

DRY VACUUM PUMPS

EBARA's energy-saving dry vacuum pumps are used for many different applications

Model EV- M

Model EV-M are designed for harsh condensable processes, featuring compact size and energy efficient pumps.

Model ○○○ in this site is our model code



Model EV-M is designed for harsh-duty applications where large volumes of by-products are generated in the semiconductor, liquid crystal, and solar cell manufacturing processes. Model EV-M has mastered the balance between resistance to harsh-duty applications and energy efficiency. This next-generation dry vacuum pump series sufficiently address customer needs to minimize downtime and reduce running cost.

Features

- Intelligent speed control for on-demand operation
- Small Footprint
- Energy Efficient
- Robust anti-corrosion type material

Specification Table

Model			EV-M20N	EV-M102N	EV-M202N	EV-M302N	EV-M502N	EV-M802N	
Pumping Speed		L/min	1,800	10,000	20,000	30,000	50,000	80,000	
Ultimate Pressure*1		Pa	5.0	0.5					
Connection	Gas Inlet		NW40	ISO100			ISO160	ISO200	
	Gas Outlet		NW40						
Approx.Power at Ultimate Pressure		kW	1.2	1.8	1.9	2.3	2.1	2.8	
Utility	Cooling Water	Flow rate	L/min	3-8		3.5-8	4-8	5-8	
		Temperature	°C	Max. 30					
	Power Supply	N ₂ Gas	Approx. Flow rate	Pa·m ³ /s	26-31			28-33	
		Phase/ 相Volt/ Freq.	200V Model		3Phase/200V/50Hz 3Phase/200-220V/60Hz				
			400V Model		3Phase/380-400V/50Hz 3Phase/380-440V/60Hz				
460V Model			3Phase/440-460V/50Hz 3Phase/440-480V/60Hz						
Power capacity		kVA	3.3	5.4	6.0	6.8	7.1	8.3	
Mass		kg	170	320	360	400	500	740	

*1 At standard N₂ purge flow rate.

Performance Curves

