

# EBARA A150-M Dry Vacuum Pump

## 640 CFM

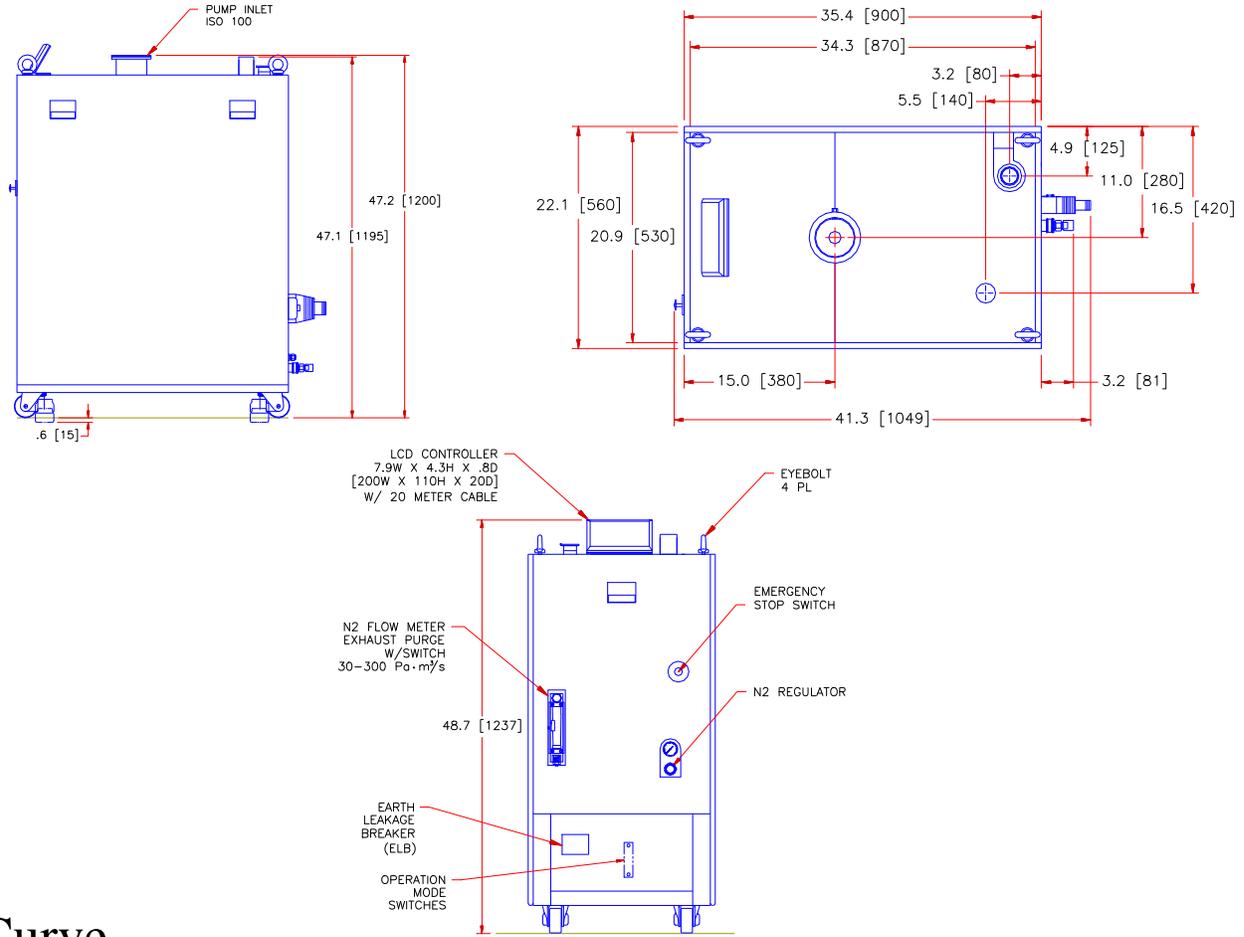
The A Series dry pumps offer a wide range of sizes and features for the Semiconductor, University and R&D industries. The A Series dry pumps were the first in the EBARA product line to offer manifold cooling, Microprocessor Controls and Integrated windows based pump monitoring systems. The A Series pumps are designed to provide high reliability for a wide range of process such as LPCVD, PECVD, and Etch.



## Technical Specifications

<b>Pumping Speed</b>	L/min	15,000/18,000
<b>50/60 Hz</b>	(cfm)	(530/640)
<b>Ultimate Pressure</b>	Torr	$4 \times 10^{-3}$
<b>Connection</b>	Gas Inlet	NW80
	Gas Outlet	NW40
<b>Pump Stages</b>		1 (BP) + 5 (MP)
<b>Motor Rating</b>	Hp	5
	Kw	3.7
<b>Electrical Supply Requirements (3-phase)</b>	50 Hz VAC	200
	60 Hz VAC	200-220
	Current (A) rated FLA (Ultimate Pressure)	34.5 (18.8)
	Main Breaker	50 A
	Mating Power Conn (Provided)	MS Series 22
<b>Cooling Water Requirements</b>	Min. Flow Rate	3.5
	L/min (gpm)	(1)
	Max. Pressure	7
	kgf/cm <sup>2</sup> (psi)	(60)
	Max. Temperature	30
	deg C (F)	(86)
	Mating Quick Conn (Provided)	ISO 3/8R Female w/ 3/8" NPTF adapter
<b>Nitrogen Dilution</b>	Pump (slm)	2
	Exhaust (slm)	18-180
<b>Cabinet Dimensions</b>	inches	42.2 x 22.0 x 48.2
	(mm)	(1,071 x 560 x 1236)
<b>Weight</b>	lbs	1022
	(kg)	(500)
<b>Lubricating Oil</b>	Types	Fomblin Y-L VAC 25/6 Barrierta J100 Demnum S-65 Krytox VPF 1525
	Capacity (L)	1.1
<b>Signal Connector</b>	(Provided)	Amphenol 57-30500

# Dimensional Drawings



# Pump Curve