Helical Construction Roots Blower For Pneumatic Conveying In Water Treatment

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: SSR
- 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
- Boost: 9.8-78.4kPa
- Models: SSR
- Calibre: 50-200mm
- Flow Rate: 0.78-60m³/min
- Pressure: 9.8kPa-58.8kPa
- Highlight: **helical roots blower**, **helical roots air blower**, **pneumatic conveying roots blower**

Our Product Introduction

Product Description

Blower used for pneumatic conveying in water treatment

Product Features

The helical construction uses the stator helical methodthat the screen lines of casing at the suction and dischargesides are cut to a helical shape,and the triangle suctionand discharge port formed by a straight line of the rotortop is to be opened and closed gradually.
Therefore,the suction and discharge ports of this type is not opened or closed at moments,which makes theseblowers have an only limited operation sound and almost free from pulsations from discharge.

The rotors are three-lobe straight type,so that therotors can not interfere with each other,resulting from minor displacements in the thrust direction as in the helical type.Therefore,the clearance between the rotors should be assured in the profile direction only and thus there is no necessity of an excessive clearance on aocount of displacements in the thrust direction as in case of the rotor helical type.From such reasons,these blowers have a very high efficiency,in comparison with the rotor helical type of same dirmensions.

By adoption of an unique profile of rotor,the clearance between the rotors can be held to be constant,which makes the efficiency even higher.

The precision of rotors is fully controlled and variation of precision between blowers is almost nil because the rotors are produced under the mass production control by utilizing a prenision NC maching.In addition, the rotors are dynamically balanced in the fabrication stage already ,so that these rotors are almost free from vibrations as in the case of conventional rotors which are still unbalanced .

The advancedest driving gears are adopted not only to extend the use life but also to make noise lower.The gears are made in special Cr-Mo steel by hardening treatmentc and are made according with gear precision of JISII first-class,Therefore,the harmful disturbances to products from gears are avoided.
The transported air is clean and is any oil-cust free oil lubrication is not needed in casing and the structure design prerent the bearing oil and gear oil from entering the casing.
With the establishment of quality management system and manufacture management system,the aims of parts exchanging,less production cost and rapid delivery are realized.The blowers of right quantity are keeped in stock to make delivery in time.

Key Advantages

The newly developed blower, which is most suitable for water treatment and pneumatic conveying, has been deeply developed and carefully designed for optimal energy saving. Compared with the original series, each blower has a maximum energy saving of over 30% and an average energy saving of over 10%.
Compact design
Low noise and low vibration design
Compatibility of replacement and convenience of maintenance

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 ad-ministrative 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.

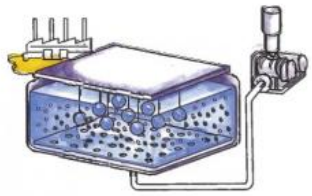
Manufacturing & Equipment Base

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

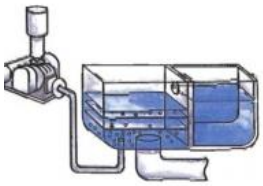


■电镀槽搅拌
Stirring in Plated Vessel

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

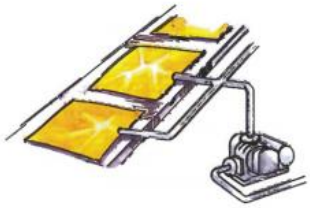
■工厂废水和畜产废水处理（曝气）
Waste Water Aeration for Shop and Livestock Industries

■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

SSR 性能表

Type SSR Performence Table

Qs 进风状态风量(m^3/min)
Suction-phase Air Volume(m^3/min)

La 所需动力(kW)
Required electric power(kW)

0.75kW 1.1kW 1.5kW 2.2kW 3kW 4kW 5.5kW 7.5kW 11kW
15kW 18.5kW 22kW 30kW 37kW 45kW 55kW 75kW 90kW

