

Taiko Air Blower

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b l o w e r



The Original SSR 3 Lobe Roots Type Blowers

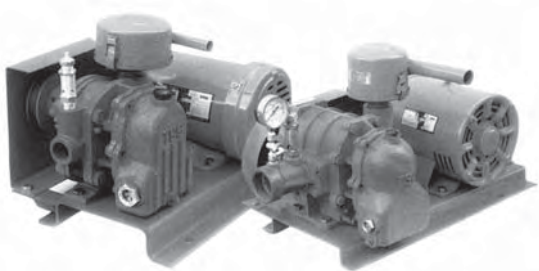
Approved by Suruhanjaya Perkhidmatan Air Negara (SPAN)

TYPE SSR-T

DESCRIPTION

The three-lobe helical roots type rotary blower Type SSR is an epoch-making displacement blower which has been developed successfully from a completely new concept by utilizing a combination of the excellent process capability and innovated techniques.

These blowers fall under the very small volume class of roots type, but are given adequate considerations to details in order to provide high efficiency so that this type has superior properties of constant air capacity and low noise.



Major Specifications of Type SSR

Bore	: 1-1/2 to 2-1/2 B (40 to 65A)
Air Capacity	: 0.3 to 2.7m ³ /min.
Pressure	: 0.1 to 0.5 kgf/m ²
Motor Power	: 0.75 to 3.7kw

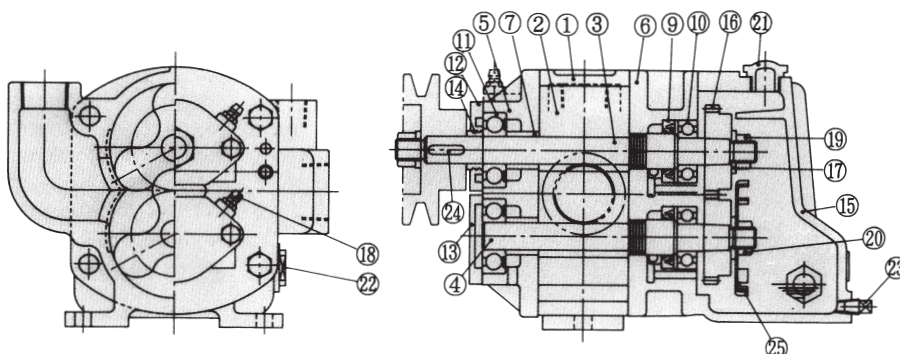
Major Specifications of Type SSR

Bore	: 3/4 to 1 - 1/4B (20 to 32A)
Air Capacity	: 100 to 600 /min.
Pressure	: 0.1 to 0.4kgf/m ²
Motor Power	: 0.4 to 0.75kw

Standard Accessories

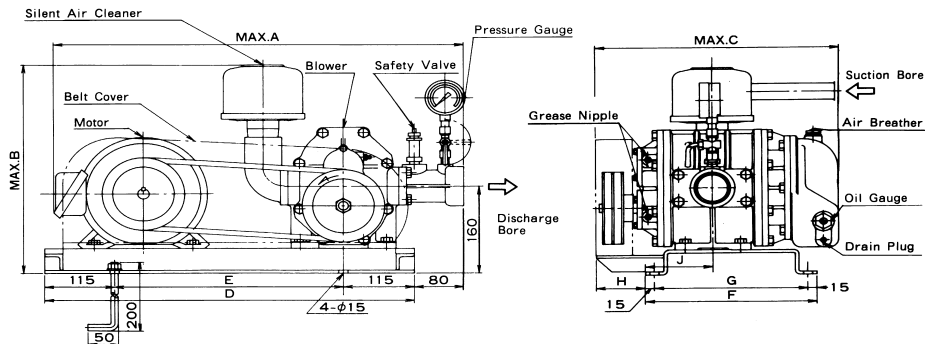
- Common Base
- V-belt Cover
- Blower Pulley, Motor Pulley,
- V-belt
- Silent Air Cleaner
- Safety Valve
- Pressure Gauge (SSR- T Only)
- Lubricating Oil
- Anchor Bolt

TYPES SSR-T SECTIONAL DRAWING



TYPES SSR-T OUTLINE DIMENSIONS

TYPE SSR-T



Unit mm

Type \ Mark	Bore	A	B	C	D	E	F	G	H	J	(kg) Weight
SSR-40T	Rc 1/2	670	360	350	550	320	250	220	60	85	42
SSR-50T	Rc 2	700	380	405	600	370	280	250	80	110	61
SSR-65T	Rc 2 1/2	700	380	440	600	370	280	250	80	130	64

Note : The weights given do not include the motor.

