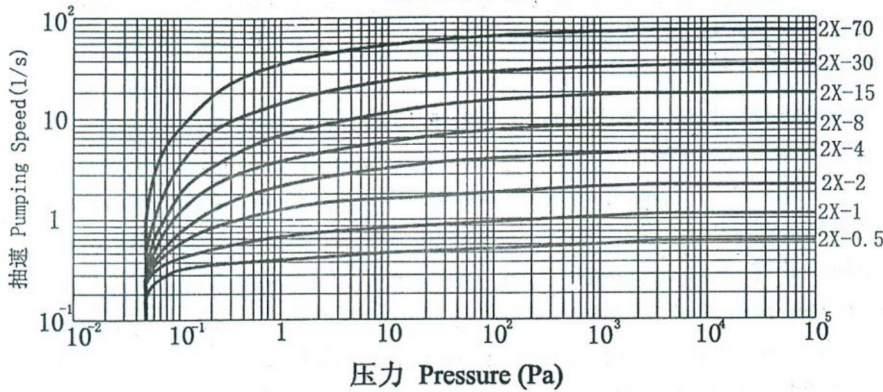


# VACUUM PUMP (ROTARY)



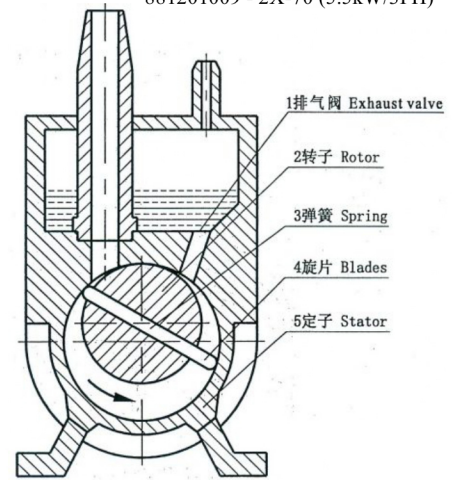
Pumping Speed and Inlet Pressure Curves  
Two-stage Rotary Vacuum Pump  
MODEL 2X



- Stock Code :
- 881201001 - 2X-0.5 (0.18kW/1PH)
  - 881201002 - 2XZ-0.5 (0.18kW/1PH)
  - 881201003 - 2X-1 (0.18kW/1PH)
  - 881201004 - 2X-2 (0.37kW/1PH)
  - 881201005 - 2X-4 (0.55kW/1PH)
  - 881201016 - 2X-8 (1.1kW/1PH)
  - 881201006 - 2X-8 (1.1kW/3PH)
  - 881201007 - 2X-15 (1.5kW/3PH)
  - 881201008 - 2X-30 (3.0kW/3PH)
  - 881201009 - 2X-70 (5.5kW/3PH)

## Principle and Drawing of Construction

The pump mainly consists (5), Rotor (2) and Blades (4) (see Schematic Drawing below). The rotor is eccentrically mounted in the cylinder (Stator), and in the rotor slot there are two blades which closely glide against the cylinder wall by the force of the spring (3) and the eccentric force caused by the rotating rotor. Thus the intake port and the exhaust port on the stator are separated by the blades in the slotted rotor. And the rotor rotates in the cylinder, periodically, the intake volume is expanded gradually, and gas enters, at the same time, the exhaust volume decreases, and the entering gas is compressed and then displaced out through the exhaust valve (1). The pump thus effects its evacuation purpose.



Schematic Drawing Construction

Model	Power (kW)	Pumping Speed(l/s)	Ultimate Pressure(Pa)	Inlet Bore(mm)	Volume of Oil Needed(liter)	Weight (kg)	Packing Dimension(mm)
2XZ - 0.5	0.18	0.5	$6 \times 10^{-2}$	$\phi 10$	0.5	19	580 x 300 x 370
2X - 0.5		1		$\phi 16$		21	530 x 370 x 420
2X - 1		2		$\phi 20$		45	630 x 420 x 440
2X - 2	0.37	4		$\phi 25$	1.0	75	670 x 450 x 550
2X - 4	0.55	8		$\phi 31$	1.5	95	720 x 500 x 570
2X - 8	1.1	15		$\phi 50$	2.8	165	860 x 690 x 660
2X - 15	1.5	30		$\phi 63$	4.2	370	1240 x 770 x 910
2X - 30	3.0	70		$\phi 80$		520	1340 x 860 x 970
2X - 70	5.5						

\*\*\*Product's specification may subject to change without further notice.  
\*\*\*Actual product may slightly differ from pictures shown.