ShinMaywa

Helical Rotor Blower

(Roots Type) ARH-S/SP Series



A Compact Body Packed with a High Degree of Reliability.

The Product Lineup Has Been Further Extended!

Increased discharge pressure

The blower temperature rise has been reduced through the use of a new tooth profile and the improvement of the radiation mechanism. At the same time, the burden to the grease has been reduced. As a result, the maximum discharge pressure has been increased to 50kPa {0.51kgf/cm²} for Models ARH20S to ARH40S and 60kPa {0.61kgf/cm²} for ARH50S and higher models. All models permit the use of ordinary grease available on the market.

Reliable oil seal

Fluororubber is used for the oil seal. The lubricating system is protected with the labyrinth seal which is effective to prevent oil leakage.

Easy maintenance

The bearing is fixed with a C-type snap ring. The timing gear can be disassembled easily by a gear puller. A ball bearing is employed instead of a roller bearing, to avoid damaging the inner case during reassembly. Thus, the blower maintenance has been significantly simplified.

Improved durability

The blower durability has been improved through the use of a larger bearing and the lowering of motor speed, as well as the reduction of temperature rise.



Inverter-controlled air flow rate

The inverter control system permits the motor speed to be easily changed electrically. When inverter control is used with the blower, the air flow rate can be varied freely. Also, by using a suitable control device with the blower, it is possible to implement automatic control of the blower.

(The controllable range of motor speed depends upon blower working conditions.

When using an inverter with the blower, consult your nearest dealer.) * The inverter to be used should be a constant torque inverter.

Compact size

For example, the space required for installation of Model ARH100S has been reduced by more than 30% (compared with our former model). Thus, the new series saves your valuable space.

A Variety of Uses

Water treatment

- ·Aeration at sewage treatment plants
- ·Aeration of purifying tanks in condominiums, etc.
- · Aeration of wastewater from food processing plants
- ·Aeration of wastewater from livestock farms

Cultivation

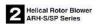
·Oxygen supply in aquariums, culture ponds, etc.

Pneumatic transportation

- ·Transportation of cement powder, etc.
- ·Transportation of wheat, soybeans, etc.
- Transfer of dust
- ·Collection of dust

Other

·Foaming of water in baths and swimming pools.



