WORDFIK
Vacuum solutions

Focus on Dry Vacuum Pumps
R&D Manufacturing

Guangdong Wordfik Vacuum Technology CO.,LTD

Ultimate Vacuum, Ultimate Pursuit

Vacuum Pump Manufacturer

Since 2007

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Company Profile

Guangdong Wordfik Vacuum Technology CO.,LTD

18 Years
of experience
in vacuum field

Founded in 2007, Wordfik is a brand service provider integrating the R&D, production, operation, sales, maintenance, repair and import and export trade of vacuum pumps and spare parts.

2000+
vacuum solutions

The core products focus on dry rotary vane, oil-lubricated rotary vane, two-stage, scroll, screw, claw, roots booster, liquid ring, and other industrial vacuum pumps and spare parts.

30 Thousand
vacuum pumps
sold per year

Providing one-stop vacuum solutions for the semiconductor industry, electronics, packaging, printing, food industry, plastic and rubber industry, pharmaceutical industry, hospital negative pressure system and laboratory equipment, automotive engineering, logistics technology, environmental protection engineering, woodworking machinery and other industries.

Corporate Culture

01 Mission

Leading the development of the oil-free vacuum pump industry with innovative technology, providing efficient, environmentally friendly and reliable vacuum solutions to customers around the world !

02 Vision

Become an innovation leader in the field of global vacuum technology.

03 Core Values

Customer First · Innovation Driven · Excellent Quality · Teamwork

04 People Concept

Cooperation · Growth · Creation · Win-win

Company History

2007

PULI company was established with the brand name PVX, and started the R&D, production and sales of dry rotary vane vacuum pumps.

2009

Establishment of vacuum pump maintenance and repair Department.

2013

Three new MAZAK CNC machines were added to produce dry screw pumps and claw pumps.

2015

The sales of dry rotary vane vacuum pumps have surpassed 200,000 sets.

2017

High-quality supplier of vacuum pump spare parts.

2019

Established the Wordfik brand, focusing on the sales of vacuum pumps and parts in overseas markets.

2020

PULI and Wordfik merge to form Wordfik Group.

2024

Global sales of dry rotary vane vacuum pumps exceeded 1.5 million sets.

Wordfik Factory

Wordfik operates an 8,000m² production and storage center in Dongguan, with our vacuum pumps serving clients across key regions including Guangzhou, Changsha, Wuhan, and Zhejiang. We provide efficient door-to-door maintenance services nationwide, ensuring prompt support wherever our products are in operation.

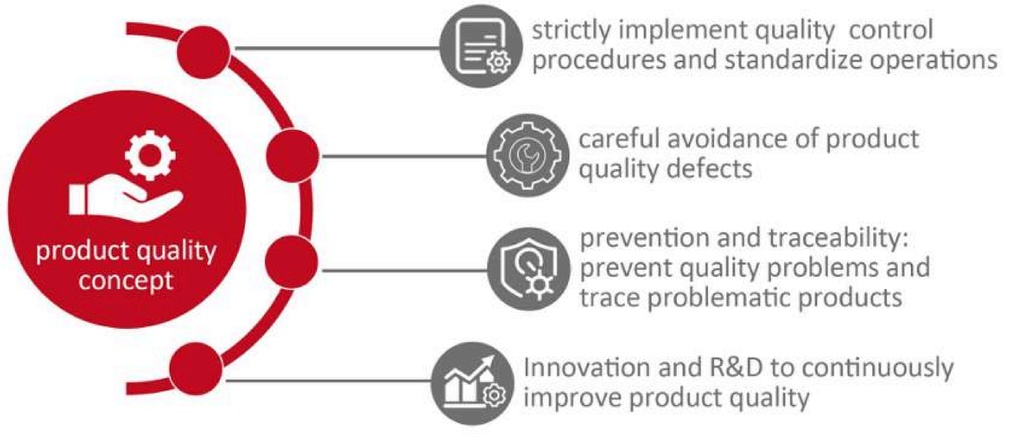
raw material quality inspection

CNC precision machining

CMM 3D inspection system

- Wordfik has a complete production quality control process, advanced testing equipment and an excellent quality control team,providing strict quality inspection for every product and ensuring the stability and safety of the product.
- Wordfik products have passed CE, ROHS, IE3, UL and other product testing certifications, and have passed ISO9001, SGS and other quality management system certifications.

CE ISO9001 ROHS SGS Certificted



Sales Network

- Wordfik has provided vacuum solutions to more than 80 countries and regions around the world.

- The business covers United States, Thailand, Russia, Brazil, South Africa, India, Italy, Sweden, Vietnam, Singapore, Indonesia, Australia, Netherlands, Israel, UAE, Saudi Arabia, Nigeria, Greece, Morocco, Spain...

- Wordfik has a strong sales and service team. We provide professional product consulting services and vacuum solution customization services before sales. At the same time, we can help you solve problems such as cargo transportation, customs clearance, and payment collection, so that you can worry-free before sales !

  Wordfik provides lifetime after-sales service guarantee, product repair and maintenance accessories and technical support, so that you can worry-free after sales !

  Wordfik is committed to one-stop vacuum service solutions !

Wordfik Products

Vacuum Solutions Supplier

Wordfik has been in the vacuum industry for 18 years, and its professional design team has provided vacuum solutions for various industries for more than 2,000 times. Tailor-made solutions for different industries truly enable customers to achieve energy saving, lower costs, reduced downtime, and simple maintenance.

Vacuum Pumps Manufacturer

We are a top manufacturer of dry vacuum pumps. Relying on intelligent production lines and full-process quality control systems, we provide customers with high-quality, cost-effective vacuum products and truly provide customers with one-stop vacuum solutions.

Wordfik offers more than 150 models of vacuum pumps to meet the vacuum needs of various industries. The core products focus on the following series :

Dry Rotary Vane

Oil-Lubricated Rotary Vane

Dry Claw Vacuum Pump

Vacuum Systems / Solutions

Two-Stage Oil-Lubricated

Dry Screw Vacuum Pump

Permanent Magnet VFD Dry Screw

Low-Oil Screw Vacuum Pump

Roots Booster Vacuum Pump

Liquid Ring Vacuum Pump

VD Series
Dry Rotary Vane
Vacuum Pumps

Scan to get
more details

The Wordfik VD series dry rotary vane vacuum pump has a simple structure and adopts single-axis direct drive. It has low maintenance cost, long service life and is sturdy and durable.
The dry rotary vane pump operates 100% oil-free and with low noise. The precise matching of the rotor and the graphite lubricated blades realizes gas suction and compression. No lubricating oil is required during the whole process, which completely avoids oil mist pollution. The VD series pump has extremely low maintenance cost, long continuous operation time, reduces downtime and improves production efficiency.

Quality in Details

Features

- 100% Oil-Free Operation
- Clean and No Pollution
- Minimal Maintenance
- Long Service Life
- Stable and Continuous Operation

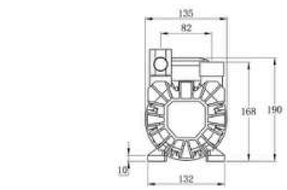
Application

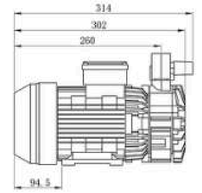
CNC Router / Woodworking | Printing and Paper Industry | Automation | Vacuum Lifter | Packaging Industry | Plastics Industry

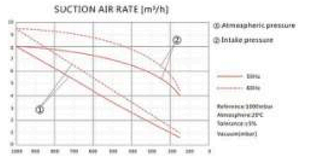
Models	Frequency	Pumping Speed	Ultimate Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed 3ph	Motor Speed 1ph	Noise Level	Inlet Connection	Weight	Dimensions
VD8	50 Hz	8 m³/h	150 mbar	0.37 kW	Δ 175-260 V Y 300-450 V	220-240 V	1420 rpm	1380 rpm	58 dB	G ⅜ in	13 kg	261*173*150 mm
	60 Hz	9.6 m³/h	150 mbar	0.44 kW	Δ 202-300 V Y 350-520 V	220-240 V	1700 rpm	1630 rpm	58 dB			
VD10	50 Hz	10 m³/h	150 mbar	0.37 kW	Δ 175-260 V Y 300-450 V	230V±10%	1420 rpm		60 dB	G ½ in	15 kg	430*205*198 mm
	60 Hz	12 m³/h	150 mbar	0.44 kW	Δ 202-300 V Y 350-520 V	230V±10%	1700 rpm		62 dB			
VD16	50 Hz	16 m³/h	150 mbar	0.55 kW	Δ 175-260 V Y 300-450 V	230V±10%	1420 rpm		61 dB	G ½ in	22 kg	450*225*215 mm
	60 Hz	19.2 m³/h	150 mbar	0.66 kW	Δ 202-300 V Y 350-520 V	230V±10%	1700 rpm		64 dB			
VD25	50 Hz	25 m³/h	150 mbar	0.75 kW	Δ 190-255 V Y 330-440 V	230V±10%	1420 rpm		62 dB	G ¾ in	28 kg	502*252*292 mm
	60 Hz	30 m³/h	150 mbar	0.9 kW	Δ 190-290 V Y 330-500 V	230V±10%	1700 rpm		67 dB			
VD40	50 Hz	40 m³/h	150 mbar	1.25 kW	Δ 190-255 V Y 330-440 V	230V±10%	1420 rpm		67 dB	G ¾ in	39 kg	570*270*292 mm
	60 Hz	48 m³/h	150 mbar	1.5 kW	Δ 190-290 V Y 330-500 V	230V±10%	1700 rpm		72 dB			

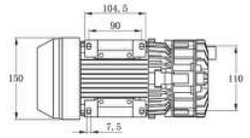
* Please contact us for model brochure

VD8

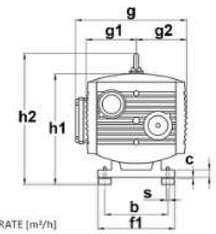


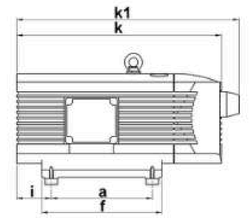


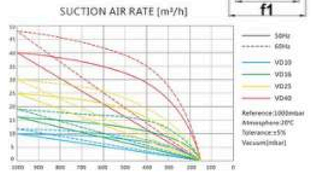


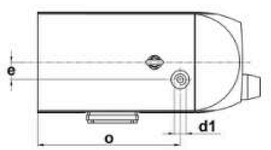


VD10 ~ VD40







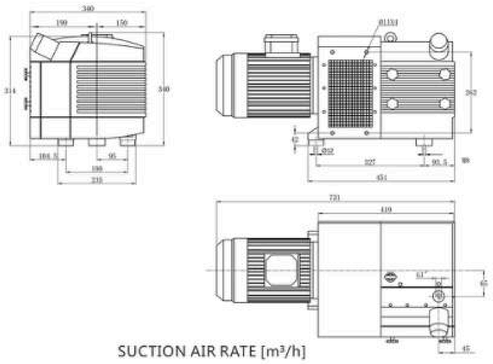


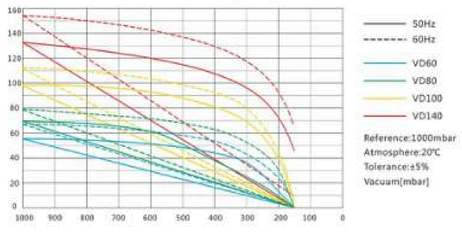
(mm)	a	b	c	d1	e	f	f1	g	g1	g2	h1	h2	i	k	k1
VD10	205	128	15	G½"	35	244	156	205	89	89	189	198	62	387	430
VD16	205	128	15	G½"	35	244	156	225	102	102	210	215	70	415	450
VD25	220	198	15	G¾"	40	260	240	252	125	125	247	292	97	465	502
VD40	220	198	15	G¾"	40	260	240	270	125	125	247	292	136	531	570

Models	Frequency	Pumping Speed	Ultimate Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed 3ph	Motor Speed 1ph	Noise Level	Inlet Connection	Weight	Dimensions
VD60	50 Hz	60 m³/h	150 mbar	2.2 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	/	71 dB	G 1 in	70 kg	729*340*340 mm
	60 Hz	72 m³/h	150 mbar	2.6 kW	Δ 230V±10% Y 400V±10%	/	1700 rpm	/	73 dB			
VD80	50 Hz	80 m³/h	150 mbar	2.2 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	/	72 dB	G 1 in	70 kg	731*340*340 mm
	60 Hz	96 m³/h	150 mbar	2.6 kW	Δ 230V±10% Y 400V±10%	/	1700 rpm	/	75 dB			
VD100	50 Hz	100 m³/h	150 mbar	3 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	/	75 dB	G 1½ in	105 kg	870*460*382 mm
	60 Hz	120 m³/h	150 mbar	3.6 kW	Δ 230V±10% Y 400V±10%	/	1700 rpm	/	76 dB			
VD140	50 Hz	140 m³/h	150 mbar	4 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	/	77 dB	G 1½ in	115 kg	870*460*382 mm
	60 Hz	168 m³/h	150 mbar	4.8 kW	Δ 230V±10% Y 400V±10%	/	1700 rpm	/	79 dB			
VD160	50 Hz	160 m³/h	150 mbar	5.5 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	/	77 dB	G 1½ in	126 kg	923*460*382 mm
	60 Hz	192 m³/h	150 mbar	6.6 kW	Δ 230V±10% Y 400V±10%	/	1700 rpm	/	79 dB			

