

# SSR

THE ORIGINAL SSR 3 LOBE  
ROOTS TYPE BLOWERS




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**STRUCTURE**


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	<ul style="list-style-type: none"> <li>• ISO9001 certified</li> </ul>
Date of Establishment	Established at present location in April, 1956
Company Objectives	Design, production and sale of blowers, pumps, vacuum pump and environment protection devices
Capital	SUS 552,010
Number of Employees	379 persons
Area	Head Office and Factory 72,788m <sup>2</sup> Building 26,583m <sup>2</sup> Second Factory 24,761 m <sup>2</sup> Building 10,577m <sup>2</sup>
Members	The Ship Machinery Manufacturer's Association of Japan Japan Ship Machinery Export Association Japan Ship Machinery Quality Control Association Japan Marine Machinery Development Association
Company Banks	Momiji Bank, Tokuyama Branch/Hiroshima Bank, Yanai Branch/Yamaguchi Bank, Yanai Branch/ Bank of Tokyo-Mitsubishi UFJ, Tokuyama Branch/ Mizuho Bank, Limited, Tokuyama Branch




# I N T R O D U C T I O N



A painter creates an artwork on a canvas using his brush, paint and special talent, Similarly, TAIKO innovates from scratch in the pump manufacturing industry, our "canvas" with water, oil and air serving as our "artist's utensils." We aim to contribute to the world's development through our innovative technologies as a fluid handling equipment manufacturer, and to continue growing as a humane company with progressive vision.



TAIKO was established in Tabuse town, Yamaguchi Prefecture, Japan, in April 1956 as the first factory to have taken up proposals to invest in the town to vitalize the local economy. Since then, we have devoted our efforts to developing new, and improving existing technologies to meet the diversified needs of the industry and our customers. Our expertise and unique technological know-how in the pump manufacturing field is the fruit of such endeavors. We are developing projects focusing on the following themes: 'from oil to water, water to air, air to vacuum.' Currently, we are producing a screw dry vacuum pump which is able to treat sealed liquid waste through a process of inverse diffusion in order to solve environmental problems. This vacuum pump works to preserve the environment in a number of ways. It uses a process to produce thin film solar batteries which creates clean energy; it is used in PCB (Polychlorinated biphenyl) waste treatment facilities; and, it is used as a withdrawal device for VOC (Volatile organic compound) gas. We have many more productions which also help to preserve the environment. These include the following: aeration blower for water treatment, oxidation blower for flue gas desulfurization, one screw pump for transferring slurry and sludge, Sewage Treatment Device and 15ppm Bilge Separator to prevent marine pollution. Preserving the environment is our company's mission. We encourage our workers also to improve their own individual sense of environmental issues and to develop new products that include protecting the environment.





# QUALITY POLICY

In order to obtain customer satisfaction, we continuously improve the quality management system and assure its effectiveness to provide high quality products and services that meet customer needs.

## CERTIFICATIONS

### [General]

ISO 9001 Certification from Nippon Kaiji Kyokai (Class NK)

1999 ISO 9001: 1994

JISZ 9901: 1998 Certified (Vacuum Pumps)

2000 ISO 9001 Certified in design, development, production and related services of Pumps, Blowers, Vacuum Pumps, Oily Water Separator, Sewage

Treatment Device and Sludge Agitators.

2003 ISO 9001: 2000

JISQ 9001: 2000 transferred

- JG (Ministry of Land, Infrastructure, Transport and Tourism)

1974: Received type approval of pump production business.

- NK (Nippon Kaiji Kyokai 'Class NK')

1997: Received type approval of marine pump production business.

- NK (Nippon Kaiji Kyokai 'Class NK')

1997: Received type approval of mass production machines by NK.

- ABS (American Bureau of Shipping)

2003: Received type approval of pump and factory.

- CCS (China Classification Society)

2005: Received type approval of pump

2007: Received type approval of factory.

- BV (Bureau Veritas)

2006: Received type approval of factory

(Model).

- DNV (Norwegian Classification Society)

2006: Received type approval of factory.

- KR (Korea Classification Society)

2007: Received type approval of factory.

- LR (Lloyd Classification Society)

2008: Received type approval of factory.

- GL (Germanischer Lloyd)

2010: Received type approval of factory.

### [15ppm BILGE SEPARATOR - SEWAGE TREATMENT DEVICE]

- JG (Ministry of Land, Infrastructure, Transport and Tourism)

2004: Received type approval of 15ppm Bilge Separator (USH-01~50).

2004: Received type approval of Sewage Treatment Device (SBT).

2010: Received type approval of Sewage Treatment Device (SBH).

- MED (Marine Equipment Directive)

2005: Received type approval of 15ppm Bilge Separator (USH-01~50).

2009: Received type approval of Sewage Treatment Device (SBH-15~65).

- USCG (United States Coast Guard)

2005: Received type approval of 15ppm Bilge Separator (USH-01~50).

- CSS (CHINA CLASSIFICATION SOCIETY)

2005: Received type approval of 15ppm Bilge Separator (USH-01~50).

1989: Received type approval of Sewage Treatment Device (SBT-15~65).

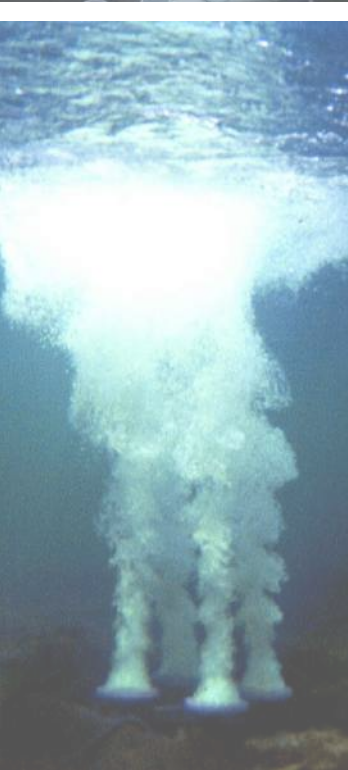
2010: Received type approval of Sewage Treatment Device (SBH-15~65).

### [Vacuum Pump]

- South Korea S-Mark (South Korea KOSHA)

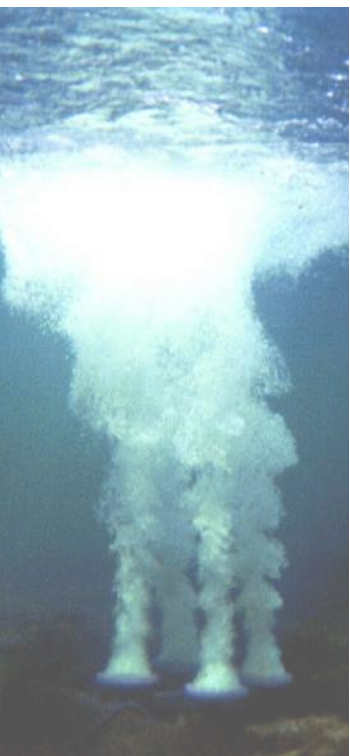
2005: Received S-Mark (Vacuum Pump: TRIC-3600)

2006: Received S-Mark (Vacuum Pump: TRIC-1800)



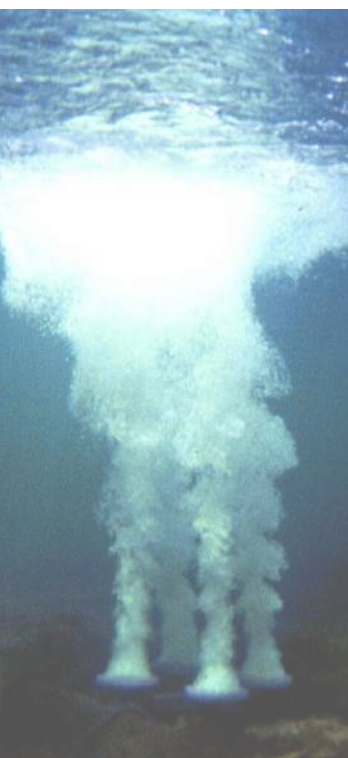


## DESCRIPTION OF TYPE SSR BLOWER



The three-lobe helical roots type rotary blower Type SSR is a new product which has been developed by adopting innovated techniques, based on the manufacturing experience in the roots type rotary blower for many years.

These blowers have improved full-adiabatic efficiency as well as volumetric efficiency and provide superior air capacity vs pressure characteristic. The superiority of efficiency leads to reduction of the heat from the blower itself, and therefore reduction of the temperature elevation, and thus the operation of blower in dry condition has become practical at the discharge pressure as low as  $0.6 \text{ kgf/cm}^2$

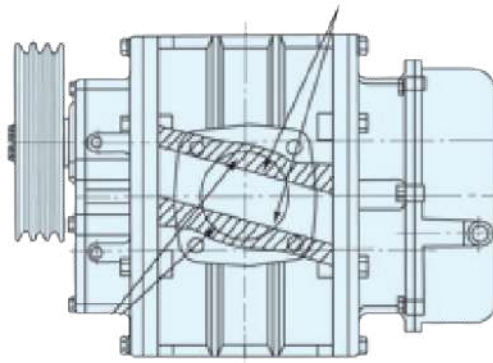


## TAIKO ROOTS TYPE ROTARY BLOWERS FEATURES

1. The helical construction uses the stator helical method that the screen lines of casing at the suction and discharge sides are cut to a helical shape, and the triangle suction and discharge port formed by a straight line of the rotor top 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 these blowers have an only limited operation sound and almost free from pulsations from discharge.
2. The rotors are three-lobe straight type, so that the rotors cannot 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 account 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 dimensions.
3. 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.
4. 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 precision NC machine. 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.
5. The advanced driving gears are adopted not only to extend the use life but also to make noise lower.  
The gears are made in special Cr-M steel by hardening treatment and are made accord with gear precision of JIS first-class. Therefore, the harmful disturbances to products from gears are avoided.
6. The transported air is clean and any oil-dust free oil lubrication is not needed in casing and the structure design prevent the bearing oil and gear oil from entering the casing.
7. 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 kept in stock to make delivery in time.

