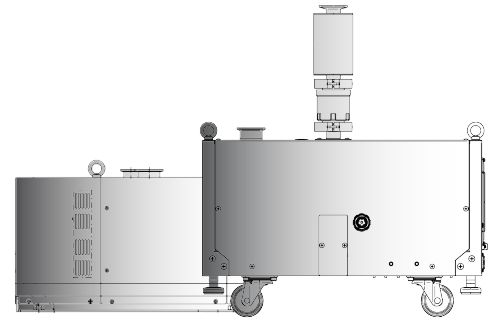




EBARA

EBARA Dry Vacuum Pump **EV-A Series**

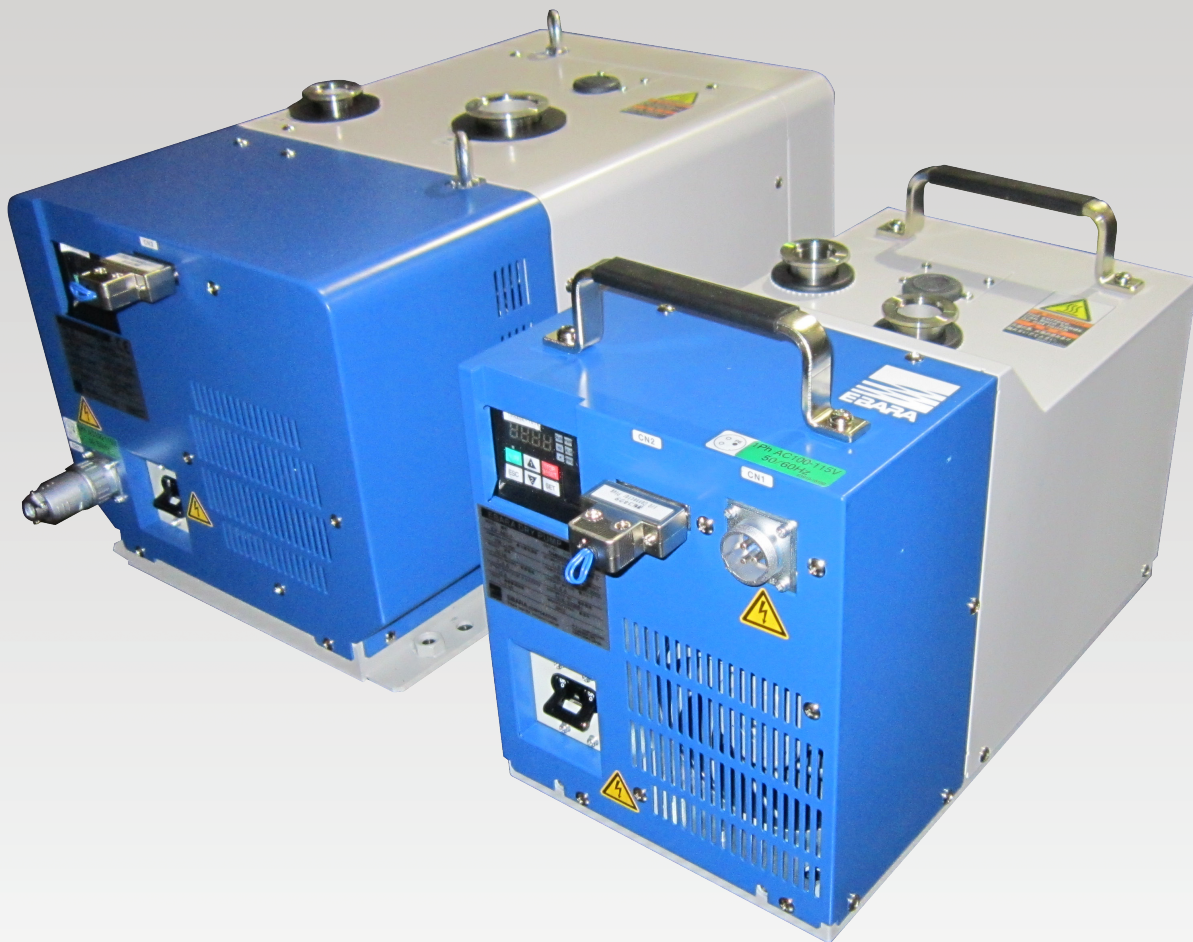


EV-A06

EV-A10

Innovative Technology.