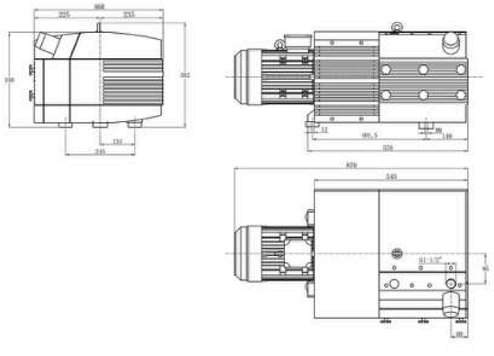
* Please contact us for model brochure

VD60 ~ VD80





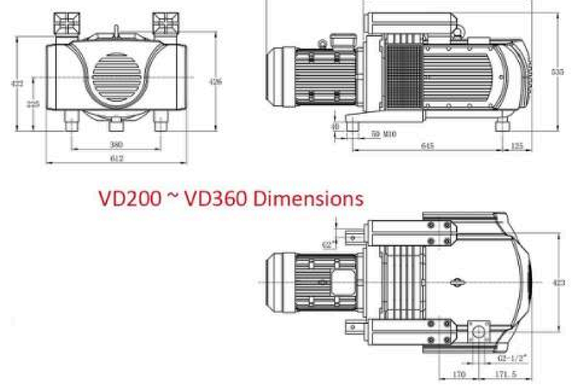
VD100 ~ VD160



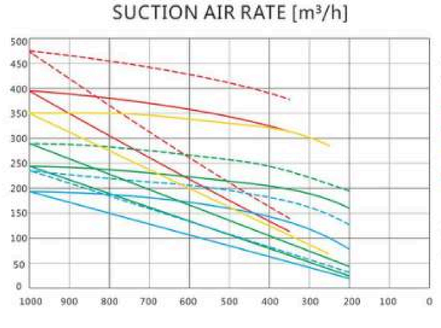
Models	Frequency	Pumping Speed	Ultimate Pressure	Motor Power	Motor Voltage 3ph	Motor Speed 3ph	Noise Level	Inlet Connection	Outlet Connection	Weight	Dimensions
VD200	50 Hz	200 m³/h	200 mbar	4 kW	Δ 230V±10% Y 400V±10%	960 rpm	75 dB	G 2½ in	G 2 in	258 kg	1210*612*535 mm
	60 Hz	240 m³/h	200 mbar	4.8 kW	Δ 230V±10% Y 400V±10%	1150 rpm	77 dB				
VD250	50 Hz	250 m³/h	200 mbar	7.5 kW	Δ 230V±10% Y 400V±10%	960 rpm	81 dB	G 2½ in	G 2 in	280 kg	1210*612*535 mm
	60 Hz	300 m³/h	200 mbar	9 kW	Δ 230V±10% Y 400V±10%	1150 rpm	81 dB				
VD360	50 Hz	351 m³/h	250 mbar	11 kW	Δ 230V±10% Y 400V±10%	1430 rpm	80.5 dB	G 2½ in	G 2 in	312 kg	1210*612*535 mm
	/	/	/	/	/	/	/				
VD400	50 Hz	400 m³/h	350 mbar	11 kW	Δ 230V±10% Y 400V±10%	960 rpm	81 dB	G 3 in	G 2½ in	320 kg	1260*612*550 mm
	60 Hz	480 m³/h	350 mbar	13.2 kW	Δ 230V±10% Y 400V±10%	1150 rpm	/				

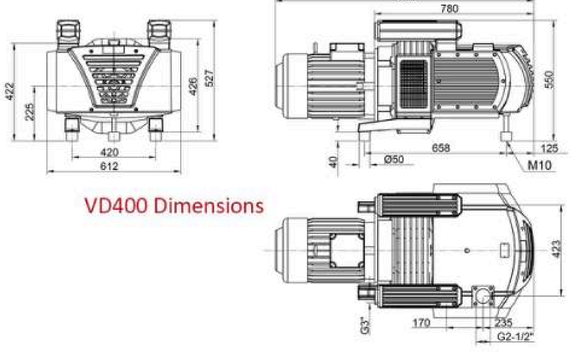
* Please contact us for model brochure

VD200 ~ VD400



VD200 ~ VD360 Dimensions





VD400 Dimensions

TD Series
Dry Rotary Vane Compressors

Scan to get more details

Wordfik TD series dry rotary vane compressor has the same mechanical structure as the dry rotary vane vacuum pump. The simple structure requires only a small amount of maintenance but has a long service life.
Compared with ordinary compressors, the TD series compressor is compact and occupies a small area. It is an oil-free device that achieves gas pressurization through rotating blades. Its core features are oil-free lubrication design, high output pressure, and low pollution emissions. It is mainly used in scenarios that require a stable positive pressure gas supply. It has a wide range of applications in the printing industry, environmental protection industry, mechanical engineering and other industries.

Quality in Details

Features

- 100% Oil-Free Operation
- Clean and No Pollution
- Minimal Maintenance
- Long Service Life
- Stable and Continuous Operation

Application

CNC Router / Woodworking | Printing and Paper Industry | Environmental Industry | Medical Industry | Mechanical Engineering | Semiconductor Industry

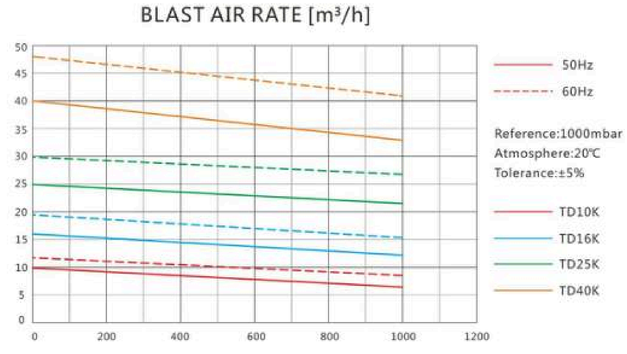
Models	Frequency	Pumping Speed	Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed	Noise Level	Pressure Connection	Weight	Dimensions
TD10	50 Hz	10 m³/h	+1000 mbar	0.37 kW	Δ 175-260 V Y 300-450 V	230V±10%	1420 rpm	62 dB	G ½ in	16 kg	430*205*215 mm
	60 Hz	12 m³/h	+1000 mbar	0.44 kW	Δ 202-300 V Y 350-520 V	230V±10%	1700 rpm				
TD16K	50 Hz	16 m³/h	+1000 mbar	0.75 kW	Δ 175-260 V Y 300-450 V	230V±10%	1420 rpm	64 dB	G ½ in	23.5 kg	475*283*230 mm
	60 Hz	19.2 m³/h	+1000 mbar	0.9 kW	Δ 202-300 V Y 350-520 V	230V±10%	1700 rpm				
TD25K	50 Hz	25 m³/h	+1000 mbar	1.25 kW	Δ 190-255 V Y 330-440 V	230V±10%	1420 rpm	65 dB	G ¾ in	36.5 kg	535*320*295 mm
	60 Hz	30 m³/h	+1000 mbar	1.5 kW	Δ 190-290 V Y 330-500 V	230V±10%	1700 rpm				
TD40K	50 Hz	40 m³/h	+1000 mbar	1.85 kW	Δ 190-255 V Y 330-440 V	230V±10%	1420 rpm	67 dB	G ¾ in	46 kg	670*320*295 mm
	60 Hz	48 m³/h	+1000 mbar	2.2 kW	Δ 190-290 V Y 330-500 V	230V±10%	1700 rpm				
KTD60	50 Hz	60 m³/h	+1500 mbar	3 kW	Δ 230V±10% Y 400V±10%	/	1450 rpm	72 dB	G 1 in	69 kg	703*340*340 mm
	60 Hz	72 m³/h	+1500 mbar	3.6 kW	Δ 230V±10% Y 400V±10%	/	1740 rpm				
KTD80	50 Hz	80 m³/h	+1500 mbar	4 kW	Δ 230V±10% Y 400V±10%	/	1450 rpm	74 dB	G 1 in	77 kg	703*340*340 mm
	60 Hz	96 m³/h	+1500 mbar	4.8 kW	Δ 230V±10% Y 400V±10%	/	1740 rpm				
KTD100	50 Hz	100 m³/h	+1500 mbar	5.5 kW	Δ 230V±10% Y 400V±10%	/	1450 rpm	76 dB	G 1½ in	127 kg	895*460*382 mm
	60 Hz	120 m³/h	+1500 mbar	6.6 kW	Δ 230V±10% Y 400V±10%	/	1740 rpm				
KTD140	50 Hz	140 m³/h	+1500 mbar	7.5 kW	Δ 230V±10% Y 400V±10%	/	1450 rpm	82 dB	G 1½ in	127 kg	926*460*382 mm
	60 Hz	168 m³/h	+1500 mbar	9 kW	Δ 230V±10% Y 400V±10%	/	1740 rpm				

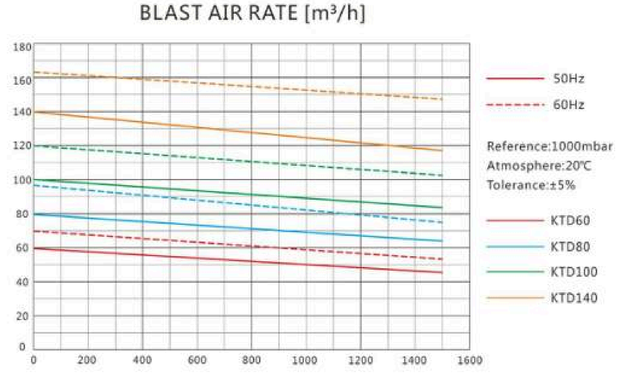
* Please contact us for model brochure

TD10 ~ TD40K

KTD60 & KTD80

KTD100 & KTD140





PVT Series
Vacuum & Pressure
Compound Pumps

Scan to get more details

The Wordfik PVT series pump is an innovative vacuum and pressure combination pump. It combines the functions of vacuum and compression, and the ability to suck and blow air at the same time makes it very popular in the printing and paper industry.
Its basic structure is similar as the dry rotary vane vacuum pump, and it operates 100% oil-free, has low maintenance costs and a long service life. Wordfik specially designed a compound pump with two suction ports to meet the vacuum requirements of different industries

Quality in Details

Features

- Multi-function
- 100% Oil-Free Operation
- Clean and No Pollution
- Minimal Maintenance
- Long Service Life
- Stable and Continuous Operation

Application

CNC Router / Woodworking | Printing and Paper Industry | Mechanical Engineering | Energy Delivery | Semiconductor Industry | Plastics Industry

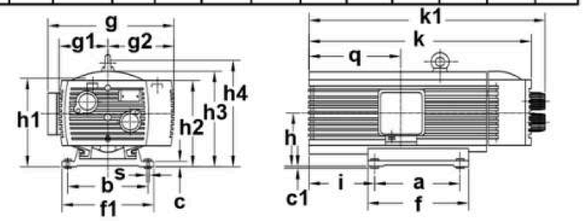
Models	Frequency	Pumping Speed	Vacuum	Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed	Noise Level	Inlet Connection	Pressure Connection	Weight	Dimensions
PVT16	50 Hz	16 m³/h	-600 mbar	+600 mbar	0.75 kW	Δ 195-255 V Y 330-440 V	230V±10%	1420 rpm	69 dB	G ½ in	G ½ in	36 kg	475*283*225 mm
	60 Hz	20 m³/h	-600 mbar	+600 mbar	0.9 kW	Δ 190-290 V Y 330-550 V	230V±10%	1700 rpm					
PVT25	50 Hz	25 m³/h	-600 mbar	+600 mbar	1.25 kW	Δ 195-255 V Y 330-440 V	230V±10%	1420 rpm	69 dB	G ¾ in	G ¾ in	36 kg	535*320*253 mm
	60 Hz	30 m³/h	-600 mbar	+600 mbar	1.5 kW	Δ 190-290 V Y 330-550 V	230V±10%	1700 rpm					
PVT40	50 Hz	40 m³/h	-600 mbar	+600 mbar	1.85 kW	Δ 195-255 V Y 330-440 V	230V±10%	1420 rpm	68 dB	G ¾ in	G ¾ in	45 kg	620*320*253 mm
	60 Hz	48 m³/h	-600 mbar	+600 mbar	2.2 kW	Δ 190-290 V Y 330-550 V	230V±10%	1700 rpm					
PVT60	50 Hz	60 m³/h	-600 mbar	+600 mbar	3 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	75 dB	G 1 in	G 1 in	74 kg	729*340*340 mm
	60 Hz	72 m³/h	-600 mbar	+600 mbar	3.6 kW	Δ 230V±10% Y 400V±10%	/	1710 rpm					
PVT80	50 Hz	80 m³/h	-600 mbar	+600 mbar	4 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	75 dB	G 1 in	G 1 in	79 kg	731*340*340 mm
	60 Hz	96 m³/h	-600 mbar	+600 mbar	4.8 kW	Δ 230V±10% Y 400V±10%	/	1710 rpm					