Standard Specifications

ARH-S Series

Air Cooling Fan

2000	000	(())	0390000	112/10/10	11/1/20	L.C.	do o e	LD		D-	11111000	-D	////22	L'D	V///	D	Maria de la compansa	P	000000	20m 2000			(m³/m				Power(kW
Discha Hole D	1000	Model	Pulley	Rotor Speed	27/10/27/2	kPa gf/cm²	Accessors	kPa gf/cm	20k	dPa gf/cm²	100 miles (100 miles)	kPa gf/cm²	THE RESERVE OF THE PARTY OF THE	kPa of/cm²	0.36k	kPa of/cm²	40k			kPa gf/cm		kPa .af/cm²		kPa .gf/cm²	The second second	kPa of/cm ^c	Standard Setting Motor Output
(mm	1000190	model	No.	(min-1)	Q	Р	Q	P	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	P	Q	Р	(kW)
20	A	RH20S	1	1,630	0.30			0.29		0.32	0.22	0.35	0.19				AND DESCRIPTION OF				0.10						0.4 • 0.75
0000			1	1,730	0.33					0.34	0.25	0.38	0.22	0.40		_	_				0.14				_	_	
25	Δ.	RH25S	2	2,160	0.43	0.30	0.40	0.33	0.37	0.38	0.35	0.41	0.32	0.48	0.30	0.52					0.23			0.83		Marine Marine Service	0.4 • 0.75 • 1.5
			3	2,400	0.51		The STATE OF THE S		2 2000000000000000000000000000000000000	0.43	0.42	0.48	0.39		0.37							The state of the s		The second	-	5300000000000	0.4 0.73 1.3
9000			1	1,240	0.48	_			_	0.61	0.33	0.64	0.40	0.68			0.43	-		- 0.04	0.39	0.91	0.37	1.00	0.35	1.10	
32	A	RH32S	2	1,480	0.62				OF PARTICIPATION	0.67	0.47	0.70	0.41	0.75							0.24			-	1-0		0.75 • 1.5
			3	1,740	0.76			0.69	-	0.69	0.61	0.79	0.55		0.50	A SA PARAMETER A PROPERTY	-	The state of the s		ng wind when the west		demandade	-	-			0.70
			1	1,720	0.83					0.72		0.92	0.60		0.56		0.50							1.32		-	
			2	1,840	0.87			*********	***	0.76	STATE OF THE PARTY	Printerson	0.67	1.14	0.63	*****	Market Contract of the	THE RESERVE TO SERVE AND				The second second		10000000000	-	-	
			3	1,960	0.95			0.77	Control of the last	0.85	0.80	1.03	0.76		0.71		0.67			THE OWNER OF THE OWNER		ADDITIONS		The second second	0.63	1.99	
40	A	RH40S	5	2,380	1.25		**********		THE RESERVE AND ADDRESS OF	1.12	***	1.19	1.03	1.28	0.99					1.68	#UNION/PARKET	****				*******	1.5 • 2.2 • 3.7
			6	2,520	1.34			-		1.20			1.12		1.08			-						-		2.30	
			8	2,620	1.42			1.19		1.32	1.26		1.21	1.42	1.17			-			1.05	******		-		2.41	
			9	3,000	1.61	1,30		1.40	1.49	1.50	1,45	1.64	1.40	NAME OF TAXABLE PARTY.	1.36		*****							2.51			
			1 2	1,270	1.24	CONTRACTOR OF THE PARTY OF THE	1.17	4-2004)400000000	1.09	1.0	1.02		0.95		0.88		0.81	1.7	0.74	Access to the last of the last	0.67		_	-	_	-	
-		DUESO	3	1,400	1.53		1.43		1.34	1.2	1.25		1.17		1.09		1.01		1.19		0.86		1.04	1	0.98	2.9	
50	J A	RH50S	4	1,850	2.23	1.1	2.10	1.3	1.98	1.4	1.86	1.6	1.76	1.8	1.67	2.0	1.59		1.51		1.43	Andrews and the second	1.35		1.28		1.5 • 2.2 • 3.7
			5	2,080	2.54		2.44		2.35	1.7	2.26	1.9	2.17		2.08		1.99		1.91		1.84	-	1.76		1.69	3.4	
3000			1	1,100	1.64		1.57		1.49	1.3	1.41	1.5	1.34		1.27		1,20		2.21		1.07		1.01		=	_	
