



EBARA

EBARA Dry Vacuum Pumps

Model EV-M

Innovative Technology

For Harsh Condensable processes, featuring compact size and energy efficient pumps



Ebara EV-M

The Model EV-M series are dry vacuum pumps designed for harsh process applications featuring unique temperature control and on demand torque operation. The EV-M series is capable of processing harsh and light duty applications with a wide range of pumping speeds. Designed to consume much less power than previous pumps, a combination of root rotor arrangement and high torque motors and inverters makes the EV-M series more energy efficient and an ideal solution for harsh process.



EV-M802N

Features and Benefits



Ideal for Harsh Process



Reduced Installation Space



Industry Leading Performance



Environmentally Responsive



Energy Efficient Savings



High Torque Motor

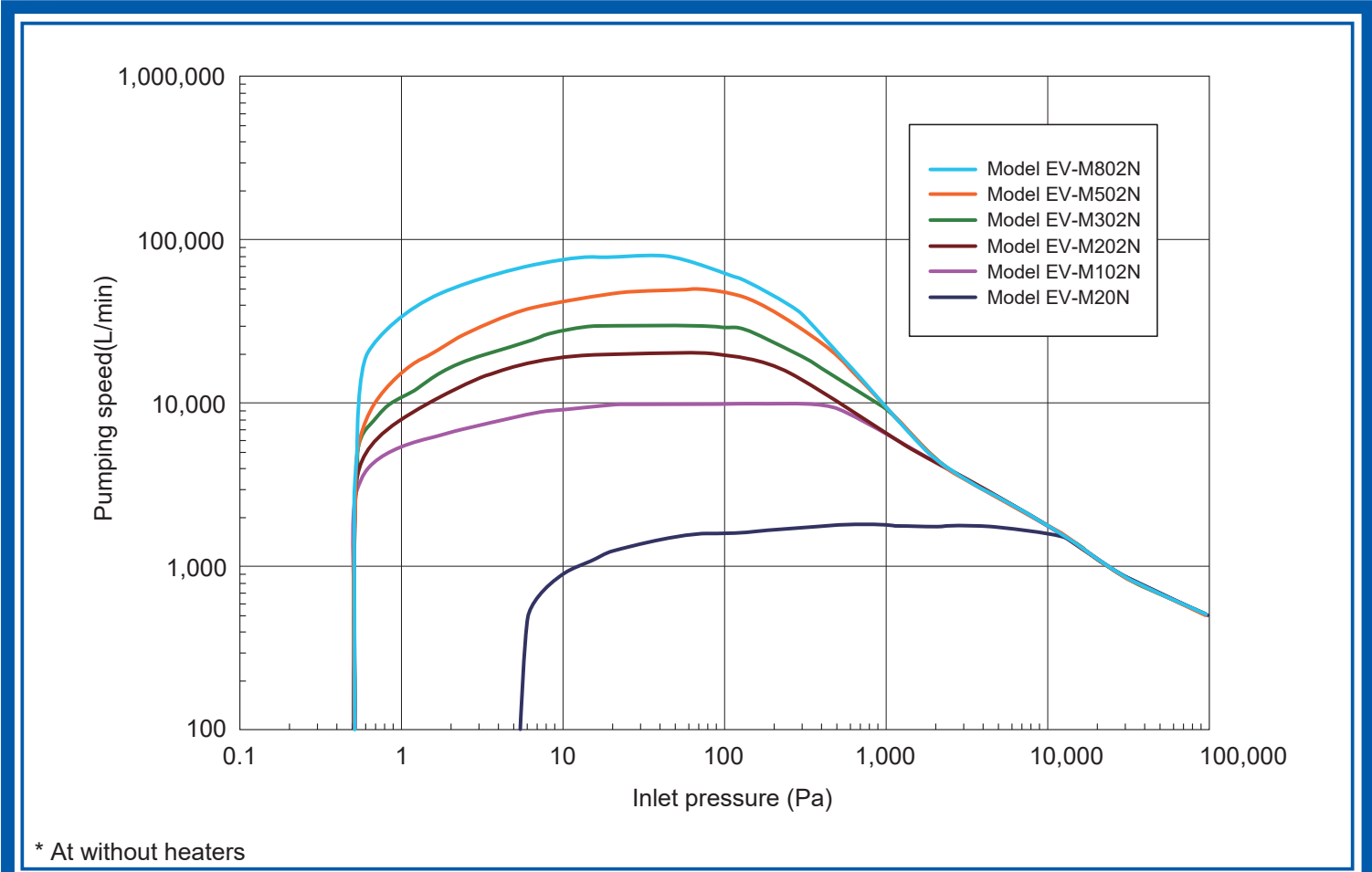


