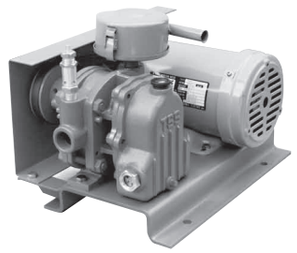
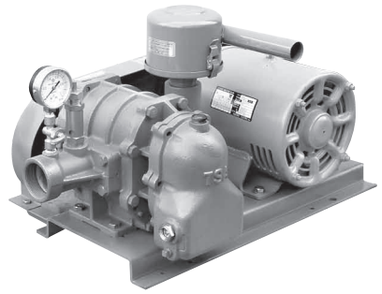
RS SERIES

TSURUMI PUMP

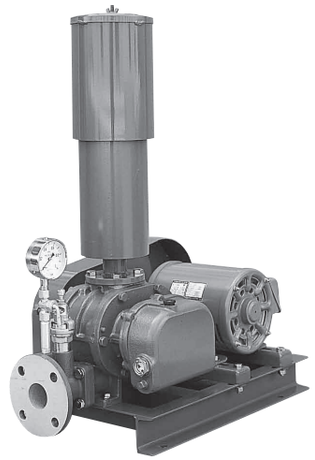
The RS-series is a rotary air blower with a three-blade rotor. A highly well-balanced rotor and innovative helical outlet port minimizes violent impact and pulsation noise. It is applicable to a wide variety of applications.



RSS
(Discharge Bore 20, 25, 32mm)



RSA
(Discharge Bore 40, 50, 65mm)



RSR
(Discharge Bore 50, 65, 80, 100, 125, 150mm)

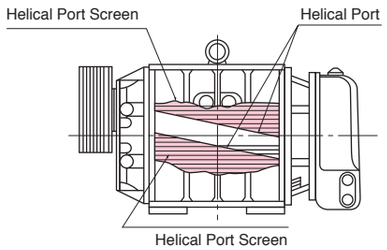
■Applications

- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

■Structural Features

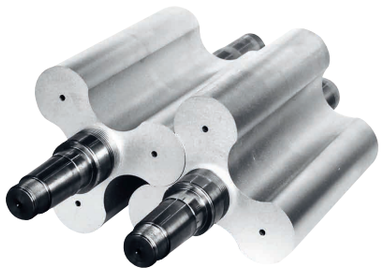
● Innovative Helical Intake / Outlet

Conventional blowers were designed to discharge the air from the casing in a gust. This caused violent impact and pulsation and resultant noise.
Tsurumi blowers have helical structure at the intake and the outlet. This makes the air virtually pass through a gradually closing suction port or gradually opening discharge port. The result is remarkably reduced pulsation noise.

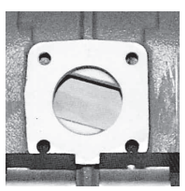


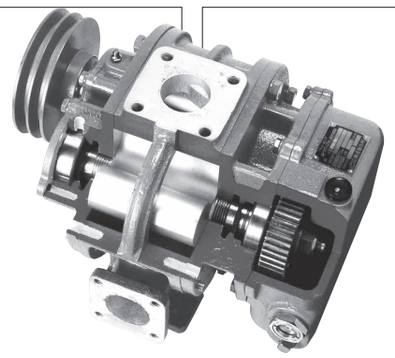
● Special Silencer and 3-lobe Rotor

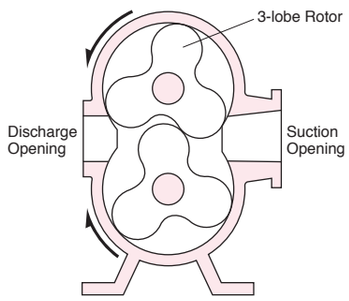
A specially prepared silencer absorbs a broad range of noise frequencies from low to high. The air flow rate and pressure characteristics have been greatly upgraded by the adoption of a 3-lobe rotor with each blade deliberately displaced as to thrust direction to avoid mutual contact.



Helical Port — **Rotor**

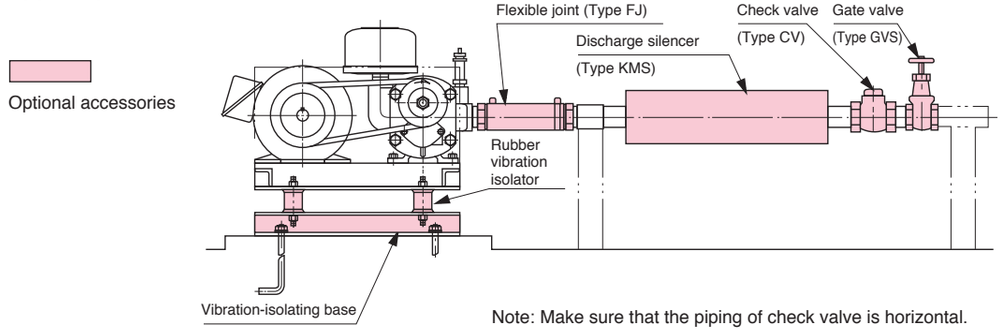






■Reference Drawing for Piping (example)

RSS · RSA



Note: Make sure that the piping of check valve is horizontal.

HOW TO USE THE PERFORMANCE TABLE

■Information about 50/60Hz Standard Specification Tables

These tables indicate the relationships among blower models, bores, rpm, discharge pressure, actual air flow rates, and shaft power.

1. The amounts of air indicated in the tables represent suction amounts under the following standard suction conditions: temperature, 20℃; absolute pressure, 101.3kPa {1.033kgf / cm^2}, relative humidity, 65%.
2. The amounts of air under reference suction conditions (temperature, 0℃; absolute pressure, 101.3kPa {1.033kgf / cm^2})can be converted into the amounts of air under the standard suction conditions by the formula below if the suction pressures are the same:

$$Qs = Qn \times \frac{273 + ts}{273}$$

where
Qs, amount of air (m^3 / min) under standard suction conditions indicated on Standard Specification Tables;
Qn,amount of air (m^3 / min) under reference suction conditions;
Suction pressure is ambient pressure, 101.3kPa; ts, suction temperature in ℃.

