

## Wonchang Vacuum Pump

원창진공펌프

- Oil Sealed Rotary Vane
- Dry Rotary Vane
- Hook & Claw Vacuum & Pressure
- Vacuum Systems





# Welcome to Wonchang Vacuum Co.

**Wonchang** vacuum products have provided solutions for a multitude of industrial applications.

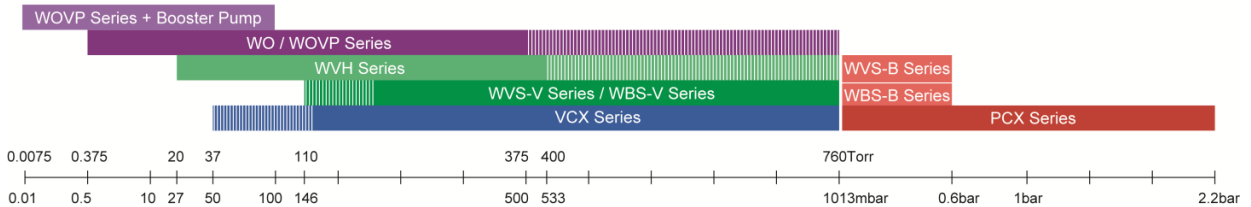


## INTRODUCTION:

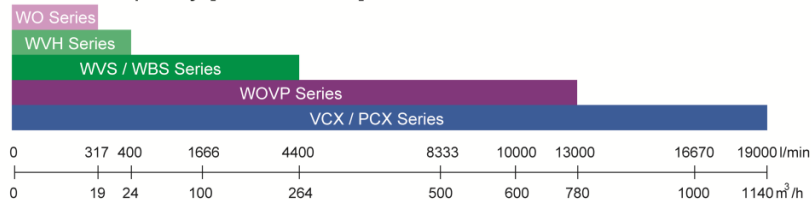
- **Wonchang Vacuum Company has been offering its various product to meet industrial vacuum needs as a leading manufacturer of vacuum pumps in Korea since its establishment in 1982.**
- **Over 30 year experiences in vacuum industry, it has been putting the efforts continuously to produce high quality oil sealed rotary vane, dry rotary vane pumps and packaged vacuum systems with diverse range of capacity for use in printing, food processing, meat packing, packaging, plastic molding, vacuum lifting, wood carving, hospitals and laboratories and other industrial applications.**
- **Wonchang's Simple Design ensures the reliability and durability required in the vacuum industry.**
- **We promise high quality product to meet your needs. If you have any questions, please feel free contact us or an agent near to you to help with your specific needs, including service of your existing equipment.**

## Product Ranges:

Operating Range [ mbar abs ]



Suction capacity [ m<sup>3</sup>/h , l/min ]



### WOVP series: CE certified

- Operating Principle, Versions, Features, Applications: 4 ~ 5
- WOVP - 0020, 0030 & 0040: 6 ~ 7
- WOVP - 0060 & 0080: 8 ~ 9
- WOVP - 0130 & 0200: 10 ~ 11
- WOVP - 0320 & 0430: 12 ~ 13
- WOVP - 0350: 14 ~ 15
- WOVP - 0500 & 0600: 16 ~ 17
- WOVP - 0800, 1000 & 1200: 18 ~ 19
- WOVP - 1500: 20 ~ 21

### WO series: CE certified

- WO - 0010, 0012 & 0020: 22 ~ 23

### WVH, WVS & WBS series:

- Operating Principle, Features, Applications: 24 ~ 25
- WVH - 3, 5: 26 ~ 27
- WVS - 3, 5 & 6: 28 ~ 29
- WVS - 8 & 9: 30 ~ 31
- WVS - 10: 32 ~ 33
- WBS - 30A, 50A, 60A & 80A: 34 ~ 35
- WBS - 80B, 85B, 90B, 95B, 100B: 36 ~ 37

### VCX & PCX series: CE certified

- VCX B - 100, 150, 250, 300, 400, 505: 38 ~ 39 / VCX - 155, 205, 1005: 40~42
- PCX IF- 100, 150, 250, 300, 400, 505: 43 ~ 45 / PCX - 155, 205: 46

### B series

- B-500, 1200, 2600: 47 ~ 48

### Vacuum systems with oil sealed / dry rotary vane pump: 49 ~ 50

### Parts and Accessories: 51 ~ 56

## Contents:



Registered  
ISO 9001:2008 / ISO 14001:2004

## WOVP S E R I E S Oil sealed Rotary Vane Vacuum Pump

- **Operating Principle:**

Wonchang's Oil Sealed Rotary Vane Pumps operate according to the rotary vane principle. The rotor is eccentrically positioned in the cylinder and has the slots for vane sliding. The centrifugal forces when rotates push the vanes towards wall of the cylinder through the slots of the rotor. The gas will be sucked in through a built-in anti suck back valve that prevents the pump from rotating backward at standstill, and goes into the cylinder. The gas will be compressed and pushed out through the exhaust opening located between the pumps housing and oil sump. The oil will be fed into the pump module from the oil sump for sealing and lubrication by differential pressure between pump module and oil sump. The discharged oil as a mist with gas will be collected through the oil separator(s) in the upper part of oil sump. The collected oil will be drawn into the pump inlet side for re-circulation by the pressure difference between suction and pressure side through a float valve (F version) or through the return line (L version).. Gas Ballast (in case equipped) will be working by sucking ambient air into the cylinder for prevention of accumulation of condensates(water) from process gas.

- **Versions:**

WOVP Series are designed for reliability in a multitude of applications. Available in three(3) versions to the pumps, each pump is designed to meet your vacuum needs.

"L" version: for medium vacuum – 10~20 mbar for continuous operation with oil return line.

"NM" version: for medium deeper vacuum - 2 mbar for continuous operation with oil return line.

"F" version: for deeper vacuum - 0.5 mbar- Suitable for continuous operation with float valve system .

*For dimension/curve information, please see each page of the model.*

- **Features:**

- Compact Design – Reliability & Durability – Easy to maintain and operate
- Simple Installation – Air Cooled, No water required
- Direct Drive Design – No Belts required
- Integral Exhaust Filter – Discharge air 99% oil free
- Quite Operation

- **Applications:**

- Food Processing, Packaging
- Plastic Molding, PCB, Hot press, Rubber Press Molding, Metallurgy.
- Vacuum Lifting, Wood Carving
- Hospitals & Clinics
- Laboratories,

- **Safety:**

- All WOVP series has obtained CE Mark.

# WOVP S E R I E S Oil sealed Rotary Vane Vacuum Pump

- **Standard Equipment:**
  - Composite Vane
  - TEFC High Efficiency Motor
  - Oil Level Sight Glass
  - Wire Mesh Inlet Filter Screen
  - Anti-Suck back Valve
  - Spin on Oil Filter ( except WOVP-0020~0040)
  - Vibration Isolator
  - Gas Ballast Valve (F version only) – Optional
  - Exhaust Pressure Gage – Optional
  - Level Switch (Port)–Optional
  - Temperature Switch (Port)–Optional

- **Technical data**

Models			20	30	40	60	80	130	200	320	350	430	500	600	800	1000	1200	1500
Displace-ment	60Hz	m³/h	12	18	24	36	48	78	120	192	210	258	300	360	505	600	780	NA
	50Hz		10	15	20	30	40	65	100	160	175	215	250	300	420	500	660	750
End- Vacuum	For N Type	mbar	NA	NA	NA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1
	NM Type		2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	L Type	mbar	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	10	10	10
Motor (3Ph)	IEC(Kw)	60Hz	0.4	0.75	0.9	1.1	1.5	2.2	3	3.7	5.5	5.5	7.5	8.6	15	15	18.5	NA
		50Hz	0.4	0.55	0.75	0.9	1.1	1.5	2.2	3.7	5.5	5.5	5.5	7.5	11.25	11.25	15	18.5
	NEMA(Hp)	60Hz	N/A	N/A	N/A	2	2	3	5	5	7.5	7.5	10	11.5	15	20	25	NA
Motor (1Ph)	IEC(Kw)	50/60Hz	0.4	0.75	0.9	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Revolution	RPM	60Hz	1740	1740	3480	1740	1740	1740	1740	1740	1740	1740	1740	1740	1160	1160	1160	NA
		50Hz	1450	1450	2870	1450	1450	1450	1450	1450	1450	1450	1450	1450	980	980	980	1450
Noise	dB(A)	60Hz	59	60	62	67	67	68	68	75	77	77	77	78	78	78	79	79
		50Hz	57	58	60	64	64	65	65	72	74	74	74	75	76	76	77	77
Operating Temp.	℃		77	80	85	76	78	85	85	85	85	85	85	85	80	82	80	82
Oil Capacity	Ltr		0.5	0.5	0.5	1.4	1.4	2.5	2.7	7	7	7	7	7	19	19	19	19
Connections	G(BSP) or NPT	Inlet	1/2"	1/2"	1/2"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"	3"	3"	3"	3"
		Outlet	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	2"	2"	2"	2"	2"	3"	3"	3"	3"
Weight	kg (w ith motor)		20	22	20	47	53	66	75	124	164	145	184	188	504 /491*	544 /531*	703 /582*	535

Weight can be varied upon motor specific Above weights are w/o oil \* for 50Hz motor

**WOVP  
SERIES  
Oil sealed Rotary Vane Vacuum Pump**

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**

**WOVP-0020, 0030 & 0040**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

CE

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass(1), Exhaust cover Silencer

**Optional Equipment:** Additional Oil level sight Glass, Exhaust Pressure Gauge, Exhaust Cover(threaded).

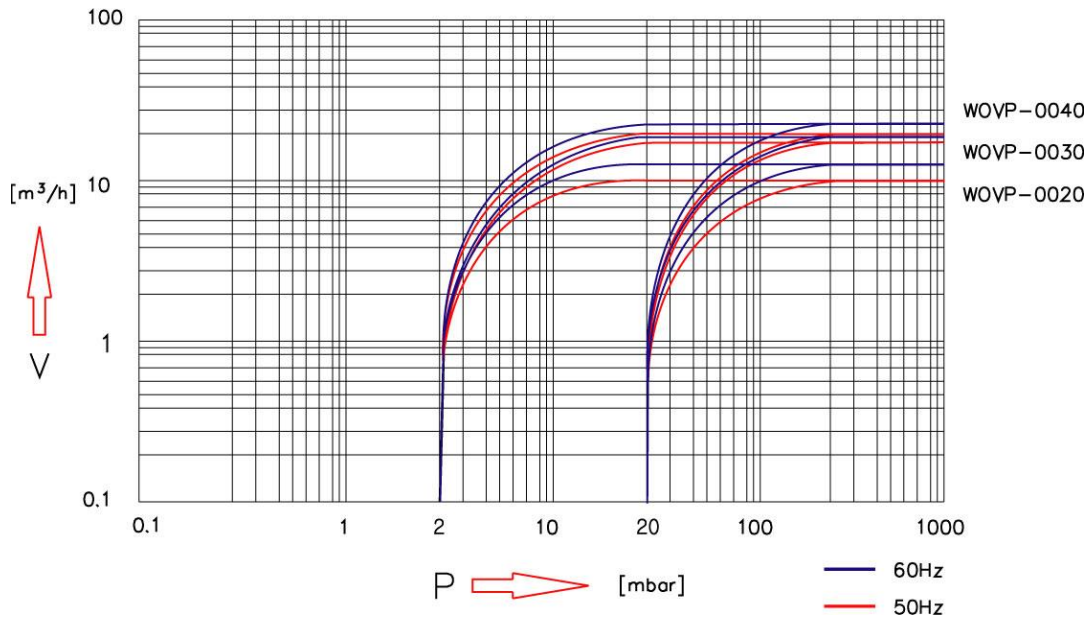
• **Specifications:**

Models			20	30	40
Displacement	60Hz	m <sup>3</sup> /h	12	18	24
	50Hz		10	15	20
End Vacuum	NM Type		2	2	2
	L Type		20	20	20
Motor ( 3Ph)	IEC(Kw)	60Hz	0.4	0.75	0.9
		50Hz	0.4	0.55	0.75
	NEMA(Hp)	60Hz	N/A	N/A	N/A
Motor( 1Ph)	IEC(Kw)	50/60Hz	0.4	0.75	0.9
Revolution	RPM	60Hz	1740	1740	3480
		50Hz	1450	1450	2870
Noise	dB(A)	60Hz	59	60	62
		50Hz	57	58	60
Operating Temp.	℃		77	80	85
Oil Capacity	Ltr		0.5	0.5	0.5
Connections	G(BSP) or NPT	Intake	1/2"	1/2"	1/2"
		Exhaust	1-1/4"	1-1/4"	1-1/4"
Weight	kg (with motor)		20	22	20

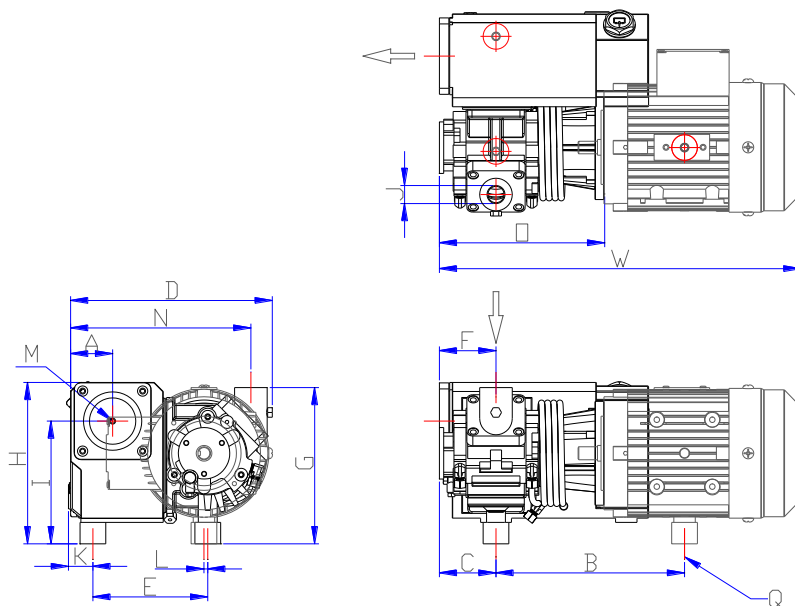
**WOVP  
SERIES**  
Oil sealed Rotary Vane Vacuum Pump

**WOVP-0020, 0030 & 0040**

**Performance Curve**



**Dimensions**



DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	Q
WOVP-0020	422	258	188	49	220	66	134	66	182	143	1/2"	29	4	G1-1/4"	210	192	3xM8
WOVP-0030	452				235	81		81								222	
WOVP-0040	422				220	66		66								192	



**WOVP  
S E R I E S  
Oil sealed Rotary Vane Vacuum Pump**

**WOVP-060 & 080**

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve (N & F Only), Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Level Switch, and Heater

• **Specifications:**

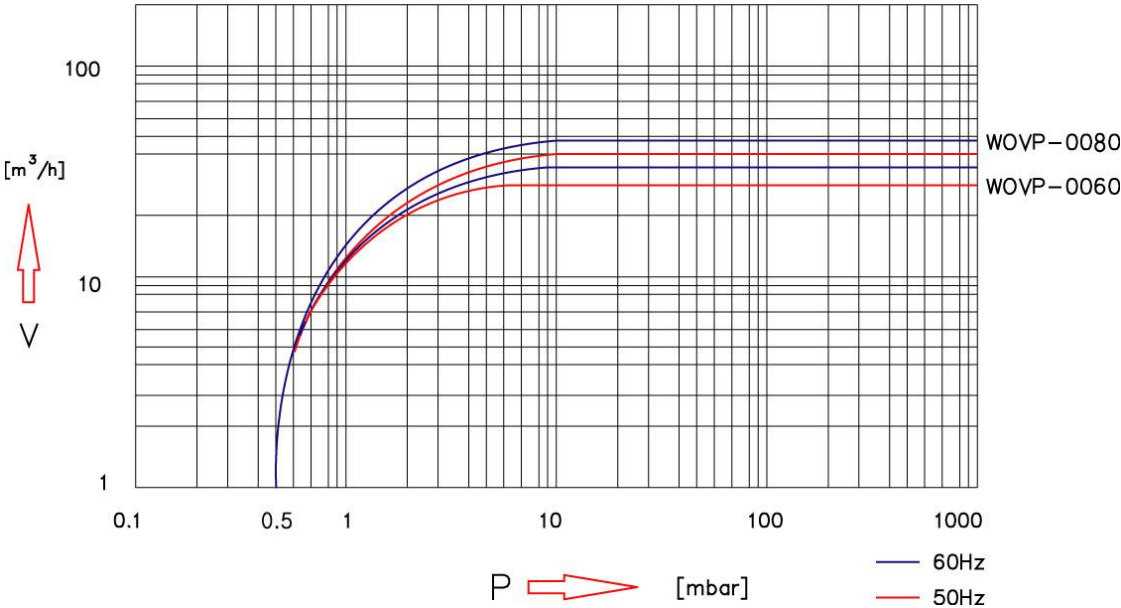
Models			60	80
Displacement	60Hz	m <sup>3</sup> /h	36	48
	50Hz		30	40
End- Vacuum	F Type	mbar	0.5	0.5
Motor ( 3Ph)	IEC(Kw )	60Hz	1.1	1.5
		50Hz	0.9	1.1
	NEMA (Hp)	60Hz	2	2
Motor( 1Ph)	IEC(Kw )	50/60Hz	1.5	1.5
Revolution	RPM	60Hz	1740	1740
		50Hz	1450	1450
Noise	dB(A)	60Hz	67	67
		50Hz	64	64
Operating Temp.	°C		76	78
Oil Capacity	Ltr		1.4	1.4
Connections	G(BSP) or NPT	Intake	1-1/4"	1-1/4"
		Exhaust	1-1/4"	1-1/4"
Weight	kg (w ith motor)		47	53



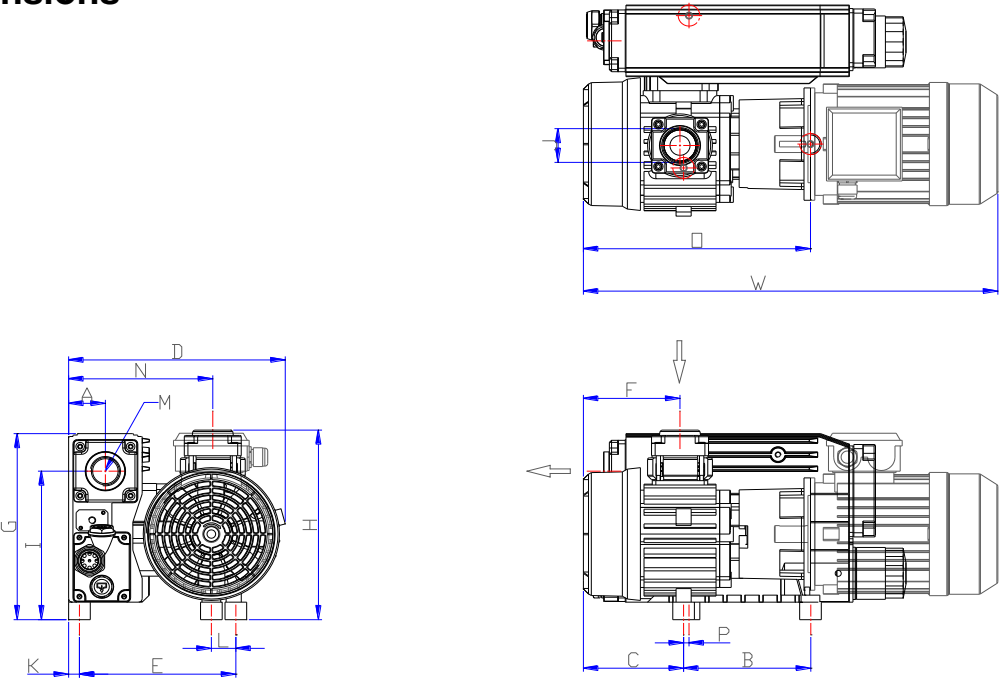
WOVP  
SERIES  
Oil sealed Rotary Vane Vacuum Pump