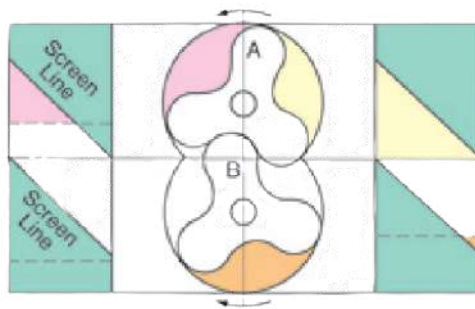
# SSR

## FUNCTIONING PRINCIPLE



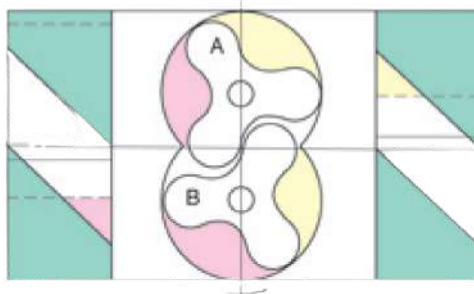
The conventional roots type rotary blowers, either two-lobe or three-lobe, have the same compression mechanism that the compression occurs upon reverse-flowing of high pressure air instantly when the rotor end is opened in line with the discharge opening. Such reverse flow and a rapid change in the compression as involved in the above compression is the cause of noise.

The helical construction of these blowers was designed to eliminate such noise, the features of which will be described as follows:



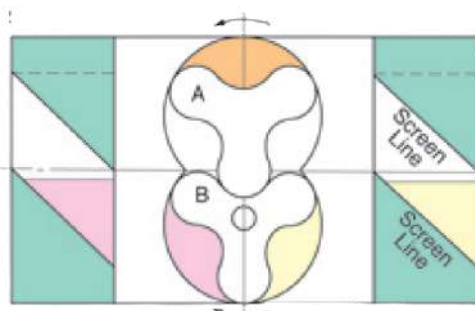
**[1] Rotor A:** The suction side is open over the full length thereof, and is about to close gradually while the discharge side is open half-way by opening gradually.

**Rotor B:** The suction side is almost fully closed by closing gradually while the discharge side is not yet opened but is about to open.



**[2] Rotor A:** The suction side is a little more closed than Case [1], where the shaded triangle port is going smaller gradually along with the screen line of casing while discharge has already been completed at the discharge side.

**Rotor B:** The suction side is immediately before going on to the screen line of casing while the discharge side is under the discharge process, where the triangle port is opening gradually.



**[3] Rotor A:** Both of the suction and discharge sides are closed, and immediately before opening at the discharge side.

**Rotor B:** The closing process has just been set out, and is now closing gradually while the discharge side is immediately before full opening by opening gradually.



# S S R

## HOW TO USE PERFORMANCE TABLES

The performance tables give the model number, bore, rpm., discharge pressure, air capacity and required power of the blower.

1. The air capacity in the tables is indicated in the standard suction state. The standard suction state herein mentioned is defined as the condition at 20 °C temperature, 1.0332kgf/cm<sup>2</sup> (101.3kPa) absolute pressure and 65% relative humidity.
2. The reference air capacity [0 °C temperature and 1.0332kgf/cm<sup>2</sup> (101.3kPa) absolute pressure] is generally indicated in Nm<sup>3</sup>/min.  
However, it may be converted into the standard air capacity by the following equation, if the suction pressure is equal.  $Q_s = Q_n \times 1.0732$   
where,  $Q_s$ : standard air capacity and  $Q_n$ : reference air capacity.
3. The discharge air capacity can be converted into the standard air capacity by the following equation.

$$Q_s = Q_d \times \frac{1.0332 + P_d}{1.0332} \times \frac{273 + t_s}{273 + t_d}$$

where,  $Q_d$ : discharge air capacity, in m<sup>3</sup>/min;  
 $P_d$ : discharge pressure, in kgf/cm<sup>2</sup>;  
 $t_s$ : suction temperature, in °C;  
 $t_d$ : discharge temperature, °C.

4. According to the air capacity and discharge pressure as calculated above, the model number, bore, r.p.m. and required power can be found in the performance table.
5. The motor powers are indicated by color marking, and the motor powers to be used should be that indicated.
6. The choice is overlapped depending upon the type of blower. For reference, however, selection should be lower number blowers for the economy and higher number blowers for the sound level.

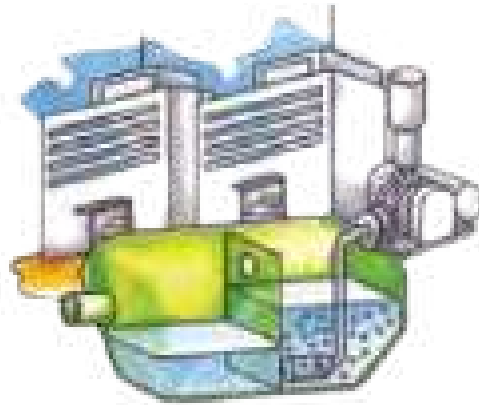
SI Units Conversion Table (SI Units in Heavy Lines)

	Pa	bar	kgf/ cm <sup>2</sup>	atm	mmH <sub>2</sub> O	mmHg(Torr)
Pressure	1	1x10 <sup>-5</sup>	1.019 72x10 <sup>-5</sup>	9.869 23 x10 <sup>-6</sup>	1.019 72 x10 <sup>-1</sup>	7.500 62x10 <sup>-3</sup>
	1x10 <sup>5</sup>	1	1.019 72	9.869 23 x10 <sup>-1</sup>	1.019 72 x10 <sup>4</sup>	7.500 62x10 <sup>2</sup>
	9.806 65x10 <sup>4</sup>	9.806 65x10 <sup>-1</sup>	1	9.678 41 x10 <sup>-1</sup>	1x10 <sup>4</sup>	7.355 59 x10 <sup>2</sup>
	1.013 25 x10 <sup>5</sup>	1.013 25	1.033 23	1	1.033 23 x10 <sup>4</sup>	7.600 00 x10 <sup>2</sup>
	9.806 65	9.806 65x10 <sup>-5</sup>	1x10 <sup>-4</sup>	9.678 41 x10 <sup>-5</sup>	1	7.355 59 x10 <sup>-2</sup>
	1.333 22x10 <sup>2</sup>	1.333 22x10 <sup>-3</sup>	1.359 51 x10 <sup>-3</sup>	1.315 79 x10 <sup>-3</sup>	1.359 51x10	1

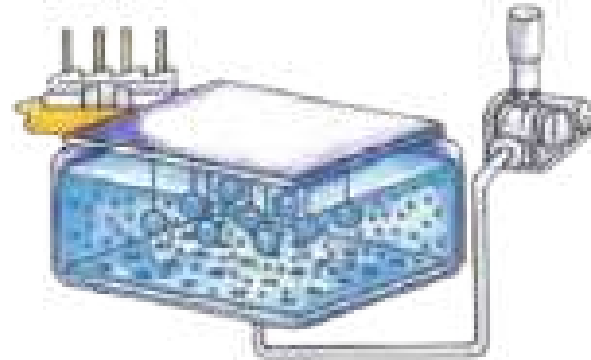




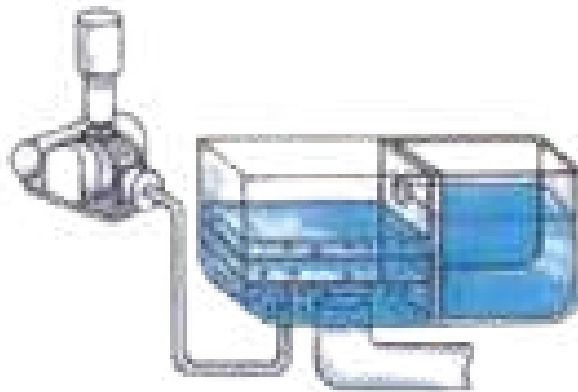
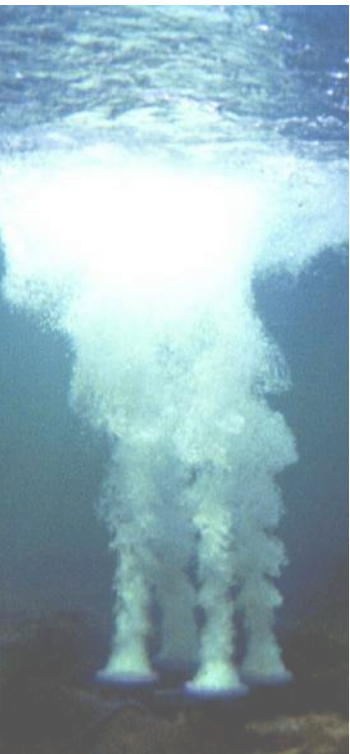
**APPLICATION EXAMPLES**



