

San Ace Controller

Model no.	Note	page
9CT1-001	With wireless LAN	584
9CT1-002	Without wireless LAN	
9CT1-U001	With wireless LAN, cUL certified	

PWM Controller

Model no.	Note	page
9PC8666X-S001	Box type	588
9PC8666X-S101		
9PC8045D-V001	PCB type	
9PC8045D-R001		
9PC8045D-T001		
9PC8045D-V101		
9PC8045D-R101		
9PC8045D-T101		

Airflow Tester

Model no.	page
9AT2560S-000□*	592
9AT2560A-000□*	
9AT2560C-000□*	

* The AC power plug shape differs with the number in □ of model numbers.
AC power plug included in models with 1 in □ is for Japan and North America regions (2 parallel flat pins + a round grounding pin), Input voltage: 100/120 VAC, 50/60 Hz
AC power plug included in models with 2 in □ is for Europe region (2 round pins + a female grounding contact), Input voltage: 220 VAC, 50 Hz
AC power plug included in models with 3 in □ is for China region (2 angled flat pins + a flat grounding pin), Input voltage: 220 VAC, 50 Hz
Product also available without an AC power cable. Model no. 9AT2560S-0000, 9AT2560A-0000, 9AT2560C-0000

Finger Guards

Model no.	Category	Matching fan size	page
109-019E	Finger Guards	120 mm sq. type	599
109-019K	Finger Guards	120 mm sq. type	599
109-049E	Finger Guards	80 mm sq. type	598
109-049H	Finger Guards	80 mm sq. type	598
109-059	Finger Guards	40 mm sq. type	598
109-059H	Finger Guards	40 mm sq. type	598
109-099E	Finger Guards	92 mm sq., ^ø 100 mm type	598
109-099H	Finger Guards	92 mm sq., ^ø 100 mm type	598
109-1050	Finger Guards	36 mm sq. type	598
109-1051	Finger Guards	150 mm sq. type	599
109-1065	Finger Guards	38 mm sq. type	598
109-1066	Finger Guards	^ø 172 mm type	600
109-1102	Finger Guards	^ø 200 mm type	601
109-1102H	Finger Guards	^ø 200 mm type	601
109-1104	Finger Guards	^ø 150 mm type	599
109-1104H	Finger Guards	^ø 150 mm type	599
109-1112	Finger Guards	^ø 133 mm type	599
109-1112H	Finger Guards	^ø 133 mm type	599
109-1128	Finger Guards	70 mm sq., ^ø 70 mm type	598
109-1137	Finger Guards	^ø 225 mm type	601
109-1137H	Finger Guards	^ø 225 mm type	601
109-1138	Finger Guards	^ø 221 mm type	601
109-1138H	Finger Guards	^ø 221 mm type	601
109-1139	Finger Guards	^ø 136 mm type	599
109-1146	Finger Guards	270 mm sq. type	602
109-1146H	Finger Guards	270 mm sq. type	602
109-1147	Finger Guards	^ø 92 mm type	598
109-1152	Finger Guards	^ø 250 mm type	602
109-1152H	Finger Guards	^ø 250 mm type	602
109-1155	Finger Guards	^ø 172 mm type	600
109-1155H	Finger Guards	^ø 172 mm type	600
109-1156	Finger Guards	52 mm sq. type	598
109-139E	Finger Guards	60 mm sq. type	598
109-139H	Finger Guards	60 mm sq. type	598
109-319E	Finger Guards	^ø 172 mm type	600
109-319H	Finger Guards	^ø 172 mm type	600
109-319J	Finger Guards	^ø 172 mm type	600
109-619E	Finger Guards	160 mm sq. type	599
109-619H	Finger Guards	160 mm sq. type	599
109-719	Finger Guards	140 mm sq. type	599
109-719H	Finger Guards	140 mm sq. type	599
109-722	Finger Guards	127 mm sq., ^ø 175 mm, ^ø 190 mm type	599
109-722H	Finger Guards	127 mm sq., ^ø 175 mm, ^ø 190 mm type	599

