



Advanced Roots Vacuum Pumps for High Vacuum Extraction in Industrial Settings

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Export Standard Packaging
- Payment Terms: T/T, L/C



Product Specification

- Flow Range: 0.45-452.4m³/min
- Material: HT250
- Models: RR
- Pressure: 9.8kPa-58.8kPa
- Highlight: industrial roots vacuum pumps,
industrial roots type vacuum pump,
industrial settings roots vacuum pumps



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Product Description

Advanced Roots Vacuum Pump for High Vacuum Extraction in Industrial Settings

Product Features

Product Overview

The core features of the Aipu RR Roots vacuum pump include high vacuum degree, oil-free operation, compact structure, fast start-up, wide pressure range, and good dynamic balance performance. These characteristics make Roots vacuum pumps widely used in many fields.

Key Technical Features

High vacuum degree: Roots vacuum pump can quickly extract gas and generate large airflow, with a maximum vacuum degree of up to a high level, suitable for applications that require high vacuum degree.

Oil free operation: Roots vacuum pumps do not require lubricants to come into contact with the working gas, making them suitable for applications that require high gas purity, such as the food and pharmaceutical industries.

Compact structure: The Roots vacuum pump has a relatively compact structure, occupies a small area, and is suitable for situations with limited space.

Fast start-up: Roots vacuum pumps have the characteristics of low noise and small vibration, fast start-up, and low operation and maintenance costs.

Wide pressure range: Roots vacuum pumps have a high pumping speed over a wide pressure range, making them suitable for situations that require rapid pumping.

Good dynamic balancing performance: The rotor of the Roots vacuum pump has a symmetrical shape, good dynamic balancing performance, stable operation, and is suitable for continuous production lines.

Key Advantages

Extremely quiet operation supports use in noise sensitive industrial environments

Compact and space saving design simplifies installation in small equipment spaces

Efficient performance maximizes energy savings and reduces operating costs

Roots vacuum pump does not use any lubricating oil during operation, avoiding oil pollution problems. Its structural design ensures smooth operation and low maintenance costs, making it suitable for applications that require high gas purity

Scope of application

It is suitable for sewage treatment industry, petrochemical industry, food and drug industry, textile industry, metallurgy industry, cement and construction materials industry, printing and dyeing industry and other industries.

Market Distribution

We have 42 offices throughout the country, in addition to Taiwan Province, 33 provinces in the country's administrative regions have a sound sales and service network. We can provide you with pre-sale, in-sale and after-sales service in a timely and convenient manner, understand your needs, and constantly improve the service and quality system while meeting the customized needs of customers.

High Performance Aerodynamic Design Methodology for Wide Service Conditions

By studying the influence of impeller and volute flow on efficiency and working stability, the R&D team proposed a flow control method and a pneumatic optimization design method to improve the performance of the main engine, which greatly improved the efficiency of the main engine.

Manufacturing & Equipment Base

has built laboratories, R& D buildings, processing workshops, etc., with internationally advanced and China leading high-precision processing equipment.



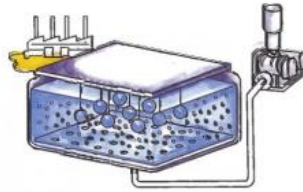
Examples of uses



■水泡浴 Foaming in Bath



■燃烧炉 Combustion a Fireplace



■电镀槽搅拌 Stirring in Plated Vessel



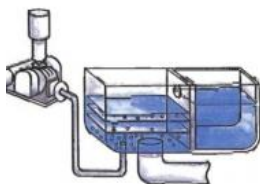
■公寓大楼的污水处理（曝气）
Waste water Aeration in Condominiums