- Waste Water Aeration in Condominiums



- Stirring in Plated Vessel



- Black Washing



- Waste Water Aeration in Condominiums



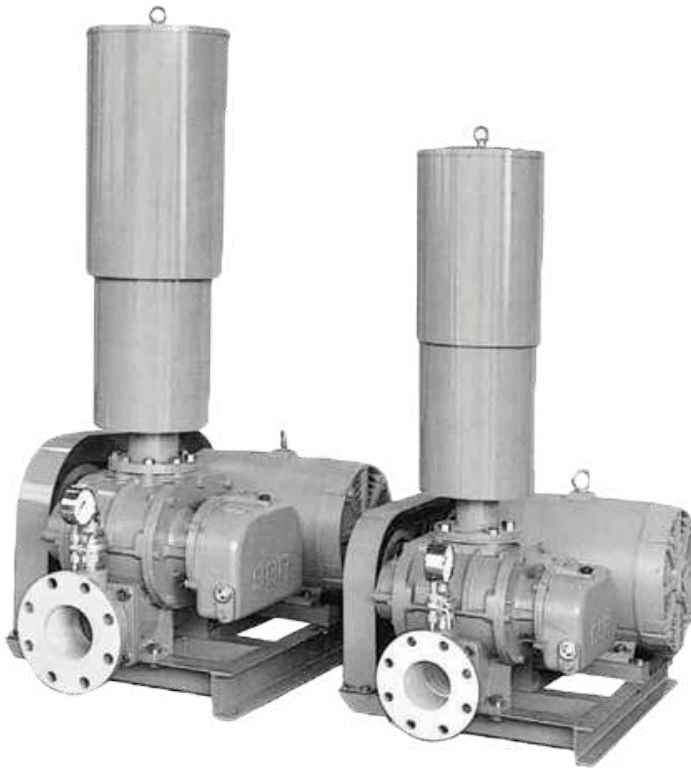
- Fish Care



- Combustion a Fireplace



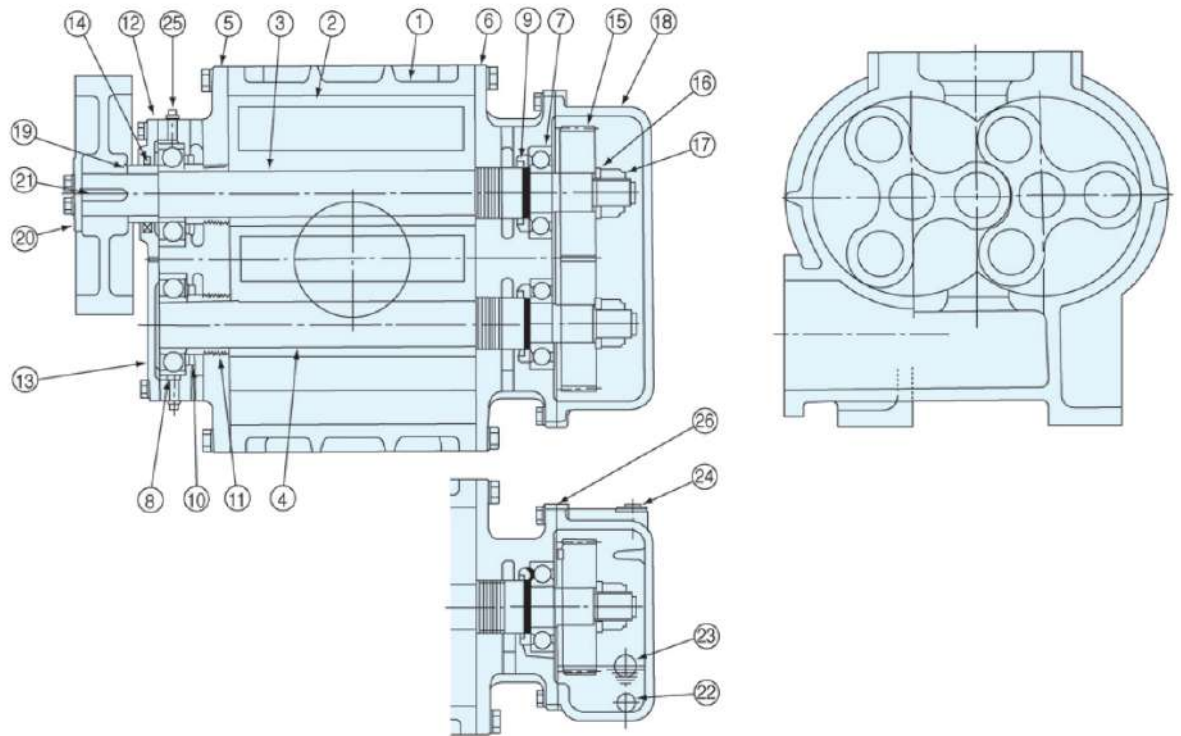
## TYPE SSR SPECIFICATION



- Major Specifications of Type SSR
  - Bore : 50 to 2004
  - Air Capacity : 0.8 to 56m<sup>3</sup>/min
  - Pressure : 0.1-0.6kgf/cm<sup>2</sup>
  - Motor Power : 0.75-90kW
- Standard Accessories
  - Common Base
  - V-Belt Cover
  - Blower Pulley, Motor Pulley,
  - V-Belt
  - Suction Silencer (With Air Filter)
  - Safety Valve
  - Pressure Gauge
  - Lubrication Oil
  - Anchor Bolt

- 1) The performance tables and standardized specifications are made available for all types to selection of one in need.
- 2) The blowers including accessories are standardized and are under the mass production control able to correspond to the orders and needs at any time.
- 3) The operation noise is lowered to the level not ever achieved by adopting, in addition to the helical construction, a silent air cleaner as appropriate to each type of the blowers.
- 4) The rotor is a precision product machined in its full surface, and since it is dynamically balanced in the shop completely, it will have almost no vibration.
- 5) The blowers require only a small area for installation due to a compact design.

## TYPE SSR STRUCTURAL DRAWING



No	Name	Material	Q' ty	No	Name	Material	Q' ty	No	Name	Material	Q' ty
1	Casing	FC200	1	10	Stop Ring (Drive Side)	NBR	2	19	Collar	S45C	1
2	Impeller	FC200	2	11	Bearing Sleeve	S45C	2	20	End Plate	SS400	1
3	Drive Shaft	S45C	1	12	Bearing Cover (Drive Side)	FC200	1	21	Parallel Key	S45C	1
4	Driven Shaft	S45C	1	13	Bearing Cover (Driven Side)	FC200	1	22	Drain Plug	FCMB	1
5	Side Cover (Drive Side)	FC200	1	14	Z Seal	NBR	1	23	Oil Gauge	SS+Glass	1
6	Side Cover (Gear Side)	FC200	1	15	Gear	SCM435	2	24	Air Breather	Plastics	1
7	Bearing (Driven Side)	SUJ2	2	16	Gear Lock Washer	SS400	2	25	Grease Nipple	C3604	2
8	Bearing (Drive Side)	SUJ2	2	17	Gear Lock Nut	SS400	2	26	Gear Case Packing	Three Sheet	1
9	Stop Ring (Gear Side)	NBR	2	18	Gear Case	FC200	1				



## TYPE SSR-T PERFORMANCE TABLE

### ■ SSR-T

Qs : Suction-Phase Air Volume (L/min)  
La : Required Electric Power (kW)

Model No.	Bore	Speed min <sup>-1</sup>	Discharge Pressure																			
			9.8		14.7		19.6		24.5		29.4		34.3		39.2		44.1		49.0			
			0.10kgf/m <sup>2</sup>		0.15kgf/m <sup>2</sup>		0.20kgf/m <sup>2</sup>		0.25kgf/m <sup>2</sup>		0.30kgf/m <sup>2</sup>		0.35kgf/m <sup>2</sup>		0.40kgf/m <sup>2</sup>		0.45kgf/m <sup>2</sup>		0.50kgf/m <sup>2</sup>			
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
SSR 20T	3/4B (20A)	1750	160	0.20	150	0.22	140	0.24	130	0.26	120	0.28	110	0.30	100	0.32						
		2000	200	0.23	190	0.25	180	0.27	170	0.29	160	0.31	150	0.33	140	0.35	130	0.37				
		2250	240	0.26	230	0.29	220	0.31	210	0.33	200	0.35	190	0.38	180	0.40	170	0.43	160	0.46		
		2500	270	0.29	260	0.32	250	0.34	240	0.37	230	0.39	220	0.42	210	0.44	200	0.47	190	0.50		
SSR 25T	1B (25A)	1750	210	0.23	195	0.25	180	0.27	165	0.30	150	0.32	135	0.35								
		2000	270	0.26	255	0.29	240	0.31	225	0.34	210	0.37	195	0.40	180	0.43	160	0.46				
		2250	310	0.30	295	0.33	280	0.35	265	0.39	250	0.42	235	0.46	220	0.49	200	0.53				
		2500	360	0.33	345	0.36	330	0.39	315	0.43	300	0.46	285	0.50	270	0.54	250	0.58	230	0.62		
SSR 32T	1 1/4B (32A)	1750	360	0.27	340	0.31	320	0.34	300	0.38	280	0.42	260	0.46	240	0.50						
		2000	440	0.31	420	0.35	400	0.39	380	0.44	360	0.48	340	0.53	320	0.57						
		2250	520	0.35	500	0.40	480	0.44	460	0.49	440	0.54	420	0.59	400	0.64	370	0.70				
		2500	600	0.39	580	0.44	560	0.49	540	0.55	520	0.60	500	0.66	480	0.71	450	0.78	420	0.86		

### ■ SSR-T

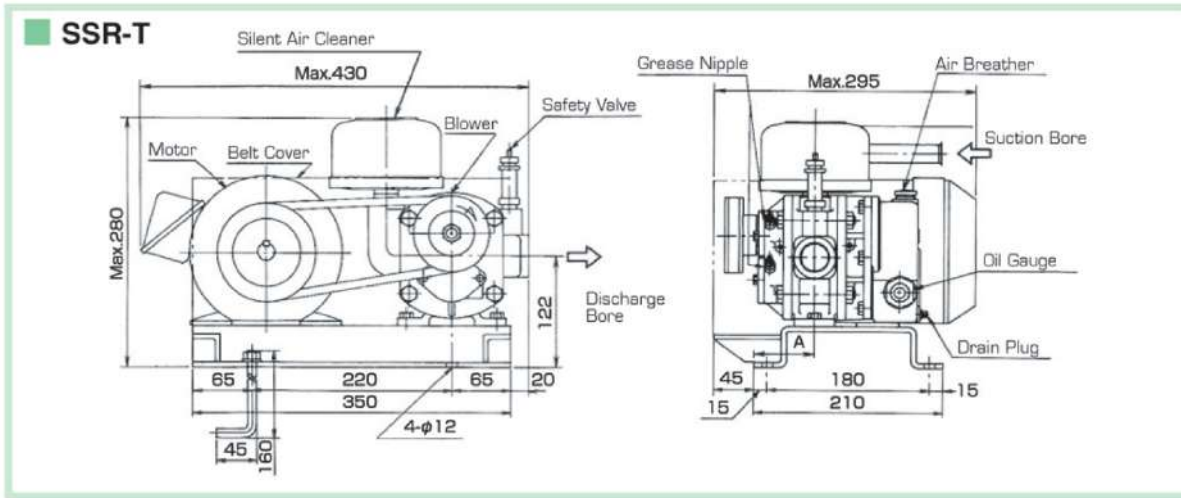
Qs : Suction-Phase Air Volume (m<sup>3</sup>/min)  
La : Required Electric Power (kW)