■ Resin Finger Guards/Resin Filter Kits

Model no.	Category	Matching fan size	page
109-1000F13	Resin Filter Kits	120 mm sq. type	606
109-1000F20	Resin Filter Kits	120 mm sq. type	606
109-1000F30	Resin Filter Kits	120 mm sq. type	606
109-1000F40	Resin Filter Kits	120 mm sq. type	606
109-1001F13	Resin Filter Kits	92 mm sq. type	606
109-1001F20	Resin Filter Kits	92 mm sq. type	606
109-1001F30	Resin Filter Kits	92 mm sq. type	606
109-1001F40	Resin Filter Kits	92 mm sq. type	606
109-1002F13	Resin Filter Kits	80 mm sq. type	606
109-1002F20	Resin Filter Kits	80 mm sq. type	606
109-1002F30	Resin Filter Kits	80 mm sq. type	606
109-1002F40	Resin Filter Kits	80 mm sq. type	606
109-1003F13	Resin Filter Kits	60 mm sq. type	606
109-1003F20	Resin Filter Kits	60 mm sq. type	606
109-1003F30	Resin Filter Kits	60 mm sq. type	606
109-1003F40	Resin Filter Kits	60 mm sq. type	606
109-1000G	Resin Finger Guards	120 mm sq. type	605
109-1001G	Resin Finger Guards	92 mm sq. type	605
109-1002G	Resin Finger Guards	80 mm sq. type	605
109-1003G	Resin Finger Guards	60 mm sq. type	605

■ Replacement filter

Model no.	Category	Matching fan size	page
109-1000M13	Replacement filter	120 mm sq. type	606
109-1000M20	Replacement filter	120 mm sq. type	606
109-1000M30	Replacement filter	120 mm sq. type	606
109-1000M40	Replacement filter	120 mm sq. type	606
109-1001M13	Replacement filter	92 mm sq. type	606
109-1001M20	Replacement filter	92 mm sq. type	606
109-1001M30	Replacement filter	92 mm sq. type	606
109-1001M40	Replacement filter	92 mm sq. type	606
109-1002M13	Replacement filter	80 mm sq. type	606
109-1002M20	Replacement filter	80 mm sq. type	606
109-1002M30	Replacement filter	80 mm sq. type	606
109-1002M40	Replacement filter	80 mm sq. type	606
109-1003M13	Replacement filter	60 mm sq. type	606
109-1003M20	Replacement filter	60 mm sq. type	606
109-1003M30	Replacement filter	60 mm sq. type	606
109-1003M40	Replacement filter	60 mm sq. type	606

■ EMC guards/Inlet nozzle for centrifugal fan and splash proof centrifugal fan

Model no.	Category	Matching fan size	page
109-1036	EMC guards	Ø172 mm type	604
109-1037	EMC guards	120 mm sq. type	604
109-1038	EMC guards	80 mm sq. type	604
109-1039	EMC guards	80 mm sq. type	604
109-1040	EMC guards	92 mm sq. type	604
109-1069	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø133 mm type	603
109-1069H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø133 mm type	603
109-1073	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø175 mm, Ø190 mm type	603
109-1073H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø175 mm, Ø190 mm type	603
109-1080	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø100 mm type	603
109-1080H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø100 mm type	603
109-1081	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø150 mm type	603
109-1081H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø150 mm type	603
109-1106	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø70 mm type	603
109-1134	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø225 mm type	603
109-1134H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø225 mm type	603
109-1135	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø221 mm type	603
109-1135H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø221 mm type	603
109-1151	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø250 mm type	603
109-1151H	Inlet nozzle for centrifugal fan and splash proof centrifugal fan	Ø250 mm type	603

■ Filter kits/Screen kits

Model no.	Category	Matching fan size	Note	page
109-018	Filter kits	120 × 120 × 38 mm	Not mountable on AC fans with a sensor or ACDC fans.	608
109-020	Screen kits	120 × 120 × 38 mm		608