TYPES SSR-T PERFORMANCE TABLE

0.4kW 0.75kW

Qs : Suction-phase Air Volume (ℓ /min)

La : Required electric power (kW)

Type	Bore	rpm	Discharge Pressure (kgf/cm ²)													
			0.10		0.15		0.20		0.25		0.30		0.35		0.40	
			9.8kPa		14.7kPa		19.6kPa		24.5kPa		29.4kPa		34.3kPa		39.2kPa	
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
SSR-20T	3/4B (20A)	1750	120	0.20	110	0.22	100	0.24								
		2000	160	0.23	150	0.25	140	0.27	130	0.29	120	0.31				
		2250	200	0.26	185	0.29	170	0.31	160	0.33	150	0.35	140	0.38	130	0.40
		2500	240	0.29	225	0.32	210	0.34	200	0.37	190	0.39	180	0.42	170	0.44
SSR-25T	1B (25A)	1750	200	0.23	185	0.25	170	0.27	155	0.30	140	0.32				
		2000	250	0.26	235	0.29	220	0.31	205	0.34	190	0.37	175	0.40	160	0.43
		2250	300	0.30	285	0.33	270	0.35	255	0.39	240	0.42	225	0.46	210	0.49
		2500	350	0.33	335	0.36	320	0.39	305	0.43	290	0.46	275	0.50	260	0.54
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
		2500	600	0.39	580	0.44	560	0.49	540	0.55	520	0.60	500	0.66	480	0.71

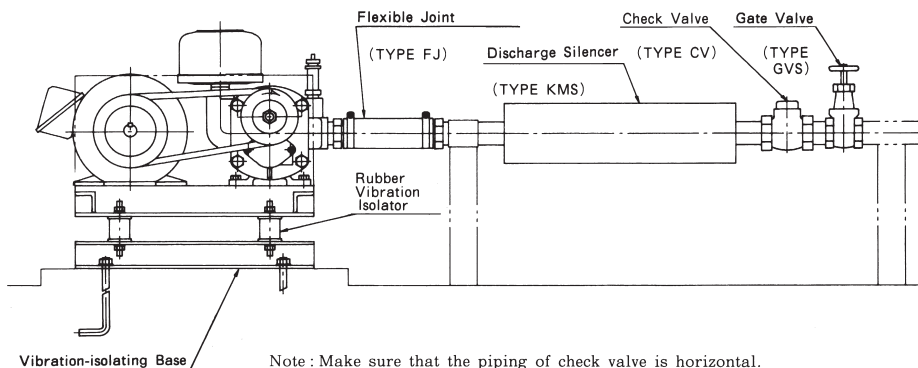
TYPES SSR-T PERFORMANCE TABLE

0.75KW 1.5KW
2.2KW 3.7KW

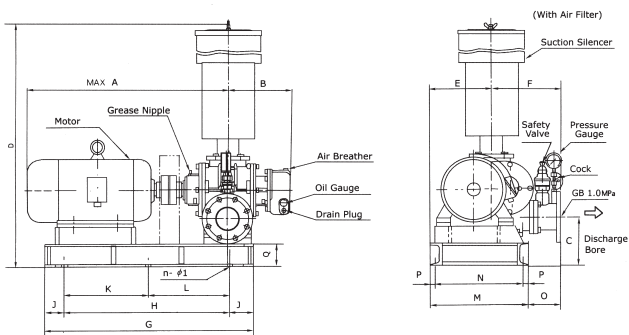
Qs : Suction-phase Air Volume (m³/min)
La : Required electric power (kw)

Type	Bore	rpm	Discharge Pressure (kgf/m ²)																	
			0.10		0.15		0.20		0.25		0.30		0.35		0.40		0.45		0.50	
			9.8kPa		14.7kPa		19.6kPa		24.5kPa		29.4kPa		34.3kPa		39.2kPa		44.1kPa		49.0kPa	
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
SSR-40T	1½B (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	2½B (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	1.26	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, Reference Drawing of Piping for Type SSR-T