			2	1,320	2.22	1.2	2.12	1.4	2.03	1.6	1.94	1.8	1.86	2.0	1.78	2.2	1.70	2.4	1.62	2.7	1.53	3.0	1.45	3.2	1.37	3.4	
			3	1,550	2.72 3.12		2.62 3.01	1.6	2.53	1.8	2.44	2.0	2.35 2.71	2.2	2.26	2.5	2.17 2.52	2.8	2.07		1.98 2.36		1.89		1.79	*****	
65	i A	RH65S	5	1,960	3.50		3.37		3,26	2.2	3.14	****	3.03		2.92		2.83	3.6	2.73		2.67	4.1	2.61	3.9 4.3	2.23		2.2 • 3.7 • 5.5
			6	2,200	3.77	Marian Maria n	3.70	and the second second	3.62	2.4	3.54	CONTRACTOR	3.46	3.2	3.39	3.7	3.32	4.1	3.26	4.5	3.20	4.9	3.15	5.2	3.09		7.5
			7 8	2,350	4.11	SECRETARIA DE LA CONTRACTORIO DE L	4.03		3.94 4.20	2.5	3.87 4.12		3.79 4.04		3.74		3.68		3.63		3.58		3.53		3.48		
			1	1,130	3.21		3.10	-	2.99	2.1	2.88	2.4	2.77	2.8	2.65		3.90 2.54		2.43		3.77 2.32		3.73		2.09	6.5 5.1	
			2	1,350	3.81		3.70		3.60	2.5	3.50	2.8	3.40		3.30	3.6	3.19	4.1	3.09	4.5	2.99	5.0	2.89	5.5	2.79	6.1	
			3	1,490	4.22		4.11	2.4	4.01	3.2	3.91 4.36	3.2	3.81 4.25	3.6	3.71 4.13		3.60 4.02		3.50		3.40	THE RESERVE OF	3.30		3.20	6.6 7.2	
80	A	RH80S	5	1,730	5.02	1	4.90	A CONTRACTOR OF STREET	4.79	3.4	4.68	3.7	4.57	4.3	4.45		4.34		4.23		4,15	-	4.06		3.57		3.7 • 5.5 • 7.5
			6	1,830	5.34		5.22		5.11	3.5	5.00	4.1	4.89	4.6	4.77	5.1	4.66	5.5	4.58	6.2	4.49	6.8	4.40	7.4	4.31	8.0	11
			7	2,040	5.74 6.07		5.63 5.96		5.52 5.85	4.0	5.44	4.6	5.35 5.68	5.2	5.29 5.62		5.22 5.55	State State States	5.16	100000000000000000000000000000000000000	5.09 5.43		5.03	8.1 8.5	4.97 5.30	8.6 9.1	
			9	2,270	6.39		6.31	4.1	6.22	4.6	6.14	5.2	6.05		5.96		5.87		5.81		5.74		5.68		5.62	9.7	
			1	1,020	4.29		4.11		3.94	3.1	3.75	3.4	3.58	3.7	3.43		3.30		3.17		3.03		2.90		2.77	enninal minimum or a	
			3	1,200	5.19 5.94		5.04	-	4.89 5.64	3.5	4.74 5.49	4.0	4.58 5.33	4.5	4.44 5.19		4.31 5.06	5.5 6.2	4.19		4.08	A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.98		3.88 4.63	8.1 9.2	
100	O AF	RH100S	4	1,490	6.44	3.3	6.29	3.8	6.14	4.4	5.99	4.9	5.83	5.4	5.69	6.0	5.56	6.8	5.44		5.33	8.2	5.23		5.13		5.5 • 7.5 • 11
			5 6	1,630	7.39 8.69		7.24 8.54		7.09	4.9 5.4	6.94 8.24	5.4 6.2	6.78 8.08	5.9 7.1	6.65 7.93		6.53 7.78		6.43 7.62	100000000000	6.33 7.47		6.23	10.3	6.13	11.0	
			1	1,160	7.58		7.35		7.11	4.3	6.88	5.0	6.64	5.8	6.41	6.7	6.17	7.6	5.94		5.70		5.46	10.3	5.23	11.3	
			2	1,290	8.67 9.29		8.43		8.19	4.7	7.95	5.4	7.71	6.3	7.47	THE RESERVE OF THE PARTY OF THE	7.23		6.99			10.1		-		MARKET PROPERTY.	
	AF	RH125S	777	1,370	CONTRACTOR OF THE PARTY OF THE	3.9	9.06	te de la constitución de la cons	8.83 9.53	4.9 5.1	8.59 9.30	5.7 6.0	8.37 9.06	6.7 7.1	8.13	7.7 8.1	7.91 8.60	8.5 9.2	7.67 8.37		Printed States of the States o	10.7	7.21		6.98 7.67	13.0	7.5 • 11 • 15
			5	1,540	10.7	4.4	10.4	5.0	10.2	5.7	9.98	6.6	9.76	177700000000000000000000000000000000000	9.53	8.8	The second second		9.08	2 C C C C C C C C C C C C C C C C C C C	8.86	100000000000000000000000000000000000000	8.64		8.41	14.8	18.5
