

## BOC Edwards Vacuum Pump Specifications (continued)

Product	E2M18	E2M30	E1M40	E2M40	E1M80	E2M80
<b>Displacement @ 60Hz, ft<sup>3</sup>min<sup>-1</sup> (m<sup>3</sup>h<sup>-1</sup>)</b>	14.7 (25.0)	22.3 (38.9)	29.7 (50.5)	29.7 (50.5)	56.5 (96)	56.5 (96)
<b>Speed (Pneurop) @ 60Hz, ft<sup>3</sup>min<sup>-1</sup> (m<sup>3</sup>h<sup>-1</sup>)</b>	12 (20.4)	19.5 (33.0)	25.9 (44)	25.9 (44)	53 (90)	53 (90)
<b>Number of Stages</b>	2	2	1	2	1	2
<b>Ultimate vacuum mbar</b>						
gas ballast closed	1 x 10 <sup>-3</sup>	1 x 10 <sup>-3</sup>	5 x 10 <sup>-2</sup>	1 x 10 <sup>-4</sup>	5 x 10 <sup>-2</sup>	1 x 10 <sup>-4</sup>
gas ballast open	1.5 x 10 <sup>-2</sup>	1.5 x 10 <sup>-2</sup>	4 x 10 <sup>-1</sup>	5 x 10 <sup>-3</sup>	4 x 10 <sup>-1</sup>	5 x 10 <sup>-3</sup>
<b>Max. water vapor pumping rate kgh<sup>-1</sup></b>	0.3	0.7	0.2	1.7	1.7	0.3
<b>Inlet connection</b>	NW25	NW25	ISO40	ISO40	ISO40	ISO40
<b>Outlet connection</b>	15 mm nozzle	15 mm nozzle	25 mm flange	25 mm flange	25 mm flange	25 mm flange
<b>Weight lb. (kg.)</b>	79 (36)	87 (40)	135(70.5)	159 (72)	210 (95)	231 (105)
<b>Motor power hp (kW)</b>	1 (0.75)	1.25 (0.9)	2 (1.5)	2 (1.5)	4 (3.0)	4 (3.0)
<b>Oil capacity (litre) max.</b>	1.05	1.5	4.6	4.6	6.3	6.3
<b>Oil Capacity (litre) min.</b>	0.75	1.2	2.2	2.2	4.0	4.0
<b>Accessories and Repair Kits</b>						
<b>Oil Mist Filter</b>	EMF20	MF30	MF100	MF100	MF100	MF100
<b>Clean and Overhaul Kit</b>	A363-01-131	A373-01-131	A344-01-131	A344-01-131	A345-01-131	A345-01-131
<b>Blade Kit</b>	A363-01-020	A373-01-135	A344-01-050	A364-01-050	A345-01-050	A365-01-050

## BOC Edwards Vacuum Pump Dimensions (mm)

PUMP	A	B	C	D	E	F	G	H	J	K	L	M
E2M1.5	320	142	154	-	-	65	140	85	-	-	28.5	226
RV3	430	158	221	127	29	78	230	120	69	42	19	-
RV5	430	158	221	127	29	78	230	120	69	42	19	-
RV8	470	158	221	161	35	78	230	120	69	42	19	261
RV12	470	158	221	181	35	78	230	120	69	42	19	261
E1M18/E2M18	563	170	242	207	25	-	260	150	82	42	12	254
E2M30	597	180	252	241	25	-	347	120	82	46	25	276
E1M40/E2M40	665	-	397	191	54	220	500	174	-	-	-	-
E1M80/E2M80	795	-	430	220	89	255	550	196	-	-	-	-