Lowest Cost of Ownership



CE / SEMI/ NRTL Rated

Pumping Curves



Accessories

Exhaust Check Valve

Emergency Stop Button

Exhaust Pipe Heater

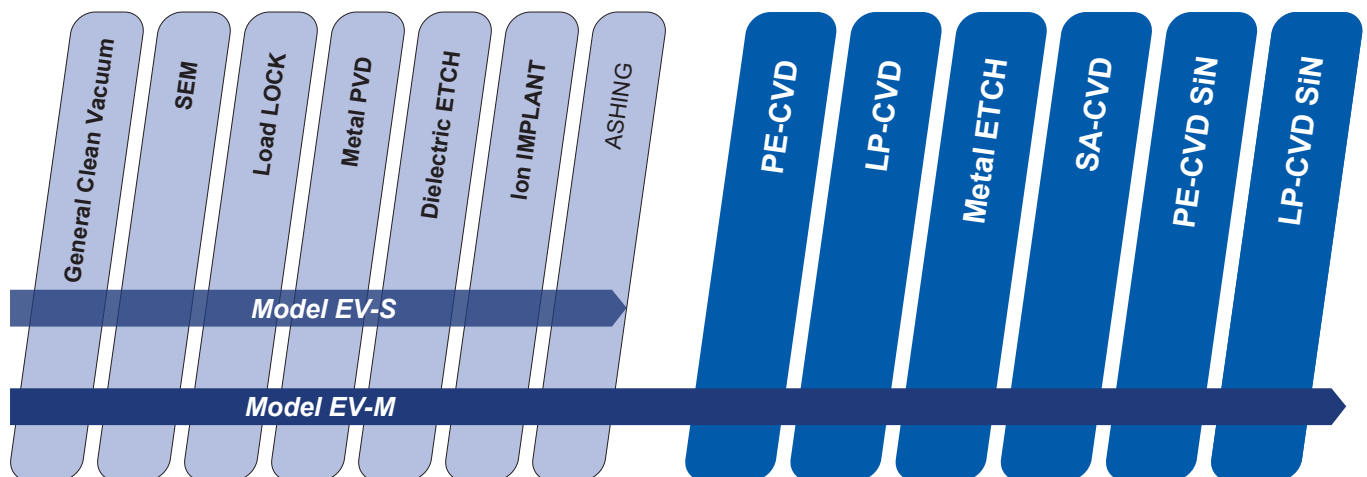
LCD Controller

Tool Interface

Specifications

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	Pa	5.0	0.5				
Connection	Gas Inlet	NW 40	ISO 100			ISO 160	ISO 200
	Gas Outlet	NW 40					
Approx Power at Ultimate Pressure	kW	1.2	1.8	1.9	2.3	2.1	2.8
Cooling Water	Flow Rate	L/min	3-8		3.5-8	4-8	5-8
	Temperature	°C	Max 30				
N2 Gas	Approx Flow Rate	Pa*m ³ /s	26-31			28-33	
Power Supply	Phase / Volt / Frequency	200 V	3Phase / 200V / 50 Hz				
			3Phase / 200-220V / 60 Hz				
		400 V	3Phase / 380-400V / 50 Hz				
			3Phase / 380-440V / 60 Hz				
		460 V	3Phase / 440-460V / 50 Hz				
			3Phase / 440-480V / 60 Hz				
Power Capacity	kVA	3.30	5.4	6	6.8	7.1	8.3
Weight	kg	170	320	360	400	500	740