		1000		1,710		5.1	11.8	5.4	11.5	6.8	11.3	7.4 8.2	11.1 13.0	8.6 9.7	10.9	9.7		10.9	10.5		10.3			15.1	9.84	16.5	
				1,160	9.93		9.50	4.5	9.14	5.4	8.82	6.4	8.54	7.4	8.27	8.4	8.0	9.4		10.4	7.52		7.30		11.6		
4.01			2	1,290		3.8	10.6	4.9	10.2	6.0	9.89	7.1	9.58		9.30			10.4		11.5	8.53		8.31		-	-	
125		H125SA		1,370		4.1	11.6	5.3	11.3	6.5	10.9 11.6	7.7 8.2	10.6 11.3	8.9 9.5	10.3	10.1		11.3	9.75	13.3	9.46	14.6	9.11		-	-	11-15-18.5
			5	1,540	13.7	4.8	13.3	6,1	13.0	7.4	12.6	8.8	12.3	10.2	12.0	11.5	11.7	12.9	11.4	14.3	11.2	15.6	11.0	16.9	-	-	22
			6 7	1,710		5.5 6.4	14.7	7.0 R 1	14.3	8.4	14.0	9.9	13.7	11.4		12.9		14.3				17.4		18.9	_	-	
			1	1,920		6.7	16.7	7.5	16.4 12.4		16.2 12.2	9.2	15.9 12.0	13.0	11.7	14.8		16.6				19.9		21.6 16.8	10.6	18.7	
			2	1,060	13.7	7.1	13.5	7.9	13.3	8.7	13.1	9.7	12.9	10.8	12.6	11.7	12.4	12.7	12.2	14.4	12.0	16.1	11.8	17.8	11.6	19.7	
	AF	RH125SF	3	1,130		7.9 8.1	14.6	9.0	14.4	9.4	14.1	10.3	13.9 15.1		13.7	12.6 13.8		14.0	13.2 14.4			17.3 18.5		18.9 20.3		20.8	15·18.5·22 30
				1,300		8.5	16.8	9.5	16.6		16.4	11.6	16.2			14.6		16.5				19.8		21.6		23.5	00
				1,420		9.1	18.6	10.1	18.4	11.1	18.2	12.4	18.0	13.8	17.8	16.1	17.7	18.2	17.5	20.1	17.3	22.0	17.2	23.7	17.0	25.5	
				1,000		7.1	12.7	7.5	12.4	8.3	12.2 13.1	9.2	12.0 12.9		11.7 12.6	11.0		11.9	11.3		11.0	15.0 16.1		16.8 17.8	10.6 11.6	18.7	
			3	1,130	14.8	7.9	14.6	8.6	14.4		14.1		13.9	11.4	13.7			14.0	13.2			17.3		18.9		20.8	
			4	1,210	15.9	8.1	15.7	9.0	15.5	9.9	15.3	11.1	15.1	12.2	14.8	13.8	14.6	15.3	14.4	16.8	14.2	18.5	14.0	20.3	13.8	22.2	
150) AF	RH150S		1,300		8.5 9.1	16.8	9.5	16.6 18.4	10.5	16.4 18.2	11.6 12.4	16.2 18.0		16.0 17.8			16.5 18.2	15.6 17.5		15.4 17.3	19.8 22.0		21.6 23.7	15.0 17.0	23.5 25.5	15-18.5-22
			7	1,510	19.9	9.5	19.7	10.6	19.5	11.8	19.4	13.5	19.2	15.3	19.0	17.2	18.8	19.3	18.6	21.2	18.5	23.2	18.3	24.9	18.1	26.8	30.37
				1,590 1,680				11.1	20.7		20.5		20.3		20.1			20.4				24.7		26.7	19.2		
				1,770		10.5		11.6	22.1		21.9		21.7	17.4 18.8	21.5			21.9				26.5 28.5			20.5		
			11	1,940	26.9	12.2	26.7	14.4	26.4	16.6	26.2	18.8	25.9	21.4	25.7	24.0	25.5	26.9	25.2	30.2	24.9	33.6	24.7	35.4	24.5	37.3	
				1,000		5.7 7.2	23.7	9.9	23.1		22.6 25.0	12.9	22.1		21.6			20.1				24.9		27.3		29.7	
				1,240		8.3	29.5	11.3	28.9		28.4		24.5									28.8 32.1			22.0 25.3	37.9	
200) AF	RH200S	4	1,360	33.0	10.1	32.4	13.3	31.8	16.5	31.3	19.7	30.8	22.9	30.3	26.1	29.8	29.3	29.4	32.5	29.0	35.7	28.6	38.9	28.2	42.0	18.5 • 22 • 30
8889				1,440		11.2		14.6	34.0		33.5 35.8	21.4										38.4			30.4		37.45.55
	V///10//												100	VE H	34	13	34 2	134	130 300 000	13 / U	15151100000					32.5 48.7 35.3 52.0	
			7	1,660		12.0 13.1		15.7 17.0			38.8	24.8	35.2 38.2		37.6												