■ Plug Cord

Model no.	UL	CSA	PSE	Applicable model	page
489-006-L10			✓	120 × 120 × 38 mm	609
489-006-L21			✓	120 × 120 × 38 mm	609
489-006-L35			✓	120 × 120 × 38 mm	609
489-007-L10	✓	✓		120 × 120 × 38 mm	610
489-007-L21	✓	✓		120 × 120 × 38 mm	610
489-008-L10			✓	80 × 80 × 42 mm	609
489-008-L21			✓	80 × 80 × 42 mm	609
489-008-L35			✓	80 × 80 × 42 mm	609
489-016-L10			✓	120 × 120 × 25 mm 92 × 92 × 25 mm 80 × 80 × 25 mm 80 × 80 × 38 mm	609
489-016-L21			✓	120 × 120 × 25 mm 92 × 92 × 25 mm 80 × 80 × 25 mm 80 × 80 × 38 mm	609
489-037-L10			✓	120 × 120 × 38 mm	609
489-037-L21			✓	120 × 120 × 38 mm	609
489-037-L35			✓	120 × 120 × 38 mm	609
489-047-L10	✓	✓		120 × 120 × 25 mm 92 × 92 × 25 mm 80 × 80 × 25 mm 80 × 80 × 38 mm	610
489-047-L21	✓	✓		120 × 120 × 25 mm 92 × 92 × 25 mm 80 × 80 × 25 mm 80 × 80 × 38 mm	610
489-084-L10	✓	✓		Ø172 × 51 mm Ø172 × 150 × 51 mm 160 × 160 × 51 mm	610
489-084-L21	✓	✓		Ø172 × 51 mm Ø172 × 150 × 51 mm 160 × 160 × 51 mm	610
489-1619-L10			✓	Ø172 × 51 mm Ø172 × 150 × 51 mm 160 × 160 × 51 mm	609
489-1619-L21			✓	Ø172 × 51 mm Ø172 × 150 × 51 mm 160 × 160 × 51 mm	609
489-1635-L10	✓	✓	✓	ACDC Fan (92 × 92 × 38 mm)	611
489-1635-L21	✓	✓	✓	ACDC Fan (120 × 120 × 38 mm 9AD type)	611
489-1652-L10	✓	✓	✓	160 × 160 × 51 mm	610
489-1652-L21	✓	✓	✓	160 × 160 × 51 mm	610

Typical Connectors for DC Fans page 612

■ Sensor extension wiring harness

Model no.	Compatible fan	page
489-1636	San Ace 92AD 9AD type (with sensor) San Ace 120AD 9AD type (120 × 120 × 38 mm, with sensor)	611

■ Terminal model wiring harness

Model no.	Compatible fan	page
489-1647	San Ace 160AD 9AD type (terminal type)	611
489-1648	San Ace 160AD 9ADW type (terminal type)	
489-1650	San Ace 172AD 9AD type (terminal type)	
489-1651	San Ace 172AD 9ADW type (terminal type)	

Following models were deleted in this latest version of catalog. However, these models are not discontinued product. Please contact us for further assistance if necessary.