■工厂废水和畜产废水处理（曝气）
Waste Water Aeration for Shop and Livestock Industries



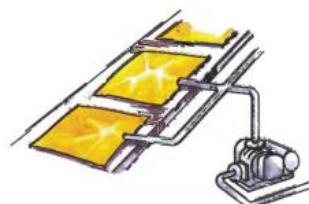
■养鱼用 Fish Care



■冲洗 Back Washing



■粉体输送（水泥、饲料、小片状物）
Transport of Particles



■食品真空包装
Vacuum Pack for Foods

RR-V系列罗茨真空泵性能表 Performance Data of Series RR-V Rotary Vacuum Pump

型号 Type		口径 Size	转速 rpm	理论流量 Theoretical Capacity m³/min	各真空度下的吸入风量Qs (m³/min) 和所需的轴功率La (kW) 及配套电机功率Pe (kW)												电机 功率 Pe (kW)						
					-0.02Pa			-0.1Pa			-0.2Pa			-0.3Pa				-0.4Pa			-0.5Pa		
					Qs La Pe			Qs La Pe			Qs La Pe			Qs La Pe				Qs La Pe			Qs La Pe		
					(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)		(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)	(=1000m³/min)
RR-V01	30A	1150	1.97	1	0.6	1.1	0.82	0.7	1.1	0.78	0.8	1.1	0.63	0.65	1.1	0.51	1.1	1.1	4				
		1450	1.98	1.9	0.7	1.1	1.23	0.85	1.1	1.17	1	1.3	1.04	1.2	1.3	0.99	1.4	2.2	4				
		1750	2.4	2.3	0.8	1.1	1.62	1	1.3	1.38	1.2	1.5	1.46	1.4	2.2	1.23	1.6	2.2	4				
		2000	2.74	2.7	0.9	1.2	1.94	1.15	1.3	1.50	1.4	1.6	1.6	1.6	2.2	1.37	1.65	2.2	4				
		2400	3.42	3.4	1.1	1.3	2.47	1.4	1.6	2.46	1.7	2.2	2.46	2	2	2.36	2.3	2	2				
RR-V02	80A	3000	4.11	3.3	1.2	3.36	1.65	2.2	3.3	3	3.17	3.31	3	3.05	3.7	4	2.94	3.35	4	2.93	3.3	4	
		3600	4.11	3.9	0.8	1.1	3.18	1	1.3	3.08	1.2	1.3	0.99	1.14	2.2	0.72	1.6	2.2	4				
		4200	2.89	2.99	1	1.4	1.79	1.25	1.3	1.68	1.5	2.2	1.48	1.75	2.2	1.32	2	3	1.18	2.2			
		4800	3.49	3.49	1.2	1.5	2.39	1.3	2.2	2.28	1.6	2.2	2.08	2.45	3	1.82	2.3	3	1.79	2.4			
		5400	3.99	3.19	1.3	1.6	2.89	1.45	2.2	2.78	2	2	2.58	2.95	3	2.42	2.7	3	2.29	3			
RR-V03	100A	2400	4.98	4.18	1.7	2	3.88	2.1	2	3.77	2.5	2	3.58	3.9	4	3.41	3.3	4	3.27	3.75	4		
		3000	5.98	5.18	2	2	4.88	2.5	2	4.77	3	4	4.58	5.5	4	4.41	4	5.5	4.57	4.5	4		
		3600	4.98	4.18	1.2	2.2	3.88	1.7	2	3.77	2.5	2	3.58	3.9	4	3.41	3.3	4	3.27	3.75	4		
		4200	5.98	5.36	1.6	2	4.88	2.1	2	4.77	3	4	4.58	5.5	4	4.41	4	5.5	4.57	4.5	4		
		4800	6.98	6.36	1.6	2	5.88	2.1	2	5.77	3	4	5.58	6.5	4	5.41	4	6.5	5.57	5.5	4		
RR-V04	160A	1150	4.98	4.18	1.2	2.2	3.88	1.7	2	3.77	2.5	2	3.58	3.9	4	3.41	3.3	4	3.27	3.75	4		
		1450	5.98	5.36	1.6	2	4.88	2.1	2	4.77	3	4	4.58	5.5	4	4.41	4	5.5	4.57	4.5	4		
		1750	6.98	6.33	2	2	5.88	2.3	4	5.77	3	4	5.58	6.3	4	5.43	4	6.3	5.57	5.5	4		
		2000	7.98	7.4	2.3	4	6.18	2.95	4	6	5.6	5.5	5.73	6.25	5.5	5.98	6.9	7.5	6.98	6.9	7.5		
		2400	8.98	8.4	2.3	4	7.18	2.95	4	7	5.6	5.5	6.73	7.25	5.5	7.18	6.98	6.9	7.5	6.98	6.9	7.5	
RR-V05	200A	1150	9.76	9.76	2.9	4	8.11	3.5	5.5	7.96	4	5	7.69	8.4	6	7.5	7.21	6.98	11	7.94	7.5	11	
		1450	11.63	11.63	3.4	4	9.47	4.35	6	9.3	4.3	6	9.04	9.9	6	8.89	9.9	11	9.89	9.9	11		
		1750	13.5	13.5	3.9	4	10.73	4.95	6	10.58	4.9	6	10.25	11.1	6	10.1	11.1	11	11.01	11.1	11		
		2000	15.4	15.4	4.4	4	12.03	5.55	6	11.88	5.5	6	11.55	12.5	6	11.4	12.5	11	12.41	12.5	11		
		2400	17.3	17.3	4.9	4	13.33	6.15	6	13.18	6.1	6	12.85	13.8	6	12.7	13.8	11	13.61	13.8	11		
RR-V06	250A	1150	6.33	4.98	1.8	2	4.47	2.35	4	4.3	2.9	4	4.18	3.4	5.5	3.43	4.4	7.3	3.23	4.9	7.3	4	
		1450	7.98	6.33	2.3	4	5.88	3	4	5.77	3	4	5.58	4.35	5.5	4.35	5.36	4.9	5.5	5.37	5.5	4	
		1750	9.63	8.17	2.7	4	7.28	3.5	5.5	7.41	4.5	5.5	7.28	5.1	7.5	6.01	6.9	7.5	6.76	7.5	11		
		2000	11	9.63	3	4	8.28	4	5.5	8.41	5.5	6	8.28	6.1	7.5	6.26	6.9	11	6.14	7.25	11		
		2400	12.7	10.7	3.4	4	9.28	4.5	5.5	9.41	6	7.5	9.28	6.6	11	6.14	7.25	11	7.92	8.5	11		
RR-V07	300A	1450	13.7	12.3	3.8	5.5	11.9	4.95	7.5	11.7	6.1	7.5	11.4	7.25	11	11.1	9.4	12	10.9	9.5	12		
		1750	16.7	14.7	4.5	6	14.97	5.95	9	14.6	7.6	9	14.3	9.4	12	13.7	11.5	12	13.6	11.5	12		
		2000	19.7	17.7	5	6	17.97	6.95	10	17.6	8.6	10	17.3	10.4	12	16.7	12.5	12	16.6	12.5	12		
		2400	22.7	20.7	5.5	6	20.97	7.95	11	20.6	9.6	11	20.3	11.4	12	19.7	13.5	12	19.6	13.5	12		
		2800	25.7	23.7	6	6	23.97	8.95	12	23.6	10.6	12	23.3	12.4	12	22.7	14.5	12	22.6	14.5	12		
RR-V08	400A	1150	15.7	14.7	4.5	6	15.9	5.15	7.5	15.7	6.7	7.5	15.4	7.25	11	14.8	10.9	15	14.7	10.9	15		
		1450	19.7	18.7	5	6	19.9	6.15	9	19.6	7.6	9	19.3	8.4	12	18.7	11.5	12	18.6	11.5	12		
		1750	23.7	22.7	5.5	6	23.9	7.15	10	23.6	8.6	10	23.3	9.4	12	22.7	12.5	12	22.6	12.5	12		
		2000	27.7	26.7	6	6	27.9	8.15	11	27.6	9.6	11	27.3	10.4	12	26.7	13.5	12	26.6	13.5	12		
		2400	31.7	30.7	6.5	6	31.9	9.15	12	31.6	10.6	12	31.3	11.4	12	30.7	14.5	12	30.6	14.5	12		