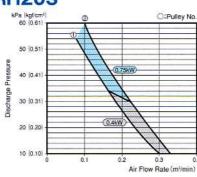
[●] Air flow rate indicates the volume of air under standard suctio conditions (temperature 20°C (68°F), relative humidity 65%).

● The tolerance for air volume at the prescribed pressure is ±5%.

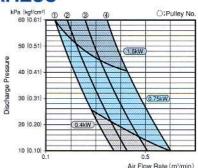
ARH-S Series

Performance Curves

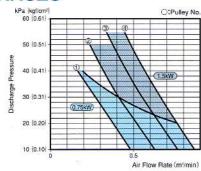
ARH20S



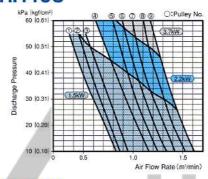
ARH25S



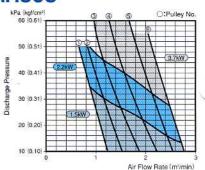
ARH32S



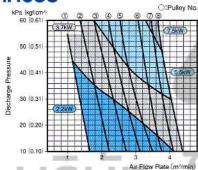
ARH40S



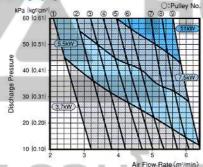
ARH50S



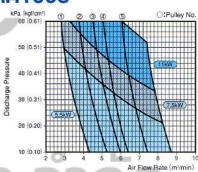
ARH65S



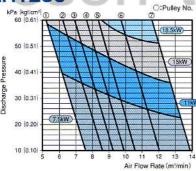
ARH80S



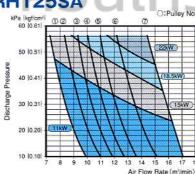
ARH100S



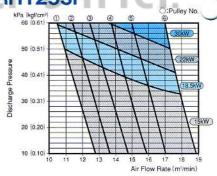
ARH125S



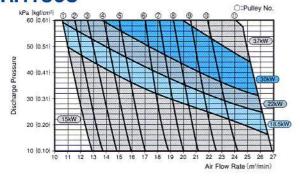
ARH125SA



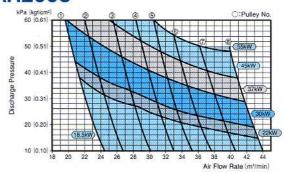
ARH125SF



ARH150S



ARH200S

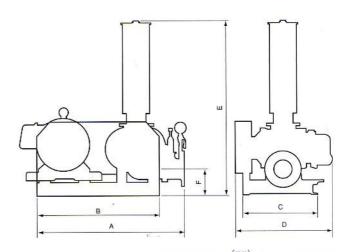


Specifications are subject to change without notice.
 Before using the blower, read the instruction manual carefully.

Sound Levels

Model Pulley No. Speed (min') 0.10kgt/cm² 0.20kgt/cm² 0.31kgt/cm² 0.41kgt/cm² 0.51kgt/cm² 0.51kgt/cm² 0.41kgt/cm² 0.51kgt/cm² 0.	7 0.61kglion — 64 65 66 67 69 — — — — — — — — — — — — — — — — — —
ARH20S 2 1,730 60 61 62 63 63 1 1,940 62 63 63 64 64 64 2 2,160 63 63 64 65 66 66 4 2,690 65 66 67 68 68 1 1,240 65 66 67 68 69 2 1,480 66 67 68 69 70 3 1,740 67 68 69 70 1 1,720 66 67 68 69 70 2 1,840 67 68 70 71 72 73 ARH40S ARH40S ARH40S ARH40S ARH40S ARH40S ARH40S ARH50S ARH50S ARH50S ARH50S ARH66S ARH66S ARH66S ARH66S ARH66S ARH66S ARH66S ARH60S	65 66 67 69
ARH25S 1	65 66 67 69
ARH25S	66 67 69
ARH25S 3 2,400 63 64 65 66 66 66 68 68 68 68 68 68 68 68 68 68	67 69
ARH32S ARH33S ARH33S	69 -
ARH32S 1	
ARH32S	
ARH32S 3 1,740 67 68 69 70 71 4 1,910 69 70 71 72 73 1 1,720 66 67 68 69 70 2 1,840 67 68 70 71 72 3 1,960 69 70 71 71 72 4 2,210 70 71 71 71 72 6 2,380 70 71 71 71 72 7 2,620 71 71 71 72 72 8 2,790 71 71 72 72 73 8 2,790 71 72 72 73 73 9 3,000 71 72 72 72 73 73 ARH40S ARH50S ARH	
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9 2,270 77 78 79 79 79	80
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2 1,200 72 73 74 76 76	78
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5 1,630 76 77 78 79 80	80
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Dimensions



