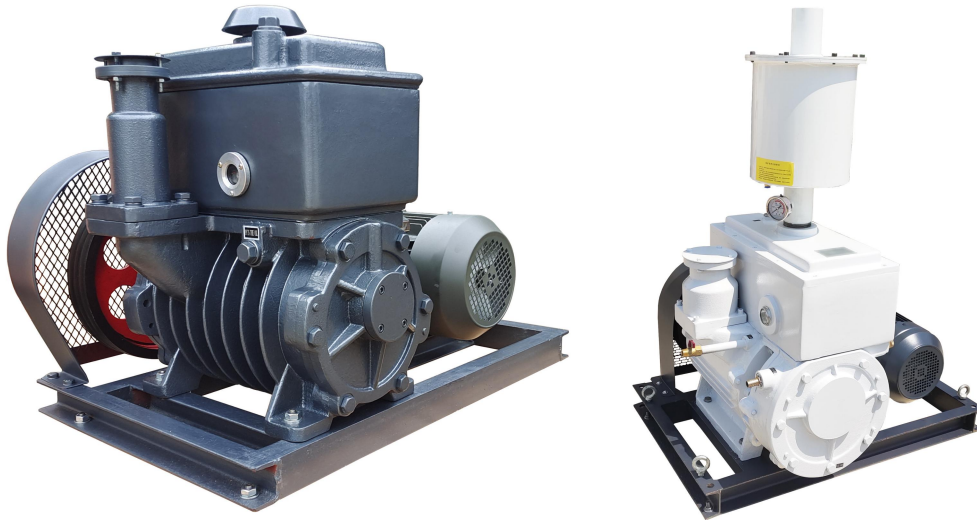


2X Series Belt Drive Rotary Vane Vacuum Pump



Product Description:

The 2X series vacuum pump is of two-stage structure, its operation performance consists of two parts, high-pressure stage and low pressure stage. Its suction port is connected with the vacuum container or other vacuum equipment to help in-taking or draining the gas inside the container during operation. When the equipment is in vacuum, the high-pressure stage drain valve will be closed, then the gas suctioned by the high-pressure stage will be transferred to the second stage, after that, the gas will be suctioned and drained through the second stage, so that the vacuum equipment can get a certain extent vacuum. The technical parameter of the pump is 6×10^{-2} Pa. According to the user's operation requirements, to equip a vacuum booster pump, and this pump is used as a backing pump. Since the booster pump increased suction force, accompanied with the continuous suction of the backing pump, the equipment will obtain higher vacuum percentage.

Features:

1. Wide range of free-air capacities to match specific applications
2. Positive pressure oil system ensures proper lubrication and prevents oil starvation under high gas loads
3. Fast acting inlet valve protects internal components against oil and air contamination if the pump stops while under vacuum
4. Gas ballast valve limits internal condensation; Lets you use pump when condensable vapors are present

Application:

This series of pumps are elementary equipment for pumping air from sealed chamber.

It can be used alone, also can be used as the fore-pump, process pump or titanium pump of booster pump, roots vacuum pump, gas circulation cooling roots pump, oil diffusion pump, and molecular pump.

It is applicable to vacuum coating, vacuum heat treatment, vacuum smelting, vacuum tube, bulb, chemicals, packing, forming, health and medical appliances, laboratory, vacuum drying machines and vacuum filtering.

