

# EM SERIES ROTARY VANE PUMP



EM series pumps are rugged mechanical oil sealed pumps with capacity ranging from 30 to 206 CFM (40 to 275 m<sup>3</sup>/hr). Compact and quiet, they feature advanced lubrication circuits, high reliability and accessories to suit specific application needs.

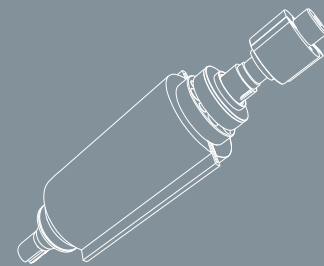
EM pumps are available to be configured with a variety of vacuum booster pumps. Information on boosters can be found in this brochure - speak with Edwards about system configurations.

## PRODUCT FEATURES

**RELIABLE AND STABLE PROCESS**  
Effective lubrication even under high gas loads

**PROTECTION FROM CONTAMINATION OF PROCESS**  
Oil and air suck-back

**PEACE OF MIND**  
Tried, tested - the industry standard for years



## Technical Specifications

	Maximum Pumping Speed				Ultimate vacuum		Noise level dB(A)	Motor power			
	50 Hz		60 Hz		mbar	Torr		50 Hz		60 Hz	
	m <sup>3</sup> /hr	cfm	m <sup>3</sup> /hr	cfm					50 Hz	Hp	kW
E2M40	37	21.8	44	25.9	1x10 <sup>-3</sup>	7.7x10 <sup>-4</sup>	65	1.1	1.5	1.5	2
E2M80	74	43.6	90	53	1x10 <sup>-3</sup>	7.7x10 <sup>-4</sup>	70	2.2	3	3	4
E2M175	160	94	196	115	1x10 <sup>-3</sup>	7.7x10 <sup>-4</sup>	75	5.5	7.5	6.5	8.5
E2M275	255	150	306	180	1x10 <sup>-3</sup>	7.7x10 <sup>-4</sup>	75	7.5	10	8.5	11

## Dimensions

	Length		Width		Height		Inlet connection size	Outlet connection size
	mm	in	mm	in	mm	in		
E2M40	690	27.12	240	9.45	395	15.55	ISO40	25mm flange (suitable for NW25)
E2M80	815	32.09	266	10.47	429	16.89	ISO40	25mm flange (suitable for NW25)
E2M175	1140	44.88	388	15.28	519.5	20.45	ISO63 blank flange with seal	ISO40 flange center tapped
E2M275	1185	46.65	388	15.28	519.5	20.45	ISO63 blank flange with seal	ISO40 flange center tapped