							Quint,		
Bore (mm)	Model	А	В	С	D	Е	F	Standard Setting Motor Output	Weight (kg)
20	ARH20S	483	430	300	280	456	133	0.4 ~ 0.75	22
25	ARH25S	455	430	300	200	430	100	0.4 ~ 1.5	
32	ARH32S	612	487	290	394	741	135	0.75~ 1.5	45
40	ARH40S	012	467	290	394	741	133	1.5 ~ 3.7	45
50	ARH50S	676	556	330	430	809	137	1.5 ~ 3.7	70
65	ARH65S	774	636	330	446	948	147	2.2 ~ 7.5	100
-	1011000	868	704	360	456	1,009	155	3.7 ~ 7.5	140
80	ARH80S	886	722	440	466	995	143	11	145
100	ARH100S	873	122	440	569	1,098	150	5.5 ~11	170
	ARH125S	1,054	788	470	767	1,297	193	7.5 ~18.5	280
125	ARH125SA	1,048	/00	520	825	1,323	193	11 ~22	315
	ARH125SF	1,174	936	570	817	1,695	205	15 ~30	580
150	ARH150S	1,234	930	3/0	017	1,095	205	15 ~37	590
200	ARH200S	1,470	1,100	700	1,079	1,668	274	18.5 ~55	800

^{*}The flange outside diameter and bolt hole pitch comply to JIS 10K. -Models ARH20S/ARH25S are not provided with a pressure gauge. Indicated weight is for blower without motor (with base).

Motor Weight (with base)

Output (kW)	0.4	0.75	1.5	2.2	3.7	5.5
Weight (kg)	8	13	19	27	37	63
Output (kW)	7.5	11	15	18.5	22	30
Weight (kg)	77	105	118	133	176	191
Output (kW)	37	45	55			
Weight (kg)	236	256	306			

[•]The standard motor is a drip-proof type. In the case of a special motor, The base dimensions may differ.

Standard Specifications

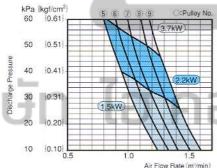
Q:Air Flow Rate (m³/min) P:Necessary Power (kW)