形式 Type	口径 Broe	转速 rpm	排出压力 (kgf/cm^2) Discharge Pressure																						转速 rpm
			0.10		0.15		020		0.25		0.30		0.35		0.40		0.45		0.50		0.55		0.60		
			9.8kPa		14.7kPa		19.6kPa		24.5kPa		29.4kPa		34.3kPa		39.2kPa		44.1kPa		49kPa		53.9kPa		58.8kPa		
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SSR 50	50A	1100	1.22	030	1.16	0.44	1.12	0.52	1.05	0.66	0.99	0.78	0.93	0.92	0.90	1.04	0.85	1.18	0.78	1.32					1100
		1230	1.38	0.38	1.31	0.52	1.27	0.64	1.20	0.78	1.14	0.92	1.08	1.06	1.05	1.20	1.00	1.35	0.94	1.49	0.90	1.64			1230
		1350	1.53	0.44	1.46	0.60	1.42	0.74	1.34	0.88	1.28	1.04	1.23	1.19	1.19	1.34	1.14	1.50	1.09	1.65	1.05	1.82			1350
		1450	1.66	0.50	1.58	0.67	1.54	0.82	1.46	0.98	1.40	1.14	1.34	1.30	1.30	1.47	1.25	1.62	1.20	1.79	1.16	1.96	1.14	2.15	1450
		1530	1.75	0.56	1.68	0.74	1.63	0.90	1.55	1.06	1.49	1.24	1.43	1.40	1.39	1.58	1.35	1.75	1.30	1.92	1.26	2.10	1.24	2.29	1530
		1640	1.89	0.64	1.81	0.84	1.76	1.01	1.68	1.18	1.62	1.37	1.56	1.55	1.52	1.74	1.47	1.91	1.43	2.10	1.40	2.29	1.38	2.49	1640
		1730	2.00	0.71	1.92	0.92	1.87	1.10	1.79	1.28	1.73	1.48	1.66	1.67	1.62	1.86	1.57	2.05	1.53	2.25	1.50	2.45	1.48	2.66	1730
		1840	2.13	0.80	2.05	1.01	2.00	1.20	1.92	1.40	1.86	1.62	1.79	1.81	1.75	2.02	1.70	2.22	1.67	2.43	1.64	2.64	1.62	2.86	1840
		1950	2.27	0.89	2.19	1.11	2.13	1.32	2.05	1.52	1.99	1.75	1.92	1.95	1.83	2.18	1.83	2.39	1.81	2.61	1.77	2.83	1.75	3.06	1950
		2120	2.48	1.02	2.39	1.26	2.33	1.49	2.25	1.71	2.19	1.96	2.12	2.18	2.03	2.42	2.03	2.65	2.01	2.89	1.98	3.13	1.96	3.37	2120
SSR 65	65A	1110	1.67	0.38	1.57	0.60	1.48	0.80	1.40	0.99	1.32	1.16	1.25	1.35	1.13	1.52	1.12	1.72	1.07	1.82					1110
		1240	1.92	0.48	1.82	0.70	1.73	0.92	1.65	1.12	1.58	1.33	1.51	1.53	1.44	1.74	1.38	1.96	1.32	2.10	1.27	2.30			1240