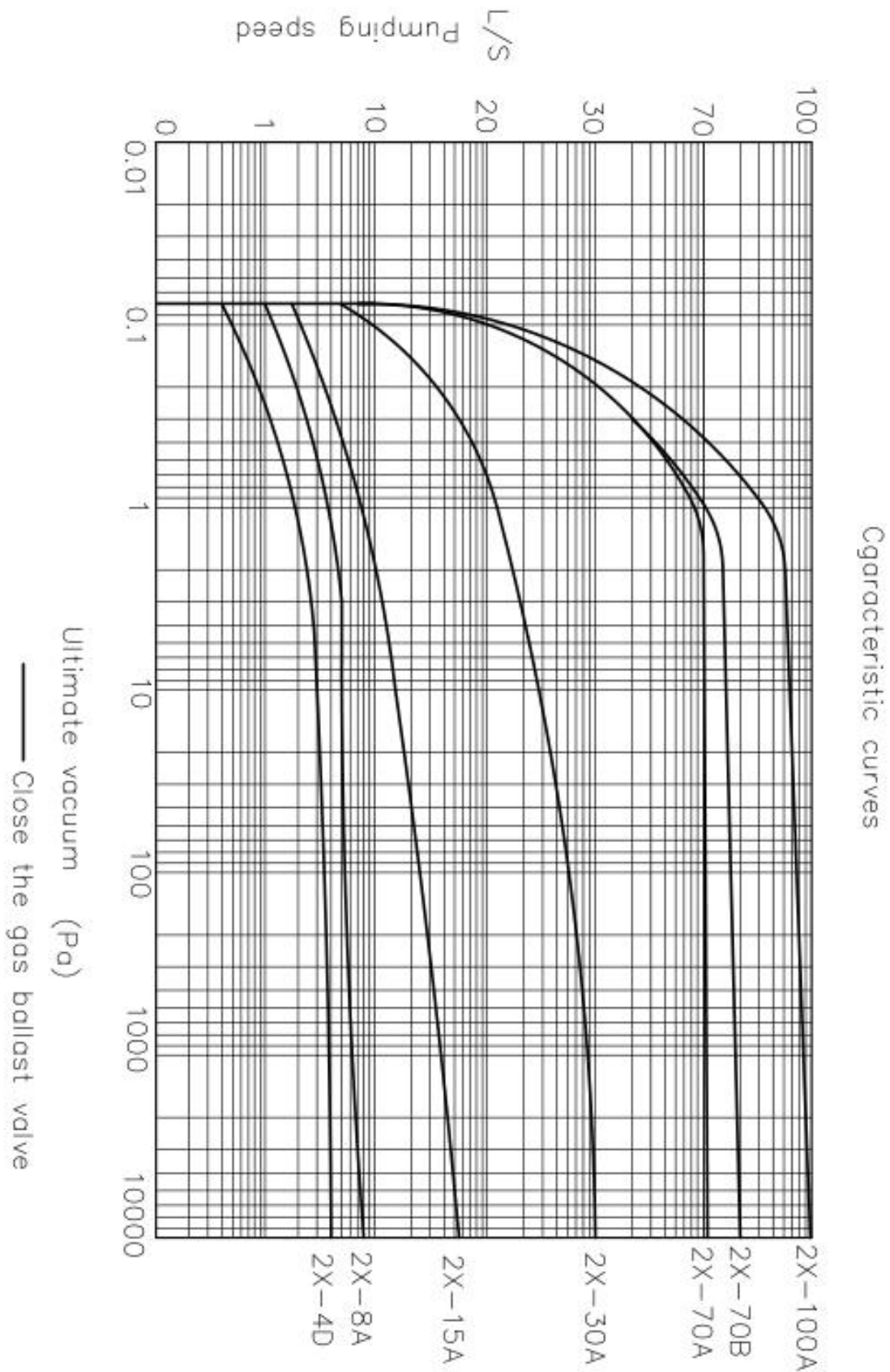
2X-70B Advantage

1. capacity is bigger than 2X-70A
2. longer rotor, big gap, not be got stuck if there is anything pumped into body
3. lower rotary speed
4. twice service life compare with 2X-70A