WOVP-060 & 080

Performance Curve



Dimensions



DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	□	P	Q
WOVP-0060	575	301	270	50	176	139	217	134	265	212	G1-1/4"	15	34	G1-1/4"	200	315	7.5	3xM8
WOVP-0080	630 (605)				191	154		149								345		

\* The dimensions in ( ) are for 50Hz

**WOVP  
SERIES  
Oil sealed Rotary Vane Vacuum Pump**

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**

**WOVP-130 & 200**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.



**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve (N & F Only), Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Level Switch, and Heater

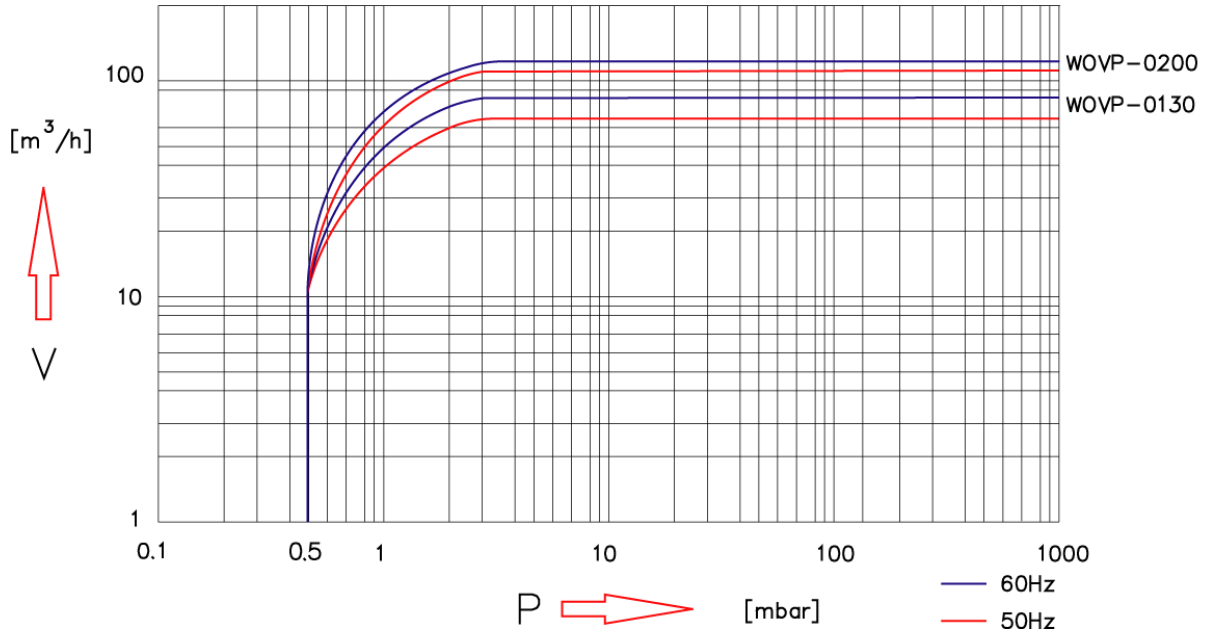
• **Specifications:**

Models			130	200
Displacement	60Hz	m <sup>3</sup> /h	78	120
	50Hz		65	100
End- Vacuum	F Type	mbar	< 0.5	< 0.5
Motor ( 3Ph)	IEC(Kw )	60Hz	2.2	3
		50Hz	1.5	2.2
	NEMA (Hp)	60Hz	3	5
Revolution	RPM	60Hz	1740	1740
		50Hz	1450	1450
Noise	dB(A)	60Hz	68	68
		50Hz	65	65
Operating Temp.	℃		85	85
Oil Capacity	Ltr		2.5	2.7
Connections	G(BSP) or NPT	Intake	1-1/4"	1-1/4"
		Exhaust	1-1/4"	1-1/4"
Weight	kg (w ith motor)		66	75

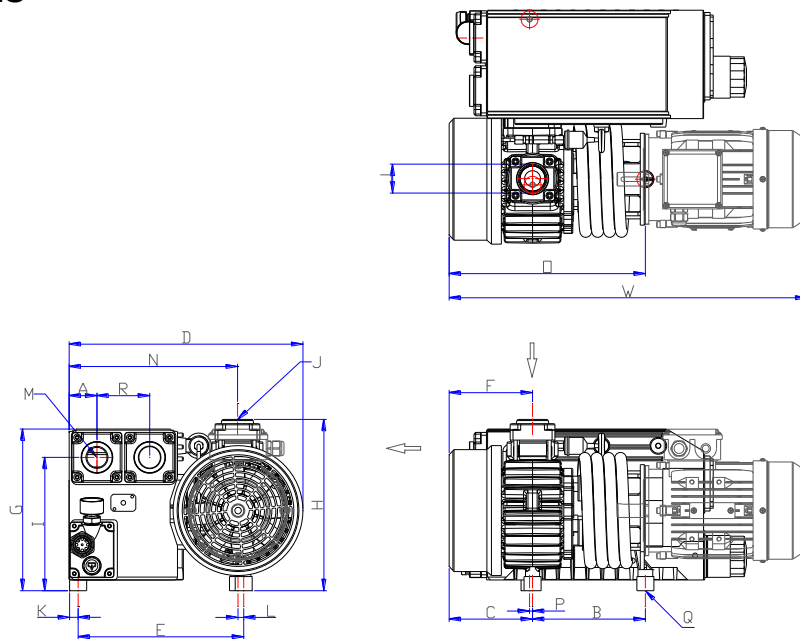
**WOVP  
SERIES**  
Oil sealed Rotary Vane Vacuum Pump

**WOVP-130 & 200**

**Performance Curve**



**Dimensions**



DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	P	Q	R
WOVP-0130	654 (631)	412	302	49	199	147	292	147	285	235	G1-1/4"	15	10	G1-1/4"	297	346	5.3	3xM8	93
WOVP-0200	704				224	172		172								396			

\* The dimensions in ( ) are for 50Hz

# WOVP S E R I E S Oil sealed Rotary Vane Vacuum Pump

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**

## WOVP-320 & 430



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve, Built-in Float Valve Assembly for oil return, Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Oil Level Switch (Port), Temperature Switch (Port), Heater and Water Cooler.

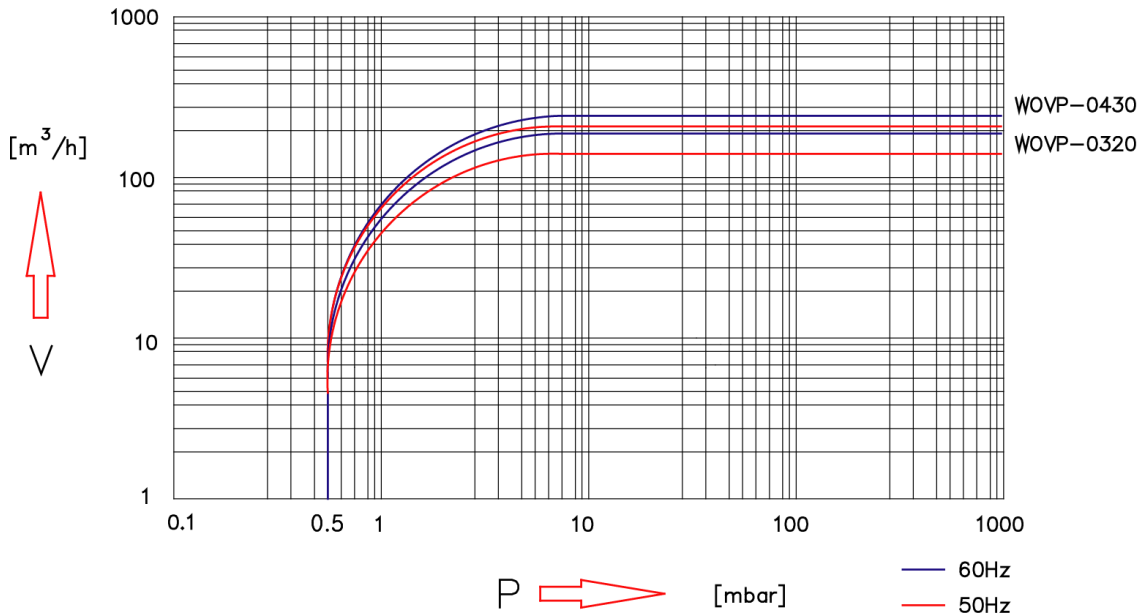
### • Specifications:

Models	320			430
Displacement	60Hz	m <sup>3</sup> /h	192	258
	50Hz		160	215
End- Vacuum	F Type	mbar	< 0.5	< 0.5
Motor ( 3Ph)	IEC(Kw )	60Hz	3.7	5.5
		50Hz	3.7	5.5
	NEMA (Hp)	60Hz	5	7.5
Revolution	RPM	60Hz	1740	1740
		50Hz	1450	1450
Noise	dB(A)	60Hz	75	77
		50Hz	72	74
Operating Temp.	°C		85	85
Oil Capacity	Ltr		7	7
Connections	G(BSP) or NPT	Intake	2"	2"
		Exhaust	2"	2"
Weight	kg (w ith motor)		124	145

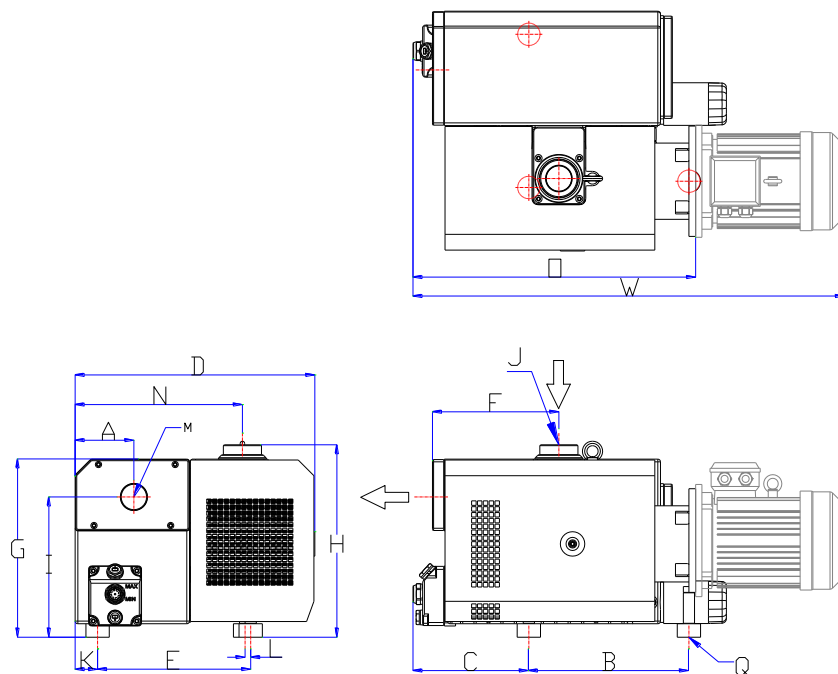
**WOVP  
SERIES**  
Oil sealed Rotary Vane Vacuum Pump

**WOVP-320 & 430**

**Performance Curve**



**Dimensions**



MODEL	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	Q
WOVP-320	903	535	429	131	297	257	342	282	397	323	G 2"	50	12.5	G 2"	373	570	3xM10
WOVP-430	962				357											630	

**WOVP  
SERIES  
Oil sealed Rotary Vane Vacuum Pump**

**WOVP-350**

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve, Built-in Float Valve Assembly for oil return, Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Oil Level Switch (Port), Temperature Switch (Port), Heater and Water Cooler.

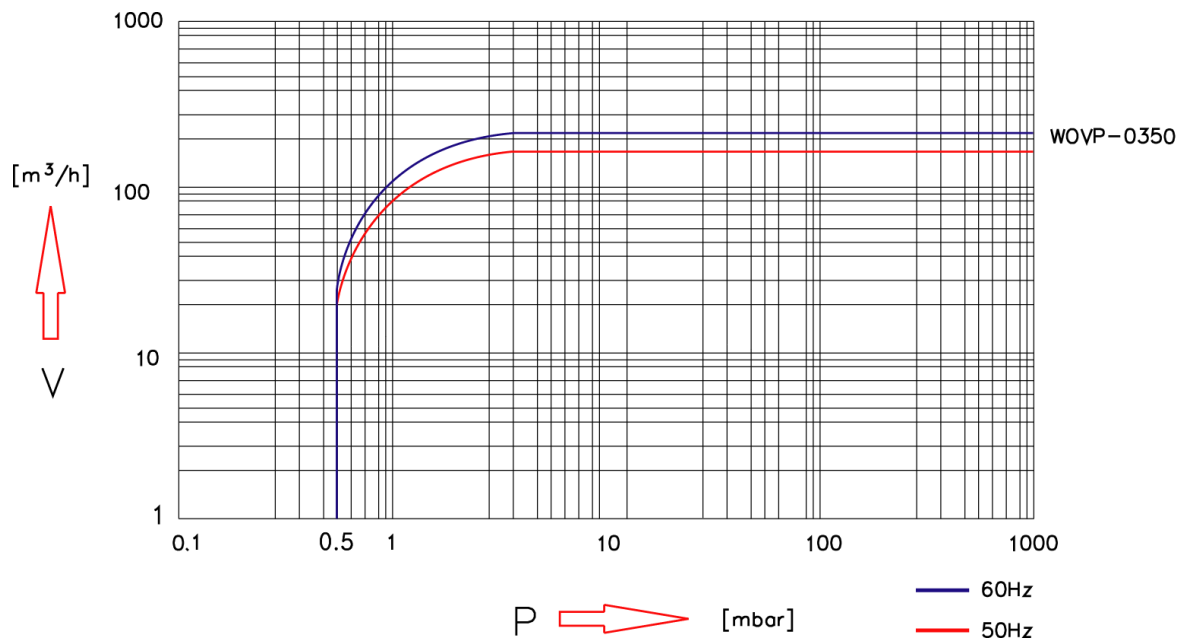
• **Specifications:**

Models			350
Displacement	60Hz	m <sup>3</sup> /h	210
	50Hz		175
End- Vacuum	F Type	mbar	< 0.5
Motor ( 3Ph)	IEC(Kw )	60Hz	5.5
		50Hz	5.5
	NEMA(Hp)	60Hz	7.5
Revolution	RPM	60Hz	1740
		50Hz	1450
Noise	dB(A)	60Hz	77
		50Hz	74
Operating Temp.	℃		85
Oil Capacity	Ltr		7
Connections	G(BSP) or NPT	Intake	2"
		Exhaust	2"
Weight	kg (w ith motor)		164

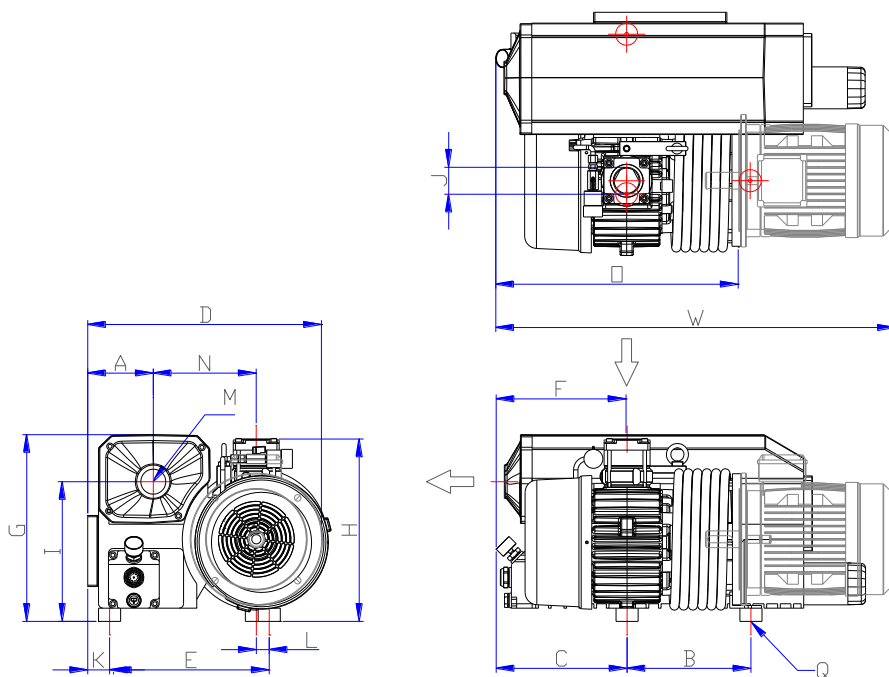
# WOVP S E R I E S Oil sealed Rotary Vane Vacuum Pump

## WOVP-350

### Performance Curve



### Dimensions



DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	□	Q
WOVP-0350	905	529	413	148	280	296	360	294	423	316	G 2"	50	29	G 2"	233	554	3xM8



# WOVP SERIES Oil sealed Rotary Vane Vacuum Pump

Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven

## WOVP-500 & 600



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.



**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve (N, F & NM Only), Built-in Float Valve Assembly for oil return, Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Oil Level Switch (Port), Temperature Switch (Port), Heater and Water Cooler.

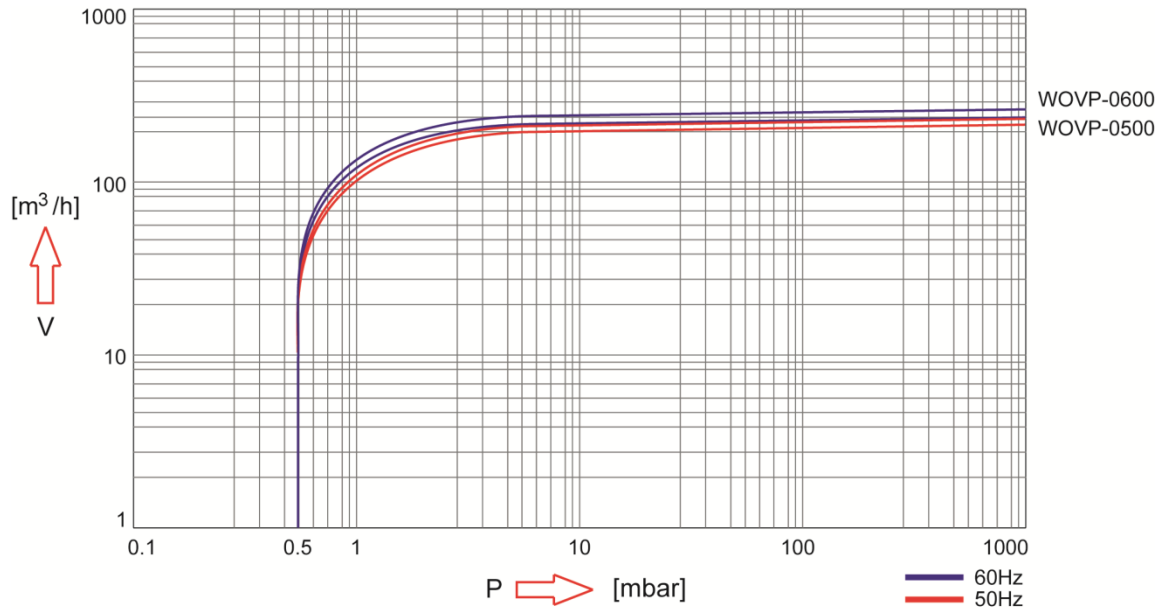
### • Specifications:

Models			500	600
Displacement	60Hz	m <sup>3</sup> /h	300	360
	50Hz		250	300
End Vacuum	F Type	mbar	< 0.5	< 0.5
Motor ( 3Ph)	IEC(Kw )	60Hz	7.5	8.6
		50Hz	5.5	7.5
	NEMA (Hp)	60Hz	10	11.5
Revolution	RPM	60Hz	1740	1740
		50Hz	1450	1450
Noise	dB(A)	60Hz	77	78
		50Hz	74	75
Operating Temp.	°C		85	85
Oil Capacity	Ltr		7	7
Connections	G(BSP) or NPT	Intake	2"	2"
		Exhaust	2"	2"
Weight	kg (w ith motor)		184	188

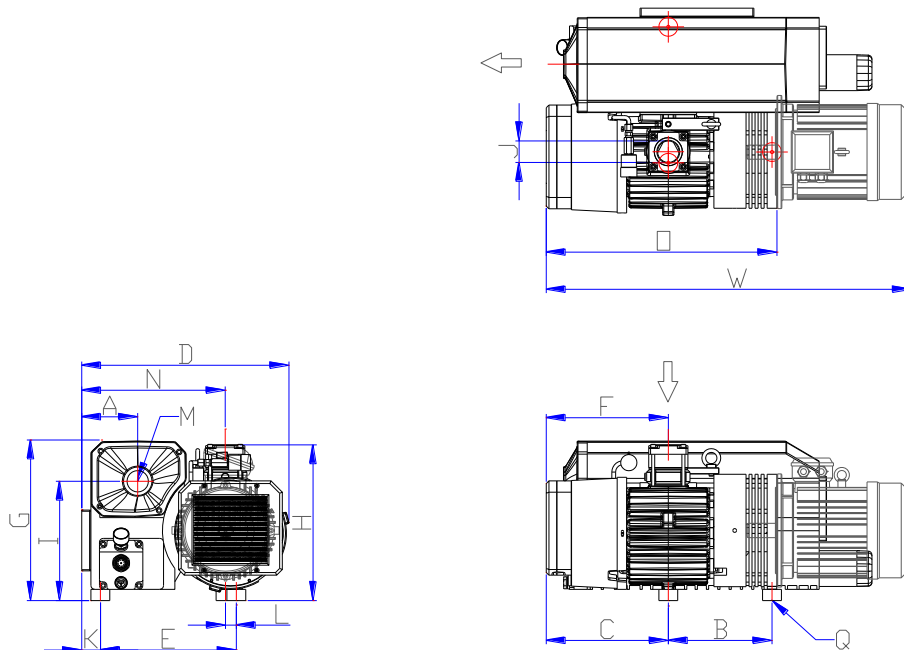
**WOVP  
SERIES  
Oil sealed Rotary Vane Vacuum Pump**

**WOVP-500 & 600**

**Performance Curve**



**Dimensions**



\* The dimensions in ( ) are for 50Hz

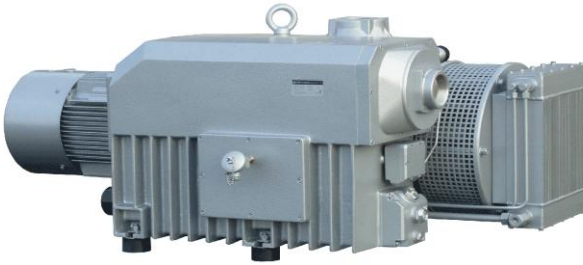
MODEL	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	P	Q
WOVP-0500	1006 (968)	550	413	149	275	323	360	324	426	316	G 2"	50	29	G 2"	380	612		3xM10
WOVP-0600	1032 (1006)				311								31					

\* The dimensions in ( ) are for 50Hz

**WOVP  
S E R I E S**  
**Oil sealed Rotary Vane Vacuum Pump**

**WOVP-800,1000 &1200**

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve, Spin-on Oil Filter.