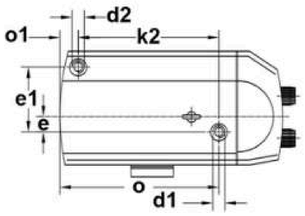
* Please contact us for model brochure

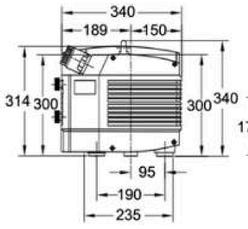
(mm)	a	b	c	d1	d2	e	e1	f	f1	g	g1	g2	h	h1	h2	h3	h4	i	k	k1	o	o1
PVT16	205	128	15	G½	G½	38	155	242	155	283	116	155.5	130	198	200	225	230	90	435	475	305	52
PVT25	220	198	15	G¾	G¾	40	170	260	240	320	125	173	140	227	227	253	295	130	505	535	344	52.5
PVT40	220	198	15	G¾	G¾	40	170	260	240	320	125	173	140	227	227	253	295	177.5	585	620	415	53

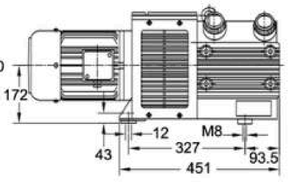
PVT16 ~ PVT40

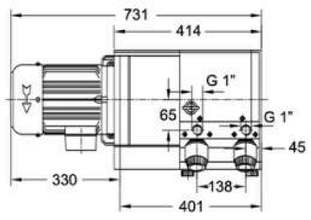
PVT60 & PVT80







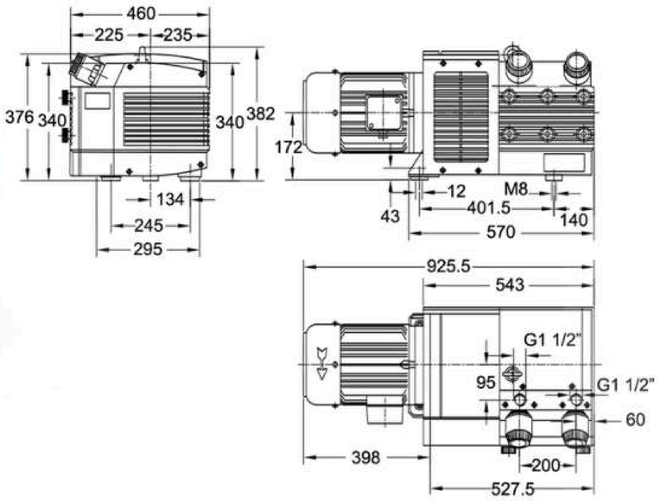




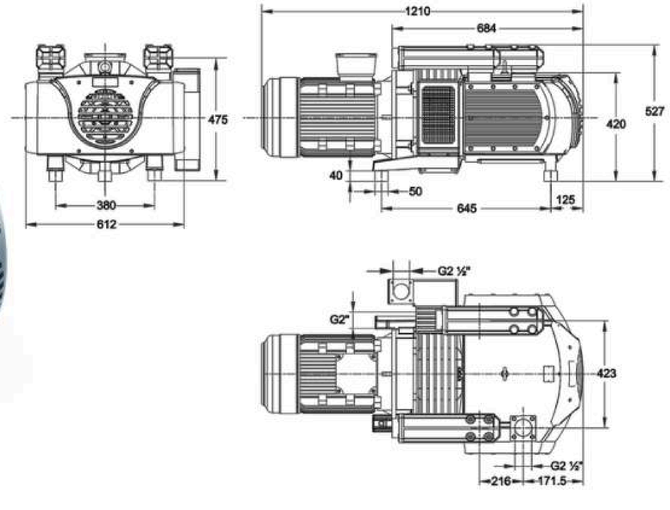
Models	Frequency	Pumping Speed	Vacuum	Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed	Noise Level	Inlet Connection	Pressure Connection	Weight	Dimensions
PVT100	50 Hz	100 m³/h	-600 mbar	+600 mbar	5.5 kW	Δ 230V±10% Y 400V±10%	/	1430 rpm	77 dB	G 1½ in	G 1½ in	129 kg	895*460*382 mm
	60 Hz	120 m³/h	-600 mbar	+600 mbar	6.6 kW	Δ 230V±10% Y 400V±10%	/	1720 rpm					
PVT140	50 Hz	140 m³/h	-600 mbar	+600 mbar	7.5 kW	Δ 230V±10% Y 400V±10%	/	1430 rpm	78 dB	G 1½ in	G 1½ in	140 kg	926*460*382 mm
	60 Hz	168 m³/h	-600 mbar	+600 mbar	9 kW	Δ 230V±10% Y 400V±10%	/	1720 rpm					
PVT200	50 Hz	200 m³/h	-500 mbar	+500 mbar	5.5 kW	Δ 230V±10% Y 400V±10%	/	960 rpm	75 dB	G 2½ in	G 2½ in	280 kg	1210*612*527 mm
	60 Hz	240 m³/h	-500 mbar	+500 mbar	6.6 kW	Δ 230V±10% Y 400V±10%	/	1150 rpm	77 dB				
PVT250	50 Hz	250 m³/h	-500 mbar	+500 mbar	7.5 kW	Δ 230V±10% Y 400V±10%	/	960 rpm	81 dB	G 2½ in	G 2½ in	312 kg	1210*612*527 mm
	60 Hz	300 m³/h	-500 mbar	+500 mbar	9 kW	Δ 230V±10% Y 400V±10%	/	1150 rpm					

* Please contact us for model brochure

PVT100 & PVT140



PVT200 & PVT250

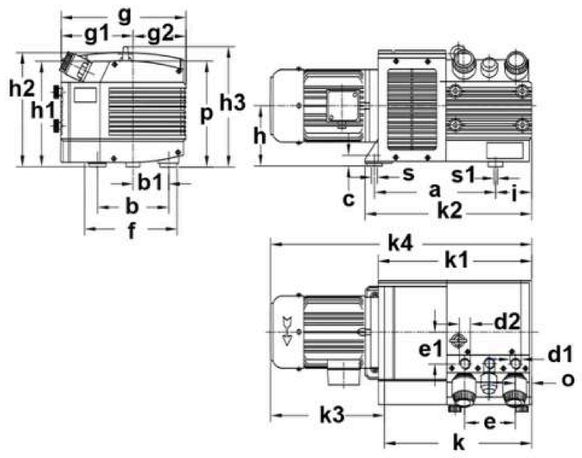


Models	Frequency	Pumping Speed	Vacuum	Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed	Noise Level	Inlet Connection	Pressure Connection	Weight	Dimensions
PVDT60	50 Hz	60 m³/h	-600 mbar	+600 mbar	3 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	75 dB	G 1 in G ¾ in	G 1 in	74 kg	729*340*340 mm
	60 Hz	72 m³/h	-600 mbar	+600 mbar	3.6 kW	Δ 230V±10% Y 400V±10%	/	1710 rpm					
PVDT80	50 Hz	80 m³/h	-600 mbar	+600 mbar	4 kW	Δ 230V±10% Y 400V±10%	/	1420 rpm	75 dB	G 1 in G ¾ in	G 1 in	79 kg	731*340*340 mm
	60 Hz	96 m³/h	-600 mbar	+600 mbar	4.8 kW	Δ 230V±10% Y 400V±10%	/	1710 rpm					
PVDT100	50 Hz	100 m³/h	-600 mbar	+600 mbar	5.5 kW	Δ 230V±10% Y 400V±10%	/	1430 rpm	77 dB	G 1½ in G 1 in	G 1½ in	129 kg	895*460*382 mm
	60 Hz	120 m³/h	-600 mbar	+600 mbar	6.6 kW	Δ 230V±10% Y 400V±10%	/	1720 rpm					
PVDT140	50 Hz	140 m³/h	-600 mbar	+600 mbar	7.5 kW	Δ 230V±10% Y 400V±10%	/	1430 rpm	78 dB	G 1½ in G 1 in	G 1½ in	140 kg	926*460*382 mm
	60 Hz	168 m³/h	-600 mbar	+600 mbar	9 kW	Δ 230V±10% Y 400V±10%	/	1720 rpm					

* Please contact us for model brochure

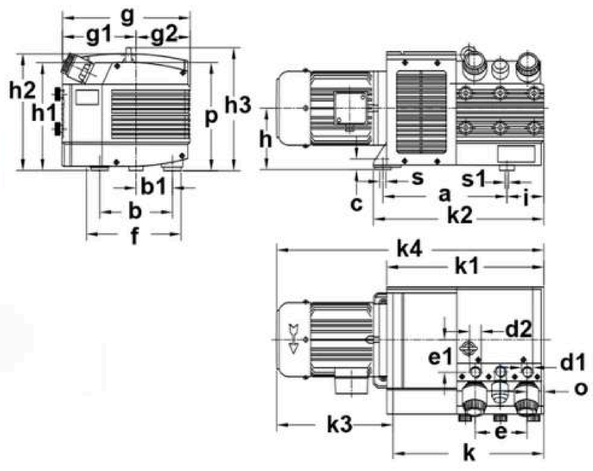
Special Models : Two Suction Connections

PVDT60 & PVDT80



* Please contact us for detailed dimensions

PVDT100 & PVDT140



PVX Series
Oil-Lubricated Rotary Vane Vacuum Pumps

Scan to get more details

Wordfik PVX Series oil-lubricated rotary vane pump is a traditional vacuum equipment that uses lubricating oil to achieve sealing, cooling and lubrication. It is widely used in the industrial field for its high vacuum, stability and economy. It has excellent performance in vacuum packaging, vacuum drying, vacuum refrigeration, vacuum distillation and other fields.

PVX series vacuum pumps use circulating oil lubrication for continuous operation. The advanced oil mist separator can effectively separate the sealing oil and the pumping medium to ensure the effective recycling of the oil. High-performance carbon fiber vanes or epoxy resin vanes make the pump work longer.

Quality in Details

Features

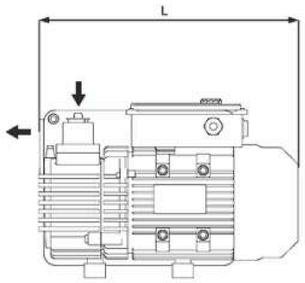
- Energy Saving
- Efficient Anti-Corrosion Protection
- Excellent Performance
- Easy to Maintenance
- Long Service Life
- Stable and Continuous Operation

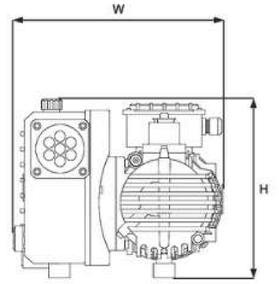
Application

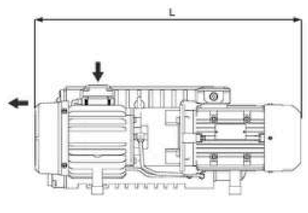
Vacuum Packaging | Vacuum Drying | vacuum Distillation | Vacuum Forming | Vacuum Metallurgy | Medical Industry

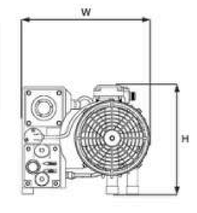
Models	Frequency	Pumping Speed	Ultimate Pressure	Motor Power	Motor Voltage 3ph	Motor Voltage 1ph	Motor Speed	Noise Level	Gas Inlet	Gas Outlet	Water Vapor Tolerance	Oil Capacity	Weight	Dimensions
PVX16	50 Hz	16 m³/h	1 mbar	0.55 kW	Δ 200-230 V Y 380-415 V	220V±10%	2800 rpm	64 dB	G ½ in	/	/	0.4 L	16 kg	308*213*207 mm
	60 Hz	19 m³/h	1 mbar	0.55 kW	Δ 200-230 V Y 380-415 V	220V±10%	3300 rpm							
PVX25D	50 Hz	20 m³/h	1 mbar	0.75 kW	Δ 200-230 V Y 380-415 V	220V±10%	2880 rpm	65 dB	G ½ in	G ¾ in	0.4 kg/h	0.45 L	19.5 kg	317*249*219 mm
	60 Hz	24 m³/h	1 mbar	0.75 kW	Δ 200-230 V Y 380-415 V	220V±10%	3440 rpm							
PVX25	50 Hz	24 m³/h	0.5 mbar	0.75 kW	Δ 200-230 V Y 380-415 V	230V±10%	2800 rpm	65 dB	G ½ in or G ¾ in	/	0.5 kg/h	0.75 L	22 kg	431*245*218 mm
	60 Hz	28 m³/h	0.5 mbar	0.9 kW	Δ 200-230 V Y 380-415 V	230V±10%	3300 rpm	66 dB						
PVX40	50 Hz	40 m³/h	0.5 mbar	1.1 kW	Δ 200-230 V Y 380-415 V	230V±10%	1450 rpm	64 dB	G 1¼ in	G 1¼ in	0.7 kg/h	1.5 L	44 kg	647*307*270 mm
	60 Hz	48 m³/h	0.5 mbar	1.5 kW	Y 440-460 V	230V±10%	1700 rpm	65 dB					46 kg	672*307*270 mm