Dry Vacuum Pumps



The EV-A Dry Vacuum Pump Series are a family of air-cooled pumps that have industry-leading specifications. The family consists of the EV-A03 (9 CFM), the EV-A06 (21.6 CFM), and the EV-A10 (36 CFM) pumps. All three pumps have a non-contact, multi-staged roots design for reliable, particle-free vacuum generation. They are available with either single-phase or three-phase power. When used with the optional gas ballast valve, they have industry-leading water pumping capability. Typical applications include Load Locks, PVD Systems, Analytical Instruments and Electron Microscopes. These pumps are ideal for replacing wet pumps as well as scroll-type dry vacuum pumps.

FEATURES AND BENEFITS

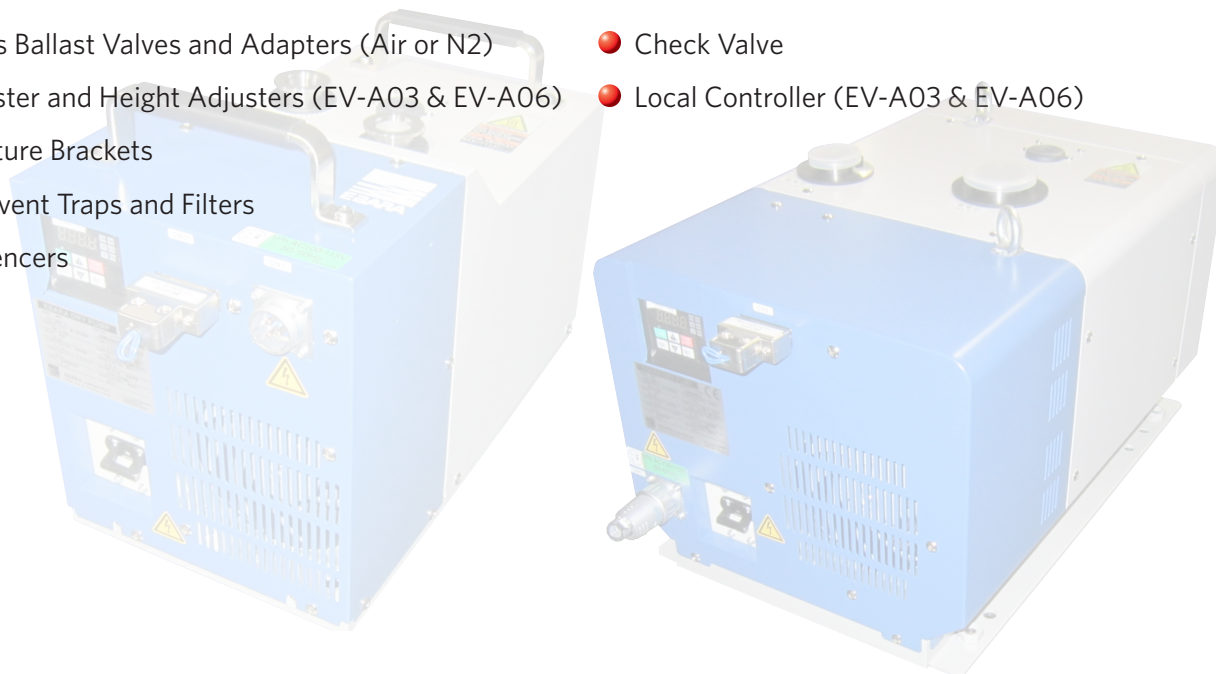
- Air-Cooled Pump
- Small, Compact Size
- Non-Contact Design
- High Atmospheric Pumping Speeds
- Highest Water Vapor Pumping of Any Air-Cooled Dry Pump
- UL, CE, and NRTL rated
- Single- and Three-Phase

APPLICATIONS

- Load Locks
- Analytical Instruments (LCMS, ICPMS)
- Electron Microscopes
- PVD Systems
- Oxygen Plasma Systems
- Replacing Wet Pumps of Other Air-Cooled, Dry Pumps

OPTIONS

- Gas Ballast Valves and Adapters (Air or N2)
- Caster and Height Adjusters (EV-A03 & EV-A06)
- Fixture Brackets
- Solvent Traps and Filters
- Silencers
- Check Valve
- Local Controller (EV-A03 & EV-A06)