Model No.	Bore	Speed min <sup>-1</sup>	Discharge Pressure																			
			9.8		14.7		19.6		24.5		29.4		34.3		39.2		44.1		49.0			
			0.10kgf/m <sup>2</sup>		0.15kgf/m <sup>2</sup>		0.20kgf/m <sup>2</sup>		0.25kgf/m <sup>2</sup>		0.30kgf/m <sup>2</sup>		0.35kgf/m <sup>2</sup>		0.40kgf/m <sup>2</sup>		0.45kgf/m <sup>2</sup>		0.50kgf/m <sup>2</sup>			
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
SSR 40T	1 1/2B (40A)	1000	0.45	0.32	0.42	0.36	0.39	0.40	0.36	0.46	0.33	0.52										
		1250	0.65	0.40	0.62	0.45	0.59	0.50	0.56	0.58	0.53	0.65	0.51	0.73	0.48	0.80	0.46	0.90	0.43	0.99		
		1500	0.84	0.48	0.81	0.54	0.78	0.60	0.75	0.69	0.72	0.78	0.70	0.87	0.67	0.96	0.65	1.07	0.62	1.18		
		1750	1.04	0.56	1.01	0.63	0.98	0.70	0.95	0.81	0.92	0.91	0.90	1.01	0.87	1.11	0.85	1.25	0.82	1.38		
SSR 50T	2B (50A)	1000	0.82	0.64	0.78	0.72	0.73	0.80	0.69	0.92	0.65	1.04	0.61	1.16	0.57	1.28						
		1250	1.22	0.80	1.18	0.90	1.13	1.00	1.09	1.15	1.05	1.30	1.01	1.45	0.97	1.60	0.93	1.79	0.89	1.97		
		1500	1.61	0.96	1.57	1.08	1.52	1.20	1.48	1.38	1.44	1.56	1.40	1.74	1.36	1.92	1.32	2.14	1.28	2.36		
		1750	2.01	1.12	1.97	1.26	1.92	1.40	1.88	1.61	1.84	1.82	1.80	2.02	1.76	2.22	1.72	2.49	1.68	2.76		
SSR 65T	2 1/2B (65A)	1000	1.19	0.80	1.07	0.90	0.94	1.00	0.85	1.15	0.75	1.30	0.67	1.45	0.59	1.60						
		1250	1.69	1.00	1.57	1.13	1.45	1.25	1.36	1.44	0.26	1.63	1.18	1.82	1.10	2.00	1.05	2.23	0.99	2.45		
		1500	2.18	1.20	2.06	1.35	1.93	1.50	1.84	1.73	1.74	1.95	1.66	2.18	1.58	2.40	1.53	2.68	1.47	2.95		
		1750	2.68	1.40	2.56	1.58	2.43	1.75	2.34	2.02	2.24	2.28	2.16	2.53	2.08	2.78	2.03	3.12	1.97	3.45		



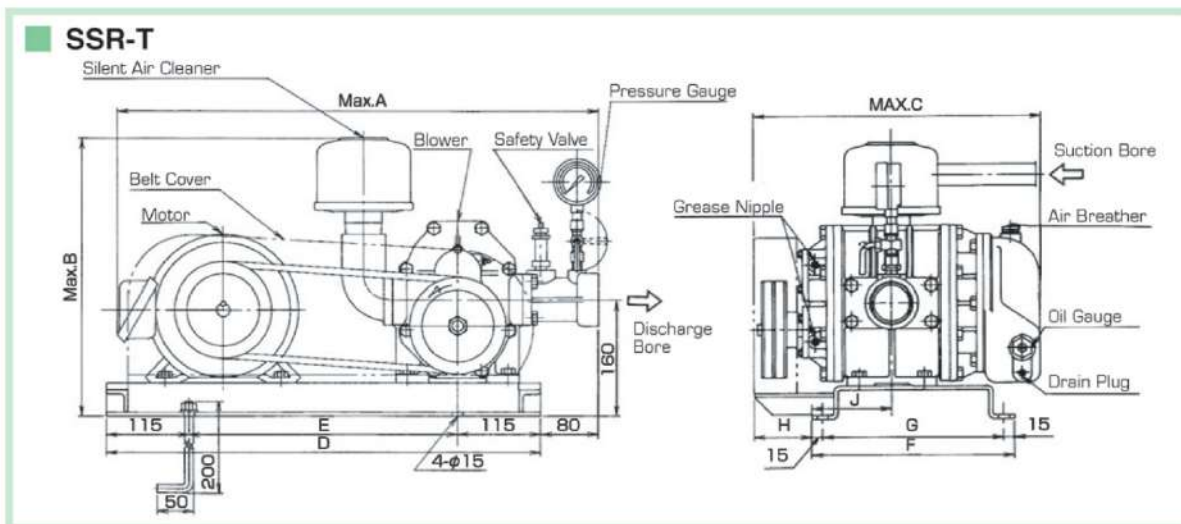
# SSR

## TYPE SSR-T OUTLINE DIMENSIONS



Model No.	Bore	A	Mass (kg)
SSR20T	Rc 3/4	60	19
SSR25T	Rc 1	67	20
SSR32T	Rc 1 1/4	82	22

Note: The mass given do not include the moter.  
Unit: mm



Model No.	Bore	A	B	C	D	E	F	G	H	J	Mass (kg)
SSR40T	Rc 1 3/4	670	360	350	550	320	250	220	60	85	42
SSR50T	Rc 2	700	380	405	600	370	280	250	80	110	61
SSR65T	Rc 2 1/2	700	380	440	600	370	280	250	80	130	64

Note: The mass given do not include the moter.  
Unit: mm



## TYPE SSR PERFORMANCE TABLE

Qs: Suction-Phase Air Volume (m<sup>3</sup>/min)

La: Required Electric Power (kW)

0.75kW	1.5kW	2.2kW	3.7kW	5.5kW	7.5kW	11kW	15kW
18.5kW	22kW	30kW	37kW	45kW	55kW	75kW	90kW

Type	Bore	rpm	Discharge Pressure (kgf/cm <sup>2</sup> )																							
			0.10		0.15		0.20		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	49.0kPa	53.9kPa	58.8kPa	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
SSR 50	50A	1100	1.22	0.30	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						
		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				
		1350	1.53	0.44	1.46	0.60	1.41	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				
		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		
		1530	1.75	0.56	1.69	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		
		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		
		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		
		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		
		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	1.88	2.18	1.83	2.39	1.81	2.61	1.77	2.83	1.75	3.06		
		2120	2.47	1.02	2.39	1.23	2.33	1.49	2.25	1.71	2.19	1.96	2.12	2.18	2.08	2.42	2.03	2.65	2.01	2.89	1.98	3.13	1.96	3.37		
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	1.18	1.52	1.12	1.72	1.07	1.82						
		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				
		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				
		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		
		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	1.78	3.20		
		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	2.18	2.73	2.12	2.95	2.06	3.22	2.01	3.46		
		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		
		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		
		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		
		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		
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	3.76		
		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		
		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		
		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		
		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		
		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		
		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	4.14	4.14	4.12	4.56	4.05	4.98	3.98	5.40	3.92	5.85		
		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	4.36	4.36	4.38	4.80	4.30	5.26	4.24	5.74	4.18	6.18		
		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	4.62	4.62	4.65	5.08	4.58	5.57	4.52	6.06	4.45	6.56		
		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	4.86	4.86	4.89	5.33	4.82	5.84	4.77	6.36	4.70	6.88		