		1360	2.16	0.56	2.06	0.81	1.97	1.04	1.89	1.24	1.82	1.48	1.75	1.71	1.68	1.94	1.62	2.18	1.56	2.35	1.51	2.58			1360
		1450	2.31	0.63	2.22	0.88	2.14	1.12	2.07	1.34	2.00	1.60	1.93	1.85	1.86	2.10	1.80	2.32	1.74	2.54	1.69	2.78	1.63	3.00	1450
		1530	2.45	0.70	2.36	0.96	2.28	1.20	2.21	1.45	2.14	1.72	2.08	1.98	2.02	2.25	1.96	2.50	1.90	2.72	1.84	2.96	1.79	3.20	1530
		1640	2.66	0.80	2.57	1.08	2.49	1.33	2.42	1.60	2.36	1.89	2.30	2.17	2.24	2.46	2.16	2.73	2.12	2.95	2.06	3.22	2.01	3.46	1640
		1740	2.86	0.89	2.77	1.18	2.69	1.46	2.62	1.74	2.56	2.04	2.50	2.34	2.44	2.64	2.38	2.94	2.32	3.16	2.26	3.45	2.21	3.70	1740
		1820	3.02	0.96	2.93	1.27	2.85	1.56	2.78	1.86	2.72	2.16	2.66	2.46	2.60	2.79	2.54	3.10	2.48	3.33	2.42	3.63	2.37	3.90	1820
		1940	3.26	1.07	3.17	1.40	3.09	1.71	3.02	2.03	2.96	2.35	2.90	2.69	2.83	3.02	2.77	3.35	2.71	3.59	2.66	3.90	2.61	4.20	1940
		2130	3.64	1.24	3.55	1.60	3.47	1.95	3.40	2.30	3.33	2.65	3.27	3.00	3.21	3.35	3.15	3.72	3.09	4.00	3.04	4.34	2.99	4.66	2130
SSR 80	80A	1140	3.09	1.04	3.00	1.32	2.90	1.60	2.84	1.98	2.78	2.14	2.71	2.43	2.63	2.69	2.54	3.00	2.48	3.22	2.40	3.47	2.36	3.74	1140
		1230	3.37	1.14	3.28	1.46	3.18	1.76	3.10	2.06	3.06	2.35	2.99	2.65	2.91	2.94	2.82	3.27	2.76	3.53	2.68	3.81	2.63	4.11	1230
		1300	3.59	1.22	3.50	1.57	3.41	1.89	3.33	2.21	3.27	2.51	3.20	2.83	3.12	3.14	3.03	3.49	2.97	3.77	2.90	4.09	2.84	4.41	1300
		1360	3.77	1.29	3.68	1.66	3.59	1.99	3.52	2.33	3.46	2.64	3.38	2.98	3.30	3.31	3.22	3.67	3.16	3.98	3.09	4.30	3.02	4.65	1360
		1460	4.08	1.40	3.99	1.81	3.90	2.17	3.82	2.54	3.76	2.87	3.69	3.23	3.62	3.60	3.53	3.98	3.46	4.32	3.40	4.69	3.34	5.06	1460
		1560	4.38	1.52	4.30	1.97	4.21	2.32	4.14	2.74	4.07	3.10	4.00	3.49	3.93	3.88	3.84	4.29	3.77	4.66	3.71	5.07	3.65	5.48	1560