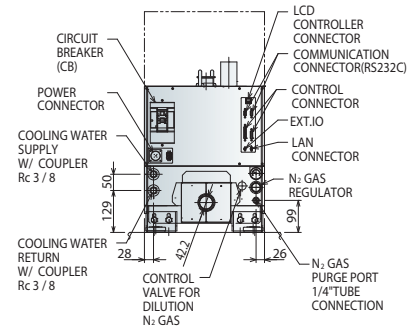
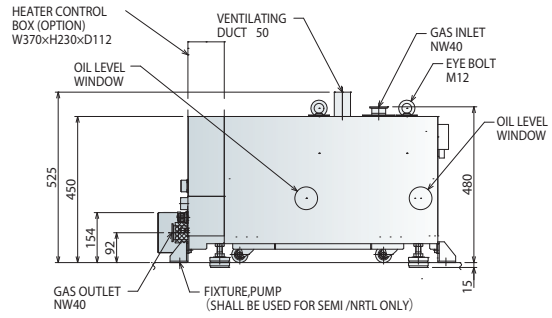
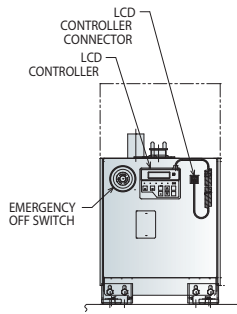
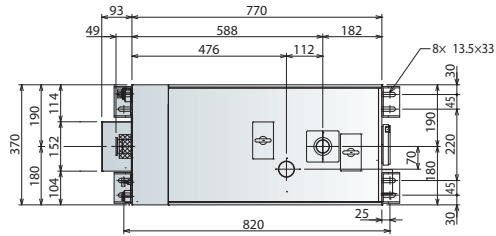
Model EV-M Typical Application



Model EV-M can be used for many vacuum applications in semiconductor, FPD, PV and other industries.
 Model EV-M is unsuitable for fluid and powder pumping applications.

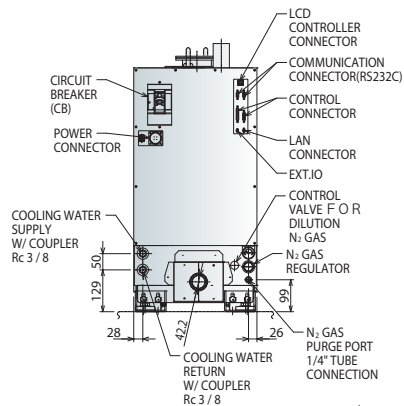
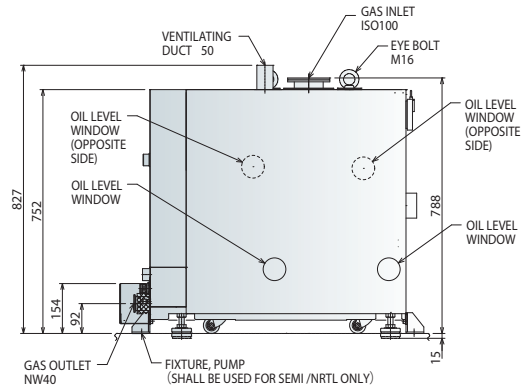
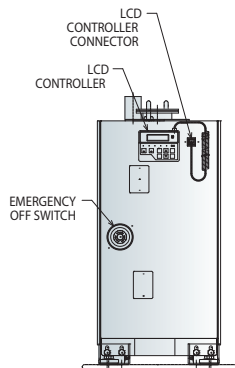
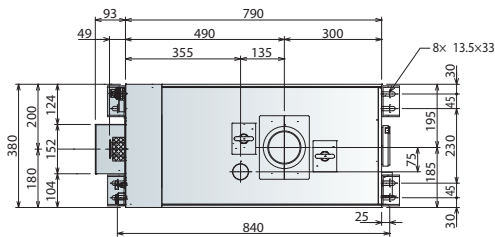
Drawings

