

Pumps, Vacuum

Vacuum Pumps



Vacuum Pump, E2M0.7

Two stage, direct drive, rotary vacuum pump. Ultimate vacuums attainable: 3×10^{-3} mbar without gas ballast, 2×10^{-1} mbar with gas ballast. Displacement 0.9m³/hour (50Hz) 1.1m³/hour (60Hz). Vacuum outlet connection 11mm diameter. Supplied with nozzles and Ultragrade 15 oil charge, but without mains lead (requires PY334-for operation). Overall H x W x L 227 x 323 x 125mm. Weight 10kg. For 220-240V 50/60Hz single phase supplies.

PY310-05 E2M0.7

PY334-12 Mains lead without plug

Vacuum Pump, E2M1.5

Two stage, direct drive, rotary vacuum pump. Ultimate vacuums attainable: 3×10^{-3} mbar without gas ballast, 2.5×10^{-2} mbar with gas ballast. Displacement 1.8m³/hour. Vacuum outlet connection 11mm diameter. Supplied with nozzles, spare seals and Ultragrade 15 oil charge. Without mains lead (requires PY334-for operation). Overall H x W x L 227 x 323 x 125mm. Weight 10kg. For 220-240V 50/60Hz single phase supplies.

PY310-10 E2M1.5

PY334-12 Mains lead without plug

Spares and accessories for E2M0.7 and E2M1.5 – see opposite page.



PY310-05



PY310-10



PY330 series

Vacuum Pumps, RV Series

A series of two-stage, direct drive rotary vane pumps which are dual mode. Adjustment of a single control allows the pumps to be set for:

- High vacuum mode with ultimate vacuum up to 2×10^{-3} mbar
- High throughput mode to handle inlet pressures up to 80mbar

Other features include:

- ◆ Two levels of gas ballast
- ◆ Improved water vapour handling capability
- ◆ Suck back protection
- ◆ Quiet running
- ◆ Sight-glass to check oil level
- ◆ Dual voltage and frequency

Catalogue No.		PY330-10	PY330-20	PY330-30	PY330-40
Model		RV3	RV5	RV8	RV12
High vacuum mode mbar		2×10^{-3}	2×10^{-3}	2×10^{-3}	2×10^{-3}
Ultimate vacuum					
High throughput mode mbar		3×10^{-2}	3×10^{-2}	3×10^{-2}	3×10^{-2}
Ultimate vacuum					
Displacement, 50Hz	m ³ /h	3.7	5.1	8.5	12.0
60Hz	m ³ /h	4.5	6.2	10.0	14.2
Max. water vapour inlet pressure	mbar	80	50	50	32
Max. water vapour pumping rate	kg/h	0.22	0.22	0.22	0.29
Inlet/Outlet connection		NW25	NW25	NW25	NW25
Oil capacity	litres	0.7	0.7	0.75	1.0
Recommended oil		Edwards Ultragrade 19 — all models			
Overall H x W x D	mm	225 x 158 x 429	225 x 158 x 429	261 x 158 x 471	261 x 158 x 489
Weight	kg	22	22	27	29

Note: 1mbar = 0.75 torr = 0.75 Hg.

Vacuum Pumps, RV series

As described. With direct drive motor. For 110-120V and 220-240V 50/60Hz single phase supplies. Supplied with Ultragrade 19 oil charge but without mains lead.

- PY330-10** RV3
- PY330-20** RV5
- PY330-30** RV8
- PY330-40** RV12

Accessory mains leads

With IEC60320 connector and plug as indicated for use with Edwards pumps, PY250/PY350 series.

- PY334-12** Mains lead without plug
- PY334-14** With UK plug
- PY334-18** With European Schuko plug

Ultragrade 19 oil – see next page.