		1650	4.66	1.62	4.57	2.11	4.48	2.50	4.41	2.92	4.36	3.31	4.28	3.71	4.20	4.14	4.12	4.56	4.05	4.98	3.98	5.40	3.92	5.85	1650
		1730	4.90	1.71	4.82	2.23	4.73	2.64	4.67	3.08	4.60	3.50	4.53	3.92	4.46	4.36	4.38	4.80	4.30	5.26	4.24	5.74	4.15	6.18	1730
		1820	5.18	1.81	5.10	2.37	5.00	2.80	4.94	3.27	4.88	3.70	4.81	4.15	4.74	4.62	4.65	5.08	4.58	5.57	4.52	6.06	4.45	6.56	1820
		1900	5.43	1.91	5.35	2.50	5.27	2.95	5.19	3.44	5.12	3.88	5.06	4.35	4.99	4.88	4.89	5.33	4.82	5.84	4.77	6.36	4.70	6.88	1900
SSR 100	200A	1060	4.57	1.35	4.40	1.80	4.24	2.23	4.09	2.70	3.96	3.10	3.82	3.57	3.70	4.00	3.59	4.48	3.48	4.95	3.38	5.40	3.28	5.86	1060
		1140	4.97	1.52	4.81	2.00	4.65	2.46	4.50	2.95	4.36	3.41	4.23	3.90	4.12	4.38	4.01	4.88	3.90	5.38	3.80	5.88	3.71	6.38	1140
		1220	5.34	1.68	5.18	2.20	5.03	2.70	4.89	3.20	4.76	3.71	4.84	4.24	4.53	4.76	4.42	5.29	4.32	5.76	4.22	6.37	4.13	6.90	1220
		1310	5.73	1.87	5.58	2.41	5.44	2.96	5.31	3.50	5.18	4.05	5.06	4.61	4.95	5.18	4.84	5.75	4.74	6.30	4.64	6.92	4.55	7.48	1310
		1460	6.53	2.18	6.38	2.78	6.25	3.40	6.12	3.98	6.00	4.62	5.89	5.24	5.78	5.87	5.68	6.52	5.58	7.10	5.48	7.74	5.39	8.45	1460
		1540	6.91	2.40	6.77	3.02	6.64	3.67	6.52	4.30	6.40	4.98	6.29	5.63	6.19	6.30	6.09	6.98	5.99	7.61	5.90	8.37	5.81	9.00	1540
		1680	7.63	2.78	7.49	3.48	7.36	4.18	7.24	4.90	7.13	5.62	7.02	6.35	6.92	7.08	6.82	7.83	6.73	8.50	6.64	9.30	6.55	10.03	1680
		1780	8.09	3.05	7.96	3.81	7.84	4.56	7.73	5.32	7.62	6.10	7.52	6.86	7.42	7.63	7.32	8.43	7.23	9.15	7.14	9.97	7.06	10.71	1780
		1880	8.57	3.33	8.45	4.13	8.36	4.93	8.25	5.75	8.15	6.56	8.05	7.38	7.95	8.18	7.86	9.02	7.77	9.80	7.68	10.62	7.60	11.42	1880
		1980	9.07	3.60	8.96	4.46	8.85	5.31	8.75	6.17	8.65	7.01	8.55	7.90	8.46	8.75	8.37	9.63	8.28	10.46	8.20	11.30	8.12	12.13	1980

