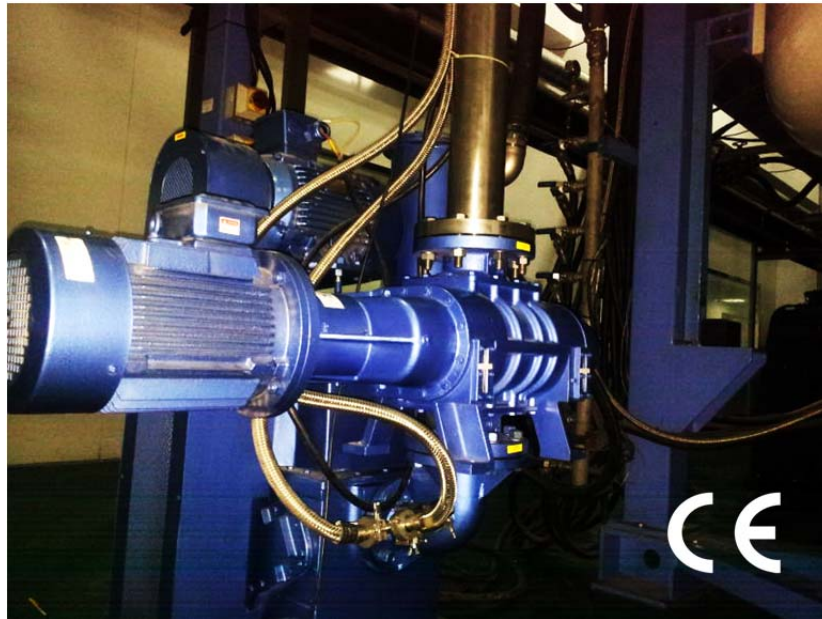


Specifications of ER Series
Custom Made Roots Booster Pumps



***Custom made ERA900M/EMBD540 is widely used
on the multi-silicon crystal growing furnaces***

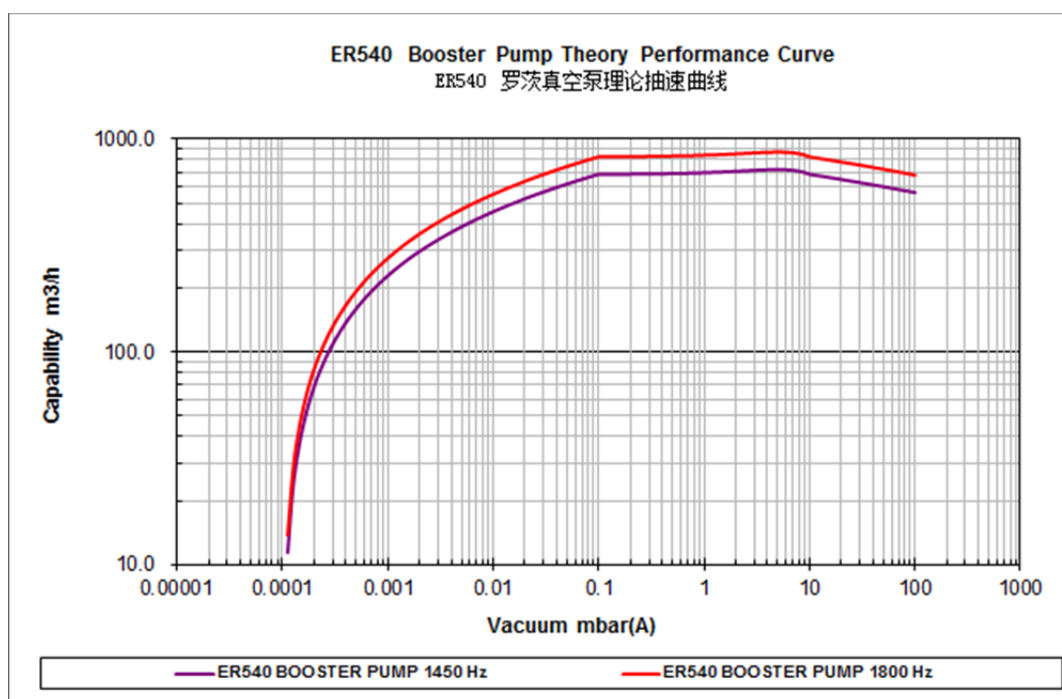
ERA900M/EMBD540
(750 - 900 m³/h or 200 - 250 l/s)

ELIVAC is a dynamic fast moving company. All information provided here is for reference only. Information subjects to change from time to time without notice. Except the customer with repeat order, any first time user of any of our models, especially with options requirement, like inlet filter, high pressure difference (24 hours 7 days a week continuous process), after cooler, coating, etc., please contact ELIVAC Sales Engineer for the latest specifications. We apologize for any confusion from our inconsistent information among versions of our product information.

**ERA900M (EMBD540) MECHANICAL BOOSTER PUMP**

TYPE		ERA900M	
Property	Unit	50Hz	60Hz
Motor Pole		2	
Maximum Theory Displacement	m ³ /h	750	900
Maximum rotational speed	rpm	2900	3500
Maximum pressure differential	mbar	55	50
Ultimate (the magnetic model has twice as high as the vacuum level)	mbar(A)	3.0x10 ⁻⁴	3.0x10 ⁻⁴
	mTorr	0.23	0.23
Standard motor power	Kw	4	4
Backing set speed requirement	m ³ /h	250	250
Lubrication			
Recommended oil		ELIVAC #1 Or other reputable brand vacuum oil	
Max oil capacity	Liter	1.5	
Connections			
Suction and Discharge	mm	100 /100	

Cooling water inlet/outlet		Female 1/8"	
Cooling water supply			
Maximum supply pressure	Bar	2~3	
Maximum supply temperature	°C	30	
Cooling water flow rate	l/min	5-8	
Environment			
Noise Level	dB(A)	75	
Maximum exhaust temperature	°C	160	
Weight			
Typical – with standard motor	kg	110	110

ERA900M Performance Curve

Dimensions