3. To convert the amounts of air under discharge conditions into the amounts of air under the standard suction conditions indicated on the Standard Specification Tables, use the following formula:

$$Qs = Qd \times \frac{101.3 + Pd}{101.3} \times \frac{273 + ts}{273 + td}$$

where
Qd, amount of air (m^3 / min) under discharge conditions;
Pd, discharge pressure (kPa);
ts, suction temperature in ℃;
td, discharge temperature in ℃.

4. Using the amount of air and the necessary discharge pressure obatained from the above mathematics, determine your blower model, bore, rpm, and shaft power in reference to a Standard Specification Table.
5. Your selectable range can be overlapped over several models. It is recommended that the one with a younger model number for cost economy, or with a larger model number for lower noise, be selected.
6. Motor output is identified by color on the Standard Specification Tables. Select a suitable color motor from these tables.

RSS ▶

RSS

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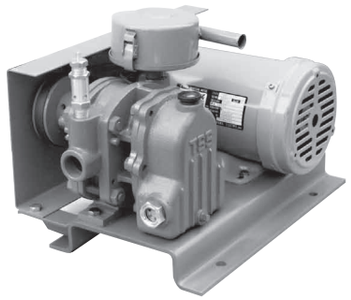
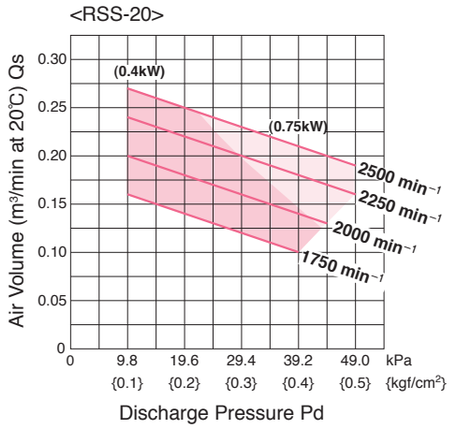
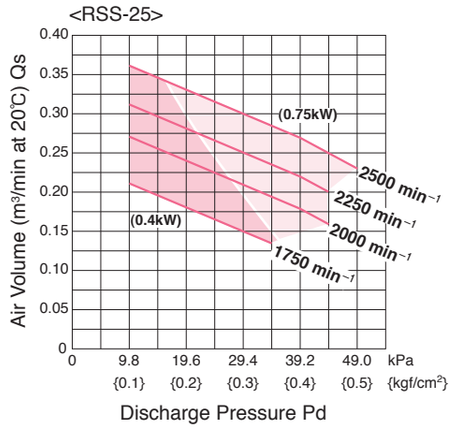


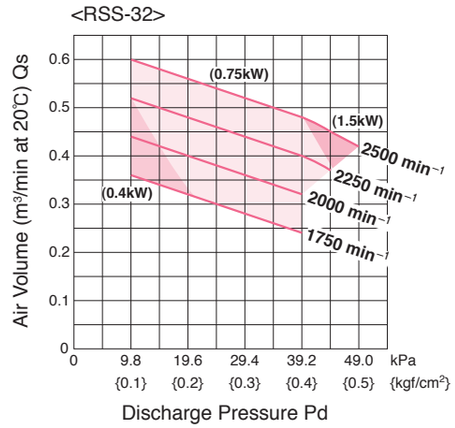
Applications

- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

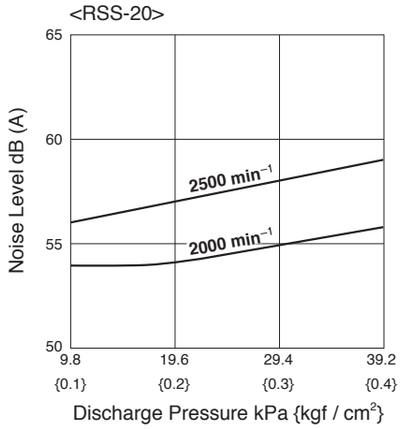
Performance Curves

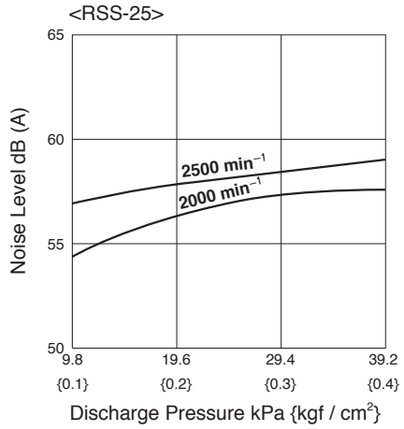


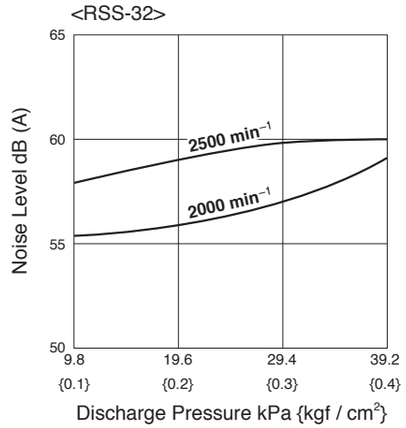




Noise Level (1.0m on machine side)







Major Standard Specifications

Discharge Bore mm			20	25	32	
Treating Fluid	Type of Fluid		Air			
	Fluid Temperature		0 to 40℃			
Blower	Structure	Rotor	3-lode Helical Port			
		Shaft Seal	Labyrinth			
		Bearing	Ball Bearing			
	Materials	Rotor	Gray Iron Casting			
		Casing	Gray Iron Casting			
		Shaft	Carbon Steel			
Motor	Type, Pole		Drip-proof Motor			
			4-pole			
	Class of Insulation		Class E			
	Phase		Single-phase (0.4kW only) Three-phase			
Discharge Connection			Screw (ISO Rc-type)			