SSR 性能表

Type SSR Performence Table

Q_S 进风状态风量(m^3/min)
Suction-phase Air Volume(m^3/min)

L_a 所需动力(kW)
Required electric power(kW)

0.75kW 1.1kW 1.5kW 2.2kW 3kW 4kW 5.5kW 7.5kW 11kW
15kW 18.5kW 22kW 30kW 37kW 45kW 55kW 75kW 90kW

形式 Type	口径 Broe	转速 rpm	排出压力 (kgf/cm²) Discharge Pressure																				转速 rpm
			0.10		0.15		020		0.25		0.30		0.35		0.40		0.45		0.50		0.55		0.60		
			9.8kPa		14.7kPa		19.6kPa		24.5kPa		29.4kPa		34.3kPa		39.2kPa		44.1kPa		49kPa		53.9kPa		58.8kPa		
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SSR 125	125A	980	6.50	1.65	6.30	2.23	6.15	2.80	6.05	3.45	5.95	4.10	5.82	4.70	5.75	5.40	5.64	6.10	5.55	6.70	5.47	7.20	5.37	8.05	980
		1050	6.96	1.90	6.78	2.54	6.63	3.15	6.51	3.85	6.42	4.53	6.30	5.20	6.22	5.95	6.11	6.65	6.03	7.30	5.95	7.90	5.85	8.75	1050
		1200	8.00	2.50	7.80	3.20	7.65	3.92	7.55	4.70	7.45	5.50	7.34	6.28	7.25	7.10	7.15	7.90	7.00	8.65	6.98	9.40	6.90	10.25	1200
		1310	8.75	2.90	8.55	3.65	8.40	4.50	8.29	5.35	8.19	6.20	8.09	7.05	8.00	7.90	7.90	8.80	7.82	9.65	7.74	10.05	7.64	11.40	1310
		1390	9.30	3.20	9.10	4.00	8.96	4.90	8.84	5.80	8.74	6.70	8.63	7.60	8.54	8.50	8.45	9.45	8.37	10.35	8.28	11.25	8.20	12.20	1390
		1450	9.72	3.45	9.50	4.25	9.35	5.20	9.25	6.15	9.15	7.10	9.05	8.05	8.95	9.00	8.85	9.90	8.77	10.90	8.70	11.80	8.60	12.80	1450
		1530	10.27	3.80	10.07	4.70	9.90	5.65	9.80	6.65	9.70	7.65	9.60	8.60	9.50	9.60	9.40	10.60	9.33	11.60	9.25	12.60	9.15	13.60	1530
		1630	10.96	4.30	10.75	5.20	10.57	6.25	10.47	7.25	10.37	8.35	10.27	9.35	10.17	10.35	10.08	11.35	10.01	12.40	9.93	13.50	9.85	14.60	1630
		1750	11.78	4.90	11.55	5.80	11.38	6.95	11.29	7.95	11.18	9.18	11.09	10.20	10.99	11.26	10.91	12.33	10.83	13.38	10.75	14.70	10.66	15.80	1750
		1850	12.48	5.40	12.25	6.36	12.05	7.55	11.97	8.57	11.85	9.88	11.70	10.94	11.66	12.02	11.58	13.12	11.50	14.20	11.42	15.60	11.34	16.85	1850
SSR 150	150A	810	12.01	3.85	11.76	5.00	11.54	6.20	11.35	7.30	11.15	8.50	11.00	9.60	10.86	10.80	10.76	11.96	10.65	13.20	10.52	14.40	10.39	15.60	810
		860	12.80	4.40	12.62	5.60	12.40	6.86	12.20	8.05	12.03	9.30	11.86	10.45	11.75	11.70	11.65	13.00	11.54	14.25	11.40	15.50	11.27	16.80	860
		970	14.70	5.58	14.50	7.00	14.30	8.30	14.10	9.65	13.95	11.05	13.80	12.40	13.70	13.80	13.60	15.20	13.50	16.60	13.35	18.00	13.23	19.40	970
		1110	17.08	7.00	16.90	8.60	16.70	10.15	16.52	11.70	16.37	13.10	16.25	14.80	16.15	16.50	16.05	18.00	15.95	19.60	15.85	21.20	15.70	22.80	1110
		1180	18.25	7.80	18.10	9.45	17.92	11.10	17.73	12.70	17.59	14.40	17.47	16.00	17.37	17.80	17.27	19.40	17.17	21.10	17.07	22.80	16.97	24.40	1180
		1240	19.27	8.45	19.10	10.20	18.95	11.90	18.77	13.60	16.63	15.40	18.53	17.07	18.43	18.90	16.33	20.70	18.23	22.40	18.13	24.20	18.03	25.80	1240
		1400	22.00	10.20	21.83	12.10	21.70	14.00	21.55	15.96	21.40	17.90	21.30	19.90	21.20	21.90	21.15	23.85	21.06	25.80	20.97	27.90	20.87	29.70	1400
