



SEMICONDUCTOR



GENERAL
VACUUM



PHOTOVOLTAIC



EV - M

THE FLEXIBLE STRONG

Water cooled EV-M for harsh processes
and reduced emissions



The EV-M with its multi-stage lobe design is ideally used for harsh duty applications. It has a higher H2 pumping speed compared to screw type vacuum pumps. Additional energy savings due to the idle mode. Powerful with low energy demands.

BENEFITS

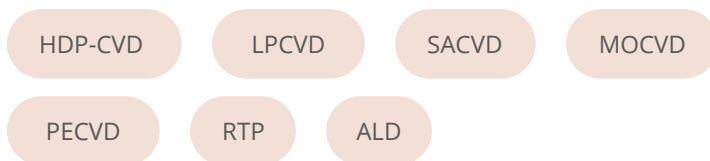
- High energy saving
- At point heating
- Multi-stage lobe design
- High flexibility
- Intelligent control system
- Small footprint to save fab space



| Models | EV-M20N | EV-M102N | EV-M202N | EV-M302N | EV-M502N | EV-M802N | EV-M1202N | |
|--|-------------------------|----------|----------|----------|----------|----------|-----------|-------|
| Max pumping speed in l/min | 1,800 | 10,000 | 20,000 | 30,000 | 50,000 | 80,000 | 110,000 | |
| Max pumping speed in m ³ /h | 108 | 600 | 1,200 | 1,800 | 3,000 | 4,800 | 6,600 | |
| Ultimate pressure Pa | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | |
| Power at ultimate pressure in kW | 1.2 | 1.8 | 1.9 | 2.3 | 2.1 | 2.8 | 5.3 | |
| Cooling requirements | water cooling | | | | | | | |
| Noise emission dB(A) | 56 | 56 | 62 | 63 | 63 | 63 | 64 | |
| Size in mm | L | 820 | 810 | 961 | 1,015 | 1,140 | 1,289 | 1,240 |
| | W | 370 | 380 | 380 | 485 | 630 | 640 | 630 |
| | H | 620 | 922 | 1,000 | 1,040 | 1,105 | 1,084 | 1,044 |
| Weight in kg | 170 | 320 | 360 | 400 | 500 | 740 | 870 | |
| Application form | harsh duty applications | | | | | | | |

All data without guarantee.

APPLICATIONS FOR EV-M



APPLICATIONS RANGE



For further information, technical data or drawings please contact  components@ebara-pm.eu

EBARA is a worldwide leading global manufacturer of vacuum and semiconductor systems used in the production of wafers, liquid crystals, solar cells and other products requiring advanced technology.

EBARA supports



EBARA Precision Machinery Europe (EPME) is part of the Japanese EBARA Group and employs approximately 150 people in Europe. The portfolio includes dry and turbo molecular vacuum pumps as well as gas abatement systems. In addition, EPME sells state-of-the-art CMP tools, wafer bevel polishing and substrate coating systems. In Europe, EPME has a central warehouse and an overhaul centre for vacuum pumps.

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