注：1. 带轮的转速采用联轴器传动，其余转速采用皮带传动

Notes: 1. Direct drive is adopted for model with "W" belt's drive is adopted for others.

各真空度下的吸入风量 Q_8 (m^3/min) 和所需的轴功率 $1a$ (kW) 及配套电机功率 (kW)

注: 带泵的转速采用联轴器直联传动, 其余转速采用皮带轮传动
Notes: Direct drive is adopted for model marked with "s", Belt drive is adopted for others.

各真空度下的吸入风量 Q_s (m^3/min) 和所需的轴功率 l_a (kW) 及配套电机功率 (kW)

注:带*的转速采用联轴器直联传动,其余转速采用皮带轮传动
Notes:Direct drive is adopted for model marked with"*,belt drive is adopted for others.

各真空度下的吸入风量 Q_0 (m^3/min) 和所需的轴功率 P_a (kW) 及配套电机功率 (kW)

注：表中数据为四舍五入后的近似值，且表中数据与正文数据存在差异，以正文数据为准。

Notes: Direct drive is adopted for model marked with "*", Belt drive is adopted for others.

RR-V系列罗茨真空泵性能表 Performance Data of Series RR-V Rotary Vacuum Pump																																	
		各真空度下的吸入风量Q _s (m ³ /min) 和所需的轴功率La (kW) 及配套电机功率 P _e (kW)																				电机功率 Motor Power											
型号 Type	口径 mm	转速 rpm	理论流量 Theoretical Capacity m ³ /min	Inlet Flow Q _s (m ³ /min), Shaft Power La(kW) And Motor Power Po (kW)																	电机 功率 Motor Power												
				-9.8kPa				-14.7kPa				-19.6kPa				-24.5kPa						-29.3kPa				-34.1kPa				-39.0kPa			
				Q _s La P _e				Q _s La P _e				Q _s La P _e				Q _s La P _e						Q _s La P _e				Q _s La P _e							
RR-V200	300	800	147.4	135	32	45	132	45.5	35	130	58	75	127	70	90	125	81	119	123	93	140	120	130	128	119	132	115	130	108	0			
		900	166.1	152	35	45	149	49	35	147	62	75	144	76.5	90	142	90	140	104	132	130	117	132	120	131	160	145	108	0				
		1000	189.2	169	39	45	163.9	54	35	161.8	69	90	158.9	84	110	155.8	100	149	113.8	143	165	120	132	120	131	165	145	108	0				
		1200	214.5	175.8	45	55	172.4	66.2	75	169.8	71.8	90	167.1	87.4	110	164.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	242.2	182.7	50	55	178.9	72.9	75	176.9	78.9	90	174.9	90	110	167	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V250	350	800	162.1	137	32	45	145	49	35	143	62	75	140	76	90	137	89	119	135	105	132	116	132	120	130	140	126	144	106	0			
		900	180.5	158	39	45	163.9	54	35	161.8	69	90	158.9	84	110	155.8	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1000	203.7	168	39	45	183.9	54	35	181.8	69	90	180.9	84	110	180.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	231.4	175.8	45	55	202.4	66.2	75	199.8	71.8	90	197.1	87.4	110	194.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	259.1	182.7	50	55	208.9	72.9	75	206.9	78.9	90	204.9	90	110	187	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V300	400	800	193.2	188.5	32	45	186.7	44	35	184.7	57	75	181.8	69	90	178.8	81	119	133.7	94	140	132	135	128	130	145	145	108	0				
		900	217.9	196	35	45	191.9	49	35	189.8	62	75	186.9	76	90	183.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	242.6	196.9	39	45	201.9	54	35	199.8	69	90	196.9	84	110	196.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	270.3	175.8	45	55	202.4	66.2	75	199.8	71.8	90	197.1	87.4	110	194.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	298.0	182.7	50	55	208.9	72.9	75	206.9	78.9	90	204.9	90	110	187	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V350	450	800	219.0	214.3	32	45	212.7	44	35	210.7	57	75	207.8	69	90	204.8	81	119	135.7	94	140	132	135	128	130	145	145	108	0				
		900	243.7	196	35	45	217.9	49	35	215.8	62	75	212.9	76	90	210.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	268.4	196.9	39	45	232.9	54	35	230.8	69	90	227.9	84	110	227.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	296.1	175.8	45	55	233.4	66.2	75	230.8	71.8	90	227.1	87.4	110	224.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	323.8	182.7	50	55	238.9	72.9	75	236.9	78.9	90	234.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V400	500	800	244.1	239.4	32	45	242.7	44	35	240.7	57	75	237.8	69	90	234.8	81	119	137.7	94	140	132	135	128	130	145	145	108	0				