* Please contact us for model brochure







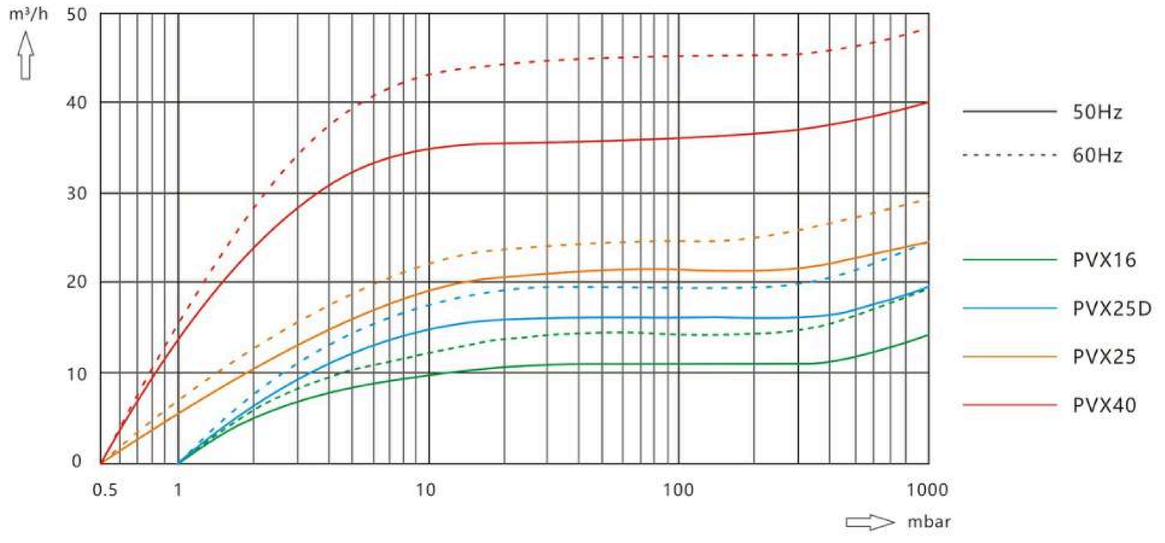


PVX25D

PVX40

Pumping Speed

Air at 20℃ Tolerance : ±10%

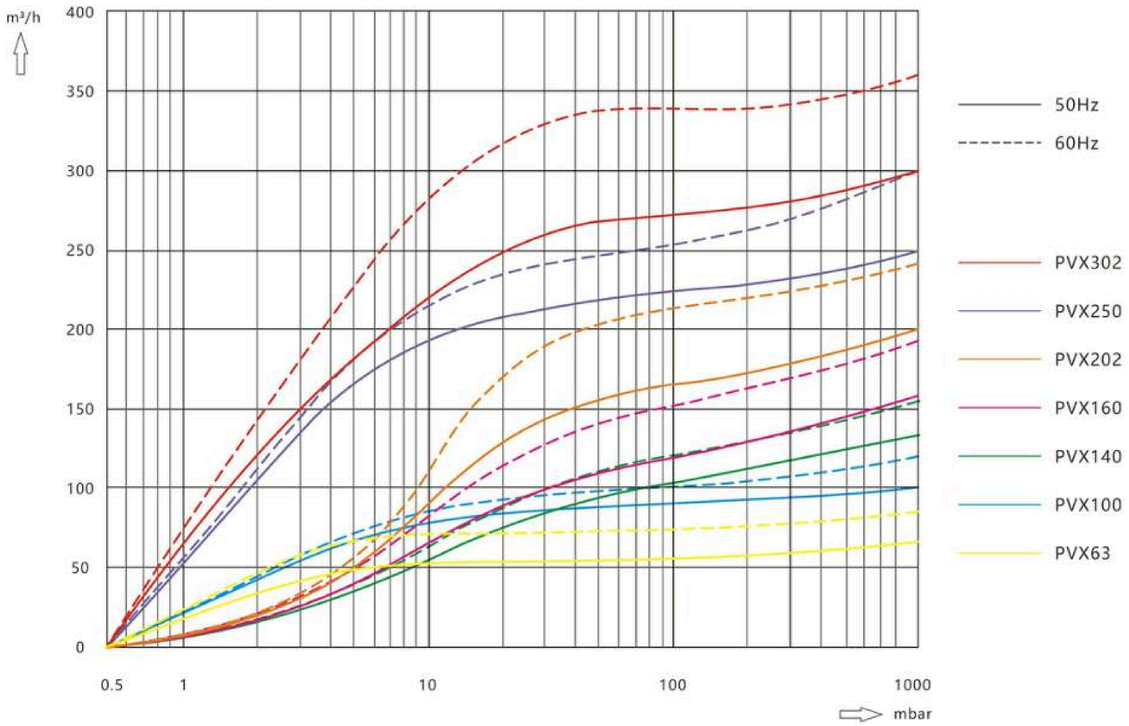


Models	Frequency	Pumping Speed	Ultimate Pressure	Motor Power	Motor Voltage 3ph	Motor Speed	Noise Level	Gas Inlet	Gas Outlet	Water Vapor Tolerance	Oil Capacity	Weight	Dimensions
PVX63	50 Hz	63 m³/h	0.5 mbar	1.5 kW	Δ 200-230 V Y 380-415 V	1450 rpm	65 dB	G 1¼ in	G 1¼ in	1 kg/h	2 L	54 kg	640*405*290 mm
	60 Hz	78 m³/h	0.5 mbar	2.2 kW	Y 440-460 V	1700 rpm	66 dB					59 kg	
PVX100	50 Hz	100 m³/h	0.5 mbar	2.2 kW	Δ 200-230 V Y 380-415 V	1450 rpm	66 dB	G 1¼ in	G 1¼ in	1.5 kg/h	2 L	69 kg	710*405*290 mm
	60 Hz	120 m³/h	0.5 mbar	3 kW	Y 440-460 V	1700 rpm	67 dB					75 kg	
PVX140	50 Hz	132 m³/h	0.5 mbar	4 kW	Δ 200-230 V Y 380-415 V	1450 rpm	68 dB	G 1½ in	G 1½ in	2 kg/h	4 L	109 kg	800*470*347 mm
	60 Hz	158 m³/h	0.5 mbar	5.5 kW	Y 440-460 V	1700 rpm	69 dB			2.5 kg/h		115 kg	825*470*347 mm
PVX160	50 Hz	160 m³/h	0.5 mbar	4 kW	Δ 380-415 V Y 660-690 V	1450 rpm	72 dB	G 2 in	G 2 in	2.5 kg/h	8 L	142 kg	760*500*411 mm
	60 Hz	192 m³/h	0.5 mbar	5.5 kW	Y 440-460 V	1700 rpm	73 dB			4 kg/h		155 kg	
PVX202	50 Hz	200 m³/h	0.5 mbar	5.5 kW	Δ 380-415 V Y 660-690 V	1450 rpm	73 dB	G 2 in	G 2 in	2.5 kg/h	8 L	145 kg	795*500*411 mm
	60 Hz	240 m³/h	0.5 mbar	5.5 kW	Y 440-460 V	1700 rpm	74 dB			4 kg/h		160 kg	
PVX250	50 Hz	250 m³/h	0.5 mbar	7.5 kW	Δ 380-415 V Y 660-690 V	1450 rpm	72 dB	G 2 in	G 2 in	3.5 kg/h	10 L	192 kg	976*605*411 mm
	60 Hz	300 m³/h	0.5 mbar	7.5 kW	Y 440-460 V	1700 rpm	73 dB			4.5 kg/h			
PVX302	50 Hz	300 m³/h	0.5 mbar	7.5 kW	Δ 380-415 V Y 660-690 V	1450 rpm	72 dB	G 2 in	G 2 in	4.5 kg/h	10 L	198 kg	1006*605*411 mm
	60 Hz	360 m³/h	0.5 mbar	7.5 kW	Y 440-460 V	1700 rpm	73 dB						

* Please contact us for model brochure

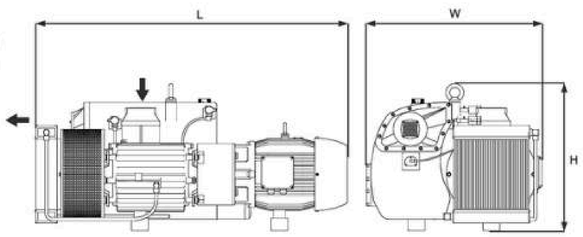
Pumping Speed

Air at 20℃ Tolerance : ±10%



	PVX630 (50Hz)	PVX630 (60Hz)
Pumping Speed	630 m³/h	760 m³/h
Ultimate Pressure (Gas-ballast valve closed)	0.1-0.5 mbar	0.1-0.5 mbar
Ultimate Pressure (Gas-ballast valve open)	0.5-1 mbar	0.5-1 mbar
Motor Power	18.5 kW	18.5 kW
Rated Voltage (3ph)	Δ 380-415V Y 660-690V	Δ 460 V
Motor Speed	970-980 rpm	1175 rpm
Noise Level	80 dB(A)	80 dB(A)
Inlet Connection	DN80	DN80
Outlet Connection	DN80	DN80
Water Vapor Tolerance	7.5 kg/h	7.5 kg/h
Oil Capacity	25 L	25 L
Cooling Method	Air / Water Cooled	Air / Water Cooled
Weight	550 kg	550 kg
Dimensions	1780*900*754 mm	1780*900*754 mm

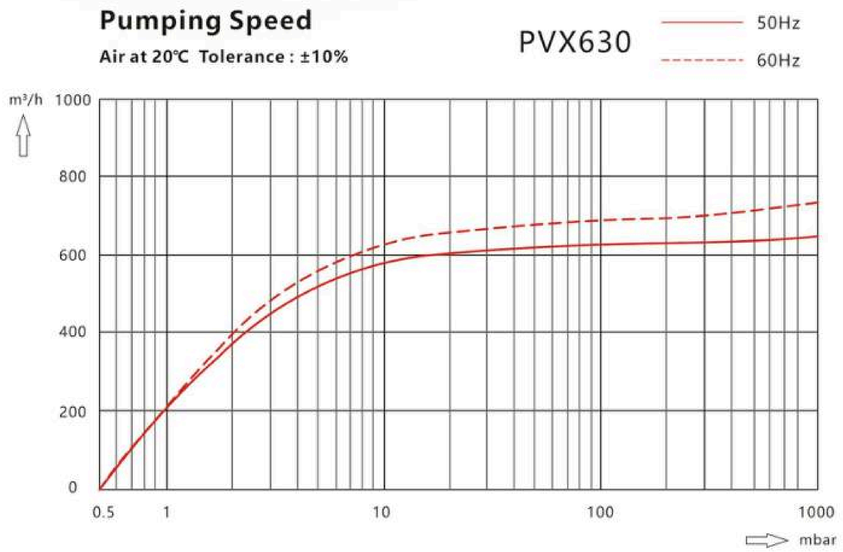
* Please contact us for model brochure



Pumping Speed

Air at 20℃ Tolerance : ±10%

PVX630



ZSV Series Oil-Free Claw Vacuum Pumps

Scan to get more details

Wordfik ZSV series claw vacuum pump is a rotary volumetric vacuum pump with a claw shaped rotor. The pump housing has two conjugate meshing claw shaped rotors, similar to the Roots vacuum pump. The rotors are driven to rotate and have a fixed phase by a pair of synchronous high-precision gears, and there is no contact between the rotors or between the rotors and the pump housing, leaving a small gap. The inlet and outlet of the gas are both located on the end face of the pump casing, and are periodically opened and closed by two rotor end faces, with a valve regulating effect.
ZSV series vacuum pumps are suitable for low and medium vacuum fields, mainly used to extract air and other dry gases. They can be used alone or in series or parallel (series connection can increase vacuum degree, parallel connection can increase pumping rate), and can also be used as the fore pump of other vacuum pumps. This series of vacuum pumps has the characteristics of reliable operation performance, few wearing parts, low vibration, low noise and high efficiency.