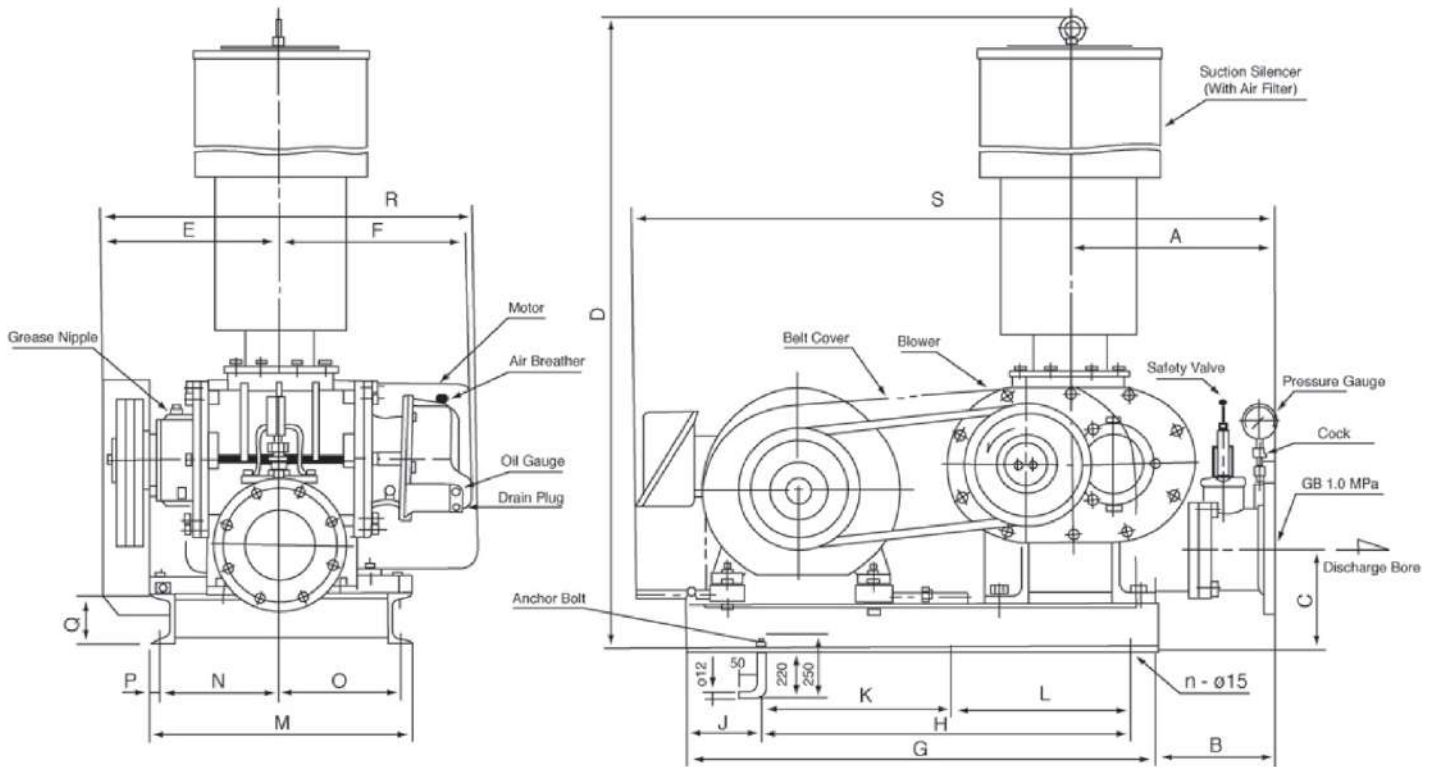
## TYPE SSR PERFORMANCE TABLE



Type	Bore	rpm	Discharge Pressure (kg/cm <sup>2</sup> )																							
			0.10		0.15		0.20		0.25		0.30		0.35		0.40		0.45		0.50		0.55		0.60			
			Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La	Qe	La		
SSR 100	100A	1060	4.57	1.35	4.40	1.80	4.24	2.23	4.09	2.70	3.95	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		
		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		
		1220	5.34	1.68	5.18	2.20	5.03	2.70	4.89	3.20	4.76	3.71	4.64	4.24	4.53	4.76	4.42	5.29	4.32	5.76	4.22	6.37	4.13	6.90		
		1310	5.73	1.87	5.58	2.41	5.44	2.96	5.31	3.50	5.18	4.05	5.08	4.61	4.95	5.18	4.84	5.75	4.74	6.30	4.64	6.92	4.55	7.48		
		1460	6.53	2.18	6.38	2.78	6.25	3.40	6.12	3.98	6.00	4.85	5.89	5.24	5.78	5.87	5.88	6.52	5.58	7.10	5.48	7.74	5.39	8.45		
		1540	6.91	2.40	6.77	3.05	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		
		1680	7.63	2.78	7.49	3.48	7.36	4.18	7.24	4.90	7.13	5.65	7.05	6.35	6.92	7.08	6.82	7.83	6.73	8.50	6.64	9.30	6.55	10.03		
		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		
		1880	8.57	3.33	8.45	4.13	8.36	4.93	8.25	5.75	8.15	6.55	8.05	7.38	7.95	8.18	7.86	9.05	7.77	9.80	7.68	10.62	7.60	11.42		
		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	10.45	8.20	11.30	8.12	12.13		
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	6.64	6.10	6.55	6.70	5.47	7.20	5.37	8.05		
		1050	6.95	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		
		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		
		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		
		1390	9.30	3.20	9.10	4.00	8.95	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		
		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		
		1530	10.27	3.80	10.07	4.70	9.90	5.65	9.80	6.65	9.70	7.85	9.60	8.60	9.50	9.60	9.40	10.60	9.33	11.60	9.25	12.60	9.15	13.60		
		1630	10.96	4.30	10.76	5.20	10.57	6.25	10.47	7.25	10.37	8.35	10.27	9.36	10.17	10.35	10.08	11.35	10.01	12.40	9.93	13.50	9.85	14.60		
		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		
		1850	12.48	5.40	12.25	6.36	12.05	7.55	11.97	8.57	11.85	9.68	11.70	10.94	11.66	12.02	11.58	13.12	11.50	14.20	11.42	15.60	11.34	16.85		
SSR 150A	150	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	11.95	10.65	13.20	10.52	14.40	10.39	15.60		
		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		
		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		
		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		
		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	17.37	17.27	19.40	17.17	21.10	17.07	22.80	16.97	24.40		
		1240	19.27	8.45	19.10	10.20	18.95	11.90	18.77	13.60	18.63	15.40	18.53	17.07	18.43	18.43	18.33	20.70	18.23	22.40	18.13	24.20	18.03	25.80		
		1400	22.00	10.20	21.83	12.10	21.70	14.00	21.55	15.95	21.40	17.90	21.30	19.90	21.20	21.20	21.15	23.85	21.05	25.80	20.97	27.90	20.87	29.70		
		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	23.20	23.13	26.70	23.04	28.90	22.95	31.20	22.82	33.30		
		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		
		1730	27.05	15.30	26.92	17.60	26.77	20.20	26.61	22.90	26.48	25.30	26.35	27.90	26.27	26.27	26.17	33.00	26.08	35.55	26.00	38.00	25.87	40.80		
SSR 200A	200	810	31.77	8.05	31.19	11.28	30.52	14.65	29.98	17.80	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		
		900	35.68	9.95	35.05	13.48	34.49	17.10	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		
		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		
		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	40.58	42.65	40.15	46.82	39.77	50.71	39.42	54.95		
		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		
		1230	49.60	17.09	49.16	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		
		1310	52.67	19.65	52.22	24.34	51.86	29.20	51.57	34.28	51.38	39.68	51.18	44.88	50.99	50.18	50.69	55.09	50.40	59.96	50.10	64.53	49.83	69.72		
		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		
1480	59.20	23.80	58.83	28.98	58.46	34.37	58.24	40.42	58.02	46.58	57.89	52.36	57.76	58.19	57.57	63.62	57.37	68.98	57.22	74.22	57.08	80.18				



## TYPE SSR OUTLINE DIMENSIONS



Unit mm

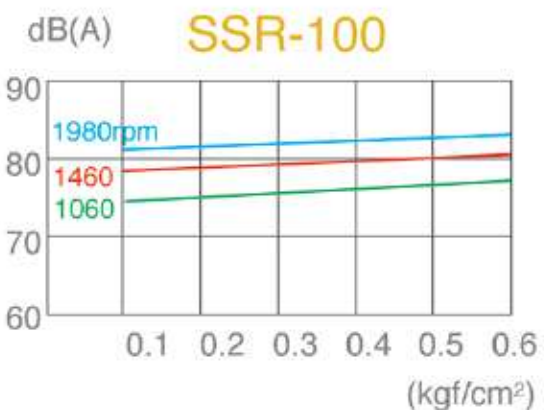
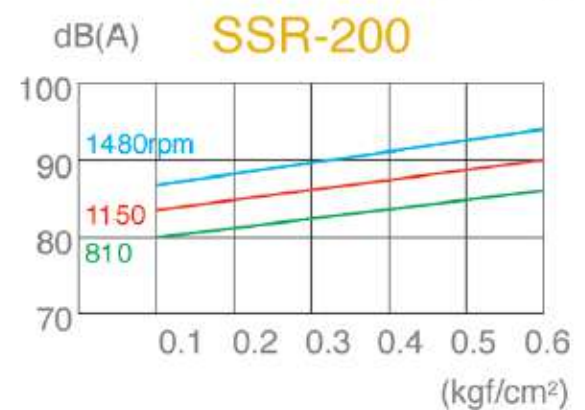
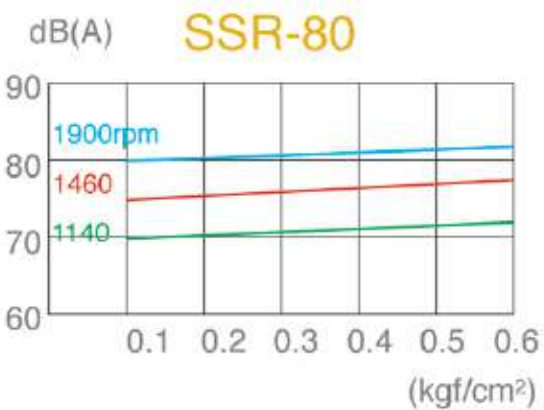
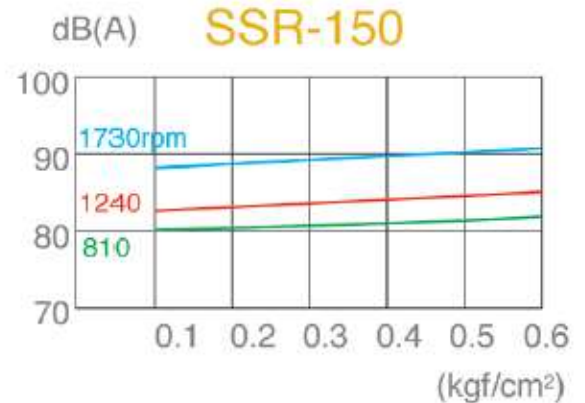
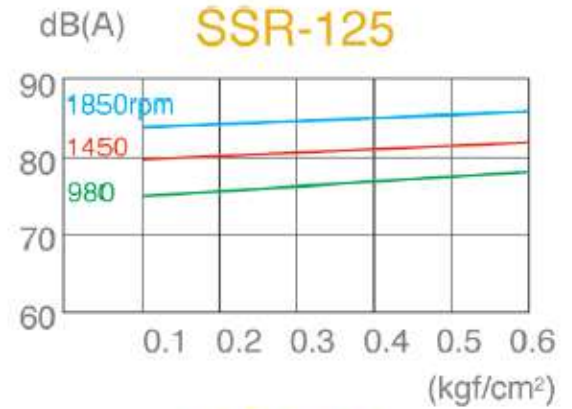
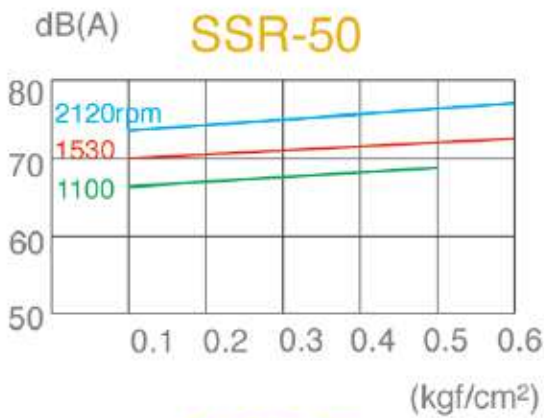
Type	Mark	Bore	A	B	C	D	E	F	G	H	J	K
SSR-50	50A	230	130	120	895	185	179	560	410	100	-	-
SSR-65	65A	230	130	130	970	205	202	600	450	100	-	-
SSR-80	80A	280	170	145	1130	220	225	650	500	100	-	-
SSR-100	100A	280	155	155	1255	260	265	730	580	100	-	-
SSR-125	125A	345	195	190	1515	295	294	860	700	110	350	350
SSR-150	150A	385	220	210	1730	375	377	960	750	160	400	400
SSR-200	200A	593	378	256	2210	525	550	1280	1000	180	500	500
Type	Mark	Bore	L	M	N	O	P	Q	n	R	S	Weight (kg)
SSR-50	50A	-	300	115	155	15	80	4	450	730	70	70
SSR-65	65A	-	340	135	175	15	80	4	500	780	81	81
SSR-80	80A	-	360	130	200	15	80	4	530	860	123	123
SSR-100	100A	-	470	170	270	15	80	4	600	930	157	157
SSR-125	125A	350	470	185	255	15	100	6	710	1230	235	235
SSR-150	150A	350	590	255	295	20	100	6	860	1335	394	394
SSR-200	200A	500	755	360	345	25	126	6	1080	1765	860	860