MODEL TYPE DESCRIPTION

EV-A	10	-	3	U
1	2		3	4

1	Model	EV-A	
2	Size	03	250 L/min
		06	600 L/min
		10	1,000 L/min
3	Supply Power	1	Ø1, 100V AC*
		2	Ø1, 200V AC
		3	Ø3, 200V AC
4	Position of Gas Outlet		Normal
		U	Top Exhaust**
		S	Side Exhaust**

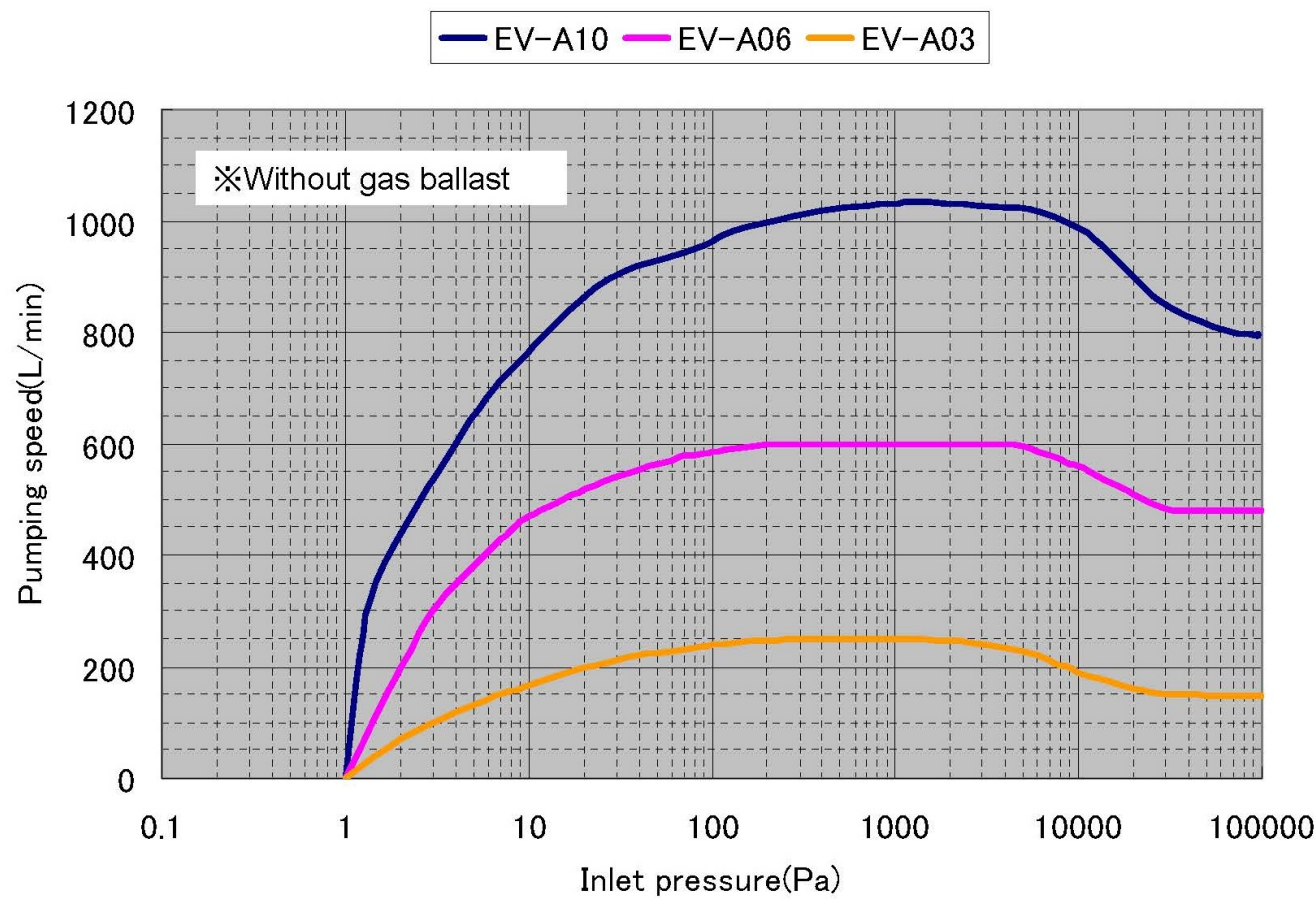
*Not available in EV-A10 model.