Features

- 100% Oil-Free Operation is Environmentally Friendly
- Low Noise and Vibration
- Can Absorb Corrosive, Toxic, Radioactive and Dusty gases
- No Need for Regular Maintenance, Saving Costs
- No Metal Friction, Low Operating Temperature
- Long Service Life

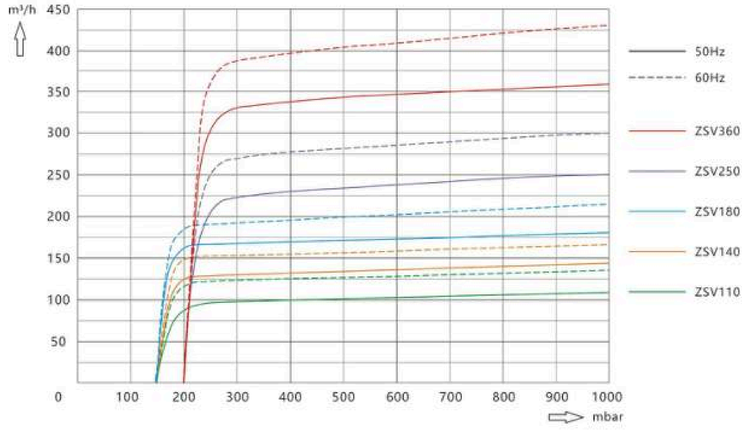
Application

Vacuum Coating | Semiconductor Industry | Pharmaceutical Industry | Automotive Industry | Industrial Waste Gas Treatment | Vacuum Degassing

		ZSV110	ZSV140	ZSV180	ZSV250	ZSV360	ZSV650	ZSV900
Pumping Speed	50Hz	108 m³/h	140 m³/h	180 m³/h	252 m³/h	360 m³/h	648 m³/h	900 m³/h
	60Hz	129 m³/h	165 m³/h	215 m³/h	300 m³/h	430 m³/h	775 m³/h	1080 m³/h
Ultimate Pressure	Air Cooled	150 mbar	150 mbar	150 mbar	200 mbar	200 mbar	/	/
	Water Cooled	/	/	/	80 mbar	80 mbar	80 mbar	80 mbar
Motor Power	50Hz	3 kW	3 kW	4 kW	5.5 kW	7.5 kW	11 kW	18.5 kW
	60Hz	3.6 kW	3.6 kW	4.8 kW	6.6 kW	7.5 kW	13.2 kW	22 kW
Motor Speed	50Hz	3000 rpm	3000 rpm	3000 rpm	3000 rpm	3000 rpm	3000 rpm	3000 rpm
	60Hz	3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm	3600 rpm
Noise Level	50Hz	75 dB(A)	75 dB(A)	75 dB(A)	75 dB(A)	77 dB(A)	73 dB(A)	79 dB(A)
	60Hz	79 dB(A)	79 dB(A)	79 dB(A)	79 dB(A)	82 dB(A)	77 dB(A)	82 dB(A)
Oil Capacity (Gear lubricant)		0.85 L	1 L	1 L	1 L	1 L	1.2 L	3.5 L
Inlet Connection		1¼ in	1¼ in	1¼ in	1¼ in	2 in / 1¼ in	3 in	3 in
Outlet Connection		1¼ in	1 in	1¼ in	1¼ in	1½ in / 1¼ in	3 in	3 in
Weight		185 kg	172 kg	195 kg	245 kg	265 kg	600 kg	750 kg
Dimensions		980*412*408 mm	1035*410*460 mm	980*412*408 mm	1209*510*450 mm	1209*510*450 mm	1110*580*800 mm	1340*580*780 mm

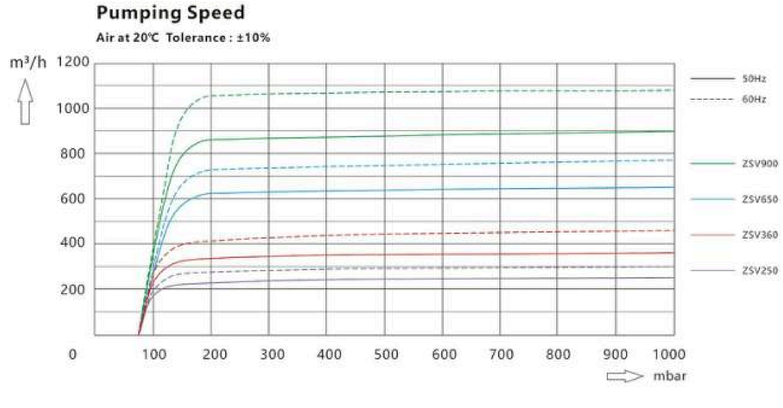
* Please contact us for model brochure

Pumping Speed
Air at 20℃ Tolerance : ±10%



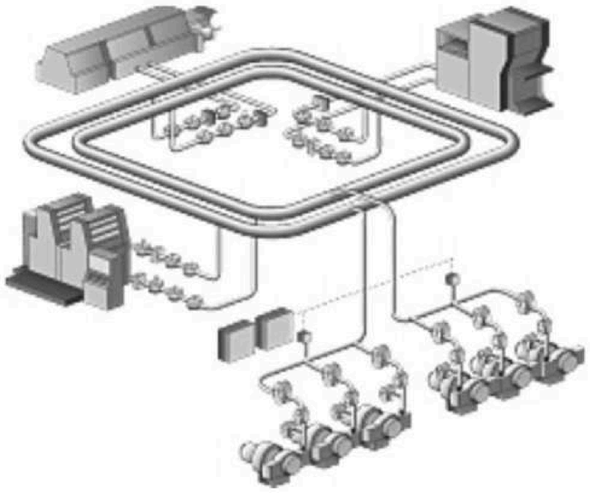
ZSV110~ZSV360
Air-Cooled

Pumping Speed
Air at 20℃ Tolerance : ±10%



ZSV360~ZSV900
Water-Cooled

Customized Vacuum Systems & Solutions



Scan to get more details

Wordfik has been in the vacuum industry for 18 years, and its professional design team has provided vacuum solutions for various industries for more than 2,000 times. Tailor-made solutions for different industries truly enable customers to achieve energy saving, lower costs, reduced downtime, and simple maintenance.
Wordfik usually adopts modular design, using dry rotary vane pumps, oil-lubricated rotary vane pumps, two-stage pumps, claw pumps, oil-free screw pumps and other vacuum pumps as the main working pumps, one or more vacuum equipment to form a vacuum pump system; they can also be combined with roots vacuum pumps to form a roots vacuum system. All vacuum systems are equipped with PLC intelligent controllers, which can achieve vacuum degree ±1% steady-state deviation control. Wordfik vacuum systems undergo helium mass spectrometer leak detection, 72-hour stability tests and other safety tests before leaving the factory to ensure the smooth operation of the system in customer production. Wordfik's innovative multi-stage pump group adaptive switching technology can save energy up to 30% for the entire vacuum system in production.

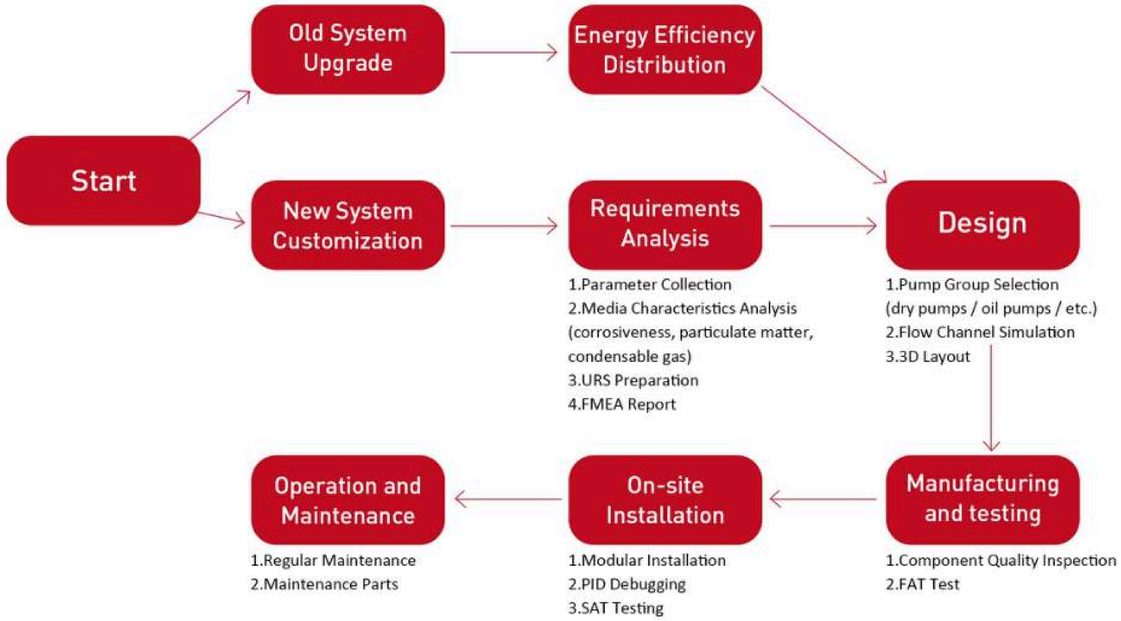
Features

- Regular Customization or Tailor-made
- Multi-stage Pump Group Adaptive Switching Technology, Energy Saving up to 30%
- Helium Mass Spectrometer Leak Detection, 72-hour Stablility Test before Leaving Factory
- PLC Intelligent Controller
- Reduce Working Environment Noise and Temperature
- Reduce Downtime and Maintenance Costs

Application

Hospital Vacuum System | Printing & Paper Industry | Lithium Battery Industry | Vacuum Packaging | Pharmaceutical Industry | Photovoltaic Industry

Vacuum Solution Delivery Process



Solution Showcases

Single Pump System (Woodworking Industry)

Duplex Pumps System (Packaging Industry)

Multi-pump System (Hospital Medical)

Roots Vacuum System (Marine Pressure Systems)

Liquid Ring Vacuum System (Chemical Industry)

Central Vacuum System (Printing & Paper Industry)

Roots Vacuum System

Oil-Lubricated Rotary Vane Roots Vacuum System

Main pump: Roots pump,which mainly plays the role of increasing exhaust speed and pressure in the vacuum system.

Pre-stage pump: Oil-lubricated rotary vane pumps, responsible for reducing system pressure to the starting threshold of Roots pump (such as 10-100 Pa).

Auxiliary system: including oil circuit circulation device, cooling system, electromagnetic charging valve (to prevent oil return during shutdown) and automatic controller.

The system is widely used in industrial scenarios that require high vacuum, stable pumping speed and anti-pollution ability, such as chemical, pharmaceutical, power, energy, food, medical and other industries.

Two-Stage Oil Rotary Vane Roots Vacuum System

Main pump: Roots pump,which mainly plays the role of increasing exhaust speed and pressure in the vacuum system.

Pre-stage pump: Two-stage oil-lubricated rotary vane vacuum pumps, responsible for reducing system pressure to the starting threshold of Roots pump (such as 10-100 Pa).

Auxiliary system: including oil circuit circulation device, cooling system, electromagnetic charging valve (to prevent oil return during shutdown) and automatic controller.

The system is widely used in industrial scenarios that require high vacuum, stable pumping speed and anti-pollution ability, such as photovoltaic coating, chemical solvent recovery, nuclear industry seal detection, medical freeze-drying equipment, etc.

Claw Roots Vacuum System

Main pump: Roots pump,which mainly plays the role of increasing exhaust speed and pressure in the vacuum system.

Pre-stage pump: Dry Claw vacuum pumps, responsible for reducing system pressure to the starting threshold of Roots pump (such as 10-100 Pa).

Auxiliary system: including oil circuit circulation device, cooling system, electromagnetic charging valve (to prevent oil return during shutdown) and automatic controller.

The system is widely used in industrial scenarios that require high vacuum, stable pumping speed and anti-pollution ability, such as chemical, pharmaceutical, power, energy, food, medical and other industries.

Screw Roots Vacuum System

Main pump: Roots pump,which mainly plays the role of increasing exhaust speed and pressure in the vacuum system.

Pre-stage pump: Oil-free screw vacuum pumps, responsible for reducing system pressure to the starting threshold of Roots pump (such as 10-100 Pa).

Auxiliary system: including oil circuit circulation device, cooling system, electromagnetic charging valve (to prevent oil return during shutdown) and automatic controller.

The system is widely used in industrial scenarios that require high vacuum, stable pumping speed and anti-pollution ability, such as chemical, pharmaceutical, power, energy, food, medical and other industries.

Liquid Ring Roots Vacuum System

Main pump: Roots pump,which mainly plays the role of increasing exhaust speed and pressure in the vacuum system.

Pre-stage pump: Liquid ring vacuum pumps, responsible for reducing system pressure to the starting threshold of Roots pump (such as 10-100 Pa).

Auxiliary system: including oil circuit circulation device, cooling system, electromagnetic charging valve (to prevent oil return during shutdown) and automatic controller.

