

# Dry Vacuum Pumps Model EST

Robust vacuum pumps for harsh processes



The Model EST consists of a two-stage screw design main pump engineered for application in harsh duty processes. The main pump is packaged with a lobe style booster pump for increased pumping speed. EST pumps are constructed of Ni-Resist, a special cast iron alloy known for its superior corrosion and wear resistance properties.

## Applications

- Metal etch
- ALD
- CVD
- Nitride
- Oxide

## Technical Characteristics

- Two-stage screw design main pump for application in harsh duty processes
- Thoroughly corrosion resistant material
- High operating temperature preventing condensation inside of pump
- High performance brushless DC motors
- Low noise and low vibration

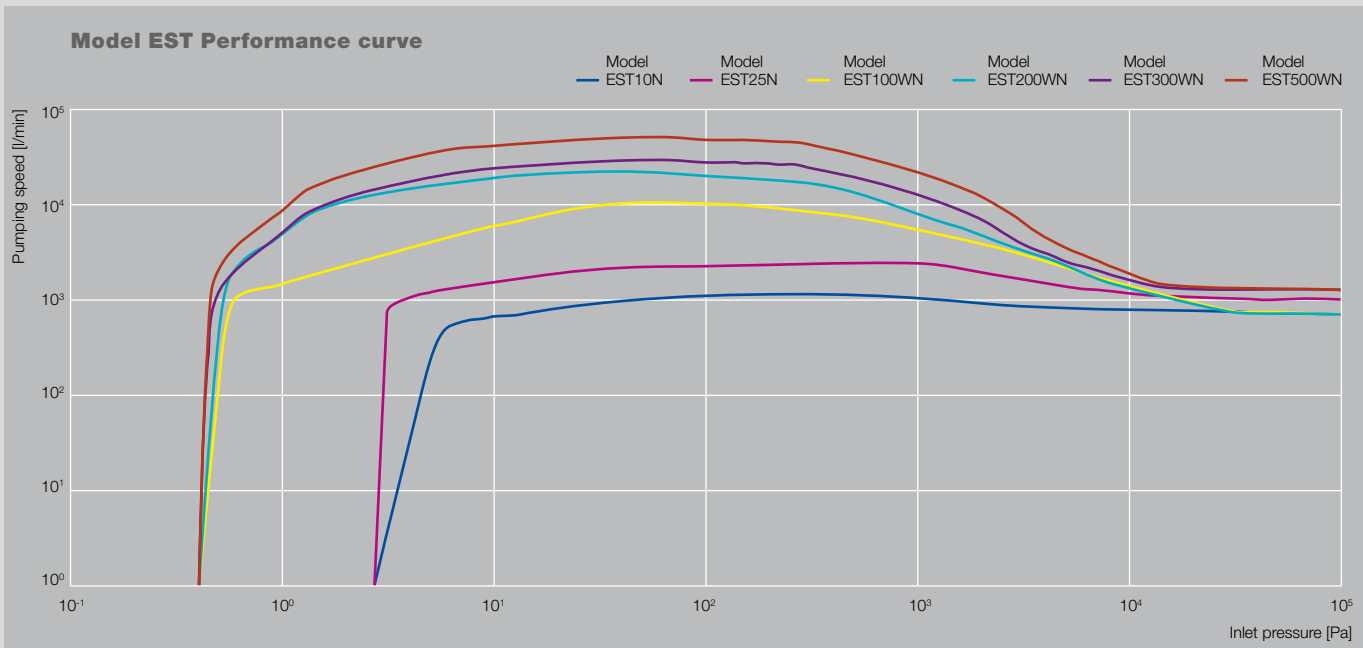
## Customer Benefits

- Low Cost of Ownership (power, N<sub>2</sub>, water, footprint, volume, weight)
- Variable pumping speed to match application requirements
- State-of-the-art control and monitoring devices
- Compact pump size

## Technical Data

Model		EST10N	EST25N	EST100WN	EST200WN	EST300WN	EST500WN
Pumping speed (N <sub>2</sub> )	[m <sup>3</sup> /h]	60	150	600	1,200	1,800	3,000
	[l/min]	1,000	2,500	10,000	20,000	30,000	50,000
Ultimate pressure	[mbar]	2.7x10 <sup>-2</sup>			4.0x10 <sup>-3</sup>		
	[Pa]	2.7			0.4		
Voltages ranges	[V]	200–220 / 380–440, 3-ph, 50/60 Hz					
Maximum power	[kW]	3.5	5.5	6.1	6.1	9.5	11.3
Power at ultimate pressure	[kW]	2.3	3.0	3.2	3.2	4.5	4.6
Weight, approx.	[kg]	260	300	380	430	500	550
Sizes (LxWxH)	[mm]	1100x410x532	1140x410x531	1140x410x946		1140x520x948	

Model EST in this leaflet is our model code.



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