		900	268.8	196	35	45	247.9	49	35	245.8	62	75	240.9	76	90	236.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	293.5	196.9	39	45	262.9	54	35	260.8	69	90	255.9	84	110	255.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	321.2	175.8	45	55	263.4	66.2	75	260.8	71.8	90	255.1	87.4	110	254.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	348.9	182.7	50	55	268.9	72.9	75	266.9	78.9	90	264.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V450	550	800	269.1	254.4	32	45	257.7	44	35	255.7	57	75	252.8	69	90	249.8	81	119	139.7	94	140	132	135	128	130	145	145	108	0				
		900	293.8	196	35	45	262.9	49	35	260.8	62	75	256.9	76	90	251.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	318.5	196.9	39	45	277.9	54	35	275.8	69	90	270.9	84	110	270.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	346.2	175.8	45	55	278.4	66.2	75	275.8	71.8	90	270.1	87.4	110	274.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	373.9	182.7	50	55	283.9	72.9	75	281.9	78.9	90	279.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V500	600	800	294.1	279.9	32	45	278.7	44	35	276.7	57	75	273.8	69	90	269.8	81	119	141.7	94	140	132	135	128	130	145	145	108	0				
		900	318.8	196	35	45	283.9	49	35	281.8	62	75	276.9	76	90	271.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	343.5	196.9	39	45	298.9	54	35	296.8	69	90	291.9	84	110	291.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	371.2	175.8	45	55	299.4	66.2	75	296.8	71.8	90	291.1	87.4	110	294.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	398.9	182.7	50	55	304.9	72.9	75	302.9	78.9	90	300.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V550	700	800	319.6	294.4	32	45	298.7	44	35	296.7	57	75	293.8	69	90	289.8	81	119	143.7	94	140	132	135	128	130	145	145	108	0				
		900	344.3	196	35	45	303.9	49	35	301.8	62	75	296.9	76	90	291.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	369.0	196.9	39	45	318.9	54	35	316.8	69	90	311.9	84	110	311.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	396.7	175.8	45	55	319.4	66.2	75	316.8	71.8	90	311.1	87.4	110	314.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	424.4	182.7	50	55	324.9	72.9	75	322.9	78.9	90	320.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V600	800	800	344.1	324.4	32	45	323.7	44	35	321.7	57	75	318.8	69	90	314.8	81	119	145.7	94	140	132	135	128	130	145	145	108	0				
		900	368.8	196	35	45	328.9	49	35	326.8	62	75	321.9	76	90	316.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	393.5	196.9	39	45	343.9	54	35	341.8	69	90	334.9	84	110	334.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	421.2	175.8	45	55	344.4	66.2	75	341.8	71.8	90	334.1	87.4	110	337.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	448.9	182.7	50	55	349.9	72.9	75	347.9	78.9	90	345.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V650	900	800	369.1	344.4	32	45	338.7	44	35	336.7	57	75	331.8	69	90	327.8	81	119	147.7	94	140	132	135	128	130	145	145	108	0				
		900	393.8	196	35	45	343.9	49	35	341.8	62	75	336.9	76	90	331.8	90	149	138.8	105	132	135	128	130	145	145	108	0					
		1000	418.5	196.9	39	45	358.9	54	35	356.8	69	90	347.9	84	110	347.9	100	149	113.8	143	165	120	132	120	130	145	145	108	0				
		1200	446.2	175.8	45	55	359.4	66.2	75	356.8	71.8	90	347.1	87.4	110	350.5	103	163.7	118.7	132	158.8	120	132	120	132	165	145	108	0				
		1400	473.9	182.7	50	55	364.9	72.9	75	362.9	78.9	90	360.9	90	110	217	109	132	144	160	180	120	132	120	132	165	145	108	0				
RR-V700	1000	800																															