**Optional Equipment:** Exhaust Pressure Gauge, Oil Level Switch (Port), Temperature Switch (Port), Heater Water Cooler, and Float Valve Assembly for oil return,

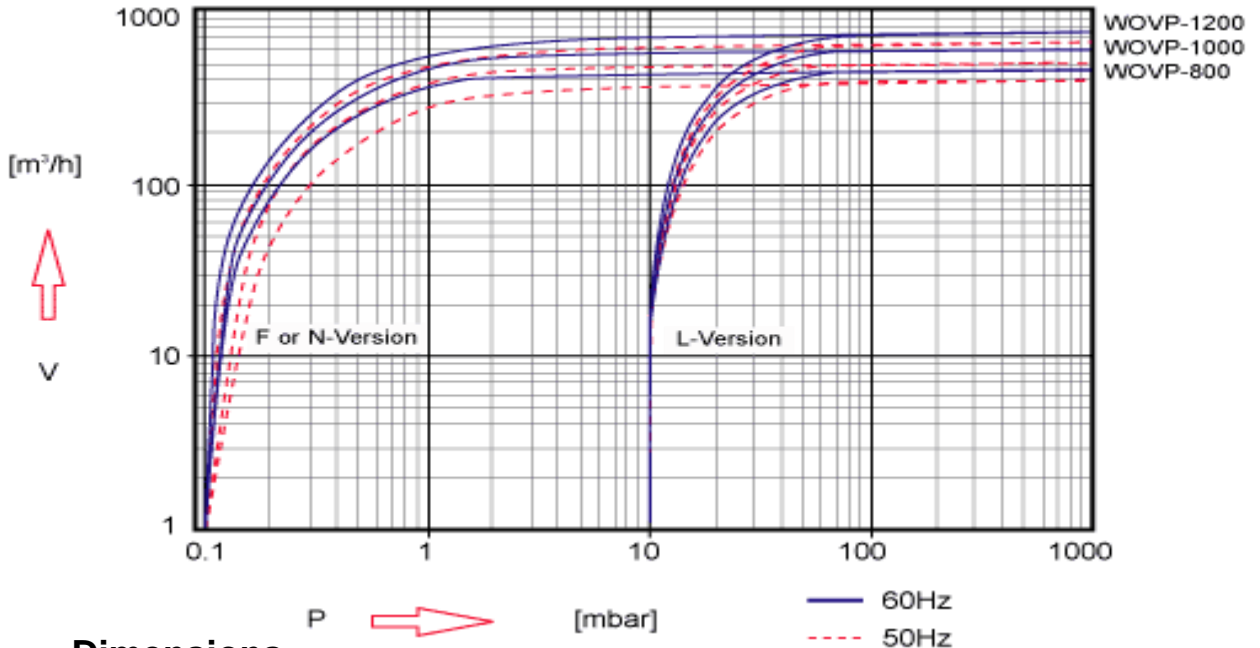
• **Specifications:**

Models			800	1000	1200
Displacement	60Hz	m <sup>3</sup> /h	505	600	780
	50Hz		420	500	660
End Vacuum	F or N version	mbar	0.1	0.1	0.1
	L version		10	10	10
Motor ( 3Ph)	IEC(Kw )	60Hz	11.25	15	18.5
		50Hz	11.25	11.25	15
	NEMA(Hp)	60Hz	15	20	25
Revolution	RPM	60Hz	1160	1160	1160
		50Hz	980	980	980
Noise	dB(A)	60Hz	78	79	79
		50Hz	76	77	77
Operating Temp.	℃		80	82	80
Oil Capacity	Ltr		19	19	19
Connections	G(BSP) or NPT	Intake	3"	3"	3"
		Exhaust	3"	3"	3"

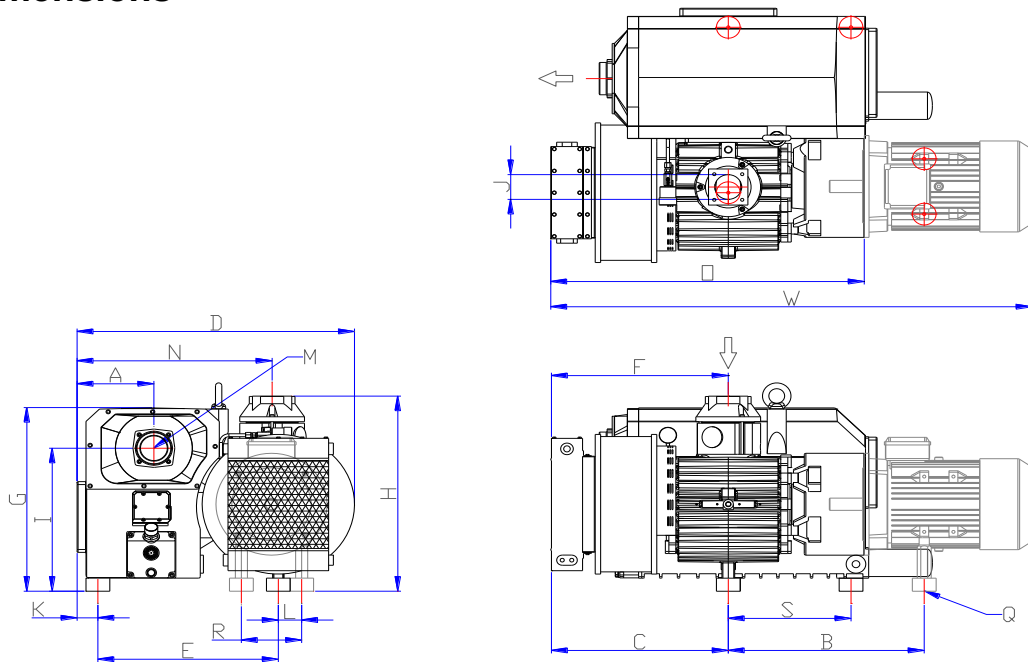
**WOVP  
S E R I E S**  
Oil sealed Rotary Vane Vacuum Pump

**WOVP-800, 1000 & 1200**

**Performance Curve**



**Dimensions**



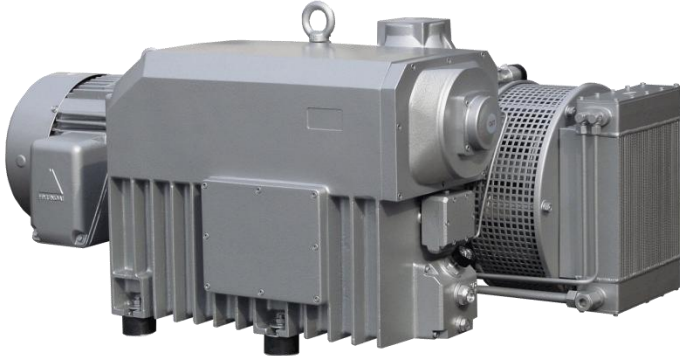
DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	Q	R	S
WOVP-1200	1747 (1652)				636 (584)	595		595					138 (118)			1097 (1057)		318 (279)	
WOVP-1000	1583 (1517)	874	671	242	549 (617)	559	569	559	631	491	G3"	65	118 (74)	G3"	614	988	4x12	279 (190)	387
WOVP-0800	1484 (1418)				417 (585)	494		494					118 (74)			889		279 (190)	

\* The dimensions in ( ) are for 50Hz

# WOVP SERIES Oil sealed Rotary Vane Vacuum Pump

## WOVP-1500

Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – C-Face Design requires no belts
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.

**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass, Gas Ballast Valve, Spin-on Oil Filter, Exhaust Pressure Gauge.

**Optional Equipment:** Oil Level Switch (Port), Temperature Switch (Port), Heater, Water Cooler, and Float Valve Assembly for oil return,

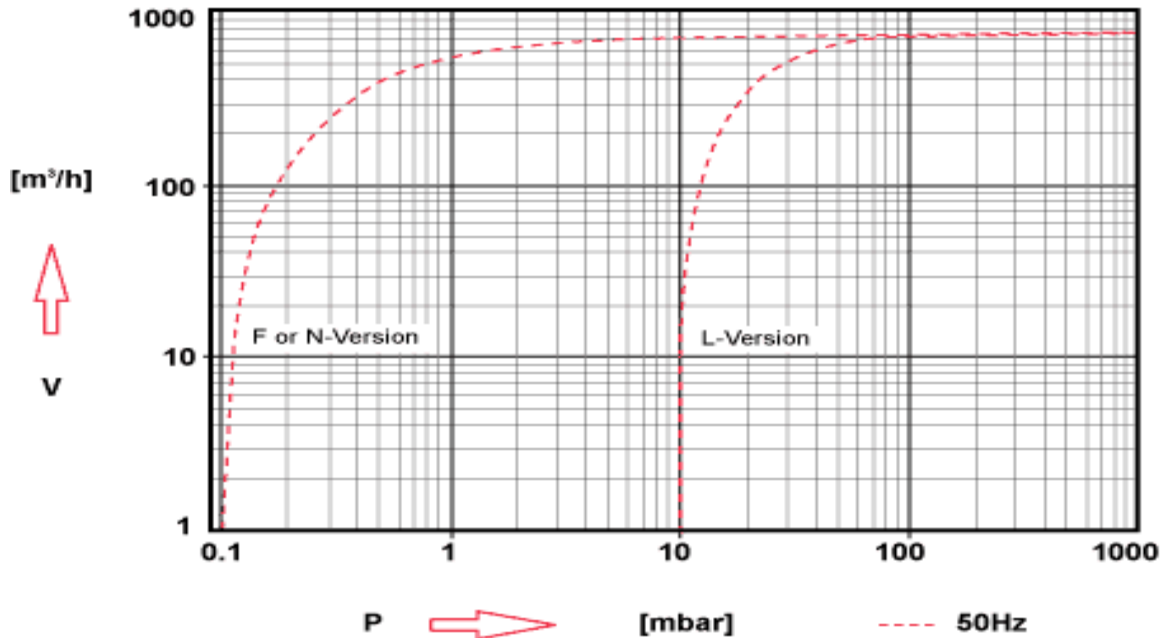
### • Specifications:

Models			1500
Displacement		M3/hour	750
End Vacuum	F or N version	mbar	0.1
	L version		10
Motor		50Hz	18.5
Revolution		50Hz	1500
Noise		50Hz	79
Operating Temp.	℃		85
Oil Capacity	Ltr		19
Connections	G(BSP) or NPT	Intake	3"
		Exhaust	3"
Weight	kg (with motor) for 50Hz motor		535

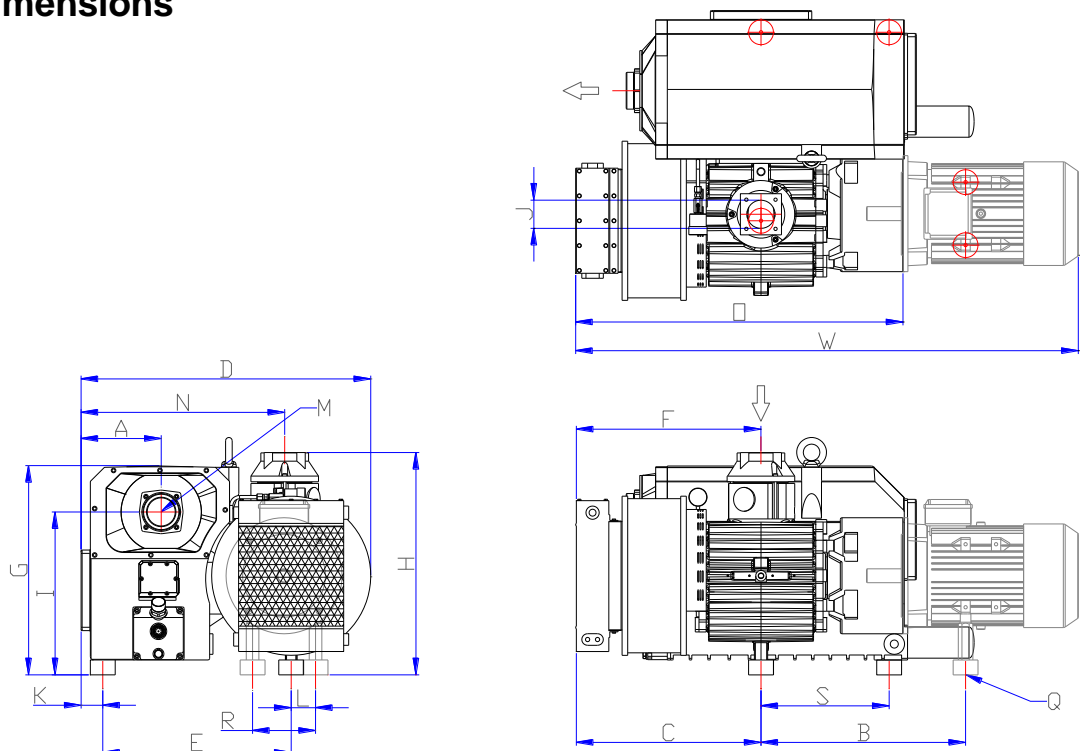
**WOVP  
SERIES**  
Oil sealed Rotary Vane Vacuum Pump

**WOVP-1500**

**Performance Curve**



**Dimensions**

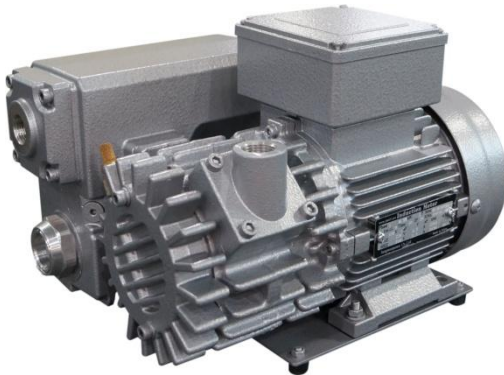


DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	Q	R	S
WOVP-1500	1583	874	671	242	698	559	569	559	631	491	G3"	65	118 (74)	G3"	614	988	4x12	279 (190)	387

# WO S E R I E S Oil sealed Rotary Vane Vacuum Pump

**Single Stage, Oil Re-circulating, Air Cooled, and Direct Driven**

**WO-10, 12 & 20**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled No Water Required.
- Direct Drive – Compact Size
- Integral Exhaust Filter – Discharge Air 99.9% Oil Free
- Quite Operation.



**Standard Equipment:** Composite Vane, Wire mesh Inlet Filter Screen, Vibration Isolator, TEFC High Efficiency Motor, Anti-Suck Back Valve, Oil Level Sight Glass(1), Exhaust Cover(threaded).