EV-M20N



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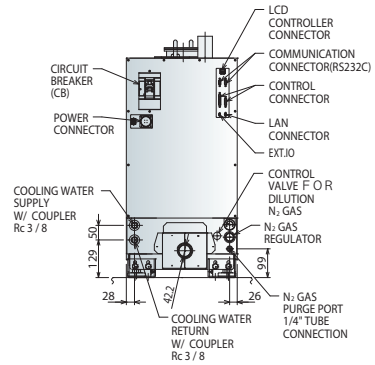
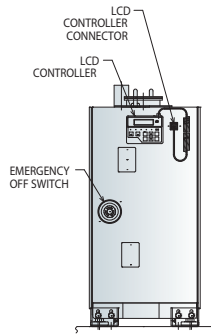
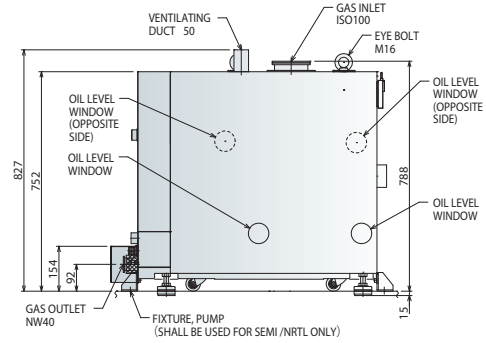
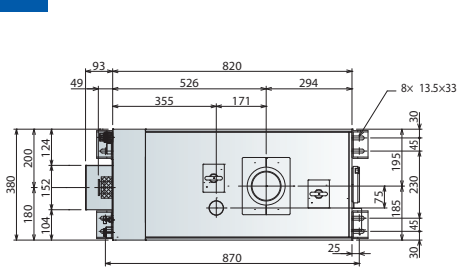
EV-M102N



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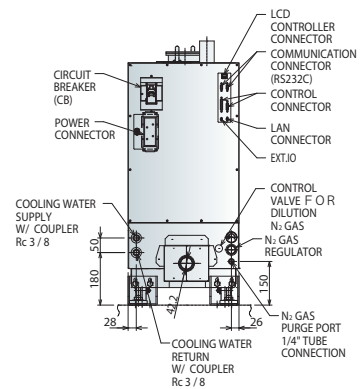
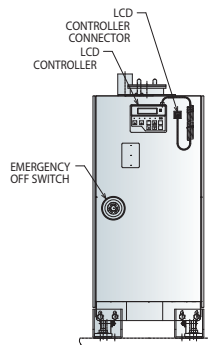
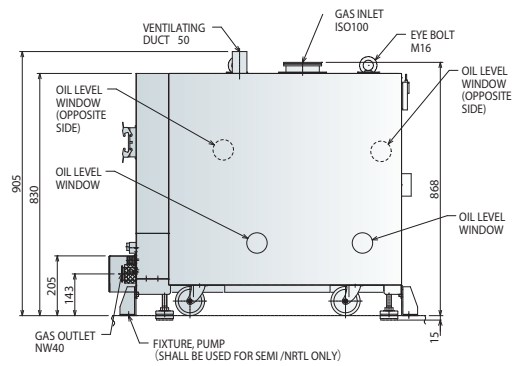
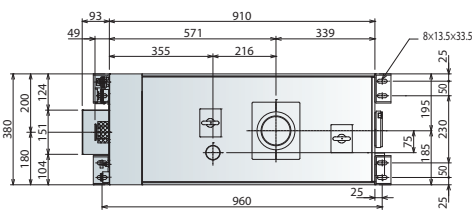
Drawings