# SSR

## TYPE SSR NOISE LEVEL



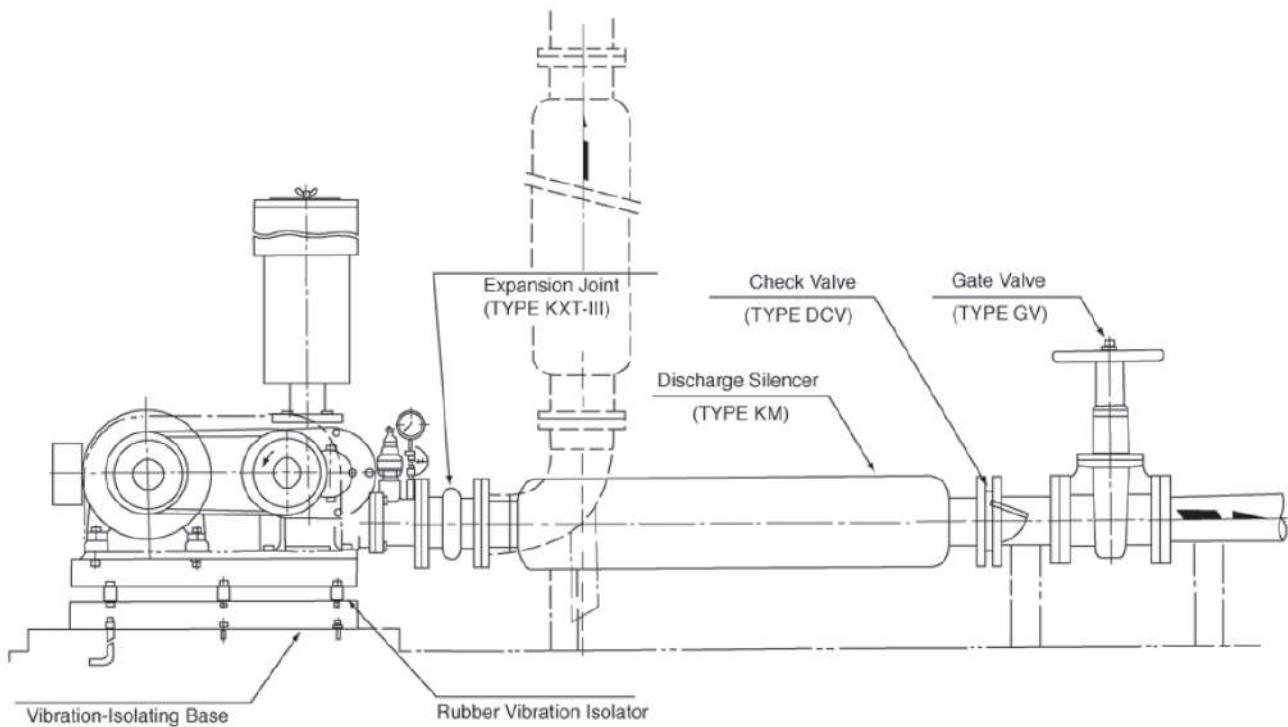
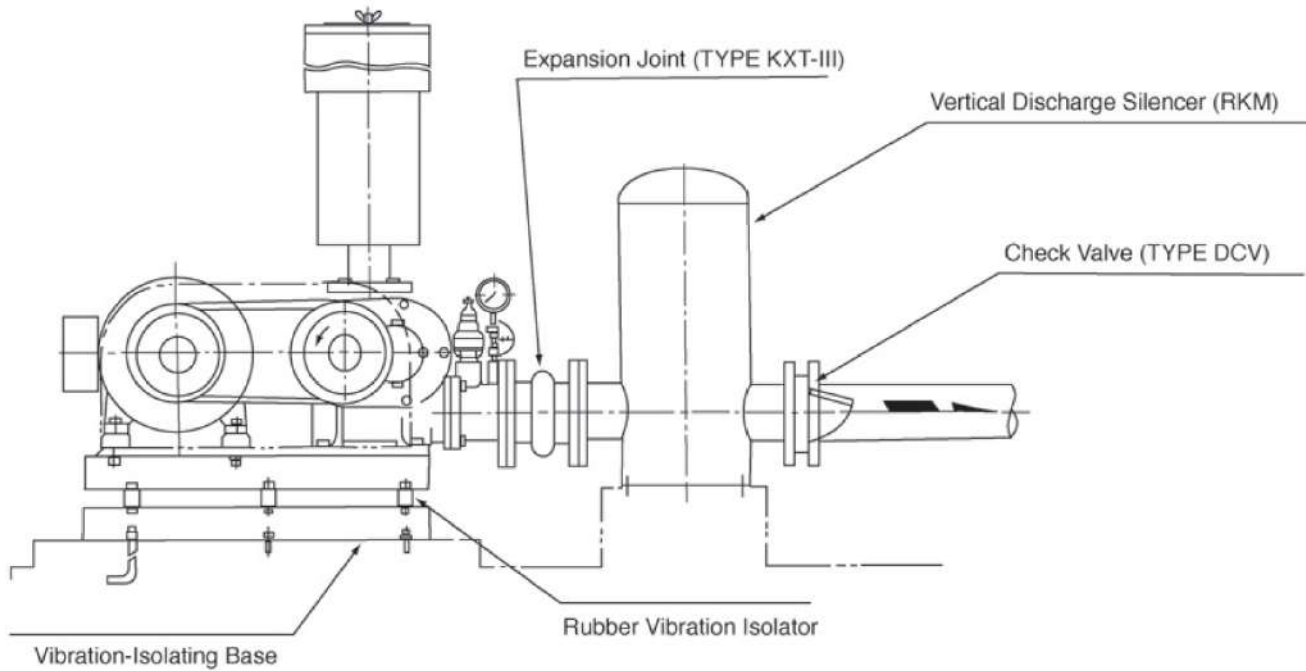
● NOISE LEVEL dB(A) Machine Side 1.0m

Note: The values are based on the measurements taken in our shop



# SSR

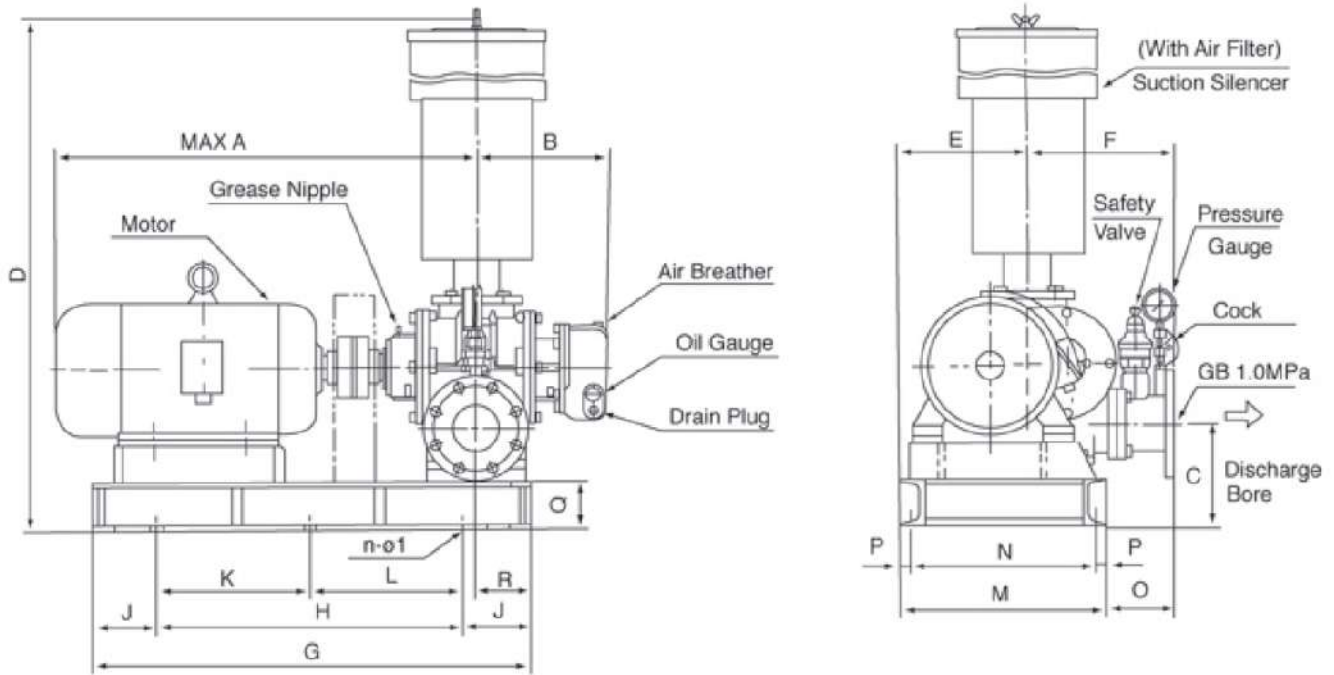
## REFERENCE DRAWING OF PIPING FOR TYPE SSR