**Optional Equipment:** Additional Oil level sight Glass, Exhaust Filter Pressure Gauge.

## Specifications:

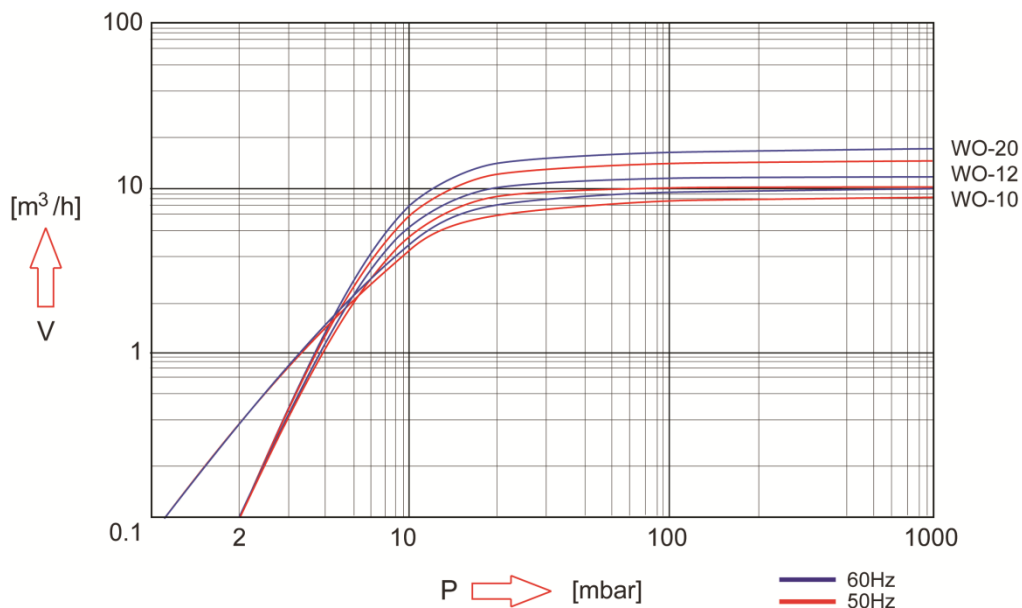
Models			10	12	20
Displacement	60Hz	m <sup>3</sup> /h	10	12	19
	50Hz		8	10	16
End Vacuum	Float Type		0.5	2	2
Motor ( 1 & 3Ph)	Kw	50/60Hz	0.3	0.3	0.6
Revolution	RPM	60Hz	1800	3600	3600
		50Hz	1500	3000	3000
Noise	dB(A)	60Hz	60	63	64
		50Hz	57	59	60
Operating Temp.	°C		77	80	85
Oil Capacity	Ltr		0.3	0.3	0.3
Connections	G(BSP) or NPT	Intake	1/2"	1/2"	1/2"
		Exhaust	1/2"	1/2"	1/2"
Weight	Kg (with motor)		16	16	18



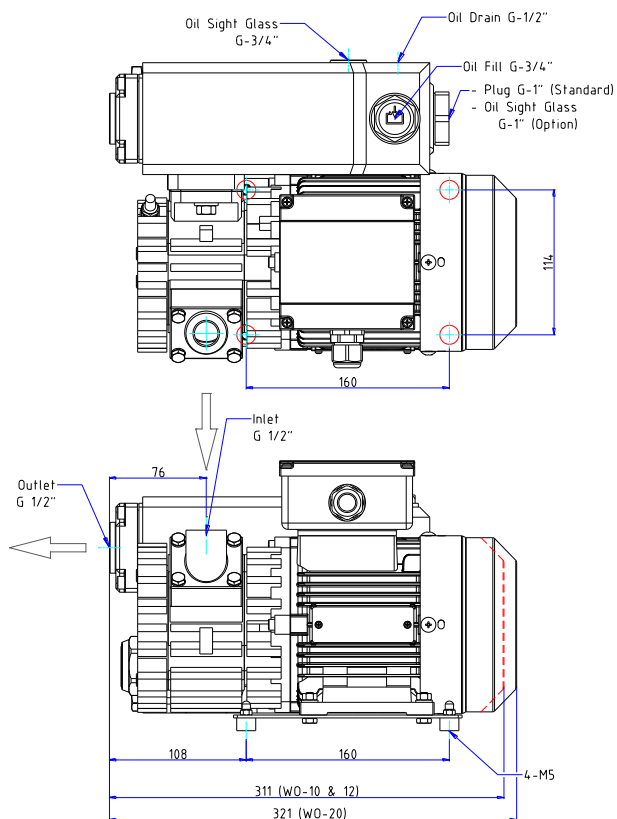
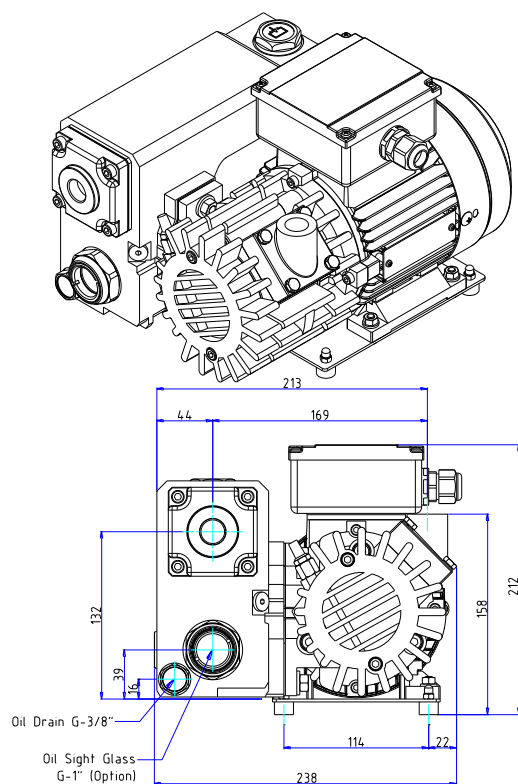
# WO SERIES Oil sealed Rotary Vane Vacuum Pump

## WO-10, 12 & 20

### Performance Curve



### Dimensions



## **WVS & WBS S E R I E S Dry Rotary Vane Vacuum Pumps**

### **■Operating Principle:**

Wonchang's Dry Rotary Vane Pumps operate according to the rotary vane principal. The rotor is eccentrically positioned in the pump cylinder and has the machined slots for sliding of the vanes. The centrifugal forces of the rotation pushes vanes out towards the wall of the cylinder. The gas enters vacuum pump through the inlet manifold (Air filter) and is compressed and pushed out through the outlet manifold (built-in silencer) installed on pump module. The regulators installed on manifold are adopted for regulating vacuum or pressure level constantly. Carbon material vane is employed for self-lubrication.

### **■Versions:**

WVS/WBS Series are designed for reliability in a multitude of applications. Available in various combination versions to the pumps, each pump is designed to meet your vacuum and pressure needs.

- WVS (Single Pump Module)
  - 1) V version – Vacuum Operation only
  - 2) VB version – Vacuum and Blow Operation
- WBS (Dual Pump Modules)
  - 1) V version – Vacuum operation on each module independently
  - 2) VV version – Vacuum operation only - double capacity by combining two modules
  - 3) VB version – Vacuum or Blow operation on each module
  - 4) VBVB version – Vacuum and Blow operation on each module
  - 5) B version – Blow operation only on each module independently
  - 6) BB version – Blow operation only - double capacity by combining two modules

### **■Features:**

- Single Stage, Carbon Vane Rotary, Air-Cooled.
- Compact Design – Reliability & Durability – Easy to maintain and operate
- Simple installation – Air Cooled – No water Required.
- Quiet Operation
- Oil free

### **■Applications:**

WVS / WBS series are ideal for use of following applications:  
Printing, Book Binding, Packing, Forming, Automation, Absorption and many other industrial applications.

# WVS SERIES Dry Rotary Vane Vacuum Pumps

## • Standard Equipment:

- Carbon Vanes
- TEFC High efficiency Motor
- Vacuum Regulator & Gauge
- Vibration Isolators
- Built-in particulate Filter & Silencer
- Pressure Regulator & Gauge (Optional)

## • Technical data

For dimension/curve information, please see each page of the model.

Models			WVH		WVS						WBS									
			3	5	3 / 3H	5 / 5H	6 / 6H	8 / 8H	9 / 9H	10 / 10H	30A	50A	60A	80A	80B	85B	90B	95B	100B	
Displace-ment	60Hz	l/min	260	400	280	480	685	1115	1350	2200	280x2	480x2	685x2	1115x2	1115x2	1350+ 1115	1350x2	1350+ 2200	2200x2	
	50Hz	l/min	220	330	235	405	575	935	1130		235x2	405x2	575x2							
End- Vacuum	mm HgG		724		610	650				670	650									
Normal Operating Vacuum	mm HgG		400~724		450 / 600					410 / 600	450							410		
Normal Operating Pressure	Kgt/cm2		/		0.6					0.5	0.6									
Motor	Kw		0.4	0.75	0.4	0.75	1.5	1.5(6P)	2.2(6P)	4	0.75	1.5	2.2	4	4	4	5.5	5.5	7.5	
Pump RPM	60Hz	rpm	1430	1300	1740	1740	1740	1160	1160	1100	1740	1740	1740	1160	1160	1160	1160	1160+ 1100	1100	
	50Hz	rpm	1190	1080	1450	1450	1450	980	980	1100	1450	1450	1450							
Operating Amb.Temp	℃		0 ~ 40 ℃																	
Connections	Intake(G-Bsp)		3/8"		3/4"			1"		1-1/4"	3/4"			1"				1" -1-1/4"		1-1/4"
Driven			T-Belt		Coupling					V-Belt	T-Belt				V-Belt					
Weight	kg (w/ motor)		22	33	24	33	44	73	97	120	40	56	75	115	129	150	165	200	235	

Weight can be varied upon motor makers and its specification.

**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WVH- 3, 5**

**Single Stage, Carbon Vane Rotary, Air Cooled,**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- **Belt Drive**

**Standard Equipment:** Carbon Vanes, Built-in Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Inlet Filter

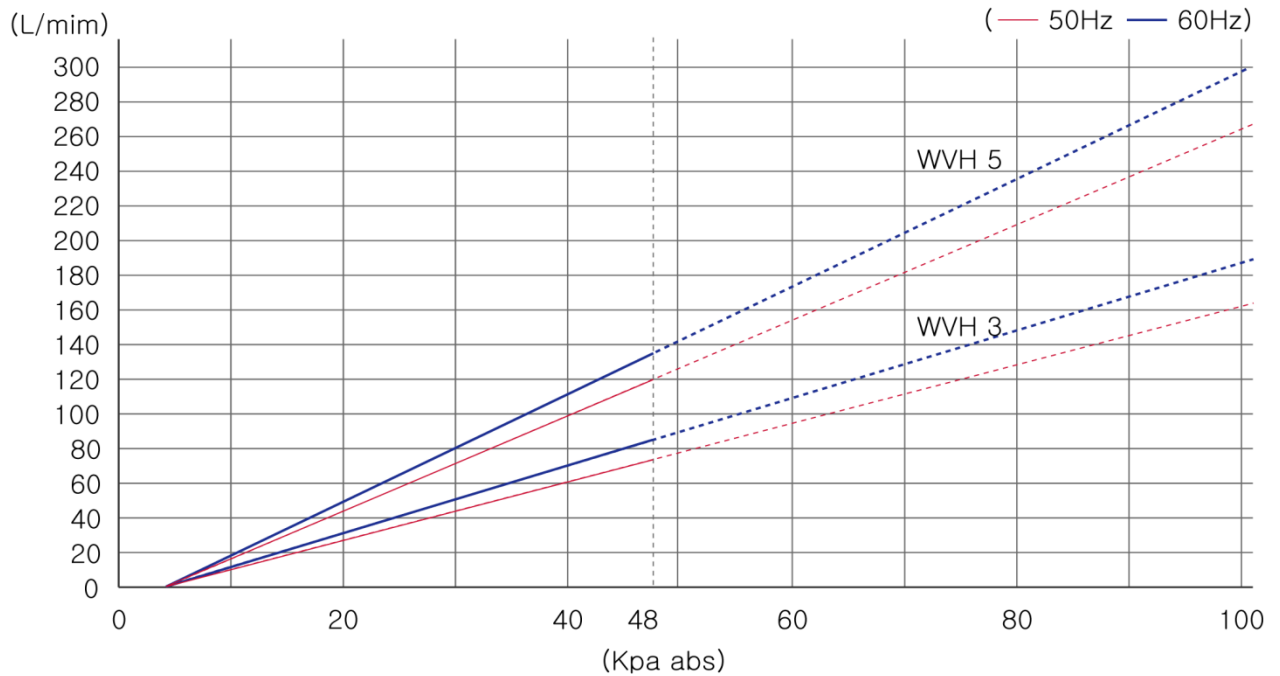
• **Specifications:**

MODEL		WVH-3	WVH-5
Displacement	60Hz l/min	260	400
	50Hz l/min	220	330
End Vacuum	mm HgG	724	724
Normal Operating Vacuum	mm HgG	400~724	400~724
Motor	Kw	0.4	0.75
Pump Revolution	60Hz rpm	1430	1300
	50Hz rpm	1190	1080
Operating Amb.Temp.	°C	0 ~ 40 °C	
Connections	Intake(G-Bsp)	3/8"	3/8"
Driven		Belt	
Weight	kg (with motor)	22	33

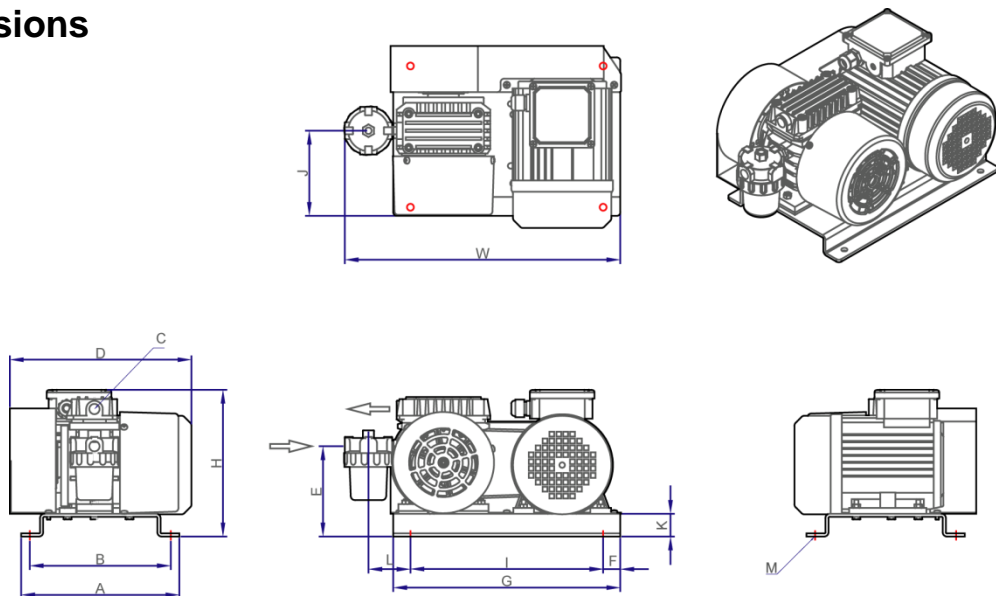
**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WVH- 3, 5**

**Performance Curve**



**Dimensions**



DIMENSIONS	W	D	H	A	B	C	E	F	G	I	J	K	L	M
WVH-3	400	264	213	230	205	3/8"	131	25	330	280	124	33	61	4-ø10
WVH-5	482	295	234	240	217	3/8"	145	30	360	300	146	33	63	4-ø10

**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WVS- 3, 5& 6, 3H, 5H & 6H**

**Single Stage, Carbon Vane Rotary, Air Cooled,**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- Direct Coupling Drive

**Standard Equipment:** Carbon Vanes, Built-in particulate Filter & Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Pressure Gauge & regulator for Blow operation

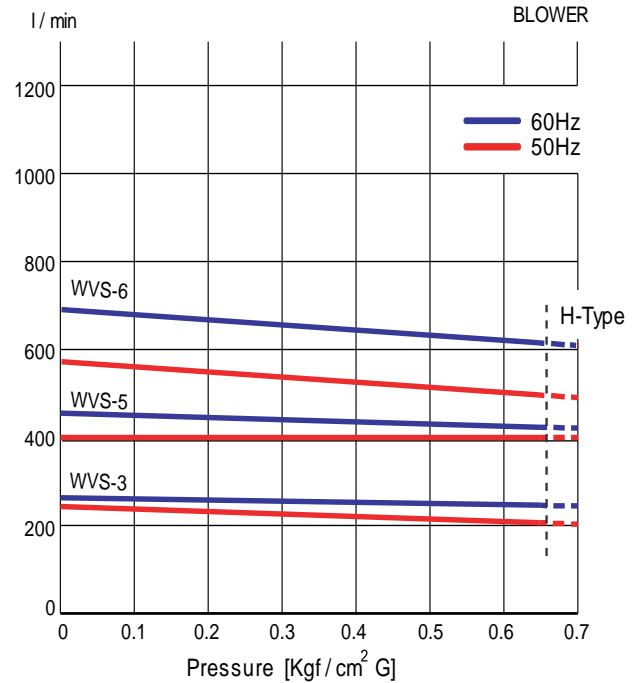
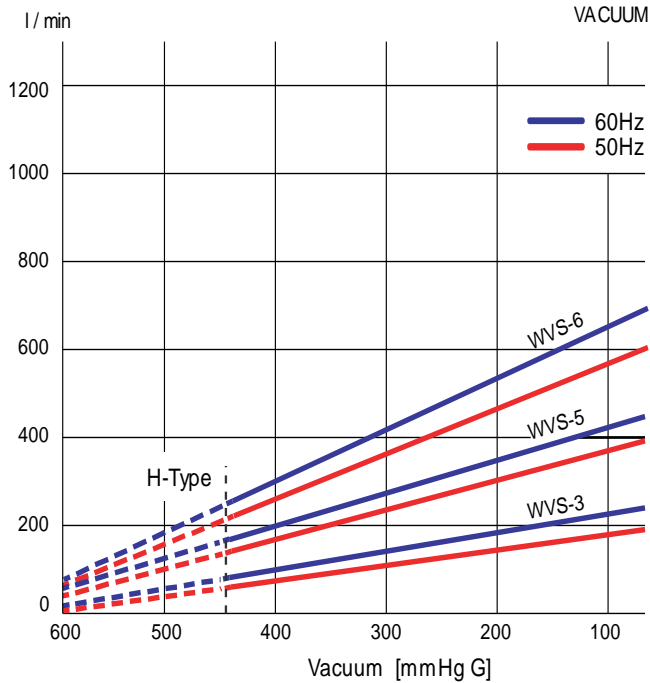
• **Specifications:**

MODEL			WVS-3 / 3H	WVS-5 / 5H	WVS-6 / 6H
Displacement	60Hz	l/min	280	480	685
	50Hz	l/min	235	405	575
End Vacuum	mm HgG		610	650	650
Normal Operating Vacuum	mm HgG		450 / 600	450 / 600	450 / 600
Normal Operating Pressure	Kgf/cm2		0.6	0.6	0.6
Motor	Kw		0.4	0.75	1.5
Pump Revolution	60Hz	rpm	1740	1740	1740
	50Hz	rpm	1450	1450	1450
Operating Amb.Te mp.	°C		0 ~ 40 °C		
Connections	Intake(G-Bsp)		3/4"	3/4"	3/4"
Driven			coupling		
Weight	kg (with motor)		24	33	44

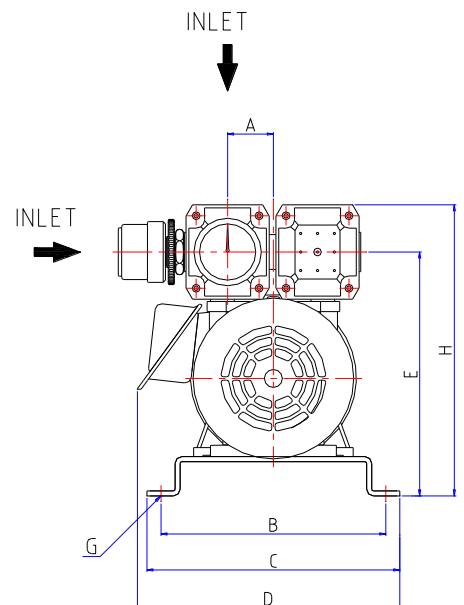
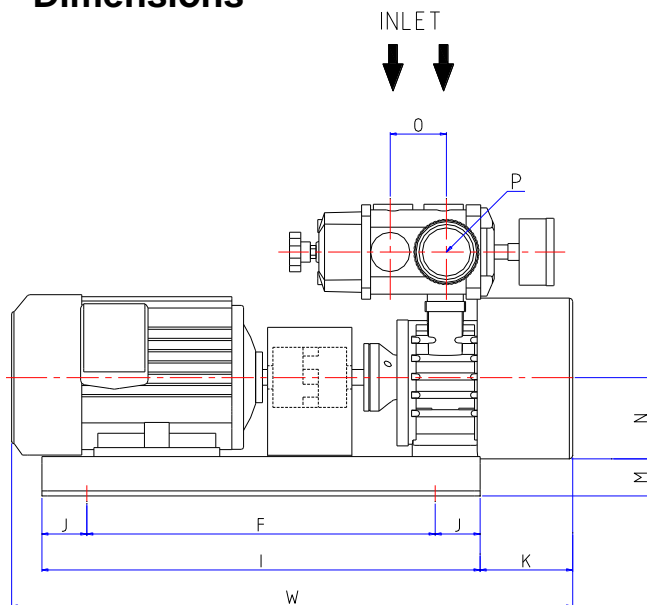
**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WVS- 3, 5 & 6, 3H, 5H & 6H**

**Performance Curve**



**Dimensions**



DIMENSIONS	W	H	A	B	C	D	E	F	G	I	J	K	M	N	O	P
WVS-3	500	255	45	200	230	230	210	310	4-φ9	390	40	90	32	71	50	Rc3/4"
WVS-5	560	255		200	230	250	220	310	4-φ9	390		95	32	80		
WVS-6	650	310		225	250	270	260	395	4-φ9	475		110	50	90		



# WVS SERIES Dry Rotary Vane Vacuum Pumps

## WVS- 8 & 9, 8H & 9H

Single Stage, Carbon Vane Rotary, Air Cooled,



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- Direct Coupling Drive

**Standard Equipment:** Carbon Vanes, Built-in particulate Filter & Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Pressure Gauge & regulator for Blow operation