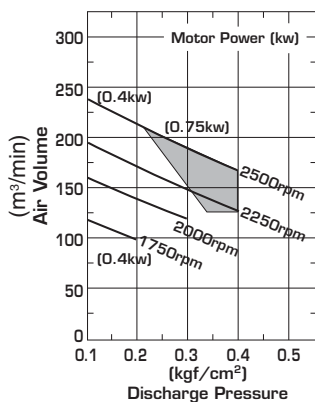
SSR, Reference Drawing of Piping for Type SSR-T



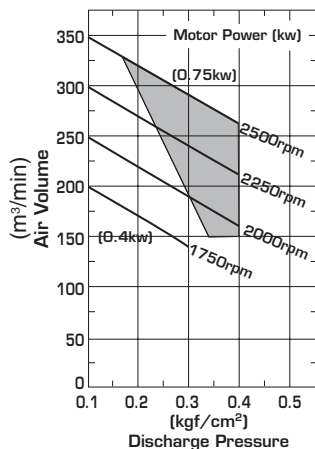
PERFORMANCE CURVE

SSR-T

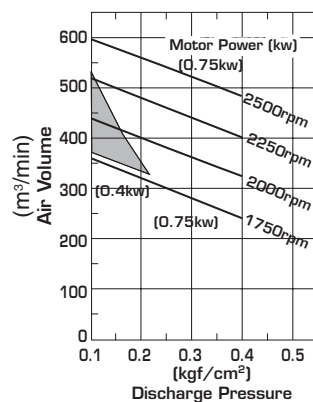
SSR-20T



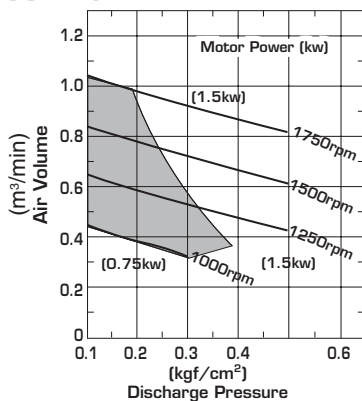
SSR-25T



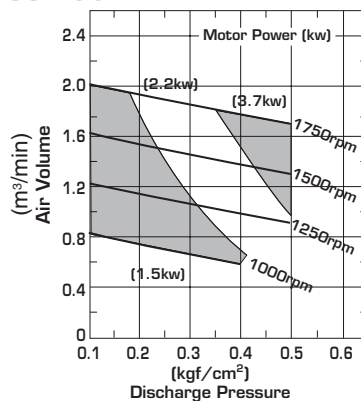
SSR-32T



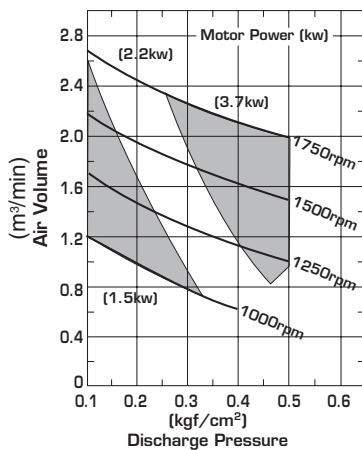
SSR-40T



SSR-50T

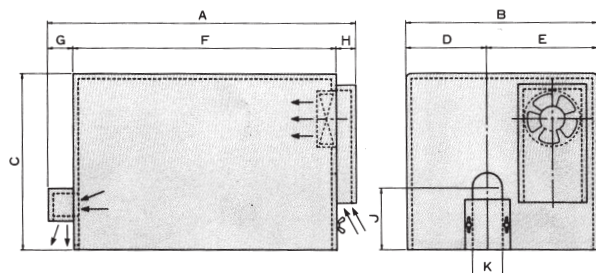


SSR-65T



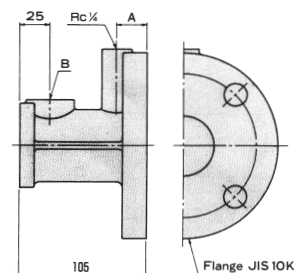
TYPES SSR - T , SSR ACCESSORIES

Silencer Box (With Fan)