RR-W系列罗茨真空泵性能表 Performance Data of Series RR-W Rotary Vacuum Pump

型号		口径 mm	转速 rpm	理论流量 Theoretical Capacity m³/min	各真空度下的吸入流量Q _s (m³/min) 和所需的轴功率La (kW) 及配套电机功率 (kW)																								吸入流量 Suction water flow L/min	电机 功率 Motor Power P
					Inlet Flow Q _s (m³/min), Shaft Power La (kW) And Motor Power Po																									
					~13.3kPa				~26.6kPa				~53.3kPa				~80.0kPa				~106.7kPa				~133.3kPa					
Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	
RRD-120	120	1200	9200	11.12	16.1	8.12	6.5	8.9	6.4	7.5	6.7	4.60	11	8.3	7.9	12	9	8.4	11	6.3	10.9	12	7.9	12.6	15	10	8			
			1100	13.12	18.2	8.90	6.5	12	6.4	7.5	11.9	7.90	11	11.5	8.3	11	11.5	10.9	10	10.6	12.2	10	9.9	13.7	16.5	10	4			
			1400	16.03	19.6	8.3	7.5	13.4	8.10	11	13.2	10	12	14.9	11.6	10	13.5	13.7	10.9	14	13.6	10.9	13.5	17.5	22	12	4			
			1700	20.07	19	7.5	11	16.8	9.8	11	16.6	12	15	18.5	14.2	10.5	17.9	16.3	15.4	16.7	22	16.7	10.9	20	22	12	4			
RRD-120V	120	1200	9200	22.94	21.9	8.10	11	11.7	11.5	13	11.5	13.7	16.3	21.1	16.5	16.3	18.8	18.8	22	16.3	21.5	20	18.8	23.9	30	12	4			
			1100	15.04	22.5	8	7.5	12.2	8.9	7.5	11.9	8	11	11.6	9.5	11	11.1	11	10.5	12.5	13	9.7	11	18.5	10	6				
			1400	16.96	18	8.8	7.5	14.7	7.4	11	14.4	9.5	11	14.1	11.1	10	13.6	12.9	13	13	14.7	16.9	12.2	18.4	18.5	10	4			
			1700	20.24	18.2	7.5	11	18.9	9.8	11	18.6	12	15	18.5	14.9	16.3	17.6	18.5	18.3	17.2	18.9	22	16.6	21	30	12	4			
RRD-130	130	1200	10600	25.30	34	8.1	11	25.7	12	12	22.5	14.9	16.5	25.1	17.6	22	22.6	20.4	20	21.9	22.3	30	20.6	25	30	12	4			
			1100	30.04	26.2	10.6	15	29	14.2	16.5	26.7	17.6	22	28.3	21	20	27.8	24.4	20	27.1	27.2	37	25.9	31.1	37	12	4			
			1400	36.90	35.6	12.2	15	35.2	10.6	22	35.2	20	20	32.7	23.9	20	32.2	22.9	20	31.7	31.7	37	30.2	34.5	45	15	4			
			1700	40.90	38.2	13.5	15	38.9	11.5	25	38.9	12.1	13	38	14.4	16.1	17.4	16.7	22	16.6	16.8	22	15.1	21.3	30	12	6			
RRD-130V	130	1200	10600	24.66	33	8.8	11	22.7	11.4	13	22.4	14.2	16.3	21.9	16.9	22	21.3	19.7	20	20.4	22.5	30	16	23.1	30	12	4			
			1100	31.69	28.5	13.9	15	29.1	14.3	16.5	28.6	17.8	22	28.3	21.2	20	27.7	24.7	20	26.9	28.1	37	25.4	31.6	37	10	4			
			1400	37.55	36.9	14.1	15	36.6	17.3	22	36.5	21.9	26	34.7	24.7	20	34.1	29.8	37	33.5	34	45	31.9	38.1	45	10	4			
			1700	42.80	41.3	15	16.5	33.9	19.8	30	40.1	24.5	30	40.1	29.5	37	36.1	34.1	45	36.4	36.9	45	37.2	43.6	50	10	4			
RRD-150	150	1200	11100	16.94	35.9	8.8	11	15	8.7	11	14.6	16.6	15	14.3	12.5	15	13.6	14.4	18.1	12.7	16.6	18.5	11.6	18.2	22	18	8			
			1100	25.70	31.2	8	11	30.7	11.5	15	26.3	14	16.3	16.9	16.6	16.3	16.3	19.1	22	18.3	21.6	30	17.2	24.1	30	10	6			
			1400	27.30	35.9	16.9	15	26.1	13.9	16.9	25	26.9	22	34.6	19.9	22	34	23	30	23	30	30	21.9	29.1	37	10	4			
			1700	29.36	37.7	11.6	15	27.2	14.6	16.5	26.9	18.7	22	26.5	21.4	20	25.8	24.6	30	24.9	27.9	37	26.5	31.1	37	10	4			
RRD-200	200	1200	13000	31.00	39.1	12.5	15	28.4	16	16.5	28.2	18.5	22	28.8	23	20	28.3	26.5	30	27.2	30	37	26.1	33.5	37	10	4			
			1100	35.94	36.4	14	16.5	31.9	18	22	31.6	21.7	26	31.1	22.5	20	30.4	29.3	37	28.5	32	37	30.4	36.8	45	10	4			

注: 1. 湿式罗茨真空泵不宜输送腐蚀性、磨蚀性的气体。
2. Direct drive is adopted for model marked with "V", Belt drive is for others.
3. Belt drive with counter shaft should be adopted for pump whose performance points are enclosed by the " "。