### • Specifications:

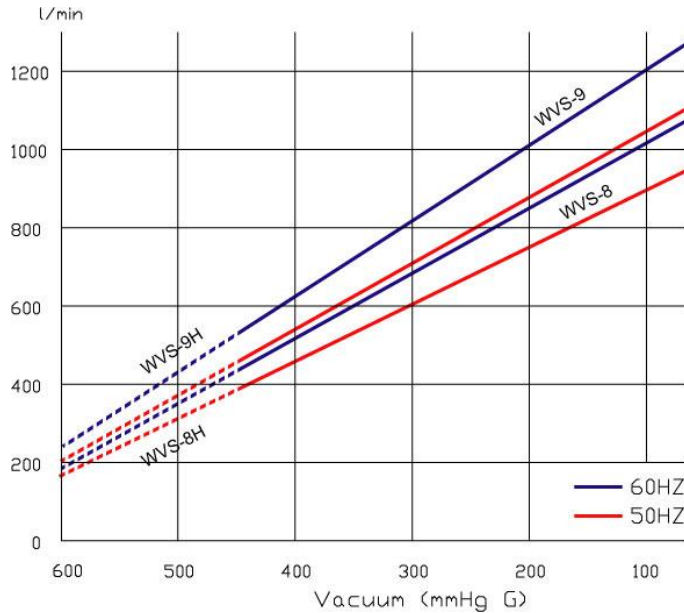
MODEL			WVS-8	WVS-8H	WVS-9	WVS-9H
Displacement	60Hz	l/min	1115	1115	1350	1350
	50Hz	l/min	935	935	1130	1130
End Vacuum	mm HgG		650	740	650	740
Normal Operating Vacuum	mm HgG		450	600	450	600
Normal Operating Pressure	Kgf/cm2		0.6	0.7	0.6	0.7
Motor	Kw		1.5(6P)	1.5(6P)	2.2(6P)	2.2(6P)
Pump Revolution	60Hz	rpm	1160	1160	1160	1160
	50Hz	rpm	980	980	980	980
Operating	°C		0 ~40°C			
Connections	Intake(G-Bsp)		1"	1"	1"	1"
Driven			Via Coupling			
Weight	kg (with motor)		73	73	97	97

**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

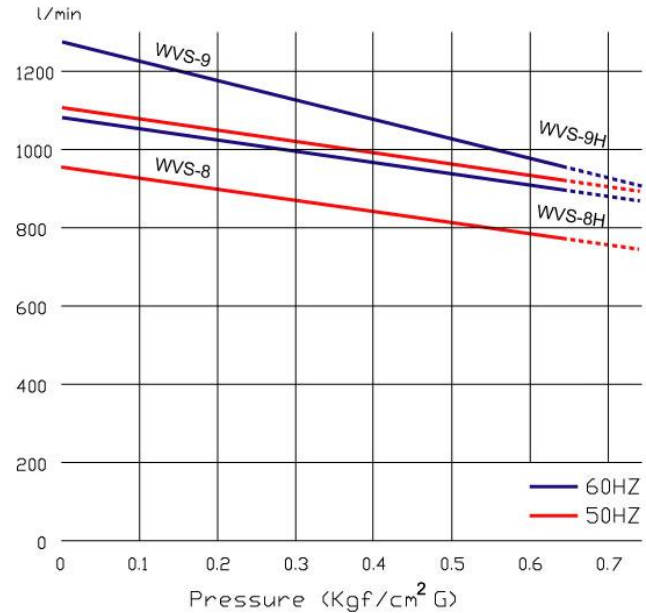
**WVS- 8 & 9, 8H & 9H**

**Performance Curve**

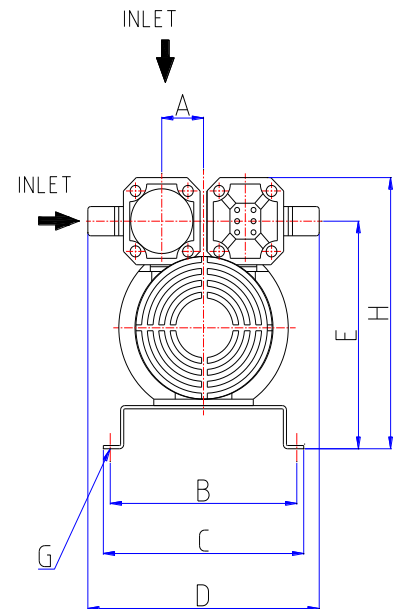
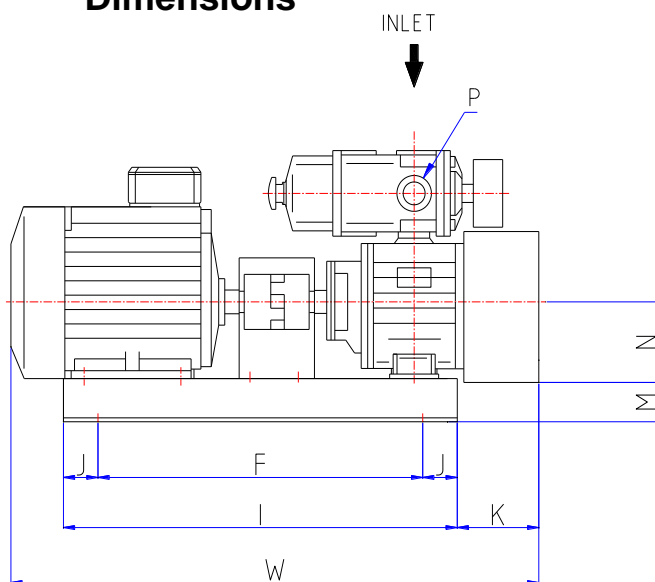
**VACUUM**



**BLOWER**



**Dimensions**



DIMENSIONS	W	H	A	B	C	D	E	F	G	I	J	K	M	N	P
WVS-8	720	360	50	235	270	300	300	430	4- $\phi$ 9	520	45	130	55	100	1"
WVS-9	764	375	60	270	290	335	322	470	4- $\phi$ 9	570	50	118		112	

**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WVS- 10 & 10H**

**Single Stage, Carbon Vane Rotary, Air Cooled,**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- V - Belt Drive

**Standard Equipment:** Carbon Vanes, Built-in particulate Filter & Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Pressure Gauge & regulator for Blow operation

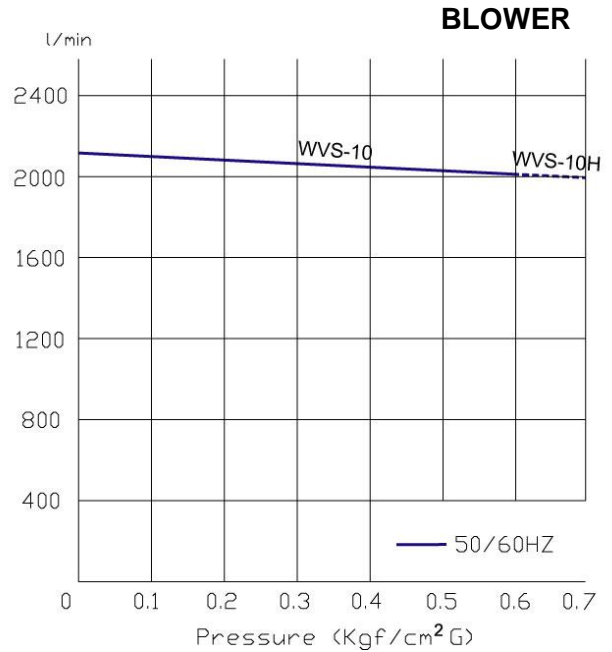
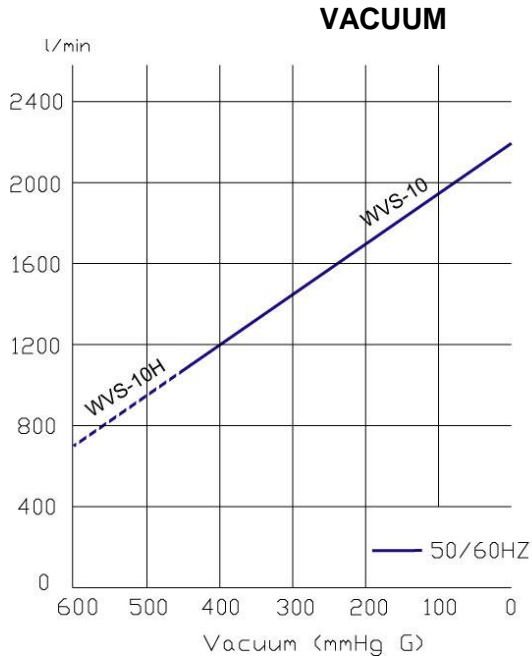
• **Specifications:**

MODEL			WVS-10	WVS-10H
Displacement	60Hz	l/min	2200	2200
	50Hz	l/min		
End Vacuum	mm HgG		670	740
Normal Operating Vacuum	mm HgG		410	600
Normal Operating Pressure	Kgf/cm2		0.5	0.7
Motor	Kw		4	4
Pump Revolution	60Hz	rpm	1100	1100
	50Hz	rpm		
Operating Amb. Temp.	°C		0 ~ 40 °C	0 ~ 40 °C
Connections	Intake(G-Bsp)		1-1/4"	1-1/4"
Driven			V-Belt	V-Belt
Weight	kg (with motor)		120	120

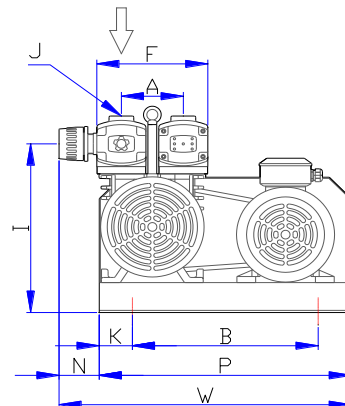
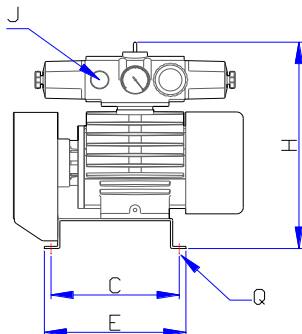
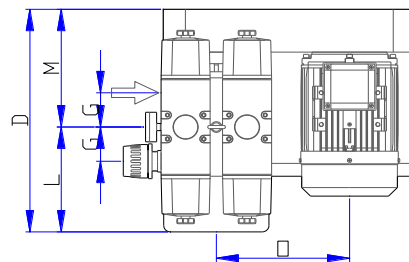
**WVS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

# WVS- 10 & 10H

## Performance Curve



## Dimensions

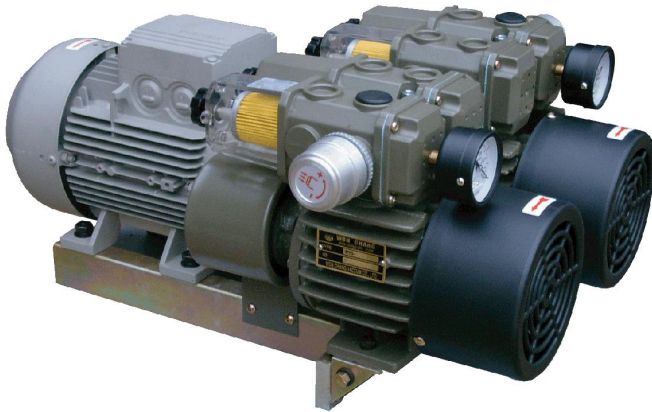


MODEL	W	D	H	A	B	C	E	F	G	I	J	K	L	M	N	O	P	Q
WVS-10A	660	520	482	140	420	290	320	251	-	394	1-1/4"	75	245	275	80	301	570	Ø11-4

**WBS  
SERIES  
Dry Rotary Vane Vacuum Pumps**

**WBS- 30A, 50A, 60A & 80A**

**Single Stage, Carbon Vane Rotary, Air Cooled,**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- Timing Belt Drive
- Ideal for Vacuum and Blow Operation

**Standard Equipment:** Carbon Vanes, Built-in particulate Filter & Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Pressure Gauge & regulator for Blow operation

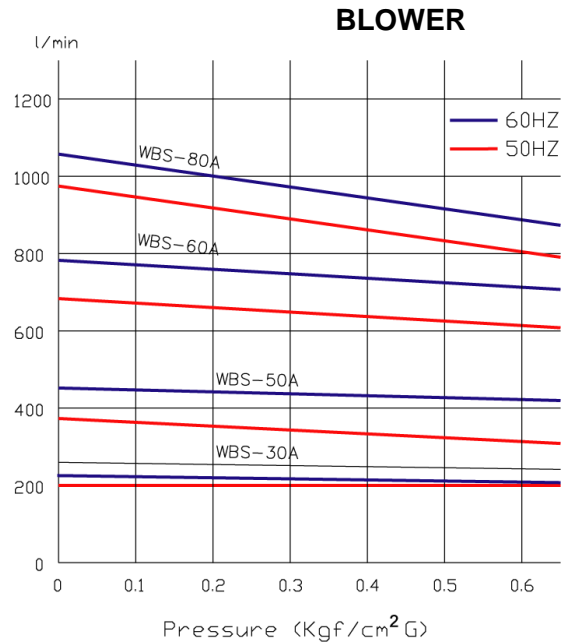
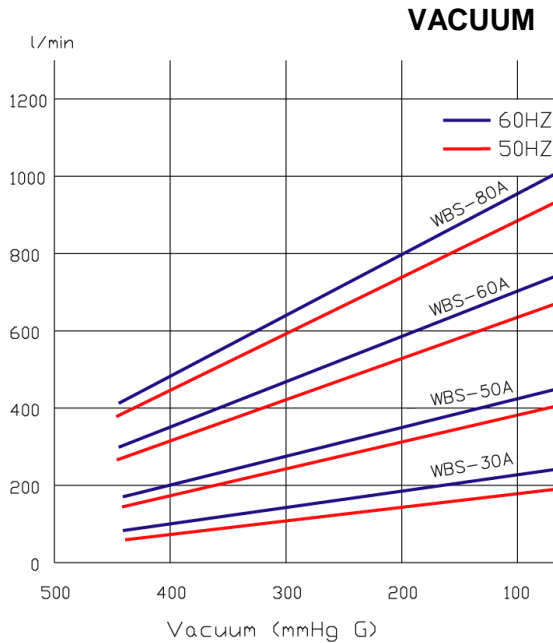
• **Specifications:**

MODEL			WBS-30A	WBS-50A	WBS-60A	WBS-80A
Displacement	60Hz	l/min	280x2	480x2	685x2	1115x2
	50Hz	l/min	235x2	405x2	575x2	
End Vacuum	mm HgG		650	650	650	650
Normal Operating Vacuum	mm HgG		450	450	450	450
Normal Operating Pressure	Kgf/cm2		0.6	0.6	0.6	0.6
Motor	Kw		0.75	1.5	2.2	4
Pump Revolution	60Hz	rpm	1740	1740	1740	1740
	50Hz	rpm	1450	1450	1450	1450
Operating Amb.Temp.	°C		0 ~ 40 °C			
Connections	Intake(G-Bsp)		3/4"	3/4"	3/4"	1"
Driven			T-Belt	T-Belt	T-Belt	T-Belt
Weight	kg (with motor)		44	56	75	115

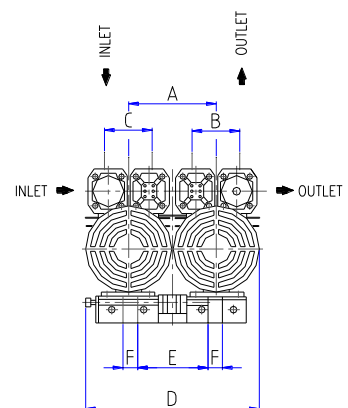
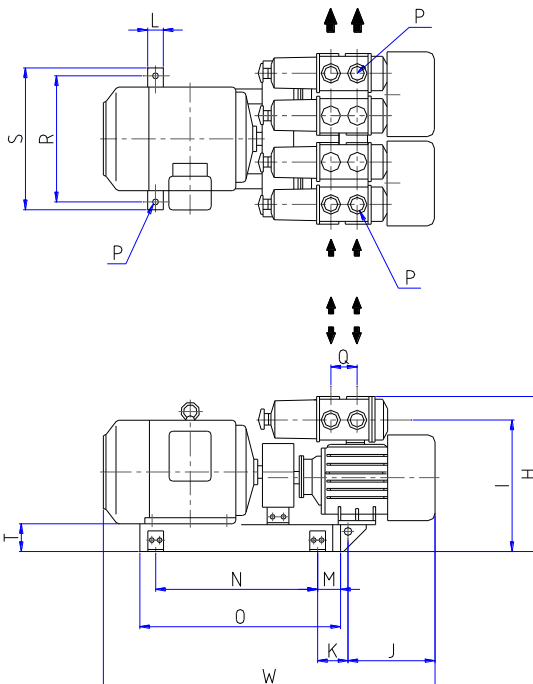
# WBS SERIES Dry Rotary Vane Vacuum Pumps

## WBS- 30A, 50A, 60A & 80A

### Performance Curve



### Dimensions



DIMENSIONS	W	H	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P	Q	R	S	T
WBS-30A	482	325	270	170	90	90	97	28	4-φ9	224	110	65	30	35	225	287	Rc3/4"	50	205	233	50
WBS-50A	559	325	280	170	90	90	112	28	4-φ9	234	130	65	30	35	270	332	Rc3/4"	50	220	248	50
WBS-60A	646	305	202	90	90	505	282	28	4-φ9	225	243	86	30	46	280	381	Rc3/4"	50	240	268	50
WBS-80A	695	350	240	115	115	600	315	28	4-φ9	300	278	102	30	46	292	416	Rc1"	72	270	298	50

**WBS  
S E R I E S  
Dry Rotary Vane Vacuum Pumps**

**WBS- 80B, 85B, 90B, 95B &100B**

**Single Stage, Carbon Vane Rotary, Air Cooled,**



- Compact Design - Reliability & Durability – Easy to maintain and operate.
- Simple Installation – Air Cooled, No Water Required – Oil Free
- Quite Operation.
- V - Belt Drive
- Ideal for Vacuum and Blow Operation

**Standard Equipment:** Carbon Vanes, Built-in particulate Filter & Silencer, Vibration Isolators, Vacuum gage and Regulator, TEFC High Efficiency Motor

**Optional Equipment:** Pressure Gauge & regulator for Blow operation

• **Specifications:**

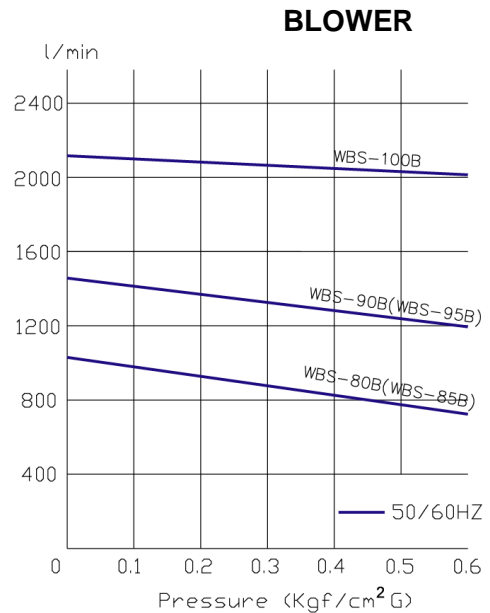
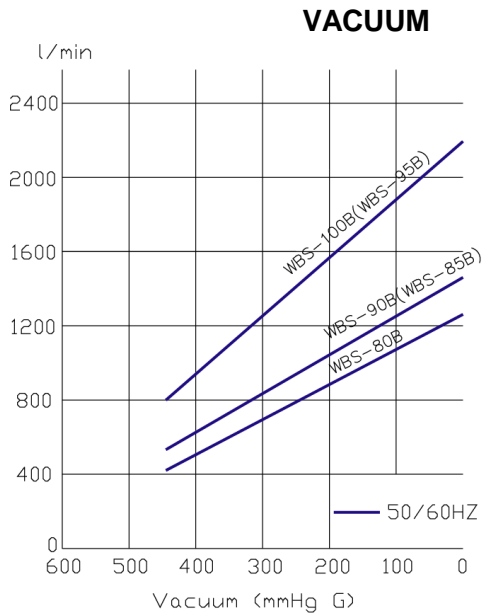
			WBS-80B	WBS-85B	WBS-90B	WBS-95B	WBS-100B
Displace ment	60Hz	l/min	1115x2	1350+1115	1350x2	1350+2200	2200x2
	50Hz	l/min					
End Vacuum	mm HgG		650	650	650	650	650
Normal Operating Vacuum	mm HgG		450	450	450	450	410
Normal Operating Pressure	Kgf/cm2		0.6	0.6	0.6	0.6	0.6
Motor	Kw		4	4	5.5	5.5	7.5
Pump Revolution	60Hz	rpm	1160	1160	1160	1160+ 1100	1100
	50Hz	rpm					
Operating Amb.Temp.	℃		0 ~ 40 ℃				
Connections	Intake(G-Bsp)		1"	1"	1"	1" -1-1/4"	1-1/4"
Driven			V-Belt	V-Belt	V-Belt	V-Belt	V-Belt
Weight	kg (with motor)		129	150	165	200	235