Standard Specifications

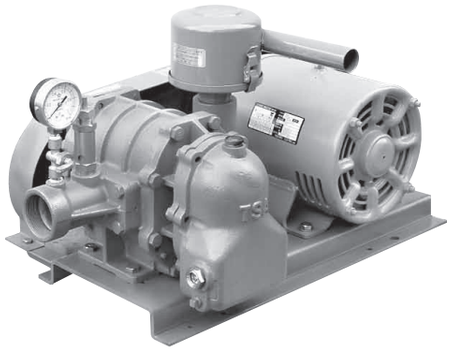
Model (Discharge bore mm)	Revolutions (min⁻¹)	Suction air volume at 20℃ (Qs, m³/min) and required power (La, kW)									
		9.8kPa {0.1kgf/cm²}		19.6kPa {0.2kgf/cm²}		29.4kPa {0.3kgf/cm²}		39.2kPa {0.4kgf/cm²}		49.0kPa {0.5kgf/cm²}	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RSS-20 (20)	1750	0.16	0.20	0.14	0.24	0.12	0.28	0.10	0.32	—	—
	2000	0.20	0.23	0.18	0.27	0.16	0.31	0.14	0.35	—	—
	2250	0.24	0.26	0.22	0.31	0.20	0.35	0.18	0.40	0.16	0.46
	2500	0.27	0.29	0.25	0.34	0.23	0.39	0.21	0.44	0.19	0.50
Corresponding motor output		0.4kW				0.75kW					
RSS-25 (25)	1750	0.21	0.23	0.18	0.27	0.15	0.32	—	—	—	—
	2000	0.27	0.26	0.24	0.31	0.21	0.37	0.18	0.43	—	—
	2250	0.31	0.30	0.28	0.35	0.25	0.42	0.22	0.49	—	—
	2500	0.36	0.33	0.33	0.39	0.30	0.46	0.27	0.54	0.23	0.62
Corresponding motor output		0.4kW				0.75kW					
RSS-32 (32)	1750	0.36	0.27	0.32	0.34	0.28	0.42	0.24	0.50	—	—
	2000	0.44	0.31	0.40	0.39	0.36	0.48	0.32	0.57	—	—
	2250	0.52	0.35	0.48	0.44	0.44	0.54	0.40	0.64	—	—
	2500	0.60	0.39	0.56	0.49	0.52	0.60	0.48	0.71	0.42	0.86
Corresponding motor output		0.4kW				0.75kW				1.5kW	

Standard Accessories

- Common Base
- Suction Silencer (with Air Filter)
- Safety Valve
- Foundation Bolts (with Nuts)

RSA

TSURUMI PUMP



Applications

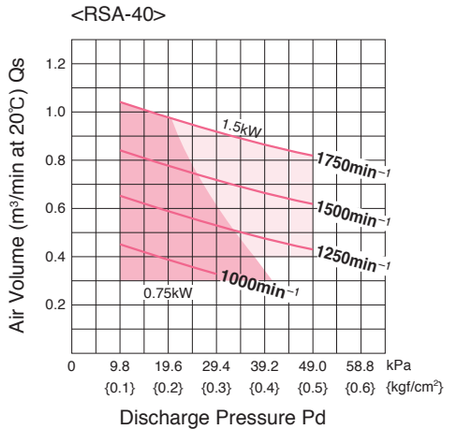
- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

Major Standard Specifications

Discharge Bore mm			40	50	65	
Treating Fluid	Type of Fluid		Air			
	Fluid Temperature		0 to 40℃			
Blower	Structure	Rotor	3-lode Helical Port			
		Shaft Seal	Labyrinth			
		Bearing	Ball Bearing			
	Materials	Rotor	Gray Iron Casting			
		Casing	Gray Iron Casting			
		Shaft	Carbon Steel			
Motor	Type, Pole		Drip-proof Motor			
			4-pole			
	Class of Insulation		Class E			
	Phase		Three-phase			
Discharge Connection			Screw (ISO Rc-type)			

Performance Curves

<RSA-40>



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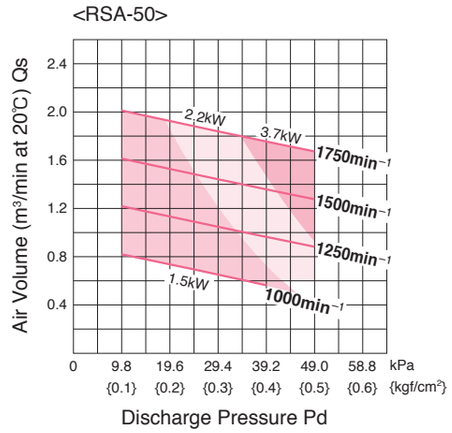

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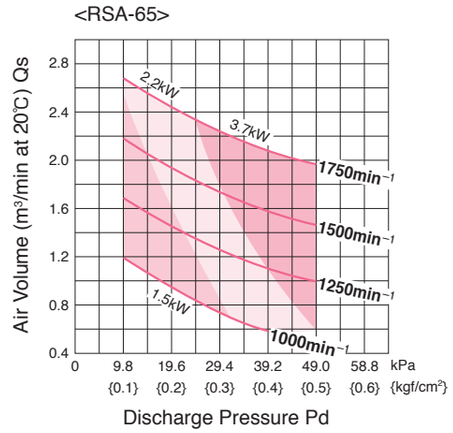

Noise Level (1.0m on machine side)

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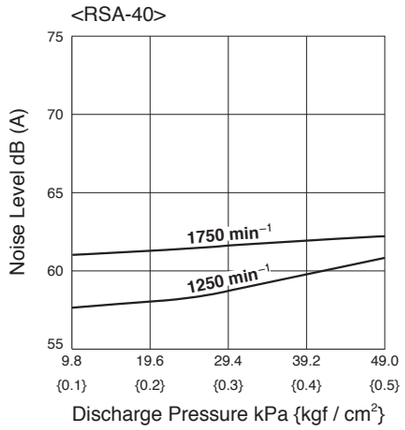