Discharge		0.110	Rotor	10	кРа	15	кРа	201	кРа	25	Pa	301	(Pa	351	Pa	401	кРа	45	кРа	50	(Pa	551	кРа	601	кРа	Standard
Hole Dia.	Model	Pulley No.	Speed	0.10k	gf/cm ³	0.15k	gf/cm ^a	0.20k	gf/cm ³	0.26k	gf/cm ^a	0.31k	gf/cm	0.36k	gf/cm ^a	0.41k	gf/cm ²	0.46k	gf/cm ²	0.51k	gf/cm²	0.56k	gf/cm ²	0.61k	gf/cm ²	Setting Motor
(mm)		140.	(min ⁻¹)	Q	Р	Q	Р	Q	P	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Q	Р	Output
north man	100000000000000000000000000000000000000	5	2,380	1.25	0.83	1.19	0.97	1.13	1.12	1.08	1,19	1.03	1.28	0.99	1.39	0.95	1.50	0.91	1.68	0.87	1.86	0.84	2.02	0.80	2.18	
		6	2,520	1.34	0.95	1.28	1.08	1.22	1.20	1.17	1.28	1.12	1.35	1.08	1.45	1.04	1.55	1.00	1.76	0.96	1.96	0.93	2.13	0.90	2.30	
50	ARH50SP	7	2,620	1.42	1.07	1.37	1.19	1.31	1.32	1.26	1.36	1.21	1.42	1.17	1.55	1.12	1.70	1.09	1.89	1.05	2.08	1.03	2.25	1.00	2.41	1.5 • 2.2 • 3.7
		8	2,790	1.52	1.15	1.46	1.09	1.40	1.40	1.36	1.35	1,31	1.50	1.27	1.66	1.23	1.82	1.20	2.01	1.16	2.20	1,14	2.39	1.11	2.57	
		9	3,000	1.61	1.30	1.55	1.40	1.49	1.50	1.45	1.64	1.40	1.78	1.36	1.92	1.32	2.06	1.28	2.20	1.24	2.33	1.21	2.51	1.18	2.69	
2000		4	1,850	2.23	1.1	2.11	1.3	1.98	1.4	1.87	1.6	1.76	1.8	1.67	2.0	1.59	2.2	1.51	2.5	1.43	2.7	1.35	2.9	-	-	
65	ARH65SP	5	2,080	2.54	1.2	2.45	1.5	2.35	1,7	2.26	1.9	2.17	2.1	2.08	2.4	1.99	2.6	1.91	2.8	1.84	3.0	1.76	3.2	(-)	554	1.5 • 2.2 • 3.7
		6	2,230	2.77	1.3	2.68	1.6	2.59	1.9	2.51	2,1	2.43	2.3	2.36	2.6	2.28	2.8	2.21	3.1	2.13	3.3	2.06	3.4	-	-	
		4	1,730	3.12	1.5	3.01	1.8	2.91	2.0	2.81	2.2	2.71	2.7	2.61	2.9	2.52	3.2	2.42	3.4	2.36	3.7	2.30	3.9	2.23	4.2	
		5	1,960	3.50	1.7	3.37	2.0	3.26	2.2	3.14	2.7	3.03	3.1	2.92	3.3	2.83	3.6	2.73	3.9	2.67	4,1	2.61	4.3	2.55	4.6	
80	ARH80SP	6	2,200	3.77	1.9	3.70	2.2	3.62	2.4	3.54	2.8	3.46	3.2	3.39	3.7	3.32	4.1	3.26	4.5	3.20	4.9	3.15	5.2	3.09	5.4	3.7 - 5.5 - 7.5
		7	2,350	4.11	2.2	4.03	2.3	3.94	2.5	3.87	3.0	3.79	3.5	3.74	4.0	3.68	4.4	3.63	4.8	3.58	5.1	3.53	5.5	3.48	6.0	
		8	2,500	4.38	2.4	4.29	2.6	4.20	2.8	4.12	3.3	4.04	3.7	3.97	4.2	3.90	4.7	3.84	5.2	3.77	5.7	3.73	6.1	3.68	6.5	
		6	1,830	5.34	2.4	5.22	3.0	5.11	3.5	5.00	4.1	4.89	4.6	4.77	5.1	4.66	5.5	4.58	6.2	4.49	6.8	4.40	7.4	4.31	8.0	
100	ARH100SP	7	2,040	5.74	2.8	5.63	3.4	5.52	4.0	5.44	4.6	5.35	5.2	5.29	5.6	5.22	6.2	5.16	6.9	5.09	7.5	5.03	8.1	4.97	8.6	55.75.44
100	AHHIOUSE	8	2,150	6.07	3.0	5.96	3.7	5.85	4.2	5.77	4.8	5.68	5.3	5.62	6.0	5.55	6.6	5.49	7.4	5.43	7.8	5.37	8.5	5.30	9.1	5.5 • 7.5 • 11
		9	2,270	6.39	3.5	6.31	4.1	6.22	4.6	6.14	5.2	6.05	5.8	5.96	6.6	5.87	7.3	5.81	7.8	5.74	8.5	5.68	9.1	5.62	9.7	

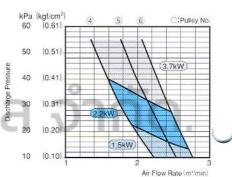
 [◆]Air flow rate indicates the volume of air under standard suctio conditions (temperature 20°C (68°F), relative humidity 65%).
 ◆The tolerance for air volume at the prescribed pressure is ±5%.

Performance Curves

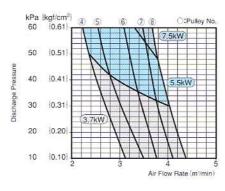




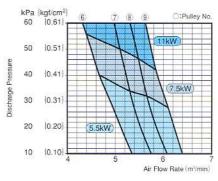
ARH65SP



ARH80SP



ARH100SP



Specifications are subject to change without notice.
 Before using the blower, read the instruction manual carefully.