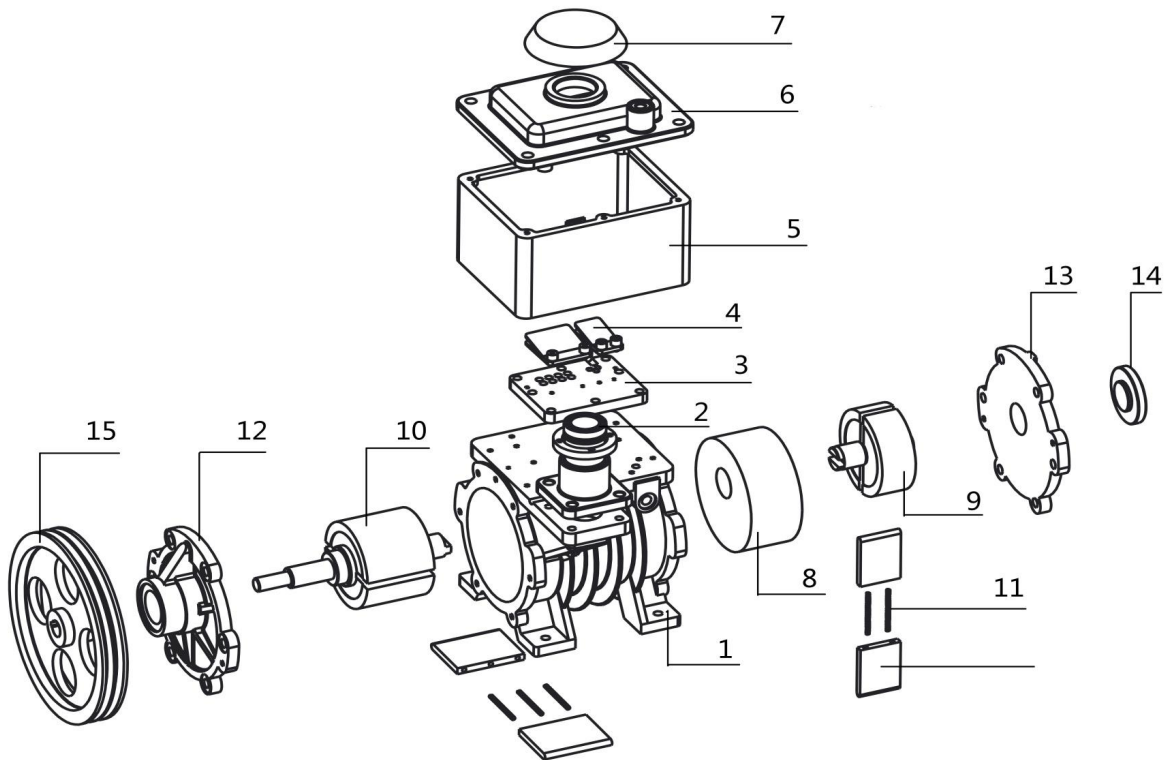


Specification Model	2X-4D	2X-8A	2X-15A	2X-30A	2X-70A	2X-70B	2X-100A
Pumping Speed(L/s)	4	8	15	30	70	80	100
Pumping Speed(m ³ /h)	14	29	54	108	252	288	360
Ultimate Pressure (Pa)	Partial Pressure	$6 \times 10^{-2} (5 \times 10^{-4} \text{Torr})$					
	Total Pressure	$2.66 (2 \times 10^{-2} \text{Torr})$					
Rotary Speed(r/min)	450	320	320	450	420	360	400
Motor Power(kW)	0.55	1.1	2.2	4	5.5	5.5	7.5
Working Voltage(V)	380	380	380	380	380	380	380
Cooling Mode	Natural cooling	Natural cooling	Natural cooling	Water cooling	Water cooling	Water cooling	Water cooling
Oil Capacity(L)	1.0	2.0	2.8	3.0	4.2	4.2	4.2
Recommend Solenoid Valve	DDC-JQ25	DDC-JQ40	DDC-JQ50	DDC-JQ65	DDC-JQ80	DDC-JQ80	DDC-JQ80
Noise (dB A)	65	70	70	70	75	75	75
Weight(kg)	60	158	202	230	480	450	450