DC Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
52 × 52 × 15 mm	109P0505M701	Plastics	5	4.5 to 5.5	0.15	0.75	3700	0.205	7.2	21.4	0.086	22	-20 to +70	60000/60°C
80 × 80 × 20 mm	109P0848C601	Plastics	48	38 to 57.6	0.08	3.84	3700	1.07	37.8	46	0.185	39	-20 to +70	40000/60°C
80 × 80 × 20 mm	109P0848H601	Plastics	48	38 to 57.6	0.05	2.4	2900	0.84	29.7	29.4	0.118	31	-20 to +60	40000/60°C
92 × 92 × 25 mm	9GA0912W401	Plastics	12	7 to 16	0.19	2.28	3300	1.45	51.2	45.6	0.18	31	-20 to +70	60000/60°C
92 × 92 × 25 mm	9GA0912L401	Plastics	12	10.2 to 13.8	0.09	1.08	2000	0.87	30.7	16.7	0.067	21	-20 to +70	60000/60°C
92 × 92 × 25 mm	9GA0924W401	Plastics	24	12 to 28.8	0.09	2.16	3300	1.45	51.2	45.6	0.18	31	-20 to +70	60000/60°C
92 × 92 × 25 mm	9GA0924L401	Plastics	24	14 to 27.6	0.03	0.72	2000	0.87	30.7	16.7	0.067	21	-20 to +70	60000/60°C
127 × 127 × 38 mm	109P1312S101	Plastics	12	10.2 to 13.8	1.3	15.6	3300	4.2	148	117.6	0.472	47	-20 to +60	40000/60°C
127 × 127 × 38 mm	109P1312H101	Plastics	12	10.2 to 13.8	0.82	9.84	2950	3.8	134	98	0.394	45	-20 to +60	40000/60°C
127 × 127 × 38 mm	109P1324S101	Plastics	24	20.4 to 27.6	0.55	13.2	3300	4.2	148	117.6	0.472	47	-20 to +60	40000/60°C
127 × 127 × 38 mm	109P1324H101	Plastics	24	20.4 to 27.6	0.41	9.84	2950	3.8	134	98	0.394	45	-20 to +60	40000/60°C
127 × 127 × 38 mm	109P1348S101	Plastics	48	40.8 to 55.2	0.3	14.4	3300	4.2	148	117.6	0.472	47	-20 to +60	40000/60°C
127 × 127 × 38 mm	109P1348H101	Plastics	48	40.8 to 55.2	0.2	9.6	2950	3.8	134	98	0.394	45	-20 to +60	40000/60°C
127 × 127 × 38 mm	109E1312A101	Aluminum	12	10.2 to 13.8	1.4	16.8	3850	4.81	170	155	0.622	52	-20 to +70	60000/60°C
127 × 127 × 38 mm	109E1312S101	Aluminum	12	10.2 to 13.8	1.2	14.4	3450	4.37	154	125	0.502	49	-20 to +70	60000/60°C
127 × 127 × 38 mm	109E1324G101	Aluminum	24	20.4 to 27.6	1.1	26.4	4550	5.66	200	216	0.867	57	-20 to +60	40000/60°C
127 × 127 × 38 mm	109E1324A101	Aluminum	24	20.4 to 27.6	0.7	16.8	3850	4.81	170	155	0.622	52	-20 to +70	60000/60°C
127 × 127 × 38 mm	109E1324S101	Aluminum	24	20.4 to 27.6	0.53	12.7	3450	4.37	154	125	0.502	49	-20 to +70	60000/60°C
127 × 127 × 38 mm	109E1348G101	Aluminum	48	40.8 to 55.2	0.54	25.9	4550	5.66	200	216	0.867	57	-20 to +60	40000/60°C
127 × 127 × 38 mm	109E1348A101	Aluminum	48	40.8 to 55.2	0.36	17.3	3850	4.81	170	155	0.622	52	-20 to +70	60000/60°C
127 × 127 × 38 mm	109E1348S101	Aluminum	48	40.8 to 55.2	0.28	13.4	3450	4.37	154	125	0.502	49	-20 to +70	60000/60°C
Ø172 × 150 × 51 mm	9GV5724H501	Aluminum	24	20.4 to 27.6	4.0	96	6300	11.32	400	690	2.77	74	-20 to +70	40000/60°C
Ø172 × 150 × 51 mm	9GV5748H501	Aluminum	48	40.8 to 55.2	2.0	96	6300	11.32	400	690	2.77	74	-20 to +70	40000/60°C
Ø200 × 70 mm	109E2024S001	Aluminum	24	21.6 to 26.4	1.9	45.6	3200	10.45	369	287.1	1.153	57	-10 to +70	40000
Ø200 × 70 mm	109E2024H001	Aluminum	24	20.4 to 27.6	1.0	24	2600	8.2	289.5	192	0.771	51	-10 to +70	40000
Ø200 × 70 mm	109E2024AS001	Aluminum	24	21.6 to 26.4	1.9	45.6	3200	10.45	369	287.1	1.153	57	-10 to +70	40000
					1.45	34.8	2800	9	317.8	215.6	0.865	54		
Ø200 × 70 mm	109E2024MH001	Aluminum	24	20.4 to 27.6	1.0	24	2600	8.2	289.5	192	0.771	51	-10 to +70	40000
					0.63	15.12	2100	6.7	236.6	115.4	0.463	45		