EV-M202N



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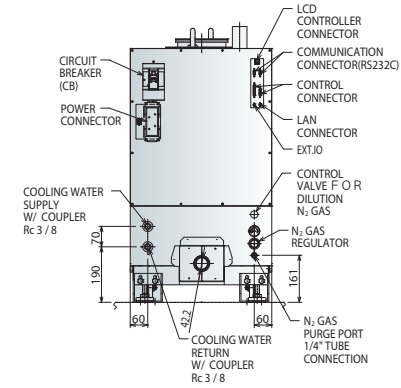
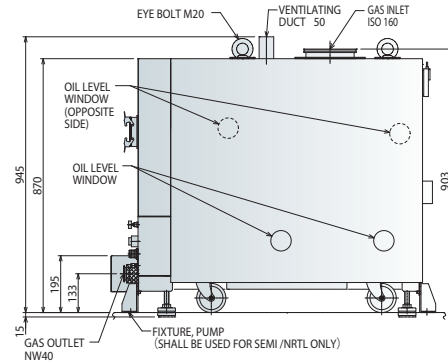
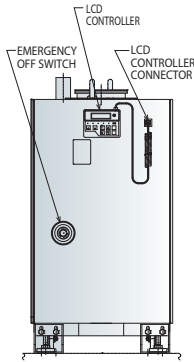
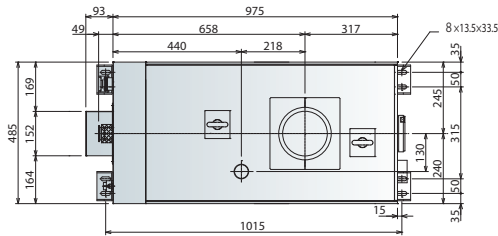
EV-M302N



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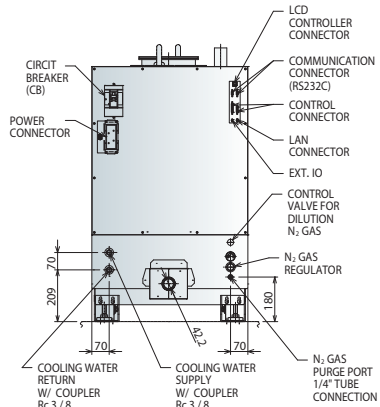
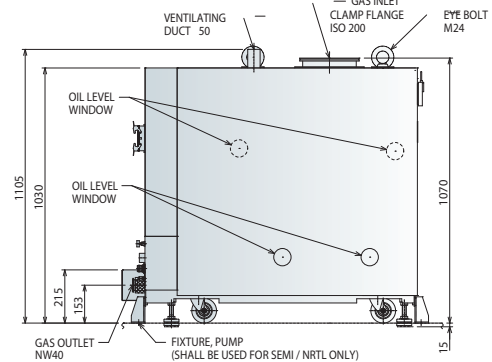
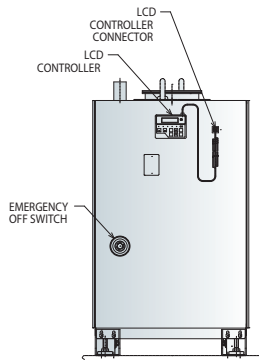
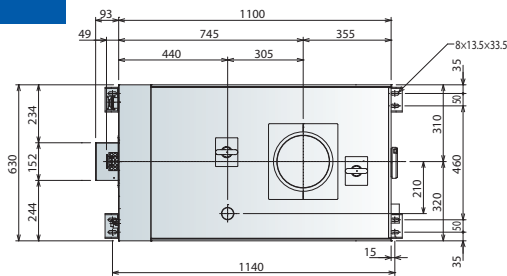
Drawings

EV-M502N



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EV-M802N



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Please inquire about an outside drawing of 400/460V specification separately.

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Patent Pending

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"Model EV-M" is our model code.

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