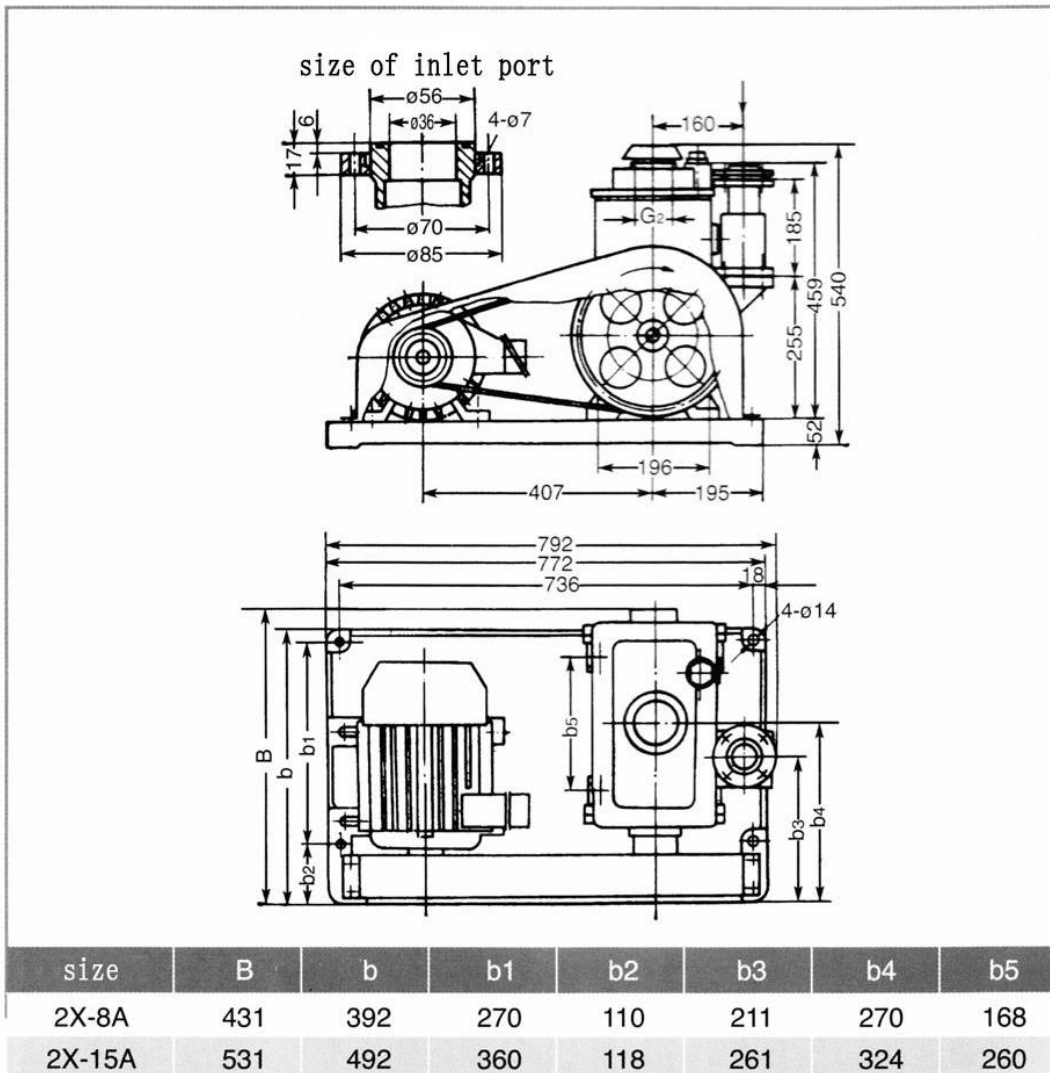
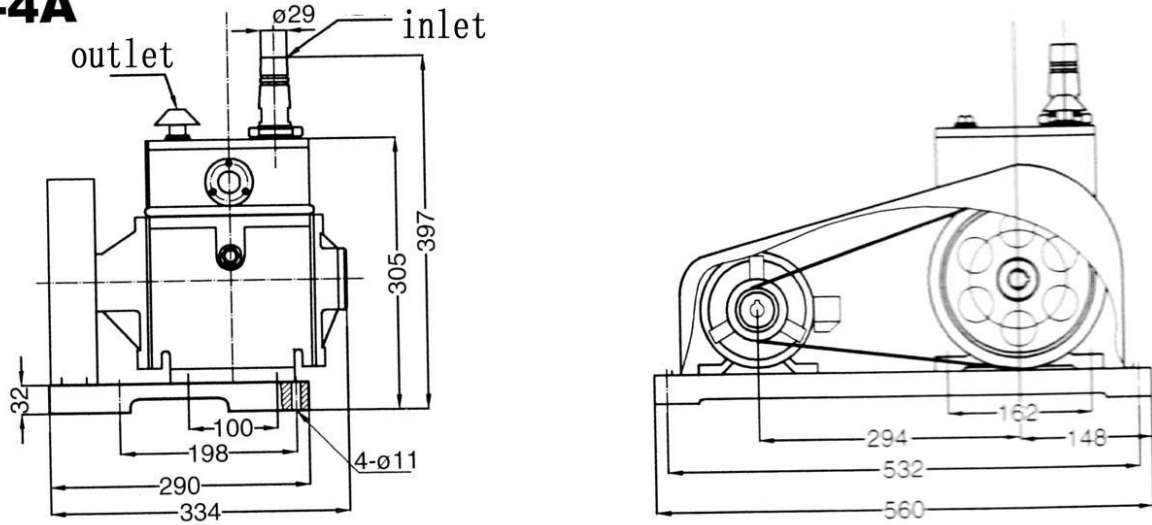
Characteristic Curves