Application Type	A	B	C	D	E	F	G	H	J	K	(kg) Weight
SSR-20, 25, 32T	610	380	426	160	220	520	50	40	198	60	16
SSR-40, 50, 65T	950	530	500	250	280	820	70	60	234	110	32

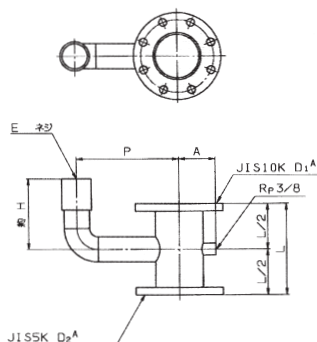
Flange Reducer (TSA)



Bore	A	B	(kg) Weight	Application Type
40A	25	Rc 1/8	3.2	SSR-40T
50A	25	Rc 1/4	3.7	SSR-50T
65A	27	Rc 3/4	4.6	SSR-65T

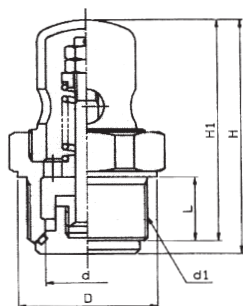
TYPE SSR VACUUM ACCESSORIES

Y shaped reducer (YSS)



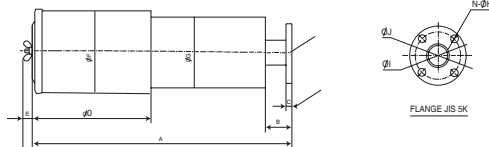
Type	D1	D2	E	L	H	P	A
YSS-50-25	50	40	G1	140	95	130	55
YSS-65-25	65	50	G1	160	105	140	60
YSS-80-32	80	65	G1 1/4	180	115	150	70
YSS-100-32	100	80	G1 1/4	200	125	160	75
YSS-125-50	125	100	G2	250	155	22	85
YSS-150-50	150	125	G2	260	160	27	100

Vacuum Breaker (VOCP-B)



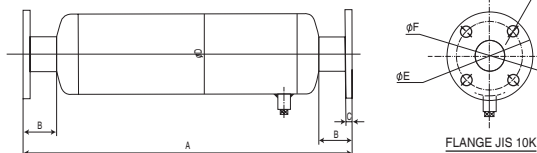
Bore	d	d1	D	L	H1	H
1	22	G1	40	20	69	73
1 1/4	30	G1 1/4	48	22	79	83
1 1/2	36	G1 1/2	54	22	83	88
2	46	G2	68	28	100	106
1 1/2	60	G1 1/2	83	30	114	120
3	72	G3	98	35	132	140
4	90	G4	125	40	172	180

Suction Silencer (KSE)



Type	Bore	A	B	C	D	E	F	G	I	J	n - ØH	Weight
XES-50	40A	547	55	12	250	18	165	140	95	120	4 - Ø15	7.5
KSE-65	50A	612	60	14	300	18	190	165	105	130	4 - Ø15	10
KSE-80	65A	702	70	14	350	22	242	216	130	155	4 - Ø15	15
XES-100	80A	800	90	14	400	22	267	242	145	180	4 - Ø19	20
KES-125	100A	972	90	16	550	22	319	268	165	200	8 - Ø19	27
KSE-150	125A	1102	90	16	600	27	356	319	200	235	8 - Ø19	38
KSE-200	200A	1450	110	20	750	47	440	380	280	320	8 - Ø23	60

Discharge Silencer (KM)



Type	Bore	A	B	C	D	E	F	n - ØH	Weight
KM-50	50A	600	60	16	140	120	155	4 - Ø19	10
KM-65	65A	700	70	16	165	140	175	4 - Ø19	14
KM-80	80A	900	80	18	190	150	185	8 - Ø19	18
KM-100	100A	1200	80	18	217	175	210	8 - Ø19	37
KM-125	125A	1400	95	20	261	210	250	8 - Ø23	44
KM-150	150A	1800	95	22	286	240	280	8 - Ø23	67
KM-200	200A	1800	110	22	320	290	330	12 - Ø23	80