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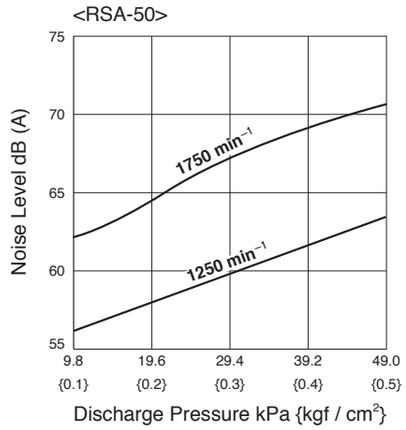

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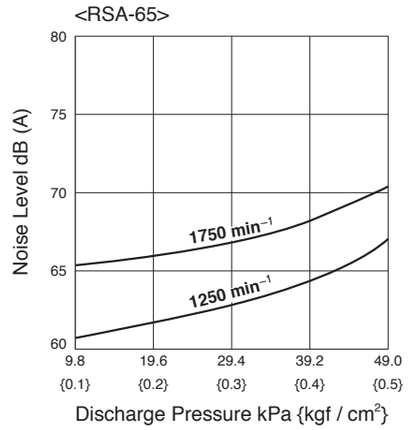


Standard Specifications

Model (Discharge bore mm)	Revolutions (min⁻¹)	Suction air volume at 20℃ (Qs, m³/min) and required power (La, kW)									
		9.8kPa {0.1kgf/cm²}		19.6kPa {0.2kgf/cm²}		29.4kPa {0.3kgf/cm²}		39.2kPa {0.4kgf/cm²}		49.0kPa {0.5kgf/cm²}	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RSA-40 (40)	1000	0.45	0.32	0.39	0.40	0.33	0.52	—	—	—	—
	1250	0.65	0.40	0.59	0.50	0.53	0.65	0.48	0.80	0.43	0.99
	1500	0.84	0.48	0.78	0.60	0.72	0.78	0.67	0.96	0.62	1.18
	1750	1.04	0.56	0.98	0.70	0.92	0.91	0.87	1.11	0.82	1.38
Corresponding motor output		0.75kW				1.5kW					
RSA-50 (50)	1000	0.82	0.64	0.73	0.80	0.65	1.04	0.57	1.28	—	—
	1250	1.22	0.80	1.13	1.00	1.05	1.30	0.97	1.60	0.89	1.97
	1500	1.61	0.96	1.52	1.20	1.44	1.56	1.36	1.92	1.28	2.36
	1750	2.01	1.12	1.92	1.40	1.84	1.82	1.76	2.22	1.68	2.76
Corresponding motor output		1.5kW				2.2kW				3.7kW	
RSA-65 (65)	1000	1.19	0.80	0.94	1.00	0.75	1.30	0.59	1.60	—	—
	1250	1.69	1.00	1.45	1.25	1.26	1.63	1.10	2.00	0.99	2.45
	1500	2.18	1.20	1.93	1.50	1.74	1.95	1.58	2.40	1.47	2.95
	1750	2.68	1.40	2.43	1.75	2.24	2.28	2.08	2.78	1.97	3.45
Corresponding motor output		1.5kW				2.2kW				3.7kW	

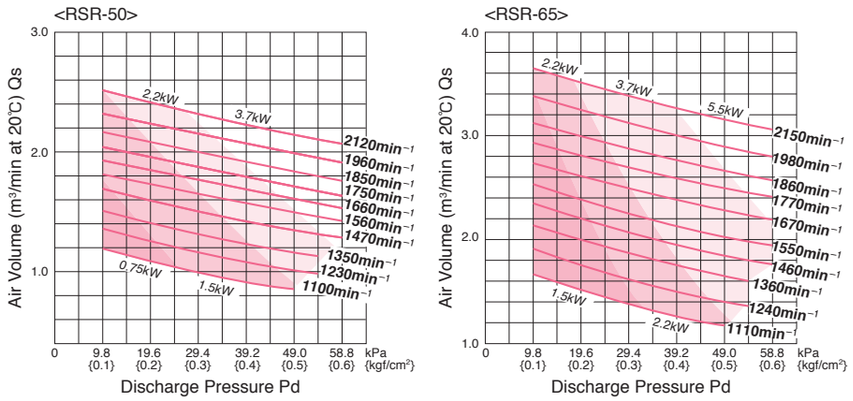
Standard Accessories

- Common Base
- Suction Silencer (with Air Filter)
- Safety Valve
- Pressure Gauge
- Foundation Bolts (with Nuts)

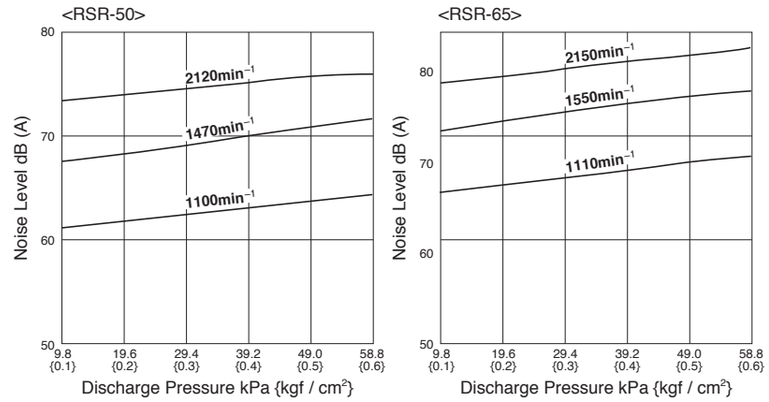
RSR 50 • 65mm

TSURUMI PUMP

Performance Curves



Noise Level (1.0m on machine side)