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
80 × 80 × 25 mm	9GA0812P4H001	Plastics	12	10.8 to 13.2	100	0.22	2.64	5200	1.46	51.5	87.7	0.35	37	-20 to +70	60000/60°C
					25	0.06	0.72	1600	0.44	15.5	8.3	0.03	17		
80 × 80 × 25 mm	9GA0824P4H001	Plastics	24	21.6 to 26.4	100	0.1	2.4	5200	1.46	51.5	87.7	0.35	37	-20 to +70	60000/60°C
					25	0.02	0.48	1500	0.42	14.8	7.2	0.02	17		
80 × 80 × 38 mm	9GV0812P1F03	Plastics	12	10.2 to 13.8	100	1.5	18	8000	3.05	108.0	301.0	1.21	58	-20 to +70	40000/60°C
					0	0.12	1.44	2400	0.92	32.0	27.1	0.11	26		
80 × 80 × 38 mm	9GV0812P1M03	Plastics	12	10.2 to 13.8	100	0.75	9	6000	2.29	81.0	169.0	0.68	51	-20 to +70	40000/60°C
					0	0.09	1.08	1700	0.65	23.0	13.6	0.05	19		
Ø200 × 70 mm	9GV2048P0G201	Aluminum	48	36 to 72	100	12.5	600	8000	31.5	1112	1400	5.62	81	-20 to +70	40000/60°C

* PWM frequency: 25 kHz (Model 9GV2048P0G201 is 1 kHz.)

Counter Rotating Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]		Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
38 × 38 × 48 mm	9CRA0312P4K03	Plastics	12	10.8 to 13.2	100	1.5	18.0	17600	14520	0.77	27.2	700.0	2.81	64	-20 to +70	40000/60°C
					0	0.2	2.4	5280	4200	0.22	7.8	54.9	0.22	33		
38 × 38 × 48 mm	9CRA0312P4J03	Plastics	12	10.8 to 13.2	100	1.1	13.2	16000	13200	0.7	24.7	560.0	2.25	62	-20 to +70	40000/60°C
					0	0.18	2.2	4800	3960	0.21	7.4	50.4	0.2	31		

* PWM frequency: 25 kHz

Note: Storage temperature is -30 to +70°C.

■ Long Life Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
120×120×38 mm	9GL1212G101	Aluminum	12	10.2 to 13.8	0.98	11.8	3600	3.88	137	135	0.542	49	-20 to +70	80000/60°C
120×120×38 mm	9GL1212E101	Aluminum	12	10.2 to 13.8	0.61	7.32	3100	3.34	118	100	0.402	46	-20 to +70	80000/60°C
120×120×38 mm	9GL1212H101	Aluminum	12	7 to 13.8	0.38	4.56	2600	2.8	99	70.4	0.283	39	-20 to +70	100000/60°C
120×120×38 mm	9GL1212F101	Aluminum	12	7 to 13.8	0.28	3.36	2280	2.45	87	54.2	0.218	36	-20 to +70	100000/60°C
120×120×38 mm	9GL1212M101	Aluminum	12	7 to 13.8	0.21	2.52	1950	2.1	74	39.6	0.159	32	-20 to +70	100000/60°C
120×120×38 mm	9GL1224G101	Aluminum	24	20.4 to 27.6	0.5	12.0	3600	3.88	137	135	0.542	49	-20 to +70	80000/60°C
120×120×38 mm	9GL1224E101	Aluminum	24	20.4 to 27.6	0.34	8.16	3100	3.34	118	100	0.402	46	-20 to +70	80000/60°C
120×120×38 mm	9GL1224H101	Aluminum	24	14 to 27.6	0.22	5.28	2600	2.8	99	70.4	0.283	39	-20 to +70	100000/60°C
120×120×38 mm	9GL1224F101	Aluminum	24	14 to 27.6	0.16	3.84	2280	2.45	87	54.2	0.218	36	-20 to +70	100000/60°C
120×120×38 mm	9GL1224M101	Aluminum	24	14 to 27.6	0.11	2.64	1950	2.1	74	39.6	0.159	32	-20 to +70	100000/60°C
120×120×38 mm	9GL1248G101	Aluminum	48	40.8 to 55.2	0.25	12.0	3600	3.88	137	135	0.542	49	-20 to +70	80000/60°C
120×120×38 mm	9GL1248E101	Aluminum	48	40.8 to 55.2	0.17	8.16	3100	3.34	118	100	0.402	46	-20 to +70	80000/60°C
120×120×38 mm	9GL1248H101	Aluminum	48	40.8 to 55.2	0.11	5.28	2600	2.8	99	70.4	0.283	39	-20 to +70	100000/60°C
120×120×38 mm	9GL1248F101	Aluminum	48	40.8 to 55.2	0.09	4.32	2280	2.45	87	54.2	0.218	36	-20 to +70	100000/60°C
120×120×38 mm	9GL1248M101	Aluminum	48	40.8 to 55.2	0.07	3.36	1950	2.1	74	39.6	0.159	32	-20 to +70	100000/60°C