The system is widely used in industrial scenarios that require high vacuum, stable pumping speed and anti-pollution ability, such as chemical, pharmaceutical, power, energy, food, medical and other industries.

PSV Series
Two-Stage Oil-Lubricated Rotary Vane Vacuum Pumps

Scan to get more details

Wordfik PSV series two-stage oil-lubricated vacuum pumps achieve higher vacuum and better performance through a two-stage series pumping structure. Gas enters the first-stage pump chamber through the air inlet, and the rotor rotates to drive the vanes to compress the gas and discharge it to the second-stage pump chamber, where it is further compressed to reduce the pressure to the high vacuum range. Higher ultimate vacuum can meet the special vacuum requirements of industries such as precision manufacturing and scientific research.

The innovative circulating oil supply system of the PSV series two-stage pump makes the industrial pump more stable and reduces the maintenance cost. The automatic anti-backflow oil valve and two-position adjustable air float ensure the reliability of the industrial pump. Due to their quiet operation, they are perfectly suited for applications where a low noise level is essential.

Quality in Details

Features

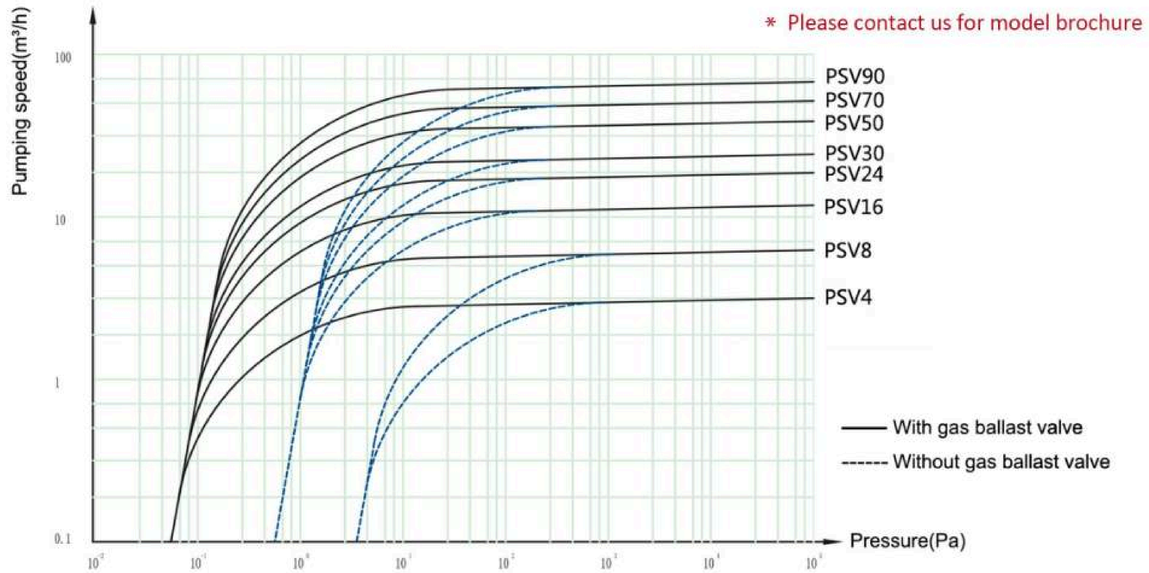
- Stable and Low Noise Operation
- Corrosion-Resistant Version Available
- Excellent Performance
- Double Anti-oil Structure
- Excellent Heat Dissipation
- High Quality Oil Mist Filtration

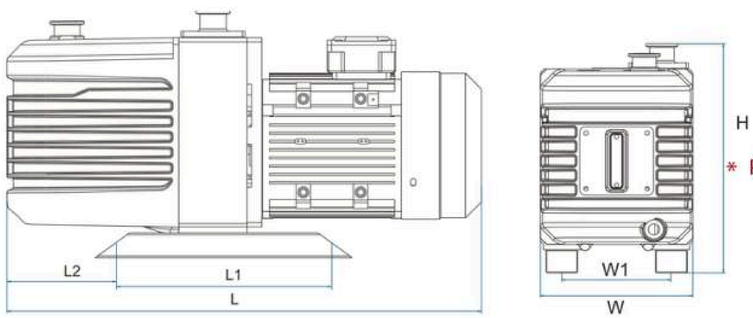
Application

Vacuum Packaging | Vacuum Drying Machine | Laboratory Instruments | Vacuum Coating | Semiconductor Industry | Electric Power

		PSV4	PSV8	PSV16	PSV24	PSV30	PSV50	PSV70	PSV90
Pumping Speed	50Hz	4m³/h (1.1L/s)	8m³/h (2.2L/s)	16m³/h (4.4L/s)	24m³/h (6.7L/s)	30m³/h (8.3L/s)	50m³/h (13.9L/s)	70m³/h (19.4L/s)	90m³/h (25L/s)
	60Hz	4.8m³/h (1.3L/s)	9.6m³/h (2.7L/s)	19.2m³/h (5.3L/s)	28.8m³/h (8L/s)	36m³/h (10L/s)	60m³/h (16.7L/s)	84m³/h (23.3L/s)	108m³/h (30L/s)
Ultimate Partial Pressure Without Gas Ballast		$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa	$4x10^{-2}$ Pa
Ultimate Total Pressure With Gas Ballast		$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa	$8x10^{-1}$ Pa
Ultimate Total Pressure Without Gas Ballast		$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa	$4x10^{-1}$ Pa
Motor Power	1ph	0.75 kW	0.75 kW	1.1 kW	1.1 kW	1.1 kW	/	/	/
	3ph	0.55 kW	0.55 kW	0.75 kW	0.75 kW	1.1 kW	1.5 kW	2.2 kW	3 kW
Motor Speed	50Hz	1440 rpm	1440 rpm	1440 rpm	1440 rpm	1440 rpm	1440 rpm	1440 rpm	1440 rpm
	60Hz	1720 rpm	1720 rpm	1720 rpm	1720 rpm	1720 rpm	1720 rpm	1720 rpm	1720 rpm
Water Vapor Tolerance		95 g/h	160 g/h	305 g/h	480 g/h	700 g/h	1340 g/h	2050 g/h	3420 g/h
Oil Capacity		0.6-1 L	0.6-1 L	0.9-1.5 L	1.2-2 L	1.2-2 L	3-4.5 L	3-4.5 L	5-7 L
Inlet Connection		KF10/KF25	KF10/KF25	KF25	KF25/KF40	KF25/KF40	KF40	KF40	KF40
Outlet Connection		KF10/KF25	KF10/KF25	KF25	KF25/KF40	KF25/KF40	KF40	KF40	KF40
Noise Level		≤56 dB	≤56 dB	≤58 dB	≤58 dB	≤60 dB	≤62 dB	≤62 dB	≤65 dB
Operating Temperature		5-40 °C	5-40 °C	5-40 °C	5-40 °C	5-40 °C	5-40 °C	5-40 °C	5-40 °C
Weight		23 kg	25 kg	30 kg	35 kg	38 kg	60 kg	65 kg	70 kg
Dimensions		440*144*217 mm	440*144*217 mm	530*188*272 mm	567*188*272 mm	567*188*272 mm	730*234*358 mm	730*234*358 mm	730*234*358 mm

* Please contact us for model brochure





* Please contact us for detailed dimensions

DVX Series
Oil-Free Air-Cooled
Screw Vacuum Pumps

Scan to get
more details

Wordfik DVX series dry screw vacuum pump is a new type of environmentally friendly vacuum pump with high cost performance independently developed by our company. It has the characteristics of high efficiency, energy saving, environmental protection, light weight, easy use, reliable performance, etc.
The DVX series vacuum pump is a vacuum equipment that compresses gas by forming a sealed space between two parallel screw rotors and the pump body, maintaining a certain gap between the rotors and the rotors, and between the rotors and the pump body, without metal friction, and driven by reverse synchronous gears. Because there is no friction between the rotor and the pump body, no lubricating oil is required, and no high temperature is generated during operation.
The screw vacuum pump can remove a large amount of water vapor, solvents, a small amount of dust, and can be used in processes such as gas and solvent recovery.

Features

- 100% Oil-Free Operation is Environmentally Friendly
- Variable Pitch Energy-saving Technology can Reduce Energy Consumption by 30%
- Explosion-Proof Motor, Anti-Corrosion Coating Optional
- Made of Precision New Materials, Light Weight and Low Noise
- No Metal Friction, Low Operating Temperature
- Easy to Maintenance and Long Service Life

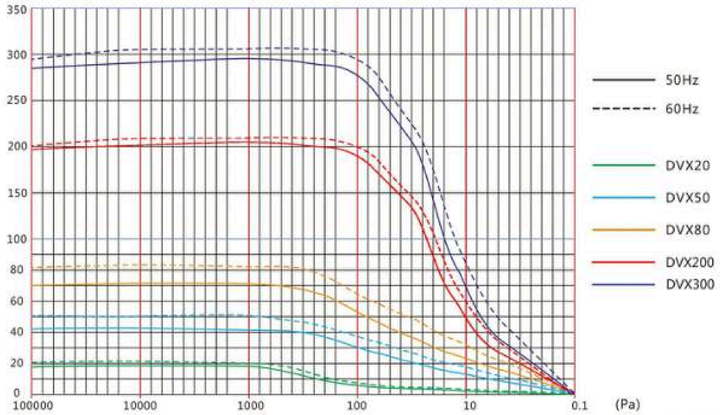
Application

Pharmaceutical Industry | Semiconductor Industry | Vacuum Packaging | Vacuum Drying | Vacuum Distillation | Photovoltaic Industry

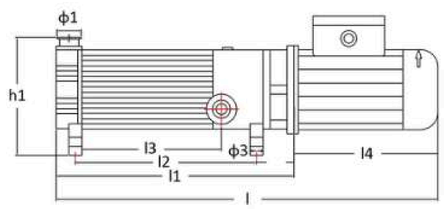
		DVX20	DVX50	DVX80	DVX200	DVX300
Pumping Speed	50Hz	18 m³/h	46 m³/h	72 m³/h	200 m³/h	290 m³/h
	60Hz	22 m³/h	54 m³/h	86 m³/h	220 m³/h	310 m³/h
Ultimate Pressure		0.1 Pa	0.1 Pa	0.1 Pa	0.1 Pa	0.1 Pa
Motor Power	50Hz	1.1 kW	1.5 kW	2.2 kW	5.5 kW	7.5 kW
	60Hz	1.32 kW	1.8 kW	2.64 kW	6.0 kW	9 kW
Motor Speed	50Hz	2900 rpm	2900 rpm	2900 rpm	2900 rpm	2900 rpm
	60Hz	3500 rpm	3500 rpm	3500 rpm	3500 rpm	3500 rpm
Noise Level	50Hz	70 dB	70 dB	71 dB	71 dB	71 dB
	60Hz	72 dB	72 dB	73 dB	73 dB	73 dB
Inlet Connection		KF40	KF40	KF40	KF50	KF50
Outlet Connection		KF25	KF25	KF25	KF40	KF40
Cooling Method		Air Cooled				
Lubrication		Synthetic Gear Oil 100				
Inlet Seal		Double Lip Rubber Seal / Double Lip Teflon Seal				
Outlet Seal		Double Lip Seal / Mechanical Seal				
Weight (without motor)		20 kg	28 kg	32 kg	70 kg	70 kg
Dimensions		662*303*273 mm	763*326*280 mm	843*326*280 mm	1141*460*370 mm	1141*460*370 mm
Dimensions(Explosion-proof motor)		707*303*350 mm	783*326*365 mm	888*326*365 mm	1181*460*550 mm	1181*460*550 mm

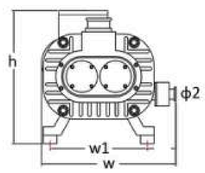
* Please contact us for model brochure

SUCTION AIR RATE [m³/h]

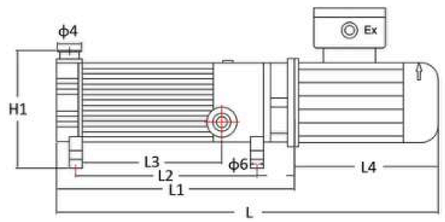


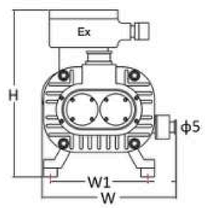
* Please contact us for detailed dimensions





Equipped with Ordinary Motor





Equipped with Explosion-Proof Motor

GLG Series
Permanent Magnet VFD
Oil-Free Screw Vacuum Pumps

Scan to get more details

Wordfik GLG series oil-free air-cooled permanent magnet variable frequency screw vacuum pump adopts an integrated design, with permanent magnet rare earth motor, VCS vector variable frequency drive system, PLC intelligent control system; it has the characteristics of high efficiency, stability, intelligence, energy saving, low noise, oil-free and pollution-free. In the working environment with more air impurities such as water vapor and dust, the GLG series screw pump can still operate stably and efficiently, providing reliable support for the continuity of production.