Applications

- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

Major Standard Specifications

Discharge Bore mm			50	65
Treating Fluid	Type of Fluid		Air	
	Fluid Temperature		0 to 40℃	
Blower	Structure	Rotor	3-lode Helical Port	
		Shaft Seal	Labyrinth	
		Bearing	Ball Bearing	
	Materials	Rotor	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft	Carbon Steel	
Motor	Type, Pole		Drip-proof Motor	
			4-pole	
	Class of Insulation		Class E	
	Phase		Three-phase	
Discharge Connection			JIS 10K Flange	

Standard Accessories

- Common Base
- Suction Silencer (with Air Filter)
- Safety Valve
- Pressure Gauge
- Foundation Bolts (with Nuts)

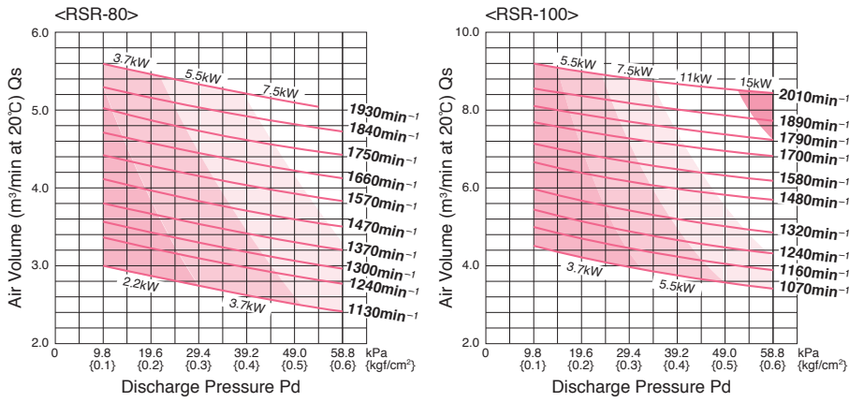
Standard Specifications

Model (Discharge bore mm)	Revolutions (min⁻¹)	Suction air volume at 20℃ (Qs, m³/min) and required power (La, kW)																					
		9.8kPa {0.10kgf/cm²}		14.7kPa {0.15kgf/cm²}		19.6kPa {0.20kgf/cm²}		24.5kPa {0.25kgf/cm²}		29.4kPa {0.30kgf/cm²}		34.3kPa {0.35kgf/cm²}		39.2kPa {0.40kgf/cm²}		44.1kPa {0.45kgf/cm²}		49.0kPa {0.50kgf/cm²}		53.9kPa {0.55kgf/cm²}		58.8kPa {0.60kgf/cm²}	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RSR-50 (50)	1100	1.19	0.26	1.13	0.40	1.08	0.54	1.03	0.68	0.99	0.82	0.95	0.96	0.92	1.10	0.89	1.24	0.86	1.38	–	–	–	–
	1230	1.36	0.36	1.30	0.51	1.25	0.66	1.20	0.81	1.16	0.96	1.12	1.11	1.08	1.26	1.05	1.41	1.02	1.56	0.99	1.71	–	–
	1350	1.51	0.47	1.46	0.63	1.41	0.79	1.36	0.95	1.32	1.11	1.28	1.27	1.24	1.43	1.20	1.59	1.17	1.75	1.13	1.91	–	–
	1470	1.68	0.63	1.63	0.79	1.59	0.95	1.54	1.11	1.50	1.28	1.46	1.44	1.43	1.60	1.39	1.76	1.35	1.93	1.32	2.09	1.29	2.26
	1560	1.81	0.75	1.77	0.91	1.73	1.08	1.69	1.24	1.65	1.41	1.61	1.57	1.58	1.74	1.54	1.90	1.50	2.07	1.47	2.23	1.43	2.40
	1660	1.93	0.80	1.89	0.98	1.85	1.16	1.81	1.33	1.77	1.51	1.73	1.69	1.69	1.87	1.65	2.05	1.61	2.23	1.58	2.40	1.54	2.58
	1750	2.04	0.85	2.00	1.04	1.96	1.23	1.92	1.42	1.88	1.61	1.84	1.80	1.80	1.99	1.76	2.18	1.72	2.37	1.68	2.56	1.64	2.75
	1850	2.17	0.99	2.13	1.18	2.09	1.37	2.05	1.57	2.01	1.76	1.97	1.95	1.93	2.14	1.89	2.34	1.85	2.53	1.81	2.71	1.77	2.91
	1960	2.32	1.14	2.28	1.34	2.24	1.53	2.20	1.73	2.16	1.92	2.12	2.12	2.08	2.31	2.04	2.51	2.00	2.70	1.96	2.90	1.92	3.09
	2120	2.52	1.41	2.47	1.62	2.42	1.82	2.38	2.03	2.33	2.23	2.29	2.44	2.24	2.64	2.20	2.85	2.16	3.05	2.12	3.26	2.08	3.46
Corresponding motor output		0.75kW				1.5kW						2.2kW						3.7kW					
RSR-65 (65)	1110	1.67	0.63	1.58	0.80	1.50	0.97	1.43	1.14	1.37	1.31	1.32	1.48	1.27	1.65	1.22	1.82	1.17	1.99	–	–	–	–
	1240	1.91	0.70	1.84	0.89	1.76	1.08	1.68	1.27	1.62	1.46	1.56	1.65	1.51	1.84	1.46	2.03	1.41	2.22	1.36	2.41	–	–
	1360	2.14	0.80	2.07	1.01	2.00	1.22	1.93	1.43	1.87	1.64	1.81	1.85	1.76	2.06	1.70	2.27	1.65	2.48	1.60	2.69	–	–
	1460	2.35	0.88	2.27	1.11	2.20	1.33	2.13	1.55	2.07	1.78	2.01	2.00	1.96	2.22	1.90	2.45	1.85	2.67	1.80	2.90	1.76	3.13
	1550	2.54	0.96	2.46	1.20	2.39	1.43	2.32	1.67	2.25	1.90	2.19	2.14	2.14	2.37	2.08	2.61	2.03	2.84	1.98	3.08	1.94	3.31
	1670	2.75	1.05	2.68	1.31	2.62	1.56	2.56	1.82	2.49	2.07	2.43	2.33	2.38	2.58	2.33	2.83	2.28	3.08	2.23	3.34	2.19	3.59
	1770	2.94	1.13	2.88	1.40	2.82	1.67	2.76	1.94	2.70	2.21	2.64	2.48	2.59	2.75	2.54	3.02	2.49	3.29	2.45	3.56	2.41	3.83
	1860	3.13	1.24	3.07	1.52	3.00	1.80	2.94	2.08	2.88	2.36	2.82	2.65	2.76	2.93	2.71	3.22	2.66	3.50	2.61	3.78	2.57	4.07
	1980	3.39	1.38	3.32	1.68	3.25	1.98	3.18	2.28	3.12	2.57	3.06	2.87	3.00	3.18	2.94	3.48	2.89	3.78	2.84	4.08	2.80	4.38
	2150	3.65	1.60	3.58	1.93	3.52	2.25	3.46	2.58	3.40	2.90	3.34	3.23	3.28	3.55	3.22	3.88	3.17	4.20	3.12	4.53	3.08	4.85
Corresponding motor output		1.5kW						2.2kW				3.7kW						5.5kW					