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



## TYPE SSR DIRECT COUPLING OUTLINE DIMENSIONS



Unit : mm

Type	Mark	Bore	A	B	C	D	E	F	G	H	J	
SSR-50	50A	50A	570	179	135	895	152	230	540	420	60	
SSR-65	65A	65A	610	202	145	970	192	230	600	440	80	
SSR-80	80A	80A	700	225	165	1130	217	280	650	500	75	
SSR-100	100A	100A	900	265	175	1255	234	280	850	630	110	
SSR-125	125A	125A	945	294	205	1525	260	345	920	710	105	
SSR-150	150A	150A	1155	377	225	1745	305	385	1150	950	100	
SSR-200	200A	200A	1570	550	276	2230	405	593	1600	1300	150	
Type	Mark	Bore	K	L	M	N	O	P	Q	R	n-φ1	Weight (kg)
SSR-50	50A	50A	-	-	260	220	122	20	80	60	4-φ14	72
SSR-65	65A	65A	-	-	300	260	122	20	80	80	4-φ14	84
SSR-80	80A	80A	-	-	370	330	147	20	80	75	4-φ19	132
SSR-100	100A	100A	-	-	400	360	114	20	80	110	4-φ19	168
SSR-125	125A	125A	355	355	430	390	175	20	100	105	6-φ19	245
SSR-150	150A	150A	475	475	500	455	190	22.5	100	165	6-φ19	408
SSR-200	200A	200A	650	650	650	605	348	22.5	126	240	6-φ19	900



## TYPE SSR DIRECT COUPLING PERFORMANCE TABLE

### SSR-50

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 50	50A	1450	0.10	9.8	1.66	0.50	Y80-4	0.75
			0.15	14.7	1.58	0.67	Y80-4	0.75
			0.20	19.6	1.54	0.82	Y90S-4	1.1
			0.25	24.5	1.46	0.98	Y90S-4	1.1
			0.30	29.4	1.40	1.14	Y90L-4	1.5
			0.35	34.3	1.34	1.30	Y90L-4	1.5
			0.40	39.2	1.30	1.47	Y100L1-4	2.2
			0.45	44.1	1.25	1.62	Y100L1-4	2.2
			0.50	49.0	1.20	1.79	Y100L1-4	2.2
			0.55	53.9	1.16	1.96	Y100L1-4	2.2
0.60	58.8	1.14	2.15	Y100L2-4	3.0			

### SSR-125

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 125	125A	1450	0.10	9.8	9.72	3.45	Y132S-4	
			0.15	14.7	9.50	4.25	Y132S-4	
			0.20	19.6	9.35	5.20	Y132M-4	
			0.25	24.5	9.25	6.15	Y132M-4	
			0.30	29.4	9.15	7.10	Y132M-4	
			0.35	34.3	9.05	8.05	Y160M-4	
			0.40	39.2	8.95	9.00	Y160M-4	
			0.45	44.1	8.85	9.90	Y160L-4	
			0.50	49.0	8.77	10.90	Y160L-4	
			0.55	53.9	8.70	11.80	Y160L-4	
0.60	58.8	8.60	12.80	Y160L-4				

### SSR-65

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 65	65A	1450	0.10	9.8	2.31	0.63	Y80-4	0.75
			0.15	14.7	2.22	0.88	Y90S-4	1.1
			0.20	19.6	2.14	1.12	Y90L-4	1.5
			0.25	24.5	2.07	1.34	Y90L-4	1.5
			0.30	29.4	2.00	1.60	Y100L1-4	2.2
			0.35	34.3	1.93	1.85	Y100L1-4	2.2
			0.40	39.2	1.86	2.10	Y100L2-4	3.0
			0.45	44.1	1.80	2.32	Y100L2-4	3.0
			0.50	49.0	1.74	2.54	Y100L2-4	3.0
			0.55	53.9	1.69	2.78	Y112M-4	4.0
0.60	58.8	1.63	3.00	Y112M-4	4.0			

### SSR-150

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 150	150A	1450	0.10	9.8	22.85	10.70	Y160L-4	
			0.15	14.7	22.70	12.75	Y160L-4	
			0.20	19.6	22.58	14.68	Y180M-4	
			0.25	24.5	22.45	16.68	Y180M-4	
			0.30	29.4	22.33	18.70	Y180L-4	
			0.35	34.3	22.23	20.80	Y180L-4	
			0.40	39.2	22.12	22.90	Y200L-4	
			0.45	44.1	22.01	24.85	Y200L-4	
			0.50	49.0	21.92	26.88	Y200L-4	
			0.55	53.9	21.83	29.00	Y225S-4	
0.60	58.8	21.74	30.90	Y225S-4				

### SSR-80

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 80	80A	1450	0.10	9.8	4.04	1.39	Y100L1-4	2.2
			0.15	14.7	3.96	1.80	Y100L1-4	2.2
			0.20	19.6	3.86	2.15	Y100L2-4	3.0
			0.25	24.5	3.80	2.52	Y100L2-4	3.0
			0.30	29.4	3.74	2.85	Y112M-4	4.0
			0.35	34.3	3.66	3.21	Y112M-4	4.0
			0.40	39.2	3.58	3.57	Y132S-4	5.5
			0.45	44.1	3.50	3.95	Y132S-4	5.5
			0.50	49.0	3.43	4.29	Y132S-4	5.5
			0.55	53.9	3.36	4.66	Y132S-4	5.5
0.60	58.8	3.30	5.02	Y132S-4	5.5			

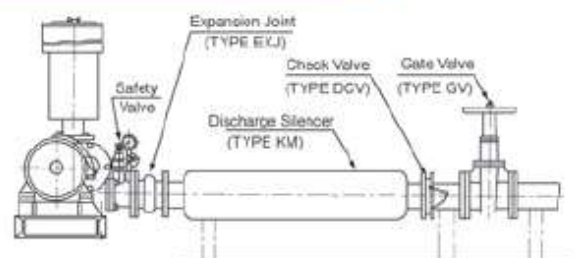
### SSR-200

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 200	200A	1480	0.10	9.8	59.20	23.80	Y200L-4	
			0.15	14.7	58.83	28.96	Y200L-4	
			0.20	19.6	58.46	34.37	Y225S-4	
			0.25	24.5	58.24	40.42	Y250M-4	
			0.30	29.4	58.02	46.58	Y250M-4	
			0.35	34.3	57.89	52.36	Y250M-4	
			0.40	39.2	57.76	58.19	Y280S-4	
			0.45	44.1	57.57	63.62	Y280S-4	
			0.50	49.0	57.37	68.98	Y280S-4	
			0.55	53.9	57.22	74.22	Y280M-4	
0.60	58.8	57.08	80.18	Y280M-4				

### SSR-100

Type	Bore	rpm	Pressure		Qs m <sup>3</sup> /min	La kW	Base Specification	
			kg/cm <sup>2</sup>	kPa			TYPE	kW
SSR 100	100A	1450	0.10	9.8	6.49	2.17	Y100L2-4	3.0
			0.15	14.7	6.34	2.76	Y100L2-4	3.0
			0.20	19.6	6.21	3.38	Y112M-4	4.0
			0.25	24.5	6.08	3.95	Y132S-4	5.5
			0.30	29.4	5.96	4.59	Y132S-4	5.5
			0.35	34.3	5.85	5.20	Y132M-4	7.5
			0.40	39.2	5.74	5.83	Y132M-4	7.5
			0.45	44.1	5.64	6.48	Y132M-4	7.5
			0.50	49.0	5.54	7.05	Y160M-4	11
			0.55	53.9	5.44	7.60	Y160M-4	11
0.60	58.8	5.35	8.39	Y160M-4	11			

### Reference Drawing of Piping

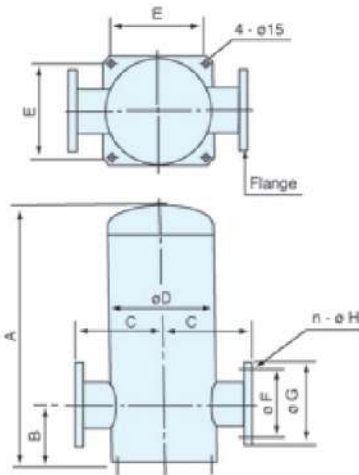


Note: Make sure that piping of check valve is horizontal.

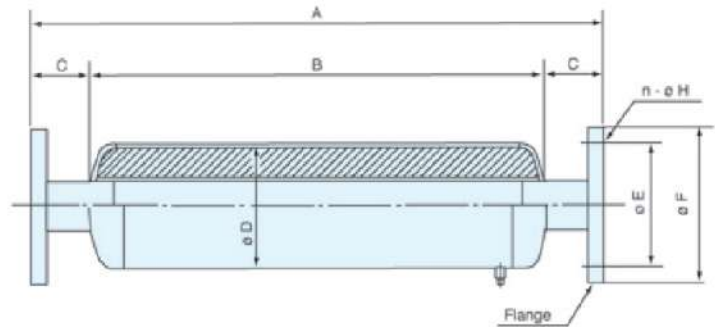


## TYPE SSR ACCESSORIES

### Vertical Discharge Silencer (RKM)



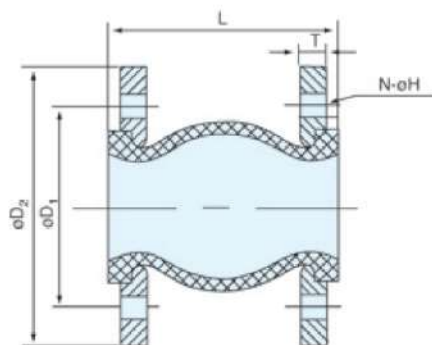
### Discharge Silencer (KM)



Type	Bore	A	B	C	D	E	F	G	n-φH	Weight (kg)
RKM-50	50A	420	120	150	140	130	125	165	4-φ19	15
RKM-65	65A	480	130	175	191	170	145	185	4-φ19	20
RKM-80	80A	595	145	200	216	190	160	200	8-φ19	27
RKM-100	100A	660	155	225	267	230	180	220	8-φ19	34
RKM-125	125A	800	190	250	280	240	210	250	8-φ23	58
RKM-150	150A	920	210	300	356	290	240	285	8-φ23	80
RKM-200	200A	1050	256	325	406	350	295	340	8-φ23	97