RR-W系列罗茨真空泵性能表 Performance Data of Series RR-W Rotary Vacuum Pump

型号		口径 mm	转速 rpm	理论流量 Theoretical Capacity m³/min	各真空度下的吸入流量Q _s (m³/min) 和所需的轴功率La (kW) 及配套电机功率Po (kW)																								吸入流量 Suction water flow L/min	电机 功率 Motor Power P	
					Inlet Flow Q _s (m³/min), Shaft Power La (kW) And Motor Power Po																										
					~13.3kPa				~26.6kPa				~53.3kPa				~80.0kPa				~106.7kPa				~133.3kPa						
Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po	Q _s	La	Po		
RRD-160	160	1200	20.20	19	8	11	16.7	10.2	11	16.2	12.6	13	17.7	14.9	16.5	17	17.2	22	16	16.5	22	14.7	21.4	20	10	4					
		1100	27.64	25.9	10.5	15	25.5	13.6	16.5	25	16.7	18.5	24.5	19.6	22	23.6	22.6	30	22.6	25.9	30	21.5	26.9	37	10	6					
		1400	33.24	31.6	12.6	15	31.2	16.4	18.5	30.7	20.1	20	36.2	23.8	20	36.5	27.5	37	36.5	34.1	37	27.2	34.8	45	10	4					
		1700	35.62	33.9	13.1	15	33.5	17.3	22	33	21.2	20	32.5	22.2	20	31.8	28.2	37	30.9	33.1	37	29.5	37.1	45	10	4					
RRD-160V	160	1200	28.14	36.7	14.6	16.9	36.4	18.8	22	36.9	23.1	20	35.4	27.4	27	34.7	31.5	37	33.7	36	45	32.4	40.2	45	10	4					
		1100	41.22	38.5	17.6	16.5	39	21	30	38.5	25.9	30	38	30.5	37	37.3	34.8	45	36.5	38.4	45	35	44	55	10	4					
		1400	26.38	24.8	8.5	11	24.4	12.1	13	23.9	13.4	16.5	23.3	16.8	22	23.5	21.4	30	21.5	24.4	30	19.8	27.3	37	10	6					
		1700	31.54	33.5	12.8	10	31.1	16.8	18.5	32	22	24.8	30	31.2	28.8	37	30	32.4	37	26.3	36.3	45	18	8	6						
RRD-180	200	1200	42.90	40.9	15.1	18.5	40.5	19.9	30	40	24.6	30	35.4	28.4	37	36.4	34.1	45	37.4	38.1	45	37.7	45.7	55	20	4					
		1100	45.90	45.9	16.2	18.5	45.4	21.5	30	42.9	26.5	30	42.3	31.5	37	41.5	38.6	45	40.5	41.7	55	38.6	46.7	55	20	4					
		1400	48.40	47.5	17.3	22	47.1	20	30	46.6	26.1	37	46	34	45	46.2	38.5	45	44	44.9	55	42.2	50.4	75	20	4					
		1700	53.15	51.2	19	22	50.8	24.9	30	50.2	30.5	37	48.7	36.7	45	48.9	42.6	55	47.7	48.4	75	46	54.3	75	20	4					
RRD-180V	200	1200	32.92	38.9	11.5	15	30.6	15.1	16.5	29.8	18	22	28.1	22.6	20	28.1	26.2	30	26.9	28.9	37	24.4	32.6	45	10	6					
		1100	44.42	41.9	14.9	22	41.4	19.9	22	40.8	24.7	30	40.1	29.6	27	39.1	34.6	45	37.8	38.5	45	35.4	44.5	55	20	4					
		1400	53.39	51.1	18	22	50.6	23.8	30	50	29.9	37	48.9	35.7	45	48.9	41.7	55	47	47.6	55	44.6	53.6	75	20	4					
		1700	57.25	54.7	19.1	22	54.2	25.3	30	53.6	32.1	37	52.8	38.6	45	51.9	43.5	55	50.6	51	75	48.2	57.1	75	20	4					
RRD-200	250	1200	60.43	58.5	20	22	58.8	28.7	30	58.2	33.4	45	57.5	36.9	45	56.5	46.5	55	55.2	55	75	52.8	58.7	75	20	4					
		1100	66.41	63.9	22.3	30	63.4	28.3	37	62.8	36.1	45	62.1	43.7	45	61.1	50.6	75	50.8	57.7	75	47.4	54.9	75	20	4					
		1400	64.30	62.1	15.9	18.5	57.4	16.7	22	56.7	22.9	30	56.5	27.9	37	54.7	32.2	37	53.2	36.6	45	36.1	41.1	55	10	6					
		1700	54.30	51.5	10	22	50.9	24	30	50.2	20	37	49.2	26	45	48.2	42.2	55	47.8	48.2	55	44.1	54.2	75	20	4					
RRD-250V	300	1200	65.40	62.7	21.5	30	62.1	28.9	37	61.4	30	45	60.5	43.3	45	59.5	36.5	75	57.9	58	75	55.5	66.1	75	20	4					
		1100	70.00	67.2	24.6	30	68.6	30.5	37	67.9	38.2	45	67	48	60.8	45	62.9	52.5	75	62.4	63.5	75	59.8	70	90	20	4				
		1400	75.80	72.7	32.9	30	72.1	35	37	71.4	41.8	45	70.8	50	70	68.9	60.7	75	67.9	68.7	75	65.3	73	90	20	4					
		1700	81.20	78.1	25	37	77.6	36	45	77.1	45.2	55	76.2	54.5	75	75.1	63.1	75	73.6	72.2	90	71	81.2	90	20	4					
RRD-250V	300	1200	31.00	30.4	17.2	27	31.8	25.1	30	30.8	28.9	37	45.5	24.7	45	45.5	24.7	45	45.5	24.7	45	45.5	24.7	45	73	25	10				
		1100	40.10	40.6	22.7	30	40.9	30.7	37	40.9	38	45	41.2	40.9	45	41.6	33.6	75	40.8	41.1	75	40.6	40.8	75	20	4					
		1400	35.30	34.9	21.7	37	34.1	30.4	45	34.1	36.6	55	77.1	54.9	75	73.6	65.1	75	73.8	73.6	90	73	82.6	110	30						