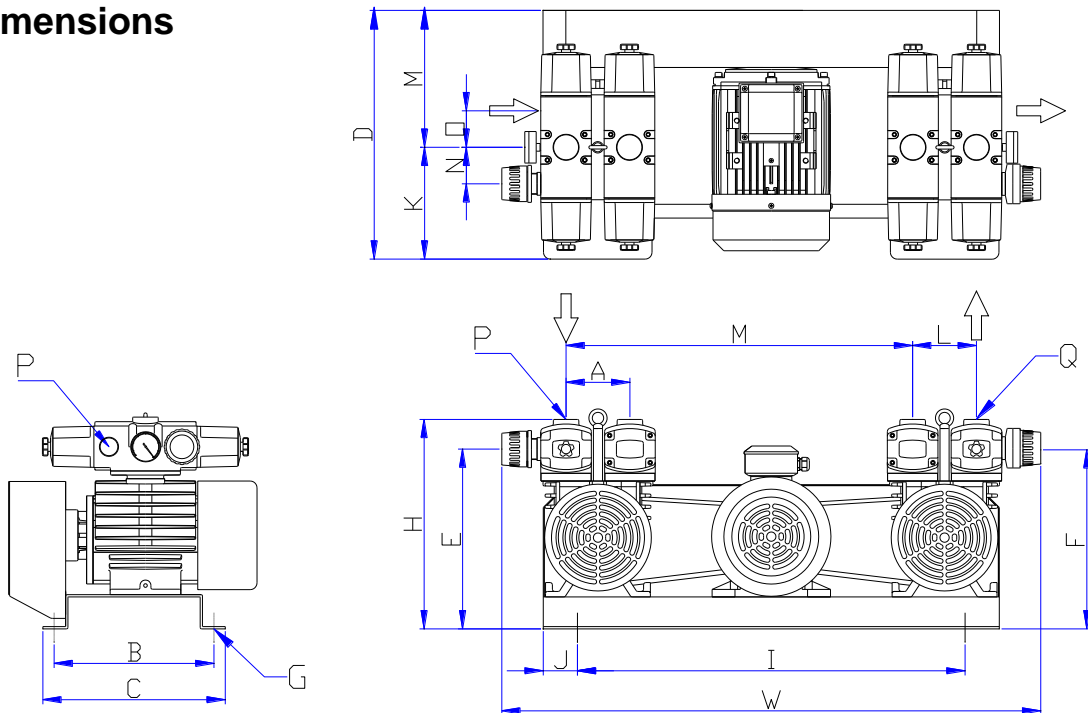
**WBS  
S E R I E S  
Dry Rotary Vane Vacuum Pumps**

**WBS- 80B, 85B, 90B, 95B &100B**

**Performance**



**Dimensions**



DIMENSIONS	W	H	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P	Q
WBS-80B	1040	360	115	350	400	450	300	300	4-ø9	800	100	170	115	700	-	70	Rc1"	Rc1"
WBS-85B	1055	390	120	350	400	450	340	300	4-ø11	800	100	170	115	700	-	50/70	Rc1"	Rc1"
WBS-90B	1070	390	120	350	400	450	340	340	4-ø11	800	100	190	120	700	-	50	Rc1"	Rc1"
WBS-95B	1095	455	140	350	400	545	960	390	4-ø11	800	100	245/190	120	700	-	80/50	Rc4/1"	Rc1"
WBS-100B	1120	455	140	350	400	545	400	390	4-ø11	800	100	245	140	700	80	80	Rc4/1"	Rc4/1"

# VCX- B S E R I E S Claw Vacuum Pumps

## VCX- 60, 100, 150, 250, 300, 400 & 505




**Dry Running - Oil Free – Contact Free Design**

- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

### Applications:

Packaging, CNC Routing, Wood Works, Pneumatic Conveying, Holding & Lifting, Pick and Place, Medical & Lab., Plastics Industries, Central Vacuum Systems.

**Safety:** CE certified (DOC) 

### General Description:

The VCX-B Series pumps are dry contact-less vacuum pumps with modular constructions consisting of compartments: pumping and gear chambers are separated by using labyrinth seals., As two claws rotate in opposite direction, the air will be sucked in the pumping chamber, compressed and discharged under pressure. In gear chamber, two gears for synchronizing of claws rotation will be placed with appropriate oil lubrication. A built in anti-suck back valve installed in inlet flange will prevent the air from flowing back into the vacuum chamber when the pump is shutdown. The pumps are directly driven by a flanged motor via a coupling.

### Specifications:

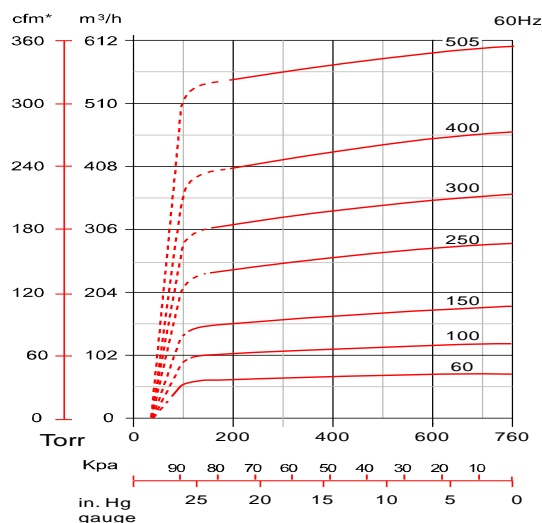
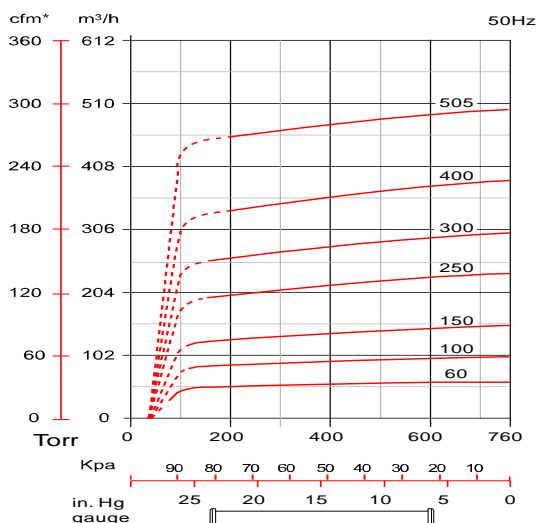
Model		VCX 60	VCX 100	VCX 150	VCX 250	VCX 300	VCX 400	VCX 505
M3/ Hour	60Hz	72	120	180	282	360	462	600.
	50Hz	60	100	150	234	300	385	500
Ulti. Va. Max.	Torr	722 Torr gage (50mbar abs )						
Ulti. Va. Conti.	Torr	685	640		610		580	
Kw	60Hz	1.5	2.6	3.6	4.8	6.6	9	11
	50Hz	1.1	2.2	3	4	5.5	7.5	9
RPM	60/50Hz	3450/2850						
Voltage Available		208~230/460V, 220~240 /380~420V, 400/690V						
dB(A), Average	60Hz	80	77	79	79	80	85	85
	50Hz	78	76	78	77	77	83	84
Oil Capa (Gear box)	Ltr	0.6	0.75		1.1			
Inlet / Outlet Conn.	**BSP(G)	1"	1-1/2"		2"		3"	
L * x W x H (mm)	60Hz	758x321x461	720x548x399	771x548x399	903x716x569	918x716x569	1039x758x589	1227x758x589
	50Hz	736x321x461	709x548x399	733x548x399	906x716x569		997x758x589	1058x758x589
Amb. Operating Temp.	(°C)	5°C ~40°C						
Approx. *Weight (Kg).	60Hz	60	111	123	218	222	302	307
	50Hz	55	106	119	212	229	270	275
Accessories	Non Return Valve, Vacuum Regulator, Exhaust Silencer							

Note: 1) \* Length varies to motor mfg 2) \*\*NPT threads available upon request

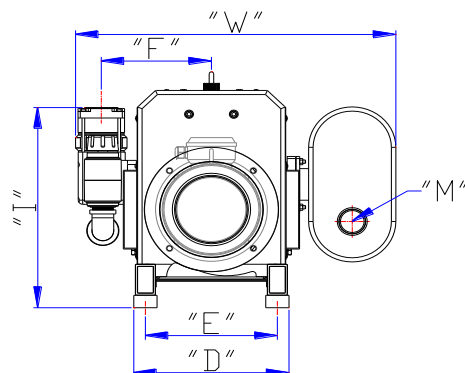
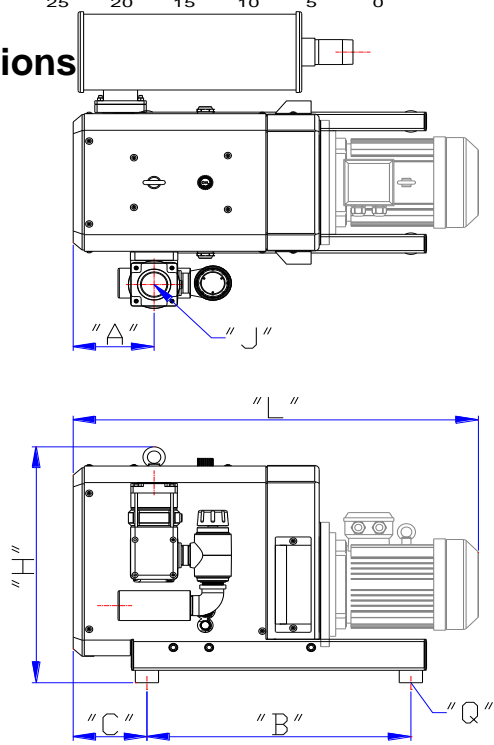
# VCX-B SERIES Claw Vacuum Pumps

## VCX- 60, 100, 150, 250, 300, 400 & 505

### Performance Curve



### Dimensions



DIMENSIONS	L	W	H	B	C	E	D	F	A	I	J	M	Q
VCX-60 (1.1, 1.5Kw)	736/758	321	461	247	194	144	174	120	162	235	1"	1"	4x M8
VCX-100 (2.2, 3Kw)	709/720	548	399	440	98	224	254	201	128	334	1-1/2"	1-1/2"	4x M8
VCX-150 (3, 4Kw)	733/771	548	399	440	122	224	254	201	144	334	1-1/2"	1-1/2"	4x M8
VCX-250 (4, 5.5Kw)	906/903	716	569	590	167	292	342	249	180	471	2"	2"	4x M10
VCX-300 (5.5, 6.5Kw)	918	716	569	590	182	292	342	249	187	471	2"	2"	4x M10
VCX-400 (7.5, 9Kw)	997/1039	758	589	800	133	292	372	284	205	468	3"	3"	4x M12
VCX-505 (9, 11Kw)	1058/1227	758	589	800	152	292	372	284	215	468	3"	3"	4x M12

# VCX SERIES Claw Vacuum Pumps

## VCX- 155 / 205



**Dry Running - Oil Free – Contact Free Design**

- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

### Applications:

Packaging, CNC Routing, Wood Works, Pneumatic Conveying, Holding & Lifting, Pick and Place, Medical & Lab., Plastics Industries, Central Vacuum Systems.

**Safety:** CE certified (DOC)



### General Description:

The VCX Series pumps are dry contact-less vacuum pumps with modular constructions consisting of compartments: pumping and gear chambers are separated by using labyrinth seals. As two claws rotate in opposite direction, the air will be sucked in the pumping chamber, compressed and discharged under pressure. In gear chamber, two gears for synchronizing of claws rotation will be placed with appropriate oil lubrication. A built in anti-suck back valve installed in inlet flange will prevent the air from flowing back into the vacuum chamber when the pump is shutdown. The pumps are directly driven by a flanged motor via a coupling.

### Specifications:

Model		VCX 155	VCX 205
M3/ Hour	60Hz	180	237
	50Hz	150	198
Ulti. Va. Max.	Torr	722.5(50mbar a)	
Ulti. Va. Conti.	Torr	647.5	610
Kw	60Hz	3.4	4.3
	50Hz	2.8	3.6
RPM	60/50Hz	3450/2850	
Voltage Available		220~240/380~420V x 50/60Hz, 208~230/460V x 60Hz	
dB(A), Max +- 3 tolerance	60Hz	77	79
	50Hz	73	74
Oil Capa (Gear box)	Ltr	0.5	
Inlet / Outlet Conn.	**BSP(G)	1-1/2"	2"
L * x W x H (mm)	60Hz	862x422x562	915x422x567
	50Hz	837x422x562	879x422x567
Amb. Operating Temp.	(°C)	40°C	
Approx. *Weight (Kg).	60Hz	137	155
	50Hz	131	142
Accessories		Non Return Valve, Vacuum Regulator, Exhaust Silencer	

Note: 1) \* Length varies to motor mfg 2) \*\*NPT threads available upon request

**VCX  
SERIES  
Claw Vacuum Pumps**

# VCX - 1005



**Dry Running - Oil Free – Contact Free Design**

- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

### Applications:

Packaging, CNC Routing, Wood Works, Pneumatic Conveying, Holding & Lifting, Pick and Place, Medical & Lab., Plastics Industries, Industrial Central Vacuum Systems.

**CE certified**



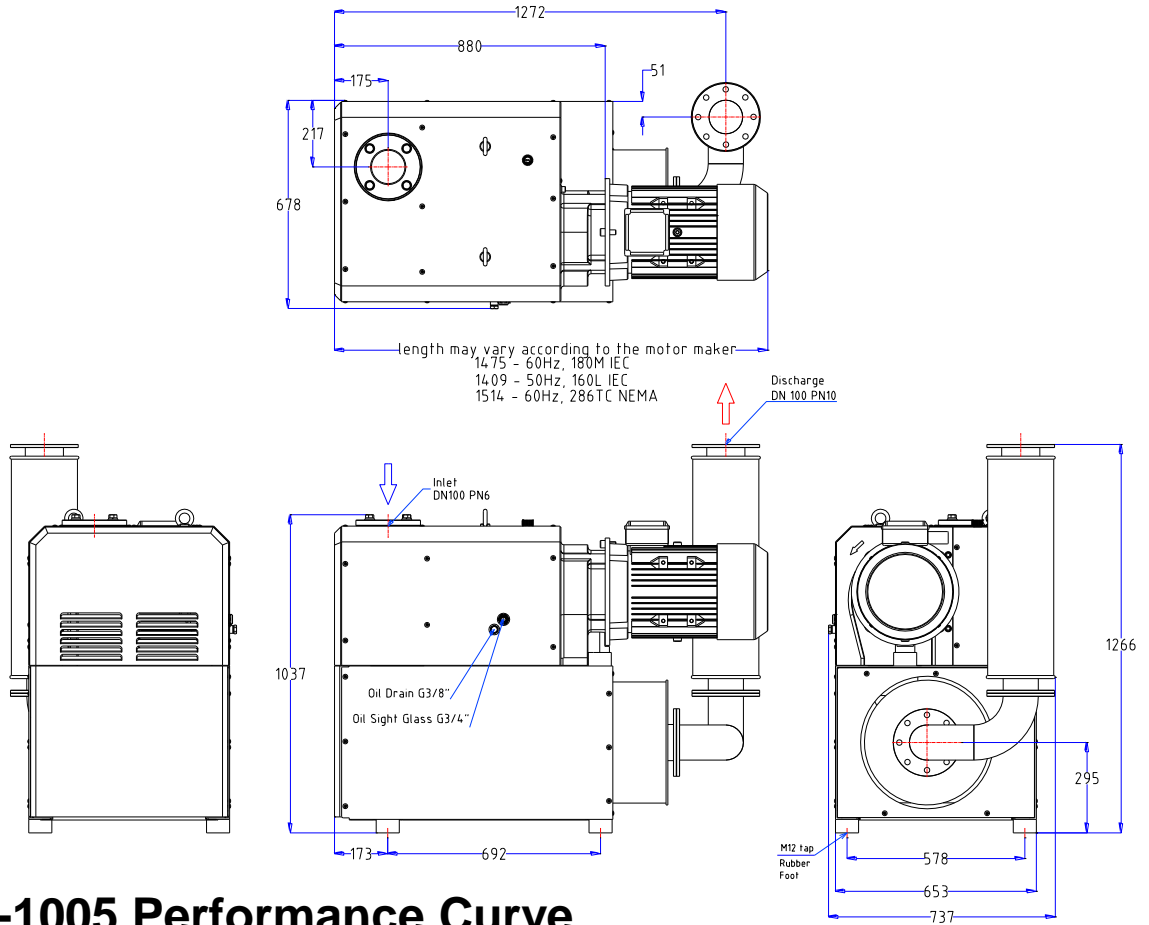
### General Description:

The VCX Series pumps are dry contact-less vacuum pumps with modular constructions consisting of compartments: pumping and gear chambers are separated by using labyrinth seals. As two claws rotate in opposite direction, the air will be sucked in the pumping chamber, compressed and discharged under pressure. In gear chamber, two gears for synchronizing of claws rotation will be placed with appropriate oil lubrication. The pumps are directly driven by a flanged motor via a coupling. Configured with two silencers suitable for compact installation space. The 4" aluminum check valve for anti suck back and inlet filter (flanged) can be supplied separately. Ideally suited to use with Frequency Controlled Drives for energy saving.

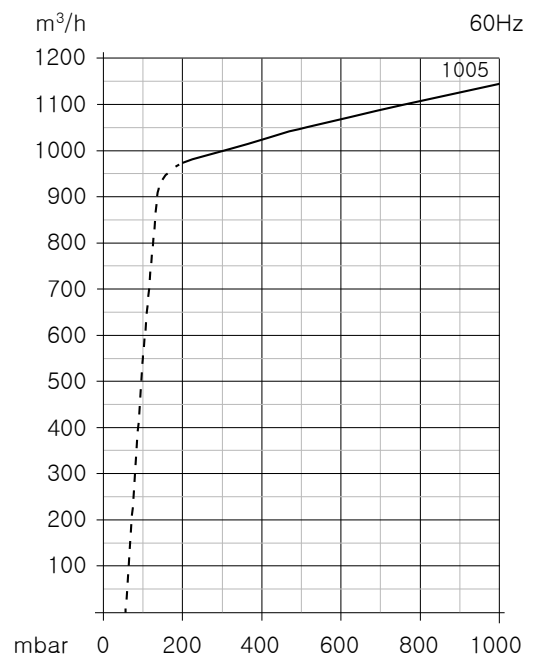
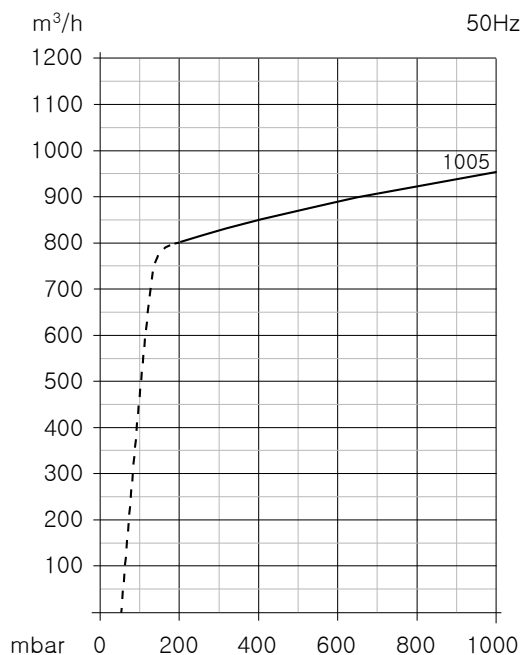
### Specifications:

Model		<b>VCX 1005</b>
<b>M3 / Hour (cfm)</b>	60Hz	1140 (670cfm)
	50Hz	950 (558cfm)
<b>Ultimate Va. Max.</b>	Torr (mbar a)	722.5 (50mbar a)
<b>Ultimate Va. Continuous</b>	Torr	610 (200mbar a)
<b>Kw(Hp)</b>	60Hz	22 (30Hp)
	50Hz	18.5 (25Hp)
<b>RPM</b>	60/50Hz	3450/2850
<b>Voltage Available</b>		220~240/380~420V x 50/60Hz, 400/690Vx 50Hz, 208~230/460V x 60Hz
<b>dB(A), Max +- 3 tolerance</b>	60Hz	85
	50Hz	82
<b>Oil Capacity (Gear box)</b>	Ltr	2.8
<b>Inlet / Outlet Connection</b>	Flange	DN 100 PN6 / DN100 PN10
<b>Amb. Operating Temp.</b>	(°C)	5~40
<b>Accessories</b>	Non Return Valve, Vacuum Regulator, Exhaust Silencer	

## VCX-1005 Dimensions



## VCX-1005 Performance Curve



# PCX-IF S E R I E S Claw Compressors

## PCX- 60, 100, 150, 250, 300, 400 & 505

**Dry Running - Oil Free – Contact Free Design**



- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

### Applications:

Transport, Pneumatic Conveying, Environmental systems, Air Sparging Applications, Fishing Farm, Central Pressure System.