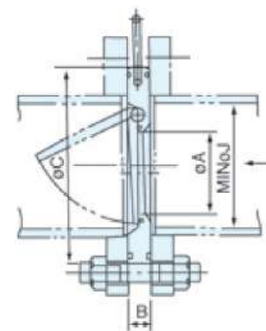
Type	Bore	A	B	C	D	E	F	n-φH	Weight (kg)
KM-50	50A	600	480	60	140	125	165	4-φ19	10
KM-65	65A	700	560	70	165	145	185	4-φ19	14
KM-80	80A	900	74	80	190	160	200	8-φ19	18
KM-100	100A	1200	1040	80	217	180	220	8-φ19	37
KM-125	125A	1400	1210	95	261	210	250	8-φ23	44
KM-150	150A	1600	1410	95	286	240	285	8-φ23	67
KM-200	200A	1800	1600	100	320	295	340	8-φ23	80

### KXT Series Resilient Connect



Type	Bore	D <sub>1</sub>	D <sub>2</sub>	L	T	n-φH	Weight (kg)
-50	50A	125	165	105	18	4-φ17.5	3.0
-65	65A	145	185	115	20	4-φ17.5	3.5
-80	80A	160	200	135	20	4-φ17.5	4.0
-100	100A	180	220	150	22	4-φ17.5	5.0
-125	125A	210	250	165	24	8-φ17.5	6.5
-150	150A	240	285	180	24	8-φ22	9.5
-200	200A	295	340	190	24	8-φ22	16

### Check Valve (DCV)



GB1.0MPa use Flange

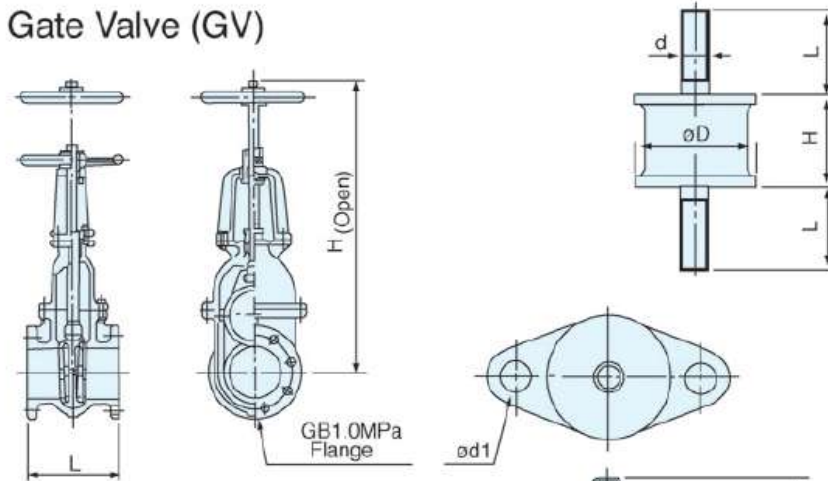
Type	Bore	A	B	C	J	Fixing Bolt Size (Number)	Weight (kg)
DCV-50	50A	25	19	104	52.7	M16 x 86(4)	1.1
DCV-65	65A	36	19	124	65.9	M16 x 108(4)	1.4
DCV-80	80A	46	19	134	78.1	M16 x 108(8)	1.6
DCV-100	100A	67	19	159	102.3	M16 x 108(8)	2.3
DCV-125	125A	88	21	190	126.6	M20 x 115(8)	3.4
DCV-150	150A	108	24	220	151.0	M20 x 120(8)	5.0
DCV-200	200A	138	29	270	200	M20 x 120(8)	10



# SSR

## TYPE SSR ACCESSORIES

### Gate Valve (GV)



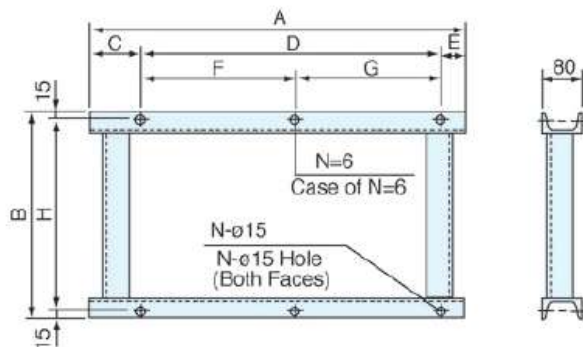
Type	Bore	L	H
GV-50	50A	178	381
GV-65	65A	190	428
GV-80	80A	203	493
GV-100	100A	229	588
GV-125	125A	254	689
GV-150	150A	267	798
GV-200	200A	328	920

### Rubber Vibration Isolator (TYPE A)

Type	D	H	L	d	Application Type
A-35B	35	36	23	M8	TSA
A-35	35	26	24	M8	SSR-50-80
A-40	40	25	30	M8	SSR-100, 125
A-50	50	27	30	M10	SSR-150
A-75	75	42	45	M12	SSR-200

### Rubber Vibration Isolator (TYPE B)

Type	D	H	L	d	D <sub>1</sub>	A	P	Application Type
B-35	35	26	24	M8	9	69	53	SSR-50-80
B-40	40	25	30	M8	9	76	60	SSR-100, 125
B-50	50	27	30	M10	11.5	93	73	SSR-150



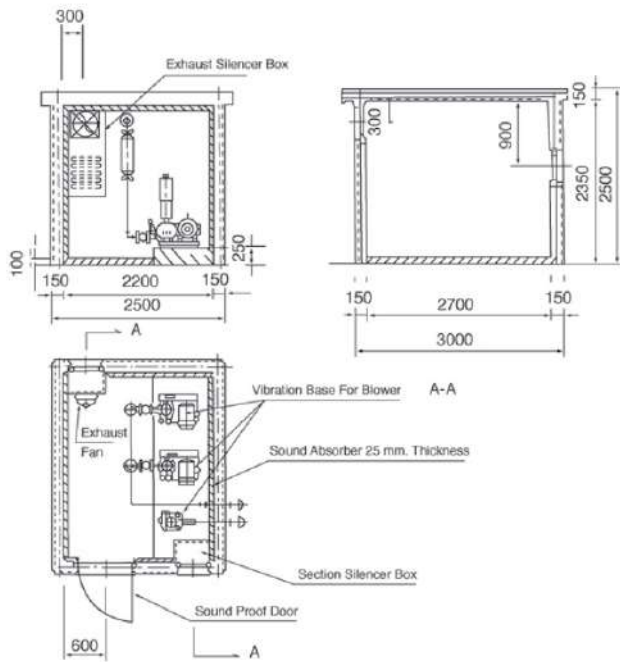
### Vibration-Isolating Base (SSR)

Application Type	A	B	C	D	E	F	G	H	N	Weight (kg)
SSR-50	560	300	100	410	50	-	-	270	4	10
SSR-65	600	340	100	450	50	-	-	310	4	11
SSR-80	650	360	100	500	50	-	-	330	4	12
SSR-100	730	470	100	580	50	-	-	440	4	14
SSR-125	860	480	110	700	50	350	350	440	6	16
SSR-150	960	580	160	750	50	400	350	550	6	18
SSR-200	1280	750	180	1000	100	500	500	705	6	33

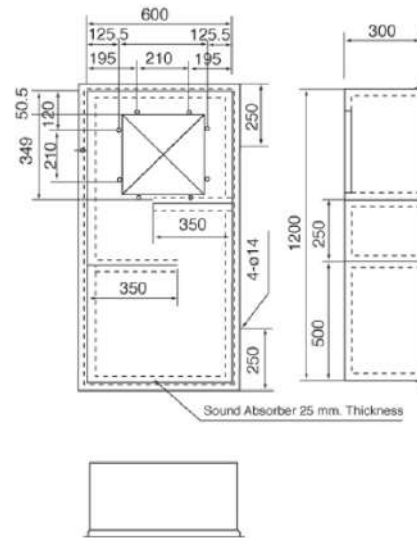


## MACHINE ROOM STRUCTURAL EXAMPLES

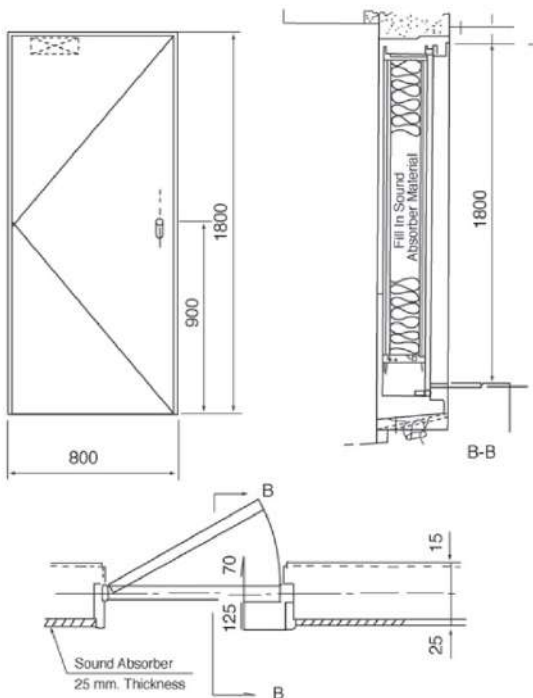
### Machine Room



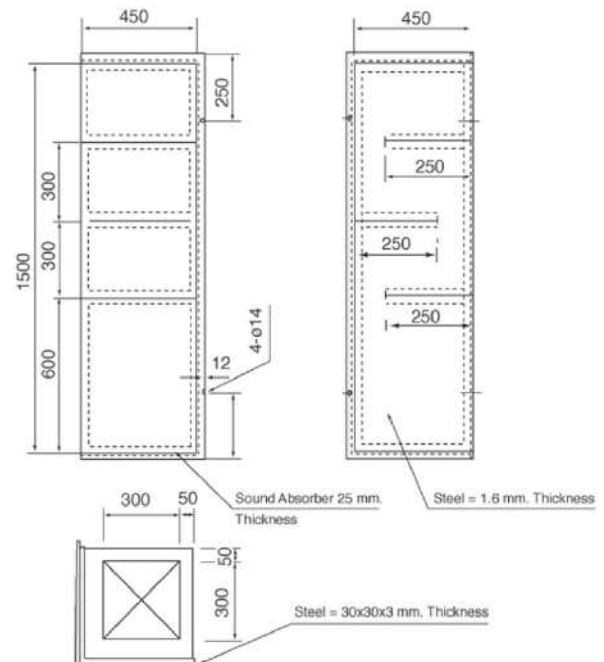
### Discharge Silencer Box



### Sound Proof Door



### Suction Silencer Box






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