RR-W系列罗茨真空泵性能表 Performance Data of Series RR-W Rotary Vacuum Pump																									
型号 Size	口径 Inlet	转速 RPM	标准流量 Standard Capacity L/min	各真空度下的吸入流量Q _s (m ³ /min) 和所需的轴功率La (kW) 及配套电机功率 P ₀ (kW)																		封入水 Sealing Water Flow / L/min	电机 功率 / Motor Power / P		
				Inlet Flow Q _s (m ³ /min), Shaft Power La(kW) And Motor Power P ₀																					
				<1.3kPa			<20.0kPa			<33.3kPa			<40.0kPa			<46.7kPa			<53.3kPa						
Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀	Q _s	La	P ₀		
RR-200R	300	800	117.30	141	41	41	149	40	75	139	37	36	137	35	34	134	34	32	131	32	30	40	6		
		1000	144.10	159	48	48	157	47	75	155	45	44	153	43	42	151	42	40	149	40	38	48	6		
		1500	219.70	237	70	70	235	69	105	233	67	66	231	65	64	229	64	62	227	62	60	70	6		
RR-200R	300	2000	284.30	327	89	89	325	88	135	323	86	133	321	85	130	319	84	82	317	82	80	90	6		
		3000	426.40	501	133	133	499	132	200	497	128	198	495	126	196	493	125	123	491	122	120	135	6		
		4000	568.50	671	177	177	669	176	270	667	174	268	665	172	266	663	171	169	661	169	167	180	6		
RR-200R	300	5000	852.70	1020	284	284	1019	283	450	1018	281	448	1017	280	446	1015	278	276	1013	275	273	300	6		
		6000	1036.00	1239	341	341	1237	340	540	1236	338	538	1235	336	534	1233	334	332	1231	331	329	360	6		
		7000	1181.00	1407	391	391	1405	390	630	1404	388	628	1403	386	624	1401	384	382	1399	381	379	420	6		
RR-200R	300	8000	1337.00	1593	454	454	1591	452	750	1590	450	748	1589	448	744	1587	446	444	1585	443	441	480	6		
		9000	1482.00	1748	511	511	1746	509	840	1745	507	838	1744	505	834	1742	503	501	1740	500	498	540	6		
		10000	1627.00	1900	569	569	1900	567	930	1899	565	928	1898	563	924	1896	561	559	1894	558	556	600	6		
RR-200R	300	12000	1964.00	2316	684	684	2314	682	1110	2313	680	1108	2311	678	1104	2309	676	674	2307	673	671	720	6		
		13000	2119.00	2477	741	741	2475	739	1200	2474	737	1198	2472	735	1194	2470	732	730	2468	729	727	780	6		
		14000	2264.00	2639	799	799	2637	797	1290	2636	795	1288	2634	793	1284	2632	791	789	2630	788	786	840	6		
RR-200R	300	15000	2409.00	2801	857	857	2799	855	1380	2798	853	1378	2796	851	1374	2794	849	847	2792	846	844	900	6		
		16000	2554.00	2963	915	915	2962	913	1470	2961	911	1468	2959	909	1464	2957	907	905	2955	904	902	960	6		
		17000	2699.00	3125	973	973	3123	971	1560	3122	969	1558	3120	967	1554	3118	965	963	3116	962	960	1020	6		
RR-200R	300	18000	2844.00	3287	1031	1031	3282	1029	1650	3281	1027	1648	3279	1025	1644	3277	1023	1021	3275	1020	1018	1080	6		
		19000	2989.00	3449	1089	1089	3444	1087	1740	3443	1085	1738	3441	1083	1734	3439	1081	1079	3437	1078	1076	1140	6		
		20000	3134.00	3611	1147	1147	3606	1145	1830	3605	1143	1828	3603	1141	1824	3601	1139	1137	3599	1136	1134	1200	6		
RR-200R	300	22000	3522.00	4029	1265	1265	4022	1263	2010	4021	1261	2008	4019	1259	2004	4017	1257	1255	4015	1254	1252	1320	6		
		24000	4210.00	4647	1443	1443	4640	1441	2280	4639	1439	2278	4637	1437	2272	4635	1435	1433	4633	1432	1430	1440	6		
		26000	4898.00	5265	1621	1621	5258	1619	2550	5257	1617	2548	5255	1615	2542	5253	1613	1611	5251	1610	1608	1560	6		
RR-200R	300	28000	5586.00	5883	1799	1799	5876	1797	2820	5875	1795	2818	5873	1793	2812	5871	1791	1789	5869	1788	1786	1920	6		