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]		Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
60×60×76 mm	9CRLA0612P0G001	Aluminum	12	10.8 to 13.2	100	3.0	36.0	16500	17800	2.1	74.1	1400	5.62	70	-20 to +70	100000/60°C
					20	0.4	4.8	5000	5400	0.64	22.6	128	0.51	43		

* PWM frequency: 25 kHz

■ Splash Proof Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
40×40×20 mm	9WP0412H6001	Plastics	12	7 to 13.8	0.1	1.2	8000	0.225	8.0	65.7	0.264	33	-10 to +60	40000/60°C
40×40×20 mm	9WP0412F6001	Plastics	12	7 to 13.8	0.06	0.72	6500	0.183	6.5	45.1	0.181	28	-10 to +60	40000/60°C
80×80×25 mm	9WS0812H401	Plastics	12	10.2 to 13.8	0.16	1.92	3100	0.94	33.2	45.1	0.181	32	-20 to +70	40000/60°C
80×80×25 mm	9WS0812F401	Plastics	12	10.2 to 13.8	0.13	1.56	2700	0.83	29.3	34.3	0.138	28	-20 to +70	40000/60°C
80×80×25 mm	9WS0812M401	Plastics	12	10.2 to 13.8	0.1	1.2	2200	0.65	23.0	23.5	0.094	23	-20 to +70	40000/60°C
80×80×25 mm	9WS0824H401	Plastics	24	20.4 to 27.6	0.09	2.16	3100	0.94	33.2	45.1	0.181	32	-20 to +70	40000/60°C
80×80×25 mm	9WS0824F401	Plastics	24	20.4 to 27.6	0.07	1.68	2700	0.83	29.3	34.3	0.138	28	-20 to +70	40000/60°C
80×80×25 mm	9WS0824M401	Plastics	24	20.4 to 27.6	0.05	1.2	2200	0.65	23.0	23.5	0.094	23	-20 to +70	40000/60°C
92×92×25 mm	9WS0912H401	Plastics	12	10.2 to 13.8	0.17	2.04	2850	1.38	48.7	45.1	0.181	33	-20 to +70	40000/60°C
92×92×25 mm	9WS0912F401	Plastics	12	10.2 to 13.8	0.13	1.56	2450	1.18	41.7	32.3	0.13	30	-20 to +70	40000/60°C
92×92×25 mm	9WS0912M401	Plastics	12	10.2 to 13.8	0.1	1.2	2100	1.01	35.7	23.5	0.094	27	-20 to +70	40000/60°C
92×92×25 mm	9WS0912L401	Plastics	12	10.2 to 13.8	0.06	0.72	1700	0.8	28.2	16.7	0.067	23	-20 to +70	40000/60°C
92×92×25 mm	9WS0924H401	Plastics	24	20.4 to 27.6	0.1	2.4	2850	1.38	48.7	45.1	0.181	33	-20 to +70	40000/60°C
92×92×25 mm	9WS0924F401	Plastics	24	20.4 to 27.6	0.07	1.68	2450	1.18	41.7	32.3	0.13	30	-20 to +70	40000/60°C
92×92×25 mm	9WS0924M401	Plastics	24	20.4 to 27.6	0.06	1.44	2100	1.01	35.7	23.5	0.094	27	-20 to +70	40000/60°C
92×92×25 mm	9WS0924L401	Plastics	24	20.4 to 27.6	0.05	1.2	1700	0.8	28.2	16.7	0.067	23	-20 to +70	40000/60°C
120×120×38 mm	9WP1212H101	Plastics	12	7 to 13.8	0.38	4.56	2600	2.8	99	70.4	0.283	39	-20 to +70	40000/60°C
120×120×38 mm	9WP1212M101	Plastics	12	7 to 13.8	0.21	2.52	1950	2.1	74.2	39.6	0.159	32	-20 to +70	40000/60°C
120×120×38 mm	9WP1212L101	Plastics	12	10.2 to 13.8	0.14	1.68	1500	1.62	57.2	23.4	0.094	26	-20 to +70	40000/60°C
120×120×38 mm	9WP1224H101	Plastics	24	14 to 27.6	0.22	5.28	2600	2.8	99	70.4	0.283	39	-20 to +70	40000/60°C
120×120×38 mm	9WP1224M101	Plastics	24	14 to 27.6	0.11	2.64	1950	2.1	74.2	39.6	0.159	32	-20 to +70	40000/60°C
120×120×38 mm	9WP1248H101	Plastics	48	40.8 to 55.2	0.11	5.28	2600	2.8	99	70.4	0.283	39	-20 to +70	40000/60°C
120×120×38 mm	9WP1248M101	Plastics	48	40.8 to 55.2	0.07	3.36	1950	2.1	74.2	39.6	0.159	32	-20 to +70	40000/60°C