As the main pump of the industrial vacuum system, it has a large exhaust volume. One pump can meet the needs of multiple production lines without the need for multiple vacuum equipment to operate, reducing electricity costs, maintenance costs, noise, and downtime. It is widely used in ceramic brick making, glass processing, aerospace, composite materials, semiconductors and other production industries.

Quality in Details

Features

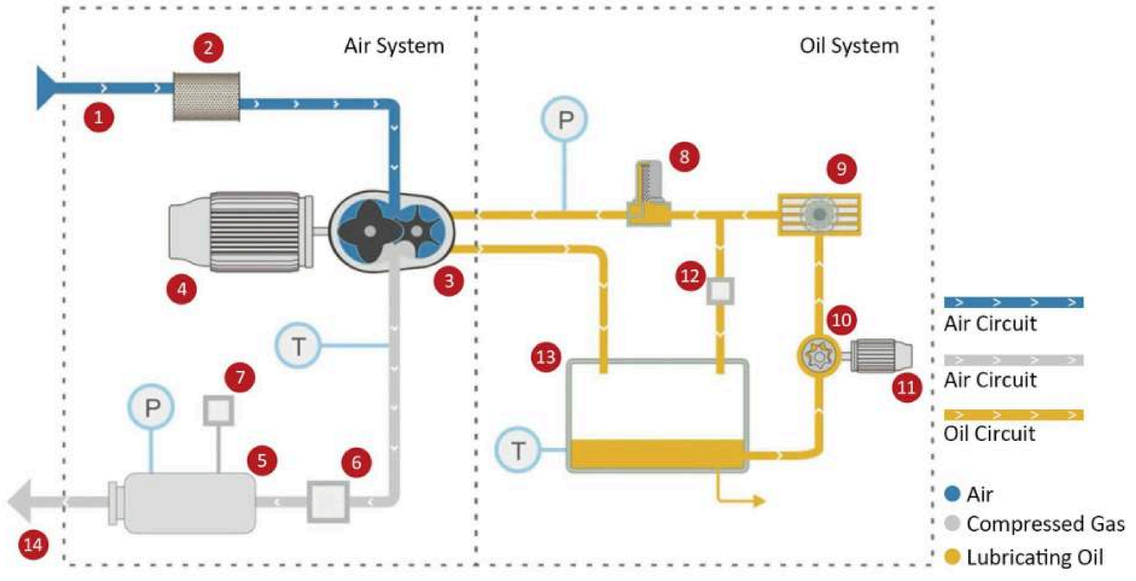
- 100% Oil-Free Operation
- Energy-saving and Stable
- Intelligent Remote Control
- Low Noise
- Easy to Maintenance and Long Service Life

Application

Ceramic Industry | Semiconductor Industry | Glass Processing | Aerospace | Composites Industry | Vacuum Forming

	Pumping Speed	Ultimate Pressure	Motor Power	Noise Level	Air Inlet Connection	Exhaust Connection	Weight	Dimensions
GLG450	450 m³/h	200 mbar	7.5 kW	75 dB	DN 80mm	DN 65mm	550 kg	1150*850*1320 mm
GLG700	700 m³/h	200 mbar	11 kW	75 dB	DN 80mm	DN 65mm	600 kg	1150*850*1320 mm
GLG900	900 m³/h	200 mbar	15 kW	76 dB	DN 125mm	DN 80mm	880 kg	1600*1150*1500 mm
GLG1200	1200 m³/h	200 mbar	18.5 kW	77 dB	DN 125mm	DN 80mm	950 kg	1600*1150*1500 mm
GLG1500	1500 m³/h	200 mbar	22 kW	77 dB	DN 125mm	DN 80mm	970 kg	1600*1150*1500 mm
GLG1900	1900 m³/h	200 mbar	30 kW	79 dB	DN 150mm	DN 125mm	1100 kg	1960*1300*1700 mm
GLG2500	2500 m³/h	200 mbar	37 kW	80 dB	DN 150mm	DN 125mm	1350 kg	1960*1300*1700 mm
GLG3100	3100 m³/h	200 mbar	45 kW	80 dB	DN 150mm	DN 125mm	1420 kg	1960*1300*1700 mm
GLG3800	3800 m³/h	200 mbar	55 kW	82 dB	DN 150mm	DN 125mm	1500 kg	1960*1300*1700 mm

* Please contact us for model brochure
* And details on our higher flow models



1 Air Inlet
2 Air Filter
3 Vacuum Pump
4 Pump Motor
5 Exhaust Muffler
6 Check Valve
7 Safety Valve
8 Oil Filter
9 Oil Cooler
10 Oil Pump
11 Oil Pump Motor
12 Reverse Flow valve
13 Oil Tank
14 Exhaust Port
P Pressure Sensor
T Temperature Sensor

VLG Series
Permanent Magnet VFD
Low-Oil Screw Vacuum Pumps

Scan to get more details

Wordfik VLG series low-oil air-cooled permanent magnet variable frequency screw vacuum pump adopts an integrated design, with permanent magnet rare earth motor, VCS vector variable frequency drive system, PLC intelligent control system; it has the characteristics of high efficiency, stability, intelligence, energy saving, low noise, oil-free and pollution-free. In the working environment with more air impurities such as water vapor and dust, the VLG series screw pump can still operate stably and efficiently, providing reliable support for the continuity of production.

As the main pump of the industrial vacuum system, it has a large exhaust volume. One pump can meet the needs of multiple production lines without the need for multiple vacuum equipment to operate, reducing electricity costs, maintenance costs, noise, and downtime. It is widely used in ceramic brick making, glass processing, aerospace, composite materials, semiconductors and other production industries.

Quality in Details

Features

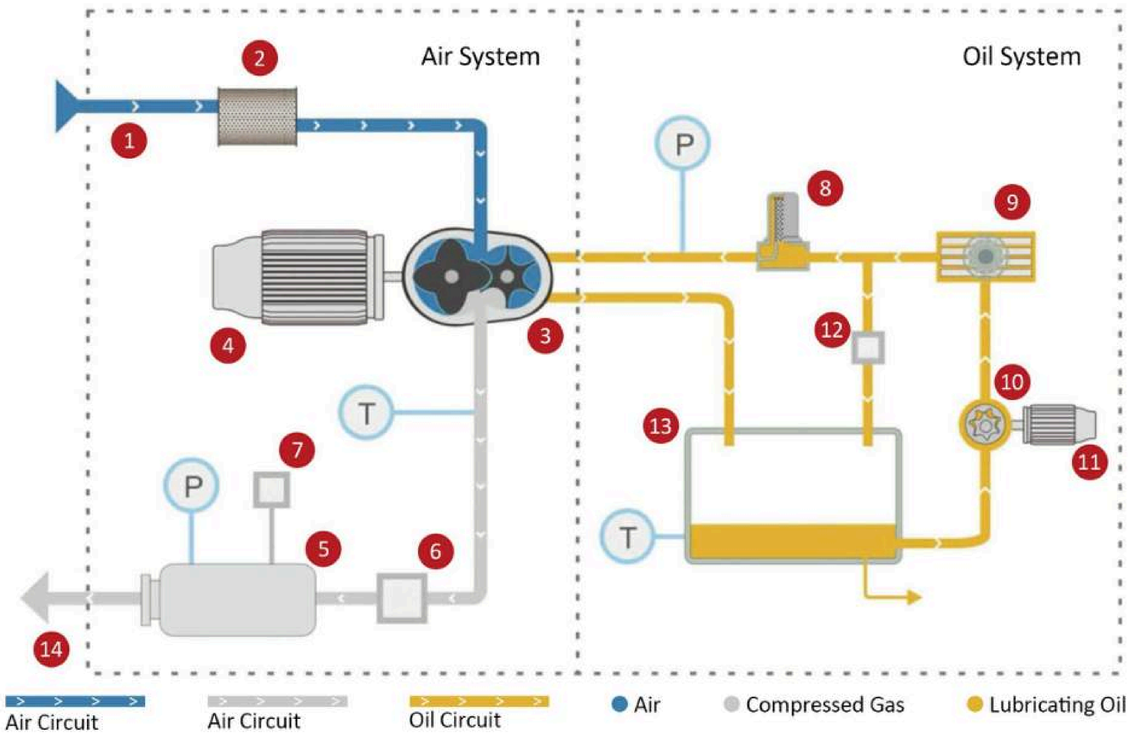
- Minimal Oil Operation
- Energy-saving and Stable
- Intelligent Remote Control
- Low Noise
- Easy to Maintenance and Long Service Life

Application

Ceramic Industry | Semiconductor Industry | Glass Processing | Aerospace | Composites Industry | Vacuum Forming

	Pumping Speed	Ultimate Pressure	Motor Power	Noise Level	Air Inlet Connection	Exhaust Connection	Weight	Dimensions
VLG400	380 m³/h	0.6 mbar	4.5 kW	71 dB	DN 80mm	DN 65mm	550 kg	1480*1000*1250 mm
VLG600	600 m³/h	0.6 mbar	7.5 kW	73 dB	DN 80mm	DN 80mm	650 kg	1580*1020*1350 mm
VLG750	750 m³/h	0.6 mbar	11 kW	74 dB	DN 80mm	DN 80mm	680 kg	1580*1020*1350 mm
VLG900	900 m³/h	0.6 mbar	15 kW	76 dB	DN 80mm	DN 80mm	720 kg	1600*1050*1500 mm
VLG1100	1100 m³/h	0.6 mbar	18.5 kW	77 dB	DN 125mm	DN 80mm	820 kg	1750*1220*1500 mm
VLG1300	1300 m³/h	0.6 mbar	22 kW	78 dB	DN 125mm	DN 80mm	840 kg	1750*1220*1500 mm
VLG1600	1600 m³/h	0.6 mbar	30 kW	79 dB	DN 125mm	DN 100mm	1160 kg	2040*1400*1760 mm
VLG1800	1900 m³/h	0.6 mbar	37 kW	80 dB	DN 125mm	DN 100mm	1200 kg	2040*1400*1760 mm
VLG2600	2600 m³/h	0.6 mbar	45 kW	80 dB	DN 150mm	DN 125mm	1900 kg	2880*1480*1750 mm
VLG3300	3300 m³/h	0.6 mbar	55 kW	82 dB	DN 150mm	DN 125mm	2000 kg	2880*1480*1750 mm

* Please contact us for model brochure
* And details on our higher flow models

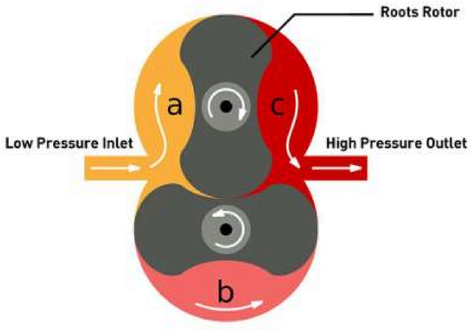


1 Air Inlet
2 Air Filter
3 Vacuum Pump
4 Pump Motor
5 Exhaust Muffler
6 Check Valve
7 Safety Valve
8 Oil Filter
9 Oil Cooler
10 Oil Pump
11 Oil Pump Motor
12 Reverse Flow valve
13 Oil Tank
14 Exhaust Port
P Pressure Sensor
T Temperature Sensor

RTOW Series Mechanical Booster Roots Vacuum Pumps

Scan to get more details

Wordfik RTOW series roots pump is a non-contact positive displacement vacuum pump that realizes gas delivery through synchronous counter-rotation of two or more symmetrically meshed Roots rotors (impellers) in the pump chamber. It is a core device in the medium vacuum range (10^{-1}~10^{3} Pa). Its core features are high pumping speed, oil-free design, and compact structure. It is often used as a booster pump in series with a fore-stage pump (such as a rotary vane pump or a screw pump) and is widely used in industrial scenarios that require fast pumping or large-flow gas processing.