		30000	6274.00	6501	1977	1977	6492	1975	3090	6491	1973	3088	6489	1971	3082	6487	1969	1967	6485	1964	1962	2040	6		
		32000	6962.00	7119	2155	2155	7110	2153	3360	7109	2151	3358	7107	2149	3352	7105	2147	2145	7103	2142	2140	2160	6		
RR-200R	300	34000	7650.00	7737	2333	2333	7728	2331	3630	7727	2329	3628	7725	2327	3622	7723	2325	2323	7721	2320	2318	2400	6		
		36000	8338.00	8355	2511	2511	8346	2509	3900	8345	2507	3898	8343	2505	3892	8341	2503	2501	8339	2500	2498	2520	6		
		38000	9026.00	8973	2689	2689	8964	2687	4170	8963	2685	4168	8961	2683	4162	8959	2681	2679	8957	2678	2676	2640	6		
RR-200R	300	40000	9714.00	9591	2867	2867	9582	2865	4440	9581	2863	4438	9579	2861	4432	9577	2859	2857	9575	2854	2852	2880	6		
		42000	10402.00	10209	3045	3045	10198	3043	4710	10197	3041	4708	10195	3039	4702	10193	3037	3035	10191	3030	3028	3000	6		
		44000	11090.00	10827	3223	3223	10818	3221	4980	10817	3219	4978	10815	3217	4972	10813	3215	3213	10811	3210	3208	3120	6		
RR-200R	300	46000	11778.00	11445	3401	3401	11436	3399	5250	11435	3397	5248	11433	3395	5242	11431	3393	3391	11429	3390	3388	3240	6		
		48000	12466.00	12063	3579	3579	12054	3577	5520	12053	3575	5518	12051	3573	5512	12049	3571	3569	12047	3566	3564	3360	6		
		50000	13154.00	12681	3757	3757	12672	3755	5790	12671	3753	5788	12669	3751	5782	12667	3749	3747	12665	3746	3744	3480	6		
RR-200R	300	52000	13842.00	13299	3935	3935	13290	3933	6060	13289	3931	6058	13287	3929	6052	13285	3927	3925	13283	3922	3920	3600	6		
		54000	14530.00	13917	4113	4113	13908	4111	6330	13907	4109	6328	13905	4107	6322	13903	4105	4103	13901	4100	4098	3720	6		
		56000	15218.00	14535	4291	4291	14526	4289	6600	14525	4287	6598	14523	4285	6592	14521	4283	4281	14519	4278	4276	3840	6		
RR-200R	300	58000	15906.00	15153	4469	4469	15144	4467	6870	15143	4465	6868	15141	4463	6862	15139	4461	4459	15137	4458	4456	3960	6		
		60000	16594.00	15771	4647	4647	15762	4645	7140	15761	4643	7138	15759	4641	7132	15757	4639	4637	15755	4636	4634	4080	6		
		62000	17282.00	16389	4825	4825	16380	4823	7410	16379	4821	7408	16377	4819	7402	16375	4817	4815	16373	4814	4812	4200	6		
RR-200R	300	64000	17970.00	16997	5003	5003	16968	5001	7680	16967	4999	7678	16965	4997	7672	16963	4995	4993	16961	4992	4990	4320	6		
		66000	18658.00	17615	5181	5181	17606	5179	7950	17605	5177	7948	17603	5175	7942	17601	5173	5171	17599	5170	5168	4440	6		
		68000	19346.00	18233	5359	5359	18224	5357	8220	18223	5355	8218	18221	5353	8212	18219	5351	5349	18217	5348	5346	4560	6		
RR-200R	300	70000	20034.00	18851	5537	5537	18842	5535	8490	18841	5533	8488	18839	5531	8482	18837	5529	5527	18835	5526	5524	4680	6		
		72000	20722.00	19469	5715	5715	19460	5713	8760	19459	5711	8758	19457	5709	8752	19455	5707	5705	19453	5704	5702	4800	6		
		74000	21410.00	20087	5893	5893	20078	5891	9030	20077	5889	9028	20075	5887	9022	20073	5885	5883	20071	5882	5880	4920	6		
RR-200R	300	76000	22098.00	20705	6071	6071	20696	6069	9300	20695	6067	9298	20693	6065	9292	20691	6063	6061	20689	6060	6058	5040	6		
		78000	22786.00	21323	6249	6249	21314	6247	9570	21313	6245	9568	21311	6243	9562	21309	6241	6239	21307	6238	6236	5160	6		
		80000	23474.00	21941	6427	6427	21930	6425	9840	21929	6423	9838	21927	6421	9832	21925	6419	6417	21923	6416	6414	5280	6		