**Only available in EV-A10 model.

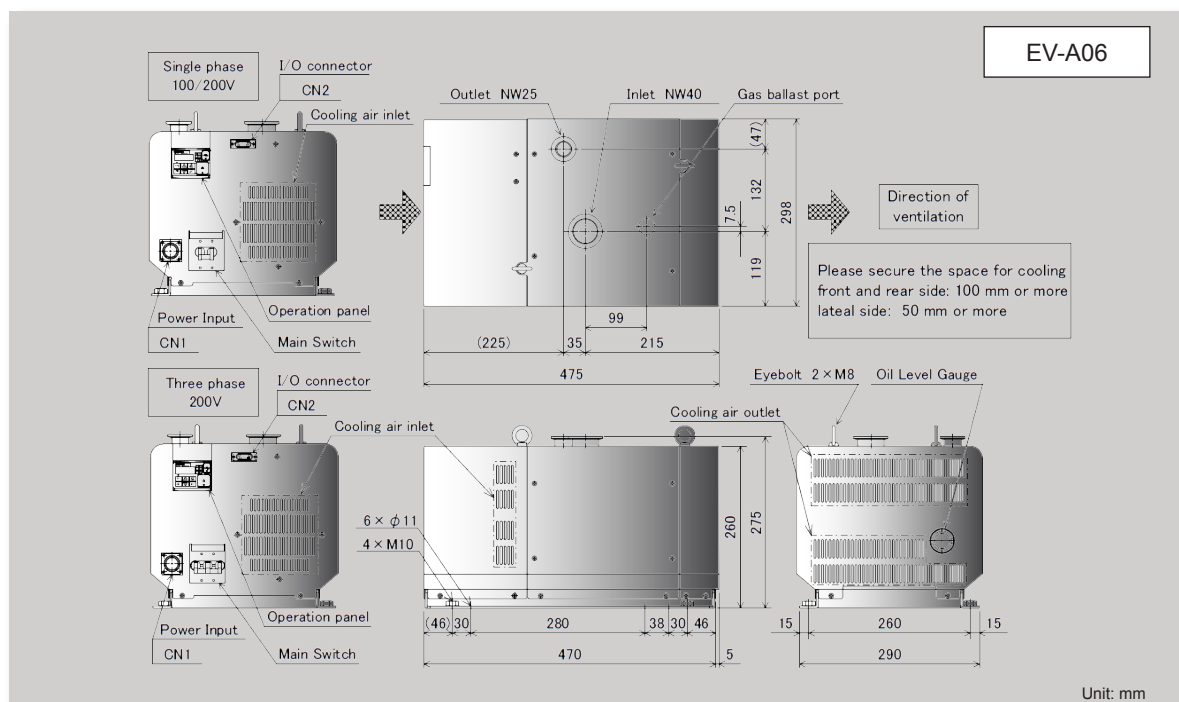
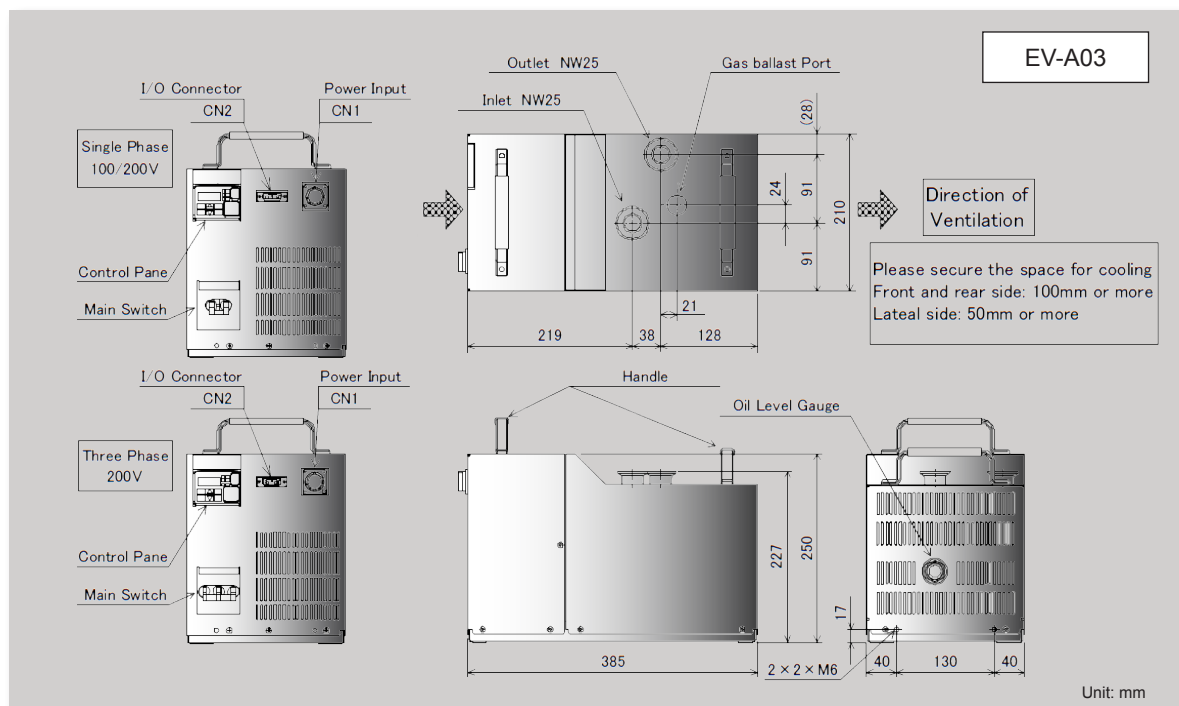
SPECIFICATIONS