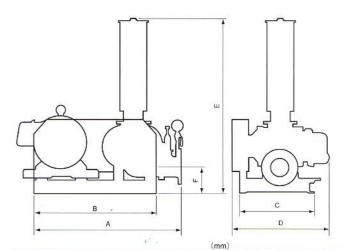
ARH-SP Series

Sound Levels

Model	Pulley	Rotor	10kPa	20kPa	30kPa	40kPa	50kPa	60kPa
Model	No.	Speed (min-1)	0.10kgf/cm ²	0.20kgf/cm²	0.31kgf/cm ²	0.41kgf/cm²	0.51kgf/cm²	0.61kgf/cm²
	5	2,380	70	71	71	71	72	74
	6	2,520	70	71	. 71	72	72	74
ARH50SP	7	2,620	71	71	72	72	73	74
	8	2,790	71	72	72	73	73	75
	9	3,000	71	72	72	73	74	75
	4	1,850	70	70	71	72	73	74
ARH65SP	5	2,080	70	71	72	73	74	75
	6	2,230	72	74	74	74	75	75
	4	1,730	67	68	69	71	73	73
	5	1,960	67	69	71	72	74	75
ARH80SP	6	2,200	68	70	71	72	74	75
	7	2,350	70	71	72	73	74	76
	8	2,500	72	73	74	75	75	76
	6	1,830	75	76	77	78	79	80
ADUMANCO	7	2,040	76	77	78	79	79	80
ARH100SP	8	2,150	77	78	78	79	79	80
	9	2,270	77	78	79	79	79	80

Sound levels in dB (A) at a distance of 1m from machine side (±3 dB (A)).

Dimensions



Bore (mm)	Model	А	В	С	D	E	F	Standard Setting Motor Output	Weight (kg)
50	ARH50SP	607	487	290	394	741	135	1.5~3.7	45
65	ARH65SP	681	556	330	430	809	137	1.5~3.7	70
80	ARH80SP	789	636	330	446	948	147	3.7~7.5	100
100	ARH100SP	868	704	360	456	1,009	155	5.5~7.5	140
100	Anniouse	886	722	440	466	995	143	11	145

- •The flange outside diameter and bolt hole pitch comply to JIS 10K. •Models ARH20S/ARH25S are not provided with a pressure gauge. •Indicated weight is for blower without motor (with base).

Motor Weight (with base)

Output (kW)	1.5	2.2	3.7	5.5	7.5	11
Weight (kg)	19	27	37	63	77	105

[·]The standard motor is a drip-proof type. In the case of a special motor, The base dimensions may

Accessories

Standard Accessories

- Commom base······
- V-pulley, V-belt,Belt cover · · · · · · · · 1
- Pressure gauge (with gauge cock 160kPa) · · 1
- Intake silencer (with filter) · · · · · · · · 1
- Check valve (with safety valve) · · · · · · · · 1

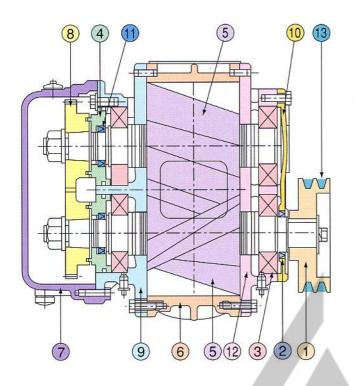
[ARH-S/SP Series]

Optional Accessories

- Discharge Silencer
- Flexible tube
- Rubber vibration isolator
- •Pressure gauge stand, belt cover with lining, and soundproof box are also available.

ARH-S/SP Series

Sectional view



No.	Part name	Material
1	V-pulley	FC200
2	Oil seal	Nitryl rubber
3	Ball bearing	_
4	Oil stopper	SS400
5	Rotor	FCD500 (FC200)
6	Casing	FC200
7	Gear case	FC200
8	Timing gear	SCM415
9	Bearing case	FC200
10	Bearing cover	ARH32S~65S:SPHC ARH80S·100S:SPCC Other:FC200
11	Oil seal	Fluoro rubber
12	Bearing plate	FC200
13	V-belt	_

Note) FC : Gray iron casting FCD : Ductile iron casting SCM : Chromium molybdenum steel SS : Mild steel SPCC/SPHC : Rolled steel

Packing Size

MARH-S

Мо	odel	Length L	Width W	Height H (mm)
	120S 125S	520	460	300
	132S 140S	750	530	800
ARH	150S	850	610	820
ARH65S		990	630	890
A DU 1000	3.7~7.5kW	1,080	700	930
ARH80S	11kW	1,200	790	1,000
ARH	100S	1,200	790	1,000
ARH	125S	1,280	910	1,150
ARH1	125SA	1,280	970	1,150
ARH125SF		1,520	960	1,310
ARH	150S	1,520	960	1,310
ARH	200S	1,780	1,230	1,300

MARH-SP

Мо	del	Length L	Width	Height H (mm)
ARH	50SP	750	530	800
ARH	65SP	850	610	820
ARH	80SP	990	630	890
ABILLOSOB	3.7~7.5kW	1,080	700	930
ARH100SP	11kW	1,200	790	1,000

Specifications and dimensions are subject to change without notice.

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