**Safety:** CE certified (DOC)



### General Description:

The PCX-IF Series compressors are identical in internal construction to VCX pump, but are outfitted with different inlet and outlet accessories to allow for operation as a compressor. For reduction of noise, inlet silencer is installed in inlet side. For a protection of overload, a pressure safety valve or regulating valve is installed in exhaust side. The compressors are directly driven by a flanged motor via a coupling.

### Specifications:

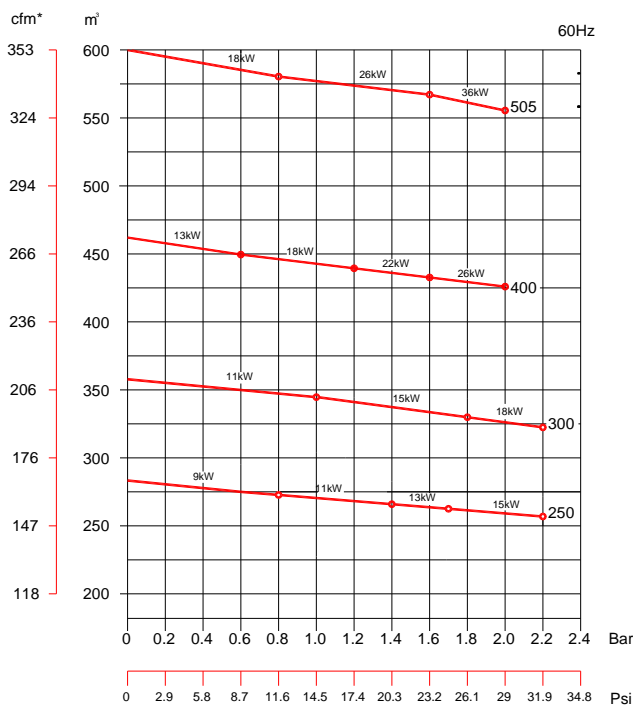
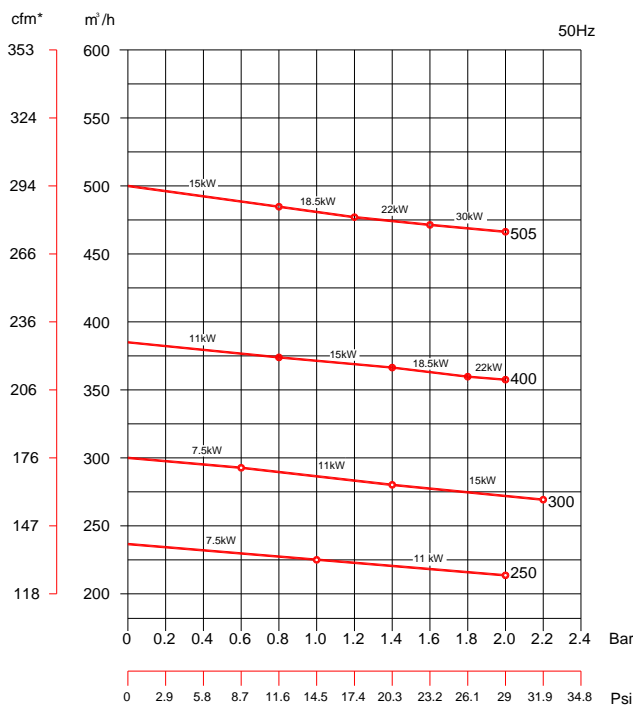
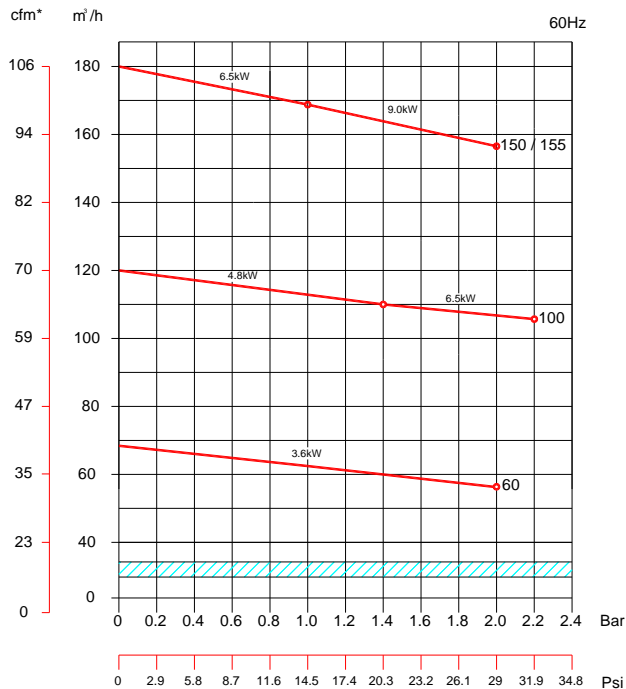
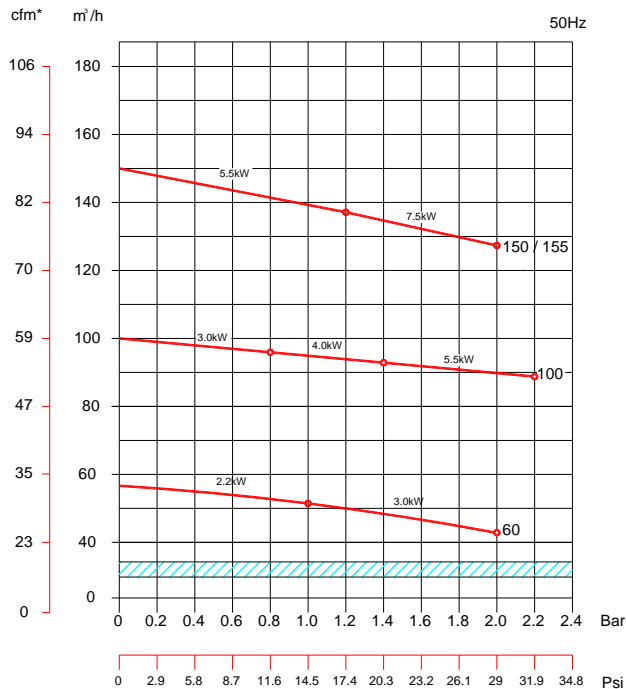
Model		PCX 60	PCX 100			PCX 150			PCX 250			PCX 300			PCX 400				PCX 505			
M3/ Hour	60Hz	68	120			180			282			360			462				600			
	50Hz	56	100			150			234			300			385				500			
Press. Conti., Bar	60Hz	2	~	1.4	2.2	1	2	0.8	1.8	2.2	~	1.2	2.2	0.6	1.2	1.6	2	0.8	-	1.6	2	
	50Hz	2	0.8	1.4	2.2	1.2	2	1	2	~	0.6	1.4	2.2	0.8	1.4	1.8	2	0.8	1.2	1.6	2	
Kw	60Hz	3.6	~	4.8	6.5	6.5	9	9	13	18	~	13	18	13	18	22	26	18	-	26	36	
	50Hz	3	3	4	5.5	5.5	7.5	7.5	11	~	7.5	11	15	11	15	18.5	22	15	18.5	22	30	
RPM - 60/50Hz	RPM	3450 / 2850																				
Voltage, Available	V	208-230/460V, 220-240 / 380-420V, 400/690V																				
dB(A), Max +- 3 tolerance	60Hz	79	83			85			85			85			85				85			
	50Hz	78	81			83			83			83			84				84			
Oil Capa (Gear box)	Ltr	0.6	0.75												1.1							
Inlet / Outlet Conn.	**BSP(G)	1"	1-1/2"						2"						3"							
W x H (mm)		297X461	488 x 618/673^ (5.5kw+)			488 x 673			563 x 799/819/^(11kw+)						682 x 922/997^ (22Kw+)							
L* (mm)	60Hz	806	-	778	778	805	845	943	1112	1112	-	1127	1127	1206	1206	1232	1232	1227	-	1253	1348	
	50Hz	781	717	742	778	805	845	914	1112	-	929	1127	1127	1206	1206	1206	1232	1227	1227	1253	1348	
Amb. Operating Temp	(°C)	5°C -40°C																				
Approx. *Weight (Kg).	60Hz	75	~	135	150	165	175	240	267	285	~	276	294	403	423	450	470	438	-	485	555	
	50Hz	69	108	120	140	155	165	220	247	~	230	256	290	383	403	423	450	418	438	465	525	
Accessories		Pressure Regulator, Safety Valve, Inlet Silencer, and Inlet Filter																				

Note: 1) \* Length varies to motor mfg 2) \*\*NPT threads available upon request

# PCX-IF SERIES Claw Vacuum Pumps

## PCX- 60, 100, 150, 155, 250, 300, 400 & 505

### Performance Curve

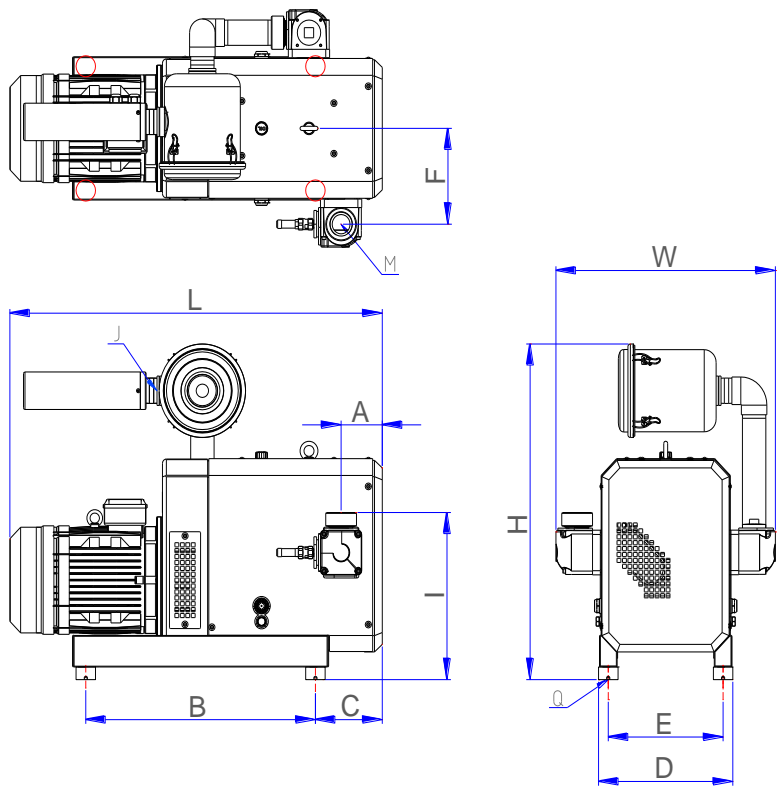




**PCX-IF  
S E R I E S  
Claw Vacuum Pumps**

**PCX- 60, 100, 150, 250, 300, 400 & 505**

**Dimensions**



DIMENSIONS	L	W	H	B	C	E	D	F	A	I	J	M	Q
PCX-60, (3, 3.6Kw)	781/806	297	461	278	96	144	174	23	83	164	1-1/4"	1"	4XM8
PCX-100, (3, 4, ^4.8~6.5Kw)	717/742/^778	488	618/^673	440/^640	97	220	270	190	69	283/^333	1-1/2"	1-1/2"	4XM10
PCX-150, (5.5,~7.5, 9Kw)	805 / 845	488	673	460	121	220	270	190	69	333	1-1/2"	1-1/2"	4XM10
PCX-250, (7.5, 9, ^11~18Kw)	914/943/^1112	563	799/^819	590	157	295	345/^375	242	105	394/^414	2"	2"	4XM10/^M12
PCX-300, (7.5, ^11~18Kw)	929/^1127	563	799/^819	590	172	295	345/^375	242	105	394/^414	2"	2"	4XM10/^M12
PCX-400, (11~18.5, ^22~26Kw)	1206/^1232	682	922	800	133	295	375	282	205	468	3"	3"	4XM12
PCX-505, (15~18.5/22~26, ^30~36Kw)	1227/1253/^1348	682	922/^997	800/^1000	152/^148	295	375	282	215	468/^543	3"	3"	4XM12

# PCX S E R I E S Claw Compressors

## PCX- 155 / 205

**Dry Running - Oil Free – Contact Free Design**



- **Simple Modular Construction**
- **Air cooled & Direct Driven**
- **Low maintenance – No wear**
- **High Efficiency – Continuous Duty**

### Applications:

Transport, Pneumatic Conveying, Environmental systems, Air Sparging Applications, Fishing Farm, Central Pressure System.

**Safety:** CE certified (DOC)



### General Description:

The PCX Series compressors are identical in internal construction to VCX pump, but are outfitted with different inlet and outlet accessories to allow for operation as a compressor. For reduction of noise, inlet silencer is installed in inlet side. For a protection of overload, a pressure safety valve or regulating valve is installed in exhaust side. The compressors are directly driven by a flanged motor via a coupling.

### Specifications:

Model		PCX 155		PCX 205	
M3/ Hour	60Hz	180		237	
	50Hz	150		198	
Press. Conti., Bar	60Hz	1	2	1	2
	50Hz	1	2	1	2
Kw	60Hz	6.5	9	9	13
	50Hz	5.5	7.5	7.5	11
RPM - 60/50Hz	RPM	3450/2850			
Voltage, Available	V	220~240/380~420V x 50/60Hz, 208~230/460V x 60Hz			
dB(A), Max + 3 tolerance	60Hz	82		84	
	50Hz	80		82	
Oil Capa (Gear box)	Ltr	0.5			
Inlet / Outlet Conn.	**BSP(G)	1-1/2"		2"	
W (mm)		422		422	
H x L* (mm)	60Hz	422 x 944	422 x 984	422 x 1001	461 x 1147
	50Hz	422 x 944	422 x 944	422 x 961	461 x 1147
Amb. Operating Temp	(°C)	40°C			
Approx. *Weight (Kg).	60Hz	142	150	155	188
	50Hz	139	142	147	185
Accessories	Pressure Regulator, Safety Valve, Inlet Silencer, and Inlet Filter				

Note: 1) \* Length varies to motor mfg 2) \*\*NPT threads available upon request

## **B SERIES** **Vacuum Booster** **for the Food Industry**

### **B- 500, 1200 & 2600**



**-Shown  
WB1000**

Wonchang B Series vacuum boosters are positive Displacement, roots-type blowers intended for use in Conjunction with a mechanical backing pump. The B booster pumps have a simple weighted By pass design that allows start-up from atmosphere.

The design has the following advantages:

- Pump-down times cut by up to 50%
- Reduced capital and operating costs
- NO pressure sensors, special drives or leaking seals.
- Can operate continuously at all pressures when used with a backing pump.

The bypass design allows the booster to be started at the same time as the backing pump (at atmospheric pressure) as it prevents motor overload. The B booster pump therefore assists the pumping process from the start of pump-down.

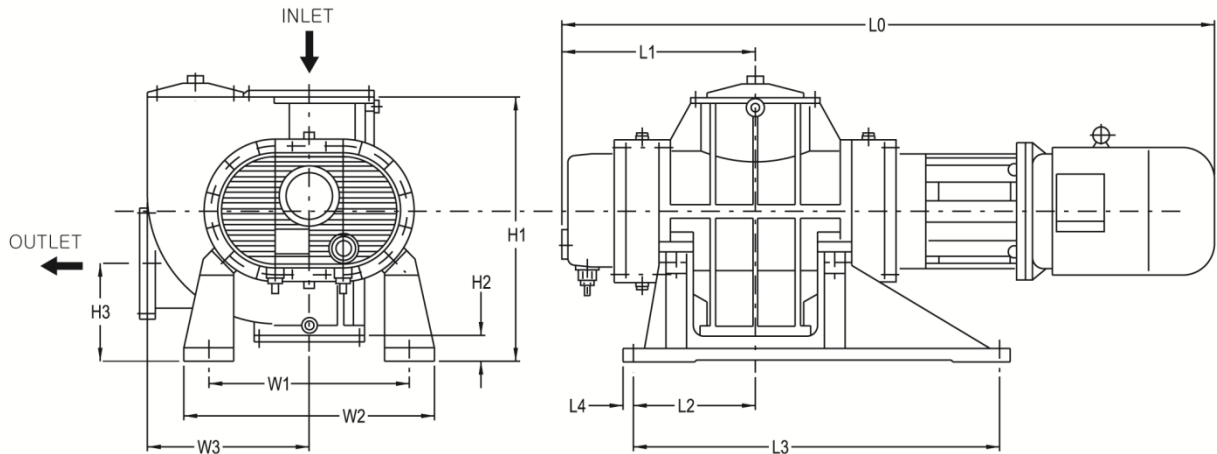
#### **Features:**

- Magnetic Drive Coupling provides positive seal from shaft leakage
- Vertical flow self draining in all models
- Weighted bypass ensures simple, trouble-free cut-in
- Available for applications where oxygen or other reactive gases are present
- Quiet, vibration free operation
- Simple installation, can be mounted directly on backing pump.
- Integral oil cooler on largest models for tough applications

**B Series  
S E R I E S  
Vacuum Booster  
for the Food Industry**

## B- 500, 1200 & 2600

### Dimensions



Model	L0	L1	L2	L3	L4	H1	H2	H3	W1	W2	W3	INLET (G)	OUTLET (G)
B 500	930	264	195	579	20	475	90	195	320	409	245	3"	3"
B 1200	1100	274	274	739	20	526	90	219	320	409	285	4"	4"
B 2600	1349	376	277	759	27	673	70	235	480	597	375	6"	6"

B Series Specifications			
Model	B 500	B 1200	B 2600
Displacement (m <sup>3</sup> /h) 50/60Hz	540/648	1080/1290	2160/2590
Motor (Kw)	2.2/2.6	4.0/4.4	7.5/9.0
Speed @50/60Hz	2975/3550		
Backing Pump (WOVP Model)	500/600	500/600/800/1000/1200	800/1000/1200/1500
Maximum Ambient Temperature (°C)	5-40°		
Oil Capacity (L)	2.8	2.8	7.5
Cooling Water	N/A	N/A	4.5lpm

## Vacuum systems

Rotary vane vacuum systems are available in a multitude of configurations: Simplex tank mount, Duplex tank mount, as well as Triplex, and Quadruplex stack mount systems.

The system shall include interconnecting piping and wiring to provide a functional operating package with applicable electrical and plumbing connections at the installation site. The packaged unit shall be factory assembled, tested, painted and crated prior to shipment.