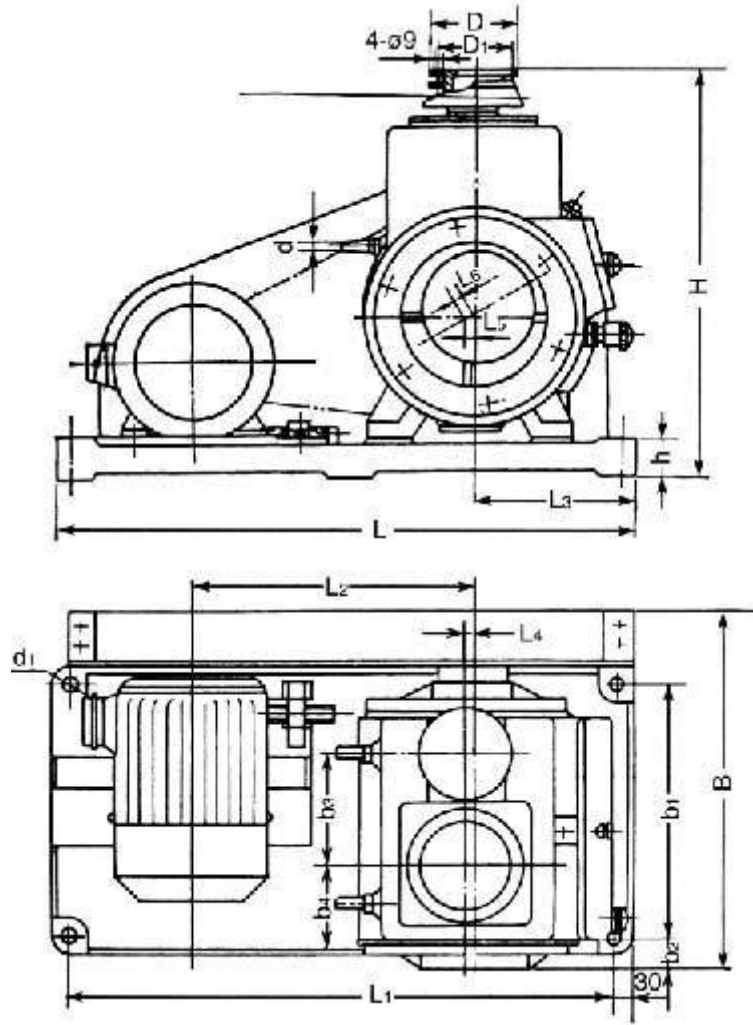


Explosive View



- 1.Stator 2.Air inlet and flange 3. The exhaust valve seat 4. Exhaust valve 5.Oil box 6.Oil box cover
7. Exhaust cap 8. The middle baffle plate 9.Low rotor 10.High rotor 11. Rotary vane and spring
12. High pump cover 13.Low pump cover 14. After the end cover 15.Pulley

Overall Dimensions
2X-4A




Model	B	b1	b2	b3	b4	H	h	L	L1	L2	L3	L4	L5	L6	D	D1	d	d1
2X-30A	498	340	18	155	128	557	55	780	730	376	225	10	8	21	∅125	∅105	∅13	4-∅16
2X-70A	650	470	25	225	175	692	70	908	848	445	286	15	10	29	∅145	∅125	∅13	4-∅20

2X-70B/100A