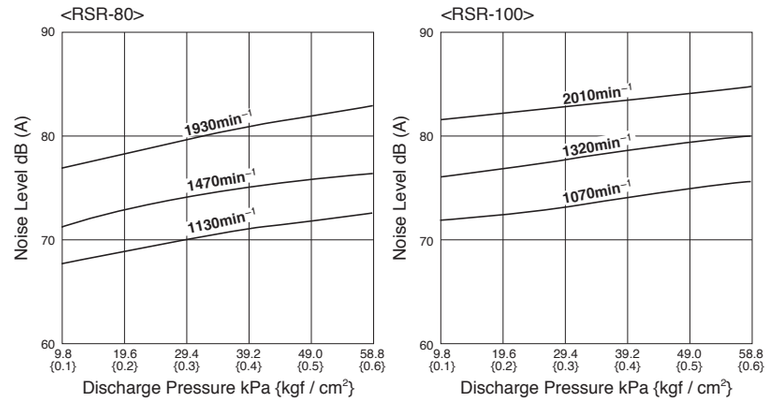
RSR 80 • 100mm

TSURUMI PUMP

■Performance Curves



■Noise Level (1.0m on machine side)



■Applications

- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

■Major Standard Specifications

Discharge Bore mm			80	100
Treating Fluid	Type of Fluid		Air	
	Fluid Temperature		0 to 40℃	
Blower	Structure	Rotor	3-lode Helical Port	
		Shaft Seal	Labyrinth	
		Bearing	Ball Bearing	
	Materials	Rotor	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft	Carbon Steel	
Motor	Type, Pole		Drip-proof Motor	
			4-pole	
	Class of Insulation		Class E	
	Phase		Three-phase	
Discharge Connection			JIS 10K Flange	

■Standard Accessories

- Common Base
- Suction Silencer (with Air Filter)
- Safety Valve
- Pressure Gauge
- Foundation Bolts (with Nuts)