		1520	23.93	11.65	23.80	13.80	23.68	15.90	23.52	18.00	23.40	20.15	23.30	22.30	23.21	24.60	23.13	26.70	23.04	28.90	22.96	31.20	22.82	33.30	1520
		1620	25.42	13.40	25.30	15.60	25.15	18.00	25.00	20.40	24.86	22.60	24.75	25.00	24.68	27.40	24.58	29.65	24.48	32.05	24.40	34.40	24.27	36.90	1620
		1730	27.05	15.30	28.92	17.60	26.77	20.20	26.61	22.90	26.48	25.30	26.35	27.90	26.27	30.40	26.17	33.0	26.08	35.55	26.00	38.00	25.87	40.80	1730
SSR 175	200A	970	21.87	7.20	21.42	9.29	21.02	11.25	20.64	13.26	20.33	15.33	20.04	17.35	19.80	19.42	19.57	21.49	19.35	23.56	19.08	25.63	18.85	27.70	970
		1110	25.43	8.91	25.01	11.28	24.61	13.59	24.25	15.90	23.94	18.05	23.67	20.52	23.44	23.00	23.21	25.25	22.98	27.62	22.77	29.99	22.51	32.35	1110
		1180	27.20	9.87	26.80	12.83	26.42	14.79	26.06	17.19	25.76	19.71	25.49	22.11	25.25	24.73	25.02	27.14	24.98	29.65	24.58	32.17	24.37	34.57	1180
		1240	28.73	10.65	28.31	13.25	27.96	15.80	27.61	18.35	27.30	21.00	27.06	23.52	26.82	26.21	26.59	28.86	26.37	31.41	26.15	34.07	25.94	36.51	1240
		1400	32.81	12.75	32.40	15.30	32.07	18.46	31.74	21.37	31.43	24.28	31.18	27.24	30.95	30.21	30.77	33.12	30.54	35.02	30.35	39.10	30.14	41.84	1400
		1520	35.76	14.47	35.39	17.67	35.07	20.81	34.73	23.95	34.45	27.14	34.20	30.34	33.98	33.70	33.77	36.84	33.55	40.09	33.35	43.45	33.11	46.59	1520
		1620	38.10	16.51	37.74	19.81	37.39	23.34	37.06	26.86	36.76	30.17	36.50	33.69	36.29	37.22	36.06	40.58	35.84	44.10	35.65	47.57	35.40	51.21	1620
		1730	40.67	18.72	40.29	22.19	39.94	26.00	39.60	29.91	39.31	33.50	39.04	37.30	38.82	41.00	38.59	44.80	38.38	48.55	38.18	52.19	37.94	56.22	1730
SSR 200	200A	810	31.77	8.05	31.19	11.28	30.52	14.65	29.98	17.60	29.55	20.68	29.21	23.83	28.89	26.94	28.57	29.99	28.22	33.16	27.91	36.05	27.63	39.05	810
		900	35.68	9.95	35.05	13.48	34.49	17.00	34.04	20.44	33.66	24.00	33.36	27.53	33.05	30.93	32.73	34.40	32.34	37.83	32.03	41.02	31.71	44.38	900
		980	39.15	11.58	38.53	15.50	38.08	19.38	37.66	22.93	37.34	27.18	37.05	30.78	36.77	34.55	36.41	38.23	36.03	42.02	35.68	45.52	35.34	49.38	980
		1070	43.03	13.46	42.50	17.81	42.04	21.24	41.68	25.82	41.44	30.13	41.17	34.43	40.97	38.68	40.56	42.85	40.15	46.82	39.77	50.71	39.42	54.95	1070
		1150	46.50	15.18	46.04	19.95	45.55	23.71	45.31	28.13	45.07	32.71	44.85	37.26	44.60	42.02	44.21	46.62	43.78	50.98	43.42	55.09	43.06	59.74	1150
		1230	49.60	17.09	49.46	21.94	48.74	26.43	48.45	31.28	48.22	36.26	48.00	41.25	47.78	46.08	47.49	50.78	47.08	55.53	46.76	59.83	46.44	64.80	1230
		1310	52.67	19.65	52.22	24.34	51.86	29.20	51.57	34.28	51.38	39.66	51.18	44.88	50.99	50.18	50.69	55.09	50.40	59.98	50.10	64.53	49.83	69.72	1310
		1390	55.77	21.31	54.31	26.64	54.96	31.88	54.72	37.46	54.49	42.92	54.35	48.52	54.16	54.22	53.91	59.28	53.68	64.48	53.49	69.16	53.24	74.60	1390
		1480	59.20	23.80	58.83	28.96	58.48	34.37	58.24	40.42	58.02	46.58	57.89	52.36	57.76	58.19	57.57	63.52	57.37	68.98	57.22	74.22	57.08	80.18	1480

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