Features

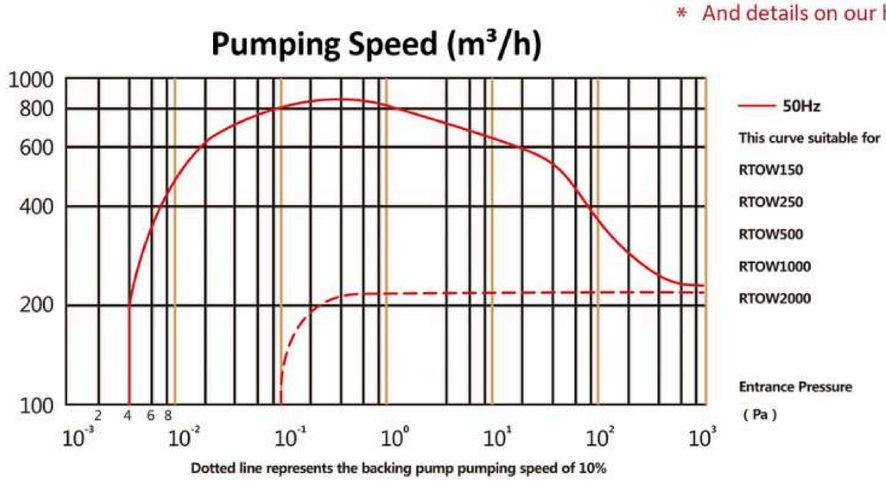
- 100% Oil-Free Operation
- High Pumping Speed and Large Flow rate
- Strong Pressure Difference Resistance
- Low Vibration and Long Service Life
- No Metal Friction, Low Operating Temperature

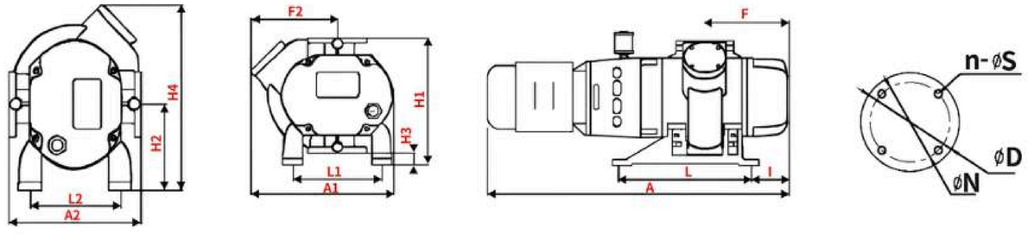
Application

Vacuum Coating | Vacuum Drying Machine | Biogas Treatment | Printing and Paper Industry | Vacuum Metallurgy | Vacuum Degassing

	RTOW150	RTOW250	RTOW500	RTOW1000	RTOW2000
Pumping Speed	153 m³/h	253 m³/h	505 m³/h	1000 m³/h	2000 m³/h
Ultimate Pressure	0.05 Pa	0.05 Pa	0.05 Pa	0.05 Pa	0.05 Pa
Extreme Full Pressure	0.5 Pa	0.5 Pa	0.5 Pa	0.5 Pa	0.5 Pa
Max. Differential Pressure	8000 Pa	8000 Pa	8000 Pa	8000 Pa	5000 Pa
Motor Power	1.1 kW	1.1 kW	2.2 kW	4 kW	7.5 kW
Motor Speed	3000 rpm	3000 rpm	3000 rpm	3000 rpm	3000 rpm
In and Out Caliber	65 mm	65 mm	65 mm	100 mm	150 mm
Max. Of Zero Flow Compression Rate	≥35	≥35	≥40	≥40	≥50
Noise Level	63 dB	63 dB	63 dB	68 dB	75 dB
Oil Consumption	1.5 L	1.5 L	3 L	5 L	7 L
Cooling Method	Natural Air Cooling	Natural Air Cooling	Natural Air Cooling	Natural Air Cooling	Natural Air Cooling
Weight	90 kg	100 kg	155 kg	233 kg	465 kg
Dimensions	570*300*348 mm	740*325*330 mm	845*395*446 mm	1080*485*553 mm	1276*642*760 mm
Recommend Backing Pump models	PVX63 or PSV8	PVX100 or PSV16	PVX160 or PSV30	PVX302 or PSV70	PVX630 or PSV70*2

* Please contact us for model brochure
* And details on our higher flow models



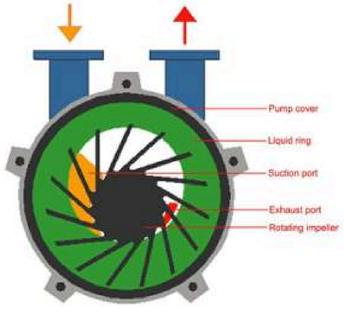


(mm)	A	A1	A2	H1	H4	L	L1	L2	F	F2	H3	H2	I	S	D	N
RTOW150	570	300	290	285	348	355	240	194	165	180	5	168	37	4-M12	160	130
RTOW250	740	325	280	285	330	420	240	185	209	180	5	160	37	4-M12	160	130
RTOW500	845	395	316	350	446	370	237	218	236	238	35	207	106	4-M12	160	130
RTOW1000	1080	485	370	419	553	510	290	240	301	302	49	252	129	4-M16	210	170
RTOW2000	1276	642	486	530	760	740	388	292	370	410	44	351	154	4-M16	265	225

2BV Series
Liquid Ring Vacuum Pumps & Systems

Scan to get more details

Wordfik 2BV series liquid ring vacuum pump is a single-stage positive displacement pump that uses a liquid as a sealant. It usually uses water, ethylene glycol, mineral oil and other liquids as the operating fluid. It has a simple structure and can be made of iron, stainless steel, ceramic and other materials as the pump body and pump head. It has low maintenance costs and is very cost-effective compared to other types of vacuum pumps. The 2BV series liquid ring pump is corrosion-resistant, explosion-proof and safe, and moisture-compatible as its core competitiveness. It is a reliable choice for processing complex media in medium and low vacuum scenarios.



Features

- Work With Liquid and Dust-containing Gases
- Simple Structure and Low Maintenance Cost
- Explosion-proof and Safe
- Strong Corrosion Resistance
- Long Service Life

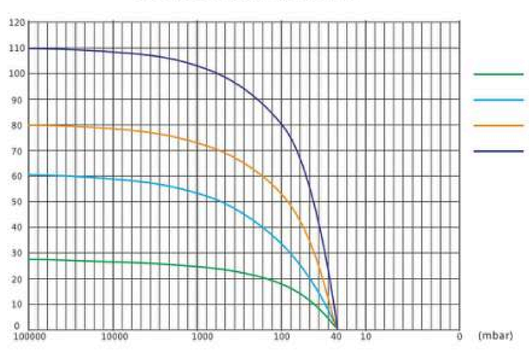
Application

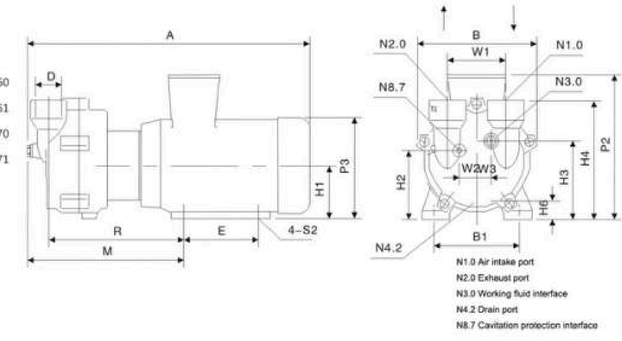
Chemical Industry | Electeic Power | Biogas Treatment | Oil and Gas Recovery | Vacuum Metallurgy | Vacuum Degassing

	2BV2060	2BV2061	2BV2070	2BV2071	2BV5110	2BV5111	2BV5121	2BV5131	2BV5161
Pumping Speed	27 m³/h	61 m³/h	80 m³/h	110 m³/h	165 m³/h	230 m³/h	280 m³/h	400 m³/h	500 m³/h
	7.5 L/s	16.9 L/s	22.2 L/s	30.5 L/s	45.8 L/s	63.8 L/s	77.7 L/s	111.1 L/s	138.8 L/s
Ultimate Pressure	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa	3.3 kPa
	33 mbar	33 mbar	33 mbar	33 mbar	33 mbar	33 mbar	33 mbar	33 mbar	33 mbar
	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr	24.7 Torr
Motor Power	0.81 kW	1.45 kW	2.35 kW	3.85 kW	4 kW	5.5 kW	7.5 kW	11 kW	15 kW
Rated Voltage	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V	Δ 200-230V Y 380-415V
Rated Speed	2880 rpm	2880 rpm	2850 rpm	2860 rpm	1450 rpm	1450 rpm	1450 rpm	1430 rpm	970 rpm
Noise Level	62 dB	65 dB	66 dB	72 dB	63 dB	68 dB	69 dB	73 dB	74 dB
Operating Fluid Flow	2 L/min	2 L/min	2.5 L/min	4.2 L/min	6.7 L/min	8.3 L/min	10 L/min	15 L/min	20 L/min
Inlet/Outlet Flange	G 1 in	G 1 in	G 1½ in	G 1½ in	DN50	DN50	DN65	DN65	DN80
Cooling Method	Water Cooling	Water Cooling	Water Cooling	Water Cooling	Water Cooling	Water Cooling	Water Cooling	Water Cooling	Water Cooling
Weight	37 kg	41 kg	66 kg	85 kg	120 kg	150 kg	210 kg	280 kg	390 kg
Dimensions	455*186*195 mm	476*186*195 mm	545*223*222 mm	566*223*234 mm	637*325*361 mm	679*325*371 mm	771*347*385 mm	852*377*427 mm	1044*479*521 mm

* Please contact us for model brochure

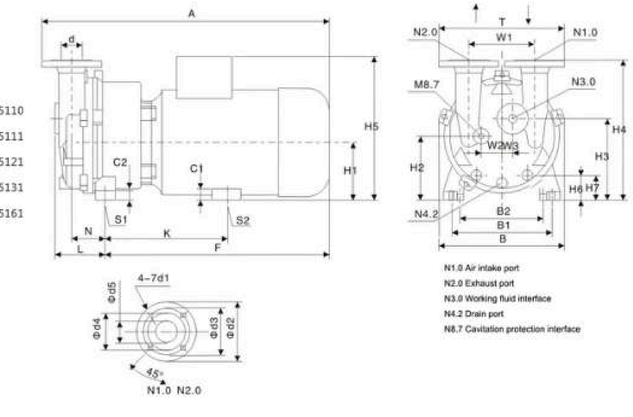
SUCTION AIR RATE [m³/h]





* Please contact us for detailed dimensions

SUCTION AIR RATE [m³/h]



Vacuum Spare Parts

Wordfik provides high-quality vacuum maintenance and repair parts, allowing customers to have no after-sales worries and truly provide one-stop vacuum service. Air filter assembly, vacuum fittings, vacuum hose and other parts meet all the accessories needs of the vacuum industry

Conversion Table

Pressure / Vacuum

	mbar(hPa)	bar	pa(N/m²)	Kpa	atm	mm H_2O	torr(mm Hg)	lbf/in²(PSI)	lbf/ft²	kgf/cm²	kgf/m²
1 mbar(hPa)	1	0.001	100	0.1	$9.8*10^{-4}$	10.197	0.75	0.015	2.089	$1*10^{-3}$	10.197
1 bar	1000	1	$1*10^{5}$	100	0.987	10197.16	750.06	14.5	2088.54	1.02	10197.16
1 pa(N/m²)	0.01	$1*10^{-5}$	1	0.001	$9.8*10^{-6}$	0.102	$7.5*10^{-3}$	$1.45-10^{-4}$	0.02	$1*10^{-3}$	0.1
1 Kpa	10	0.01	1000	1	$9.8*10^{-3}$	101.97	7.5	0.145	20.885	0.01	101.97
1 atm	1013.25	1.013	101325	101.325	1	10332.28	760	14.7	2116.22	1.033	10332.28
1 mm H_2O	$9.8*10^{-2}$	$9.8*10^{-5}$	9.8	$9.8*10^{-3}$	$9.68*10^{-5}$	1	0.074	$1.4*10^{3}$	0.2	$1*10^{-4}$	1
1 torr(mm Hg)	1.33	$1.33*10^{-3}$	133.32	0.133	$1.3*10^{-3}$	13.595	1	0.019	2.78	$1.4*10^{-3}$	13.595
1 lbf/in²(PSI)	68.95	0.069	6894.757	6.895	0.068	703.07	51.715	1	144	0.07	703.07
1 lbf/ft²	0.48	$4.8*10^{-4}$	47.88	$4.8*10^{-2}$	$4.7*10^{-4}$	4.88	0.359	$6.9*10^{-3}$	1	$4.9*10^{-4}$	4.88
1 kgf/cm²	980.67	0.98	98066.5	98.067	0.968	10000	735.559	14.22	2048.16	1	10000
1 kgf/m²	$9.8*10^{-2}$	$9.8*10^{-5}$	9.8	$9.8*10^{-3}$	$9.68*10^{-5}$	1	0.074	$1.4*10^{3}$	0.2	$1*10^{-4}$	1

Flow

	m³/h	m³/min	m³/s	L/min	L/s	cfm(ft³/min)
1 m³/h	1	0.167	$2.78*10^{-4}$	16.667	0.278	0.589
1 m³/min	60	1	0.017	1000	16.67	35.31
1 m³/s	3600	60	1	60000	1000	2118.88
1 L/min	0.06	0.001	$1.67*10^{-5}$	1	0.017	0.035
1 L/s	3.6	0.06	0.001	60	1	2.119
1 cfm(ft³/min)	1.699	0.028	$4.7*10^{-4}$	28.32	0.47	1

Ultimate Vacuum, Ultimate Pursuit

@wordfikvacuum

Official Website

WhatsApp

Tel. : 0769-81373799
WhatsApp : +86 159 1835 2704
Email : info@wordfik.com
Website : www.wordfik.com

ADD : 4th Floor, Building C, longzhimao High-Tech Industrial Park, Dongguan, Guangdong, China