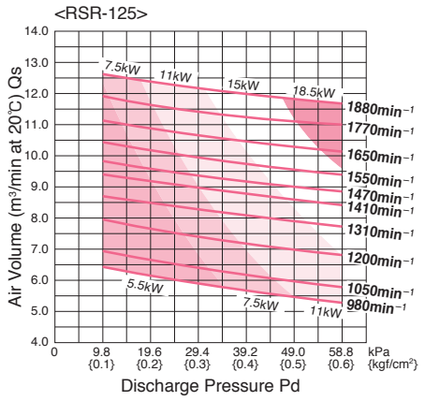
■Standard Specifications

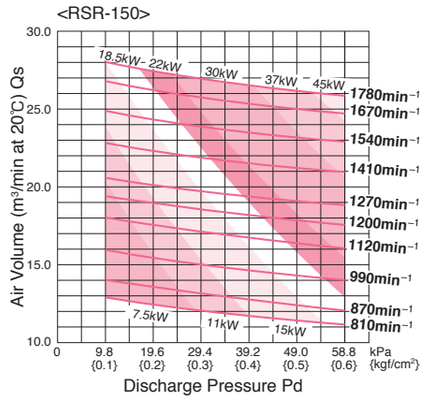
Model (Discharge bore mm)	Revolutions (min⁻¹)	Suction air volume at 20℃ (Qs, m³/min) and required power (La, kW)																					
		9.8kPa {0.10kgf/cm²}		14.7kPa {0.15kgf/cm²}		19.6kPa {0.20kgf/cm²}		24.5kPa {0.25kgf/cm²}		29.4kPa {0.30kgf/cm²}		34.3kPa {0.35kgf/cm²}		39.2kPa {0.40kgf/cm²}		44.1kPa {0.45kgf/cm²}		49.0kPa {0.50kgf/cm²}		53.9kPa {0.55kgf/cm²}		58.8kPa {0.60kgf/cm²}	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RSR-80 (80)	1130	2.99	0.77	2.93	1.10	2.86	1.43	2.80	1.76	2.73	2.09	2.67	2.42	2.61	2.75	2.55	3.08	2.50	3.41	2.45	3.74	2.41	4.07
	1240	3.36	0.89	3.29	1.28	3.22	1.63	3.16	1.99	3.09	2.34	3.03	2.70	2.97	3.05	2.92	3.41	2.86	3.76	2.81	4.12	2.76	4.47
	1300	3.56	1.03	3.49	1.40	3.42	1.77	3.36	2.14	3.29	2.50	3.23	2.88	3.17	3.24	3.12	3.62	3.06	3.98	3.01	4.35	2.96	4.72
	1370	3.80	1.16	3.74	1.55	3.67	1.93	3.60	2.32	3.53	2.70	3.47	3.09	3.41	3.47	3.36	3.86	3.30	4.24	3.25	4.63	3.20	5.01
	1470	4.12	1.30	4.04	1.72	3.97	2.13	3.90	2.55	3.83	2.96	3.77	3.38	3.71	3.79	3.66	4.21	3.60	4.62	3.55	5.04	3.50	5.45
	1570	4.42	1.51	4.35	1.94	4.28	2.37	4.22	2.80	4.15	3.23	4.10	3.66	4.04	4.09	3.99	4.52	3.93	4.95	3.89	5.38	3.84	5.81
	1660	4.72	1.69	4.65	2.14	4.58	2.59	4.52	3.04	4.45	3.49	4.40	3.94	4.34	4.39	4.29	4.84	4.23	5.29	4.18	5.74	4.13	6.19
	1750	5.04	1.90	4.96	2.36	4.88	2.82	4.81	3.28	4.74	3.74	4.69	4.20	4.63	4.66	4.58	5.12	4.52	5.58	4.48	6.04	4.44	6.50
	1840	5.31	2.07	5.24	2.56	5.17	3.05	5.11	3.54	5.07	4.03	4.99	4.52	4.93	5.01	4.88	5.50	4.82	5.99	4.78	6.48	4.73	6.97
	1930	5.61	2.27	5.54	2.78	5.46	3.29	5.40	3.80	5.33	4.31	5.28	4.82	5.22	5.33	5.17	5.84	5.11	6.35	5.06	6.86	—	—
Corresponding motor output		2.2kW				3.7kW						5.5kW						7.5kW					
RSR-100 (100)	1070	4.51	1.20	4.37	1.70	4.22	2.20	4.09	2.70	3.96	3.20	3.83	3.70	3.75	4.20	3.67	4.70	3.58	5.20	3.50	5.70	3.42	6.20
	1160	5.00	1.42	4.85	1.95	4.69	2.49	4.56	3.03	4.43	3.56	4.33	4.10	4.23	4.64	4.15	5.17	4.06	5.71	3.98	6.25	3.90	6.78
	1240	5.45	1.56	5.29	2.13	5.12	2.70	4.99	3.27	4.86	3.84	4.76	4.41	4.66	4.98	4.57	5.55	4.48	6.12	4.40	6.69	4.32	7.26
	1320	5.97	1.64	5.82	2.27	5.66	2.89	5.54	3.52	5.41	4.14	5.31	4.77	5.21	5.39	5.12	6.02	5.02	6.64	4.94	7.27	4.86	7.89
	1480	6.67	1.77	6.53	2.47	6.39	3.13	6.28	3.86	6.17	4.49	6.08	5.25	5.99	5.85	5.92	6.64	5.84	7.21	5.77	8.03	5.70	8.57
	1580	7.14	1.92	7.01	2.66	6.88	3.37	6.77	4.13	6.66	4.83	6.58	5.60	6.49	6.28	6.42	7.07	6.34	7.74	6.27	8.54	6.20	9.19
	1700	7.71	2.09	7.59	2.88	7.47	3.66	7.37	4.45	7.26	5.23	7.19	6.02	7.11	6.80	7.03	7.59	6.94	8.37	6.88	9.16	6.82	9.93
	1790	8.12	2.24	8.01	3.12	7.90	3.89	7.80	4.71	7.70	5.53	7.63	6.36	7.55	7.13	7.48	8.00	7.40	8.82	7.33	9.65	7.26	10.46
	1890	8.58	2.41	8.48	3.28	8.38	4.14	8.29	5.01	8.19	5.87	8.12	6.74	8.05	7.60	7.98	8.47	7.90	9.33	7.83	10.20	7.76	11.06
	2010	9.19	2.56	9.09	3.49	9.00	4.41	8.91	5.34	8.82	6.26	8.76	7.19	8.70	8.11	8.64	9.04	8.58	9.96	8.53	10.89	8.47	11.81
Corresponding motor output		3.7kW				5.5kW				7.5kW					11kW					15kW			

RSR 125 • 150mm

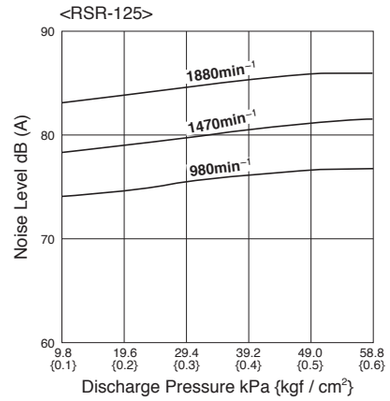
TSURUMI PUMP

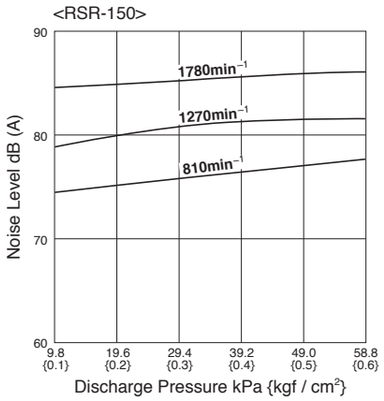
Performance Curves





Noise Level (1.0m on machine side)





Applications

- Supplying oxygen to wastewater in aeration tank
- Supplying oxygen in aquaculture

Major Standard Specifications

Discharge Bore		mm	125	150
Treating Fluid	Type of Fluid		Air	
	Fluid Temperature		0 to 40℃	
Blower	Structure	Rotor	3-lode Helical Port	
		Shaft Seal	Labyrinth	
		Bearing	Ball Bearing	
	Materials	Rotor	Gray Iron Casting	
		Casing	Gray Iron Casting	
		Shaft	Carbon Steel	
Motor	Type, Pole		Drip-proof Motor	
			4-pole	
	Class of Insulation		Class E	
	Phase		Three-phase	
Discharge Connection			JIS 10K Flange	