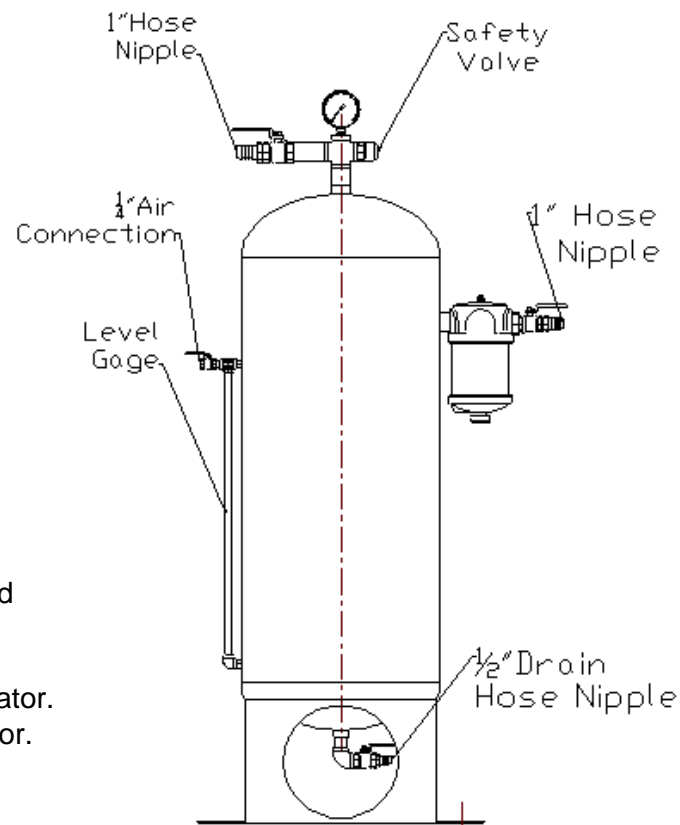
### ■ Normal Operation Vacuum:

- Oil Sealed Rotary Vane Pump System  
Set at 550 ~ 700mmHg
- Dry Rotary Vane Pump System:  
Set at 400 ~ 500mmHg



### ■ Standard Equipment:

- WOVP or WVS series Rotary Vane Pump(s)
- Tank receiver
- Electrical control panel
- Integral Piping and Wirings
- Vacuum gage and Vacuum control switch
- Inlet air filter, Manual drain valve,
- Check valve & Pump isolation valve
- Three way solenoid valve (Optional)

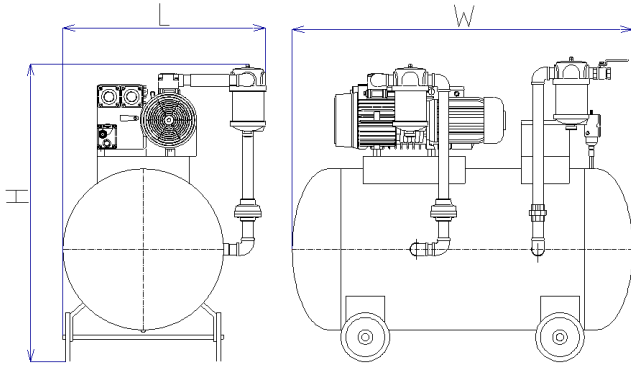


## CENTRIFUGAL VACUUM SEPARATOR

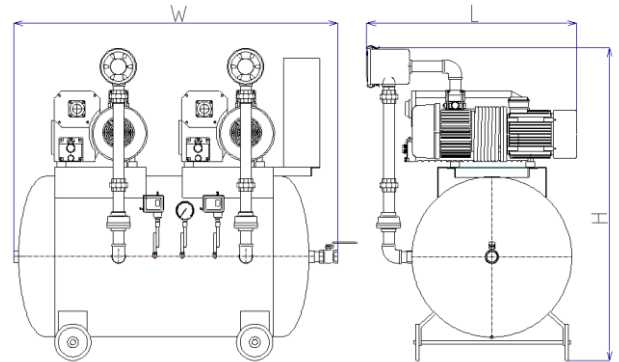
Centrifugal vacuum separator is designed to extract the liquids (mist and drops) from the gases and mixtures of gases. This separator will be installed upstream of vacuum pump to prevent the liquids from flowing into the pump from system. It should be stopped and aerated to drain the liquids out of separator. Liquids level can be easily checked with level indicator.

## Vacuum systems

### Simplex Tank Mounted System



### Duplex Tank Mounted System



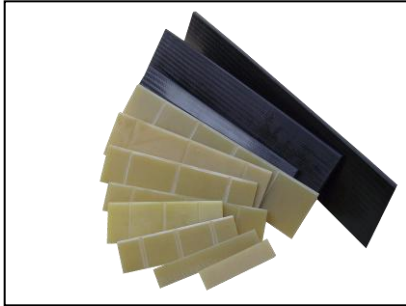
### Oil sealed Rotary Vane Pump System

MODEL	Pump Model	NO.of Pump	Tank Size	Volume	Kw (Motor)	W	L	H
Simplex Tank Mounted								
OST-020	W0VP-020	1	ø300x800	50 ℓ	0.4x1	800	450	650
OST-040	W0VP-040	1	ø300x800	50 ℓ	0.9x1	800	450	650
OST-060	W0VP-060	1	ø470x1000	170 ℓ	1.5x1	1200	600	900
OST-090	W0VP-090	1	ø470x1000	170 ℓ	1.5x1	1200	600	900
OST-130	W0VP-130	1	ø660x1450	400 ℓ	2.2x1	1500	800	1300
OST-200	W0VP-200	1	ø660x1450	400 ℓ	3.0x1	1500	800	1300
OST-320	W0VP-320	1	ø660x1450	400 ℓ	3.7x1	1500	900	1400
OST-350	W0VP-350	1	ø660x1450	400 ℓ	5.5x1	1500	900	1400
OST-430	W0VP-430	1	ø800x1450	900 ℓ	5.5x1	1500	900	1600
OST-500	W0VP-500	1	ø800x1450	900 ℓ	7.5x1	1500	900	1600
Duplex Tank Mounted								
ODT-020	W0VP-020	2	ø300x800	50 ℓ	0.4x2	1300	450	900
ODT-040	W0VP-040	2	ø300x800	50 ℓ	0.9x2	1300	450	900
ODT-060	W0VP-060	2	ø470x1000	170 ℓ	1.5x2	1450	600	900
ODT-090	W0VP-090	2	ø470x1000	170 ℓ	1.5x2	1450	600	900
ODT-130	W0VP-130	2	ø660x1450	400 ℓ	2.2x2	1800	700	1300
ODT-200	W0VP-200	2	ø660x1450	400 ℓ	3.0x2	1800	750	1300
ODT-320	W0VP-320	2	ø660x1450	400 ℓ	3.7x2	1950	900	1600
ODT-350	W0VP-350	2	ø660x1450	400 ℓ	5.5x2	1950	1000	1600
ODT-430	W0VP-430	2	ø800x1450	900 ℓ	5.5x2	1950	950	1700
ODT-500	W0VP-500	2	ø800x1450	900 ℓ	7.5x2	1950	1050	1700

### Dry Rotary Vane Pump System

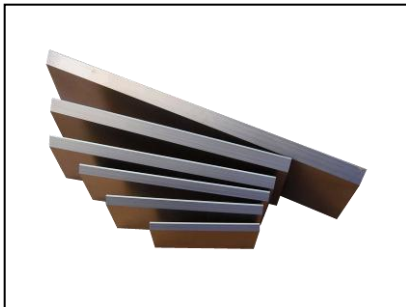
MODEL	Pump Model	NO.of Pump	Tank Size	Volume	Kw (Motor)	W	L	H
Simplex Tank Mounted								
DST-020	WVS-3	1	ø300x800	50 ℓ	0.4x1	800	450	650
DST-040	WVS-5	1	ø360x800	50 ℓ	0.75x1	800	450	650
DST-060	WVS-6	1	ø470x1000	170 ℓ	1.5x1	1200	600	900
DST-090	WVS-8	1	ø470x1000	170 ℓ	1.5(6P)x1	1200	600	900
DST-130	WVS-9	1	ø660x1450	400 ℓ	2.2(6P)x1	1500	800	1300
DST-200	WVS-10	1	ø660x1450	400 ℓ	4x1	1500	800	1300

## Parts and Accessories



VANES

WOVP Series VANE			
P/N	Size(L x W x t)	Model	Remarks
03022A	100 x 17.8 x 3.80	WOVP- 030	G-11
02022A	70 x 17.8 x 3.80	WOVP- 020 / 040	G-11
06022A	110 x 30 x 3.85	WOVP- 060	G-11
08022A	140 x 30 x 3.85	WOVP- 080	G-11
09022A	160 x 30 x 3.85	WOVP- 090	G-11
13022A	110 x 40 x 3.85	WOVP- 130	G-11
20022A	160 x 40 x 3.85	WOVP- 200	G-11
32022A	180 x 50 x 3.80	WOVP- 320	G-11
35022A	160 x 52 x 5.85	WOVP- 350	G-11
35022D	160 x 52 x 5.85	WOVP- 350	Carbon Composite
43022A	240 x 50 x 3.80	WOVP- 430	G-11
50022D	220 x 52 x 5.85	WOVP- 500	Carbon Composite
50022D	220 x 52 x 5.85	WOVP- 600	Carbon Composite
080022C	265 x 72 x 5.85	WOVP- 800	Carbon Composite
100022C	330.6 x 72 x 5.85	WOVP- 1000	Carbon Composite
120022C	400 x 72 x 5.85	WOVP- 1200	Carbon Composite



VANES

WVS / WBS Series VANE			
P/N	SIZE ( L x W x t )	MODEL	Remarks
00322	66 x 36 x 4	WVS- 3, WBS- 30A	Carbon
00522	95 x 42 x 5	WVS- 5, WBS- 50A	Carbon
00622	120 x 43 x 5	WVS- 6, WBS- 60A	Carbon
00822	147 x 48 x 6	WVS- 8, WBS- 80A,B	Carbon
00922	162 x 54 x 7	WVS- 9, WBS- 90B	Carbon
01022	230 x 58 x 8	WVS- 10, WBS- 100B	Carbon



OIL FILTERS

OIL FILTER			
WC P/N	SIZE	MODEL	Remarks
06100		WOVP- 060, 090, 130, 200	
50100		WOVP- 320, 350, 430, 500, 600	
120100		WOVP- 800, 1200	



## Parts and Accessories



**KITS**

### WOVP Series KIT

P/N for Gasket Kit	P/N for Maint. Kit	PN for Rebuild Kit	PN for Filter Kit	MODEL
02490	03500			WOVP- 030
02490	02500			WOVP- 020 / 040
06490	06500			WOVP- 060
06490	09500			WOVP- 090
20490	13500			WOVP- 130
20490	20500			WOVP- 200
32490	32500			WOVP- 320
32490C	32500C			WOVP- 320C, D
35490	35500			WOVP- 350
43490	43500			WOVP- 430
43490C	43500C			WOVP- 430C, D
50490	50500	50492	50491	WOVP- 500
50490	50500	50492	50491	WOVP- 600
120490	80500	80492	120491	WOVP- 800
120490	100500	100492	120491	WOVP-1000
120490	120500	120492	120491	WOVP- 1200
120490	120500	100492	120491	WOVP- 1500



**GAGES & SWITCHES**

### GAGES & Switches

P/N	Description	Range	Remarks
120090.10	Φ40, D, PT1/8, Dry	0-1bar	Press. Gage for Exhaust Filter
120090.20	Φ60, D, PT1/4, Dry	0-1bar	Pressure Gage
120090.21	Φ60, D, PT1/4, Dry	-76cmHg ~0	Vacuum Gage
120090.51	Φ100, A, PT3/8, Dry	-76cmHg ~0	Vacuum Gage
120090.61	Φ100, A, PT3/8, Oil filled	-76cmHg ~0	Vacuum Gage
120090.91	ISG190-030 A, PT3/8	-10 ~ -100Kpa	Vacuum Switch
120090.92	PSA V01,V. Indicator, Rc1/8		Vacuum Indicator
120090.93	PA10-W , Sensor controller		Sensor controller
120090.94	PSA 01, P. Indicator, Rc1/8		Pressure Indicator



**REGULATORS**

### REGULATOR, Pressure / Vacuum

P/N	Size	Lines to fit	Remarks
20750	G 3/4"	3/4"	Pressure regulator,
25750	G 1"	1"	Pressure regulator,
32750	G 1-1/4"	1-1/4"	Pressure regulator,
20760	G 3/4"	3/4"	Vacuum regulator
25760	G 1"	1"	Vacuum regulator
32760	G 1-1/4"	1-1/4"	Vacuum regulator



## Parts and Accessories



**CHECK VALVES**

Check Valves			
P/N	Size (Inlet x outlet)	Lines to fit	Remarks
10700	G 3/8"	3/8"	AL.
15700	G 1/2"	1/2"	
20700	G 3/4"	3/4"	
25700	G 1"	1"	
32700	G 1-1/4"	1-1/4"	
40700	G 1-1/2"	1-1/2"	
50700	G 2"	2"	
80700	G 3"	3"	



**COUPLINGS**

Coupling Sets			
P/N	Size or Type	Model	Remarks
120310	φ 200	WOVP- 800, 1200	Flange type
50310	φ 140	WOVP- 500, 600	
35310	φ 140	WOVP- 350	
32310	φ 140	WOVP- 320, 430	
20310A	M28	WOVP- 130, 200	Teeth type
06310C	M28	WOVP- 060, 090	Teeth type, 3 ph motor
06310B	J5	WOVP- 060, 090	SureFlex type, 1ph motor
02310A	J3	WOVP- 020, 030, 040	SureFlex

Aboves are for IEC motors. Coupling sets for NEMA motors are available upon request.



**TIMING BELTS**

TIMING BELTS			
P/N	Size	Model	Remarks
PB - 30	500(L)	WBS- 30A	Polymax
TB - 60	25 (W) x 475 (L)	WBS- 50A WBS- 60A	Timing Belt
TB - 80	25 (W) x 575 (L)	WBS- 80A	



**PULLEYS**

PULLEYS			
P/N	Size	Range	Remarks
TP - 19	φ 19 BORE, φ 84 P.D	50A Pump Side	
TP - 24	φ 24 BORE, φ 84 P.D	50A Motor Side 60A Pump Side	
TP - 28	φ 28 BORE, φ 84 P.D	60A Motor Side 80A Pump side	
TP - 20	φ 28 BORE, φ 120 P.D	80A Pump Side	

## Parts and Accessories



**FILTER CATRIDGES**

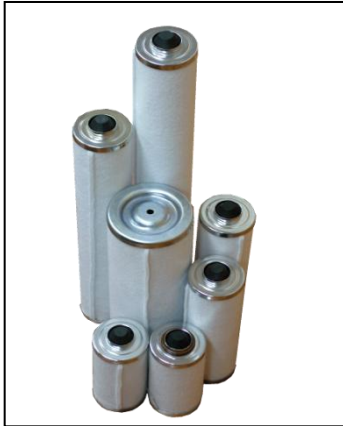
Air Filter Cartridge (Element)			
PN	Size (mm)	Pump / Filter	Remarks
80005	φ45 x φ22 x 88	WVS- 3, 5	Paper filter
80006	φ45 x φ22 x 128	WVS- 6	Paper filter
80008	φ60 x φ30 x 115	WVS- 8, 9, 10	Paper filter
80090	φ64 x φ40 x 69	IF 090	Paper filter
80100	φ60 x φ30 x 115	IF100	Paper filter
80101	φ60 x φ30 x 115	IF100	Polyester
80102	φ60 x φ30 x 115	IF100	Stainless Steel
80130	φ100 x φ60 x 70	IF 130	Paper filter
80150	φ90 x φ 50 x 123	IF 150	Paper filter
80151	φ90 x φ 50 x 123	IF 150	Polyester
80152	φ90 x φ 50 x 123	IF 150	Stainless Steel
80170	φ125 x φ 66 x 125	IF 170	Paper filter
80171	φ125 x φ 66 x 125	IF 170	Polyester
80172	φ125 x φ 66 x 125	IF 170	Stainless Steel
80230	φ150 x φ 88 x 215	IF 230, IF 200	Paper filter
80231	φ150 x φ 88 x 215	IF 230, IF 200	Polyester
80232	φ150 x φ 88 x 215	IF 230, IF 200	Stainless Steel
80270	φ212 x φ145 x164	IF 270	Paper filter
80350	φ260 x φ183 x 193	IF 350	Paper filter
80351	φ260 x φ183 x 193	IF 350	Polyester
80352	φ260 x φ183 x 193	IF 350	Stainless Steel



**INLET AIR FILTERS**

Inlet Air Filter			
P/N	Model / Size	lines to fit	Remarks
02800	IF 090 -15 / G 1/2" F	1/2"	Steel, Canister, Paper
02801	IF 090 -20 / G 3/4" F	3/4"	Steel, Canister, Paper
20801	IF 100 -20 / G 3/4" F	3/4"	Al, Clear View, Paper
20801PE	IF 100 -20 / G 3/4" F	3/4"	Al, Clear, Polyester
20801S	IF 100 -20 / G 3/4" F	3/4"	Al, Clear View, S-Steel
25801	IF 100 -25 / G 1" F	1"	Al, Clear View, Paper
25801PE	IF 100 -25 / G 1" F	1"	Al, Clear, Polyester
25801S	IF 100 -25 / G 1" F	1"	Al, Clear View, S-Steel
06800	IF 130 -32 / G 1-1/4" F	1-1/4"	Steel, Canister, Paper
32801	IF 150 -32 / G 1-1/4" F	1-1/4"	Al, Clear View, Paper
32801PE	IF 150 -32 / G 1-1/4" F	1-1/4"	Al, Clear, Polyester
32801S	IF 150 -32 / G 1-1/4" F	1-1/4"	Al, Clear View, S-Steel
20800	IF 170 -32 / G 1-1/4" F	1-1/4"	Steel, Canister, Paper
50800	IF 230 -50 / G 2" F	2"	Steel, Canister, Paper
50801	IF 200 -50 / G 2" F	2"	Al, Clear View, Paper
50801PE	IF 200 -50 / G 2" F	2"	Al, Clear, Polyester
50801S	IF 200 -50 / G 2" F	2"	Al, Clear View, S-Steel
80800A	IF 250 -80 / G3" F	3"	Steel, Canister, Paper
120800A	IF 270 -80 / G3" F	3"	Steel, Canister, Paper
120800	IF 350 -80 / G3" F	3"	Al, Canister, Paper
120800PE	IF 350 -80 / G3" F	3"	Al, Canister, Polyester
120800S	IF 350 -80 / G3" F	3"	Al, Canister, S-Steel

## Parts and Accessories



**EXHAUST FILTERS**

Exhaust Filter (Oil Separator)			
P/N	Size (ID x OD x L)	Model	Remarks
02120A	φ35 x φ70 x 130	WOVP- 020, 030, 040	
06120B	φ35 x φ70 x 205	WOVP- 060	
06120A	φ35 x φ70 x 250	WOVP- 090, 130, 200	
43120A	φ75 x φ107 x 295	WOVP- 320, 430	
50120A	φ35 x φ70 x 375	WOVP- 350, 500, 600	
120120A	φ35 x φ70 x 500	WOVP- 800, 1200	



**LEVEL SWITCH**

Level Switch			
P/N	Size	Model	Remarks
120765	3/4" PS, Float, SUS, N.O, housing & connector	WOVP- 60, 80/90, 130, 200, 320, 350, 430, 500, 600, 800, 1200	Float, Sus, N.O With housing & connector



**TEMPERATURE SWITCH**

Temperature Switch			
P/N	Size	Model	Remarks
120760	1/2" PT	WOVP- 320, 350, 430, 500, 600, 800, 1200	Bimetal, Brass, With Connector

## Parts and Accessories



**WATER COOLER KIT**



**HEATER KIT**

Water Cooler Kit & Heater kit		
P/N	Description	Remarks
120771	Water Cooler Kit, Bar plate type cooler, hoses, adapter, fittings and Valve	WOVP- 800 & 1200
50771	Water Cooler Kit, Bar plate type cooler, hoses, adapter, fittings and Valve	WOVP- 320, 430, 500 & 600
120770A	Heater with control, 2Kw	WOVP- 800 & 1200
50770A	Heater with control, 1.5Kw	WOVP- 320, 430, 500 & 600
20770	Heater with control, 1Kw	WOVP- 60, 80/90, 130 & 200



Wonchang Vacuum Pump

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