
—minimum	19 liters	19 liters
(PFPE)—maximum	—	18 liters
—minimum	—	7 liters
Recommended Edwards oil		Supergrade A

\*\*Fitted with thermostatic control valve



--- with gas ballast  
— without gas ballast

Product description	E1M275 Ordering number	E2M275 Ordering number
Pump 220–240 V or 380–415 V 3.ph 50 Hz	A347-01-935	A367-01-935
PFPE version	—	A367-11-982F
Pump 230 V or 460 V 3 ph 60 Hz	A347-03-982	A367-03-982
Vibration isolators (set of four)	A248-01-406	A248-01-406
(No. 15 oil supplied with each pump)		
<b>Spares</b>		
Maintenance kit comprising blades, springs, seals, gaskets, filters and washers	A347-01-800	A367-01-800
Seals kit	A347-01-820	A367-01-820
Complete interior assembly	A347-01-100	A367-01-100

## 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