Standard Accessories

- Common Base
- Suction Silencer (with Air Filter)
- Safety Valve
- Pressure Gauge
- Foundation Bolts (with Nuts)

Standard Specifications

Model (Discharge bore mm)	Revolutions (min⁻¹)	Suction air volume at 20℃ (Qs, m³/min) and required power (La, kW)																					
		9.8kPa {0.10kgf/cm²}		14.7kPa {0.15kgf/cm²}		19.6kPa {0.20kgf/cm²}		24.5kPa {0.25kgf/cm²}		29.4kPa {0.30kgf/cm²}		34.3kPa {0.35kgf/cm²}		39.2kPa {0.40kgf/cm²}		44.1kPa {0.45kgf/cm²}		49.0kPa {0.50kgf/cm²}		53.9kPa {0.55kgf/cm²}		58.8kPa {0.60kgf/cm²}	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
RSR-125 (125)	980	6.41	1.80	6.26	2.46	6.12	3.12	5.98	3.78	5.86	4.44	5.74	5.10	5.63	5.76	5.52	6.42	5.43	7.08	5.34	7.74	5.26	8.40
	1050	6.93	2.10	6.77	2.79	6.63	3.48	6.50	4.17	6.37	4.86	6.25	5.55	6.14	6.24	6.04	6.93	5.94	7.62	5.86	8.31	5.78	9.00
	1200	7.94	2.70	7.79	3.48	7.65	4.25	7.53	5.03	7.40	5.80	7.29	6.58	7.18	7.35	7.07	8.13	6.98	8.90	6.89	9.68	6.81	10.45
	1310	8.70	3.10	8.58	3.95	8.47	4.80	8.37	5.65	8.27	6.50	8.17	7.35	8.07	8.20	7.98	9.05	7.89	9.90	7.81	10.75	7.73	11.60
	1410	9.40	3.39	9.28	4.31	9.17	5.22	9.06	6.13	8.96	7.04	8.86	7.95	8.76	8.86	8.67	9.77	8.58	10.68	8.50	11.59	8.42	12.50
	1470	9.83	3.69	9.71	4.64	9.60	5.59	9.50	6.53	9.40	7.48	9.30	8.42	9.21	9.36	9.12	10.31	9.03	11.25	8.95	12.19	8.88	13.14
	1550	10.44	3.90	10.31	4.90	10.19	5.90	10.07	6.90	9.96	7.90	9.86	8.90	9.76	9.90	9.67	10.90	9.58	11.90	9.50	12.90	9.43	13.90
	1650	11.13	4.40	11.00	5.48	10.87	6.56	10.76	7.64	10.65	8.72	10.55	9.80	10.45	10.88	10.36	11.96	10.28	13.04	10.20	14.12	10.14	15.20
	1770	11.92	4.90	11.79	6.02	11.68	7.14	11.57	8.26	11.47	9.38	11.37	10.50	11.28	11.62	11.20	12.74	11.13	13.86	11.06	14.98	11.00	16.10
	1880	12.63	5.40	12.50	6.58	12.39	7.76	12.28	8.94	12.18	10.12	12.08	11.30	11.99	12.48	11.91	13.66	11.83	14.84	11.76	16.02	11.70	17.20
Corresponding motor output		5.5kW		7.5kW				11kW						15kW						18.5kW			
RSR-150 (150)	810	12.90	2.91	12.65	3.75	12.42	4.59	12.21	5.54	12.02	7.50	11.85	8.89	11.69	10.27	11.53	11.60	11.38	12.93	11.25	14.06	11.14	15.19
	870	14.13	3.13	13.84	4.51	13.58	5.90	13.33	7.12	13.10	8.67	12.89	10.05	12.69	11.43	12.51	12.82	12.34	14.20	12.19	15.59	12.05	16.97
	990	15.92	3.34	15.67	4.90	15.44	6.46	15.22	8.02	15.01	9.58	14.81	11.14	14.63	12.70	14.46	14.26	14.30	15.82	14.15	17.38	14.02	18.94
	1120	18.03	5.38	17.77	7.10	17.53	8.81	17.30	10.53	17.08	12.24	16.87	13.96	16.68	15.67	16.50	17.39	16.33	19.10	16.17	20.82	16.03	22.53
	1200	19.39	6.32	19.14	8.06	18.91	9.80	18.69	11.53	18.49	13.27	18.29	15.01	18.12	16.75	17.95	18.49	17.79	20.23	17.65	21.97	17.52	23.71
	1270	20.58	7.14	20.35	8.90	20.13	10.66	19.92	12.42	19.73	14.18	19.55	15.94	19.38	17.70	19.22	19.46	19.08	21.22	18.95	22.98	18.83	24.74
	1410	22.81	9.01	22.57	11.01	22.35	13.01	22.14	15.01	21.94	17.01	21.75	19.01	21.58	21.01	21.42	23.01	21.27	25.01	21.13	27.01	21.01	29.01
	1540	24.89	10.99	24.63	13.11	24.40	15.23	24.17	17.35	23.95	19.47	23.75	21.59	23.56	23.71	23.39	25.83	23.22	27.95	23.08	30.07	22.94	32.19
	1670	26.84	12.71	26.57	14.96	26.32	17.21	26.08	19.46	25.85	21.71	25.63	23.96	25.43	26.21	25.24	28.46	25.06	30.71	24.91	32.96	24.76	35.21
	1780	28.06	14.19	27.79	16.61	27.53	19.02	27.28	21.44	27.05	23.85	26.83	26.27	26.62	28.68	26.42	31.10	26.24	33.51	26.07	35.93	25.91	38.34
Corresponding motor output		7.5kW		11kW				15kW				18.5kW			22kW			30kW			37kW		45kW	

◀ RSR 80 • 100mm