■ Splash Proof Centrifugal Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
ø100×25 mm	9W1TM48P4G01	Aluminum	48	36 to 60	100	0.36	17.28	7400	2.03	71.7	708	2.84	65	-20 to +70	40000/60°C
					100	0.22	10.56	6400	1.77	62.5	560	2.25	60		
ø100×25 mm	9W1TM48P4H01	Aluminum	48	36 to 60	0	0.04	1.92	2000	0.51	18.0	48	0.19	34	-20 to +70	40000/60°C
ø133×91 mm	9W1TJ24P0H61	Aluminum	24	20.4 to 27.6	100	1.2	28.8	4150	6.39	225.0	395	1.59	61	-20 to +70	40000/60°C
ø133×91 mm	9W1TJ48P0H61	Aluminum	48	36 to 60	100	0.55	26.4	4150	6.39	225.0	395	1.59	61	-20 to +70	40000/60°C
ø150×35 mm	9W1TN48P1H01	Aluminum	48	36.0 to 55.2	100	0.32	15.4	3800	3.83	135.0	390	1.57	59	-20 to +70	40000/60°C

* PWM frequency: 25 kHz

Note: Storage temperature is -30 to +70°C.

Finger Guard

Size	Mounting side	Model no.	Surface treatment	Mass (g)
52 mm sq. type	Outlet side	109-149	Nickel-chrome plating (silver)	7
	Inlet side, Outlet side	109-149E	Nickel-chrome plating (silver)	9
80 mm sq. type	Outlet side	109-049C	Nickel-chrome plating (silver)	17
92 mm sq. type	Outlet side	109-099C	Nickel-chrome plating (silver)	22
120 mm sq. type	Outlet side	109-019C	Nickel-chrome plating (silver)	32
		109-019H	Cation electropainting (black)	
127 mm sq. type	Outlet side	109-723	Nickel-chrome plating (silver)	34
150 mm sq. type	Outlet side	109-1052	Nickel-chrome plating (silver)	53
160 mm sq. type	Outlet side	109-620	Nickel-chrome plating (silver)	74
Ø 172 mm Sidecut, Round type	Outlet side	109-320	Nickel-chrome plating (silver)	53
Ø 172 mm Round type	Outlet side	109-1068	Nickel-chrome plating (silver)	54
Ø 200 mm type	Outlet side	109-1103	Nickel-chrome plating (silver)	80
		109-1103H	Cation electropainting (black)	
	Inlet side, Outlet side	109-720	Nickel-chrome plating (silver)	84
		109-720H	Cation electropainting (black)	
	Outlet side	109-721	Nickel-chrome plating (silver)	66
		109-721H	Cation electropainting (black)	