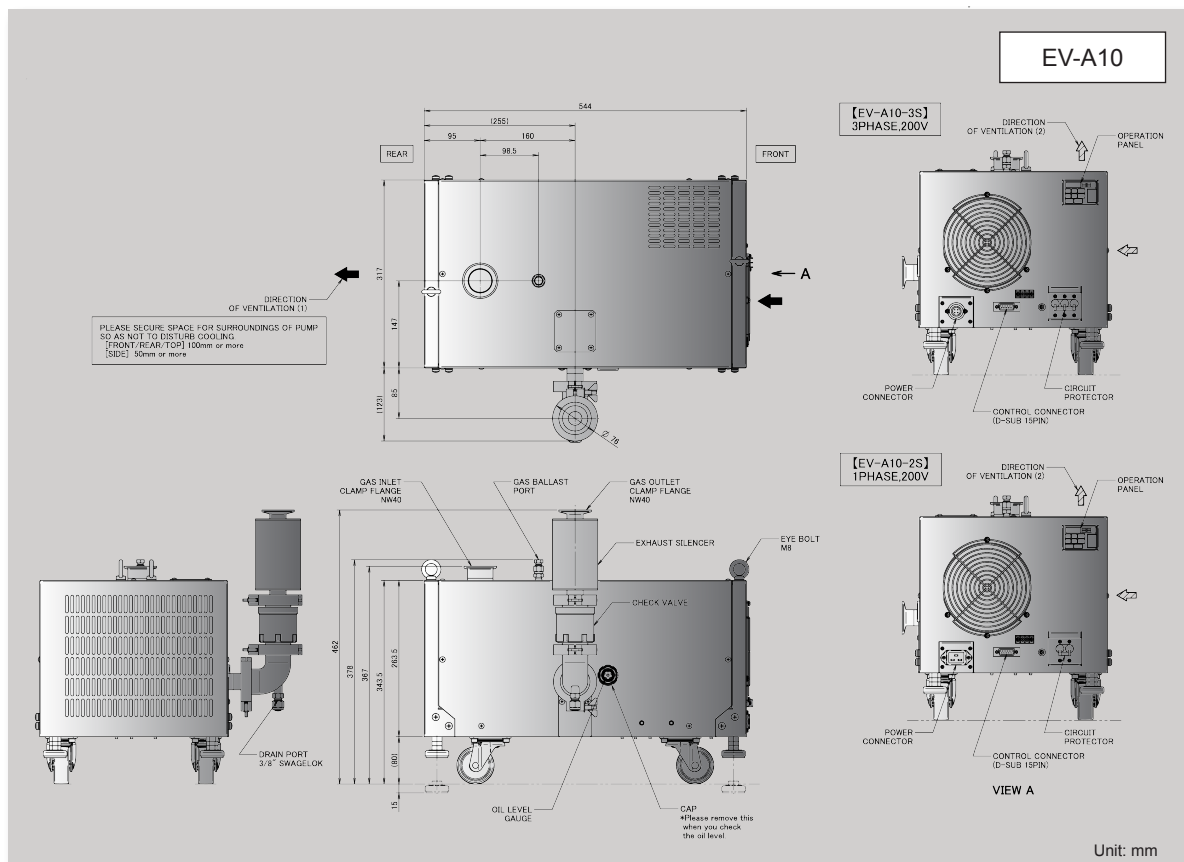
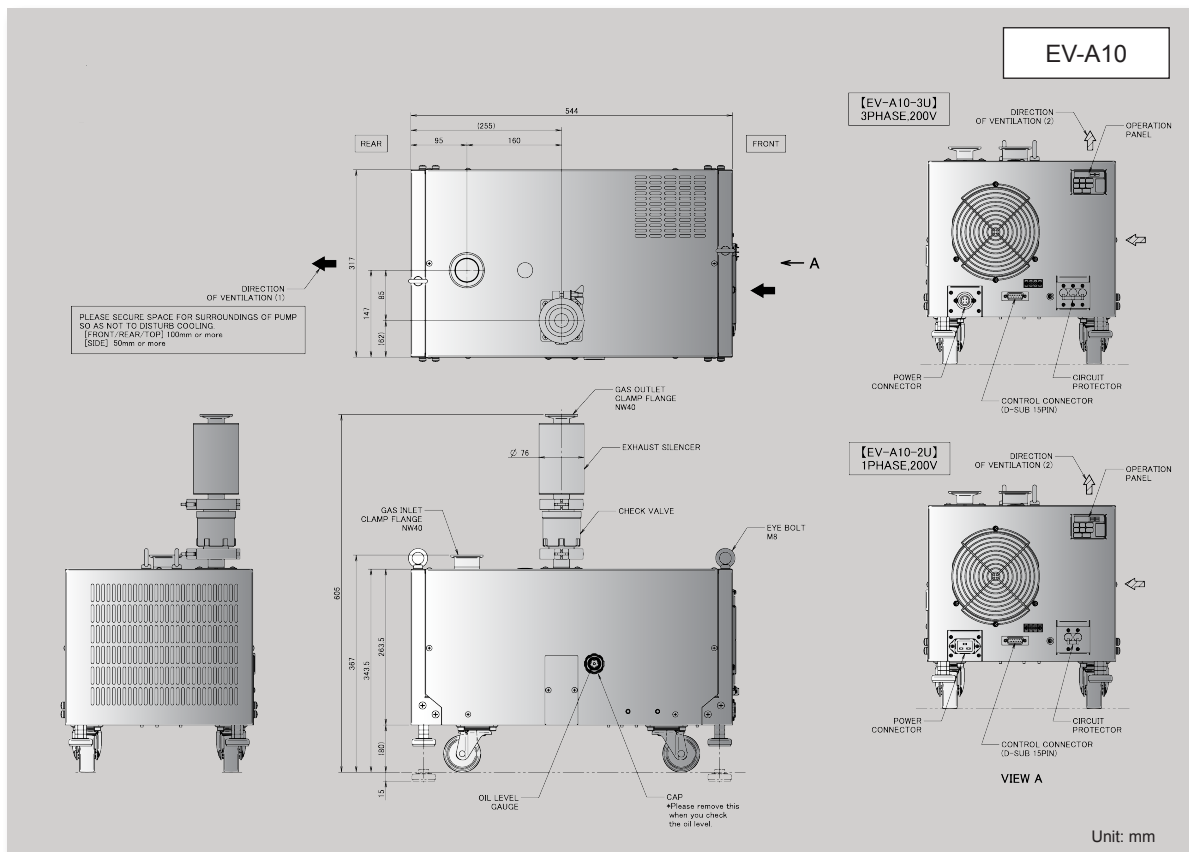
Unit			EV-A03	EV-A06	EV-A10
Pumping speed	Max.	L/min	250	600	1,000
		CFM	9	22	36
		m³/hr	15	36	60
	Atmospheric	L/min	150	480	800
		CFM	5.4	17	29
		m³/hr	9	29	48
Ultimate Pressure	Gas Ballast: Off	Pa	1.0		
		mBar	0.01		
		mTorr	7.5		
	Gas Ballast: On	Pa	10.0		2.0
		mBar	0.1		0.02
		mTorr	75.0		15.0
Max. Inlet Pressure			Atmospheric Pressure		
Max. Water Vapor Pumping Rate (Gas Ballast: On)		g/hr	250	350	500
Connection	Gas Inlet		NW25	NW40	
	Gas Outlet		NW25		
Approx. Power at Ultimate Pressure		kW	0.34	0.59	1.1
Approx. Weight		kg	23	54	72
		lb	51	119	159

PERFORMANCE CURVES



DRAWINGS







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Patent Pending

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