

Deleted Models in this Catalog

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 [m ³ /min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
52×52×15 mm	109P0512A701	Plastics	12	10.2 to 13.8	0.21	2.52	6800	0.375	13.25	69.7	0.28	36	-20 to +70	40000/60°C
52×52×15 mm	109P0512H701	Plastics	12	7 to 13.8	0.1	1.2	4600	0.255	9.0	31.9	0.128	27	-20 to +70	60000/60°C
52×52×15 mm	109P0512M701	Plastics	12	7 to 13.8	0.07	0.84	3700	0.205	7.24	21.4	0.086	22	-20 to +70	60000/60°C
52×52×15 mm	109P0524A701	Plastics	24	14 to 27.6	0.11	2.64	6800	0.375	13.24	69.7	0.28	36	-20 to +60	40000/60°C
52×52×15 mm	109P0524H701	Plastics	24	14 to 27.6	0.05	1.2	4600	0.255	9.0	31.9	0.128	27	-20 to +70	60000/60°C
52×52×15 mm	109P0524M701	Plastics	24	14 to 27.6	0.04	0.96	3700	0.205	7.24	21.4	0.086	22	-20 to +70	60000/60°C
60×60×15 mm	109P0605H701	Plastics	5	4.5 to 5.5	0.26	1.3	4100	0.4	14.1	38.2	0.153	32	-20 to +70	60000/60°C
60×60×15 mm	109P0605M701	Plastics	5	4.5 to 5.5	0.15	0.75	3100	0.3	10.6	22.6	0.091	25	-20 to +70	60000/60°C
60×60×15 mm	109P0612K701	Plastics	12	10.2 to 13.8	0.26	3.12	6500	0.62	21.9	99.3	0.399	45	-20 to +60	40000/60°C
60×60×15 mm	109P0612S701	Plastics	12	10.2 to 13.8	0.15	1.8	5000	0.48	17	58.8	0.236	36	-20 to +70	40000/60°C
60×60×15 mm	109P0612H701	Plastics	12	7 to 13.8	0.09	1.08	4100	0.4	14.1	38.2	0.153	32	-20 to +70	60000/60°C
60×60×15 mm	109P0612M701	Plastics	12	10.2 to 13.8	0.07	0.84	3100	0.3	10.6	22.6	0.091	25	-20 to +70	60000/60°C
60×60×15 mm	109P0612B701	Plastics	12	10.2 to 13.8	0.05	0.6	2200	0.21	7.42	11.7	0.047	21	-20 to +70	60000/60°C
60×60×15 mm	109P0624J701	Plastics	24	14 to 27.6	0.14	3.36	6200	0.61	21.5	86.5	0.347	44	-20 to +60	40000/60°C
60×60×15 mm	109P0624S701	Plastics	24	14 to 27.6	0.08	1.92	5000	0.48	16.9	58.8	0.236	36	-20 to +70	40000/60°C
60×60×15 mm	109P0624H701	Plastics	24	14 to 27.6	0.06	1.44	4100	0.4	14.1	38.2	0.153	32	-20 to +70	60000/60°C
60×60×15 mm	109P0624M701	Plastics	24	20.4 to 27.6	0.04	0.96	3100	0.3	10.6	22.6	0.091	25	-20 to +70	60000/60°C
60×60×20 mm	109P0612W601	Plastics	12	6 to 16	0.13	1.56	4200	0.42	14.8	31.8	0.128	31	-20 to +70	60000/60°C
60×60×20 mm	109P0612H601	Plastics	12	10.2 to 13.8	0.13	1.56	4200	0.42	14.8	31.8	0.128	31	-20 to +70	60000/60°C
60×60×20 mm	109P0612M601	Plastics	12	10.2 to 13.8	0.09	1.08	3200	0.3	10.6	18.8	0.076	25	-20 to +70	60000/60°C
60×60×20 mm	109P0624W601	Plastics	24	12 to 30	0.07	1.68	4200	0.42	14.8	31.8	0.128	31	-20 to +70	60000/60°C
60×60×20 mm	109P0624H601	Plastics	24	20.4 to 27.6	0.07	1.68	4200	0.42	14.8	31.8	0.128	31	-20 to +70	60000/60°C
60×60×20 mm	109P0624M601	Plastics	24	20.4 to 27.6	0.05	1.2	3200	0.3	10.6	18.8	0.076	25	-20 to +70	60000/60°C
60×60×20 mm	109P0648H601	Plastics	48	43 to 53	0.07	3.36	5600	0.55	19.4	52.9	0.212	41	-20 to +70	60000/60°C
60×60×38 mm	9G0612G101	Plastics	12	7.0 to 13.8	1.54	18.5	11800	1.84	65	435	1.747	58	-20 to +70	40000/60°C
60×60×38 mm	9G0612S101	Plastics	12	7.0 to 13.8	1.36	16.3	10800	1.7	60	370	1.486	56	-20 to +70	40000/60°C
60×60×38 mm	9G0624G101	Plastics	24	14.0 to 27.6	0.85	20.4	11800	1.84	65	435	1.747	58	-20 to +70	40000/60°C
60×60×38 mm	9G0624S101	Plastics	24	14.0 to 27.6	0.7	16.8	10800	1.7	60	370	1.486	56	-20 to +70	40000/60°C
60×60×38 mm	9G0624H101	Plastics	24	14.0 to 27.6	0.57	13.68	9800	1.54	54.4	304.6	1.223	54	-20 to +70	40000/60°C
60×60×38 mm	9G0648G101	Plastics	48	28 to 55.2	0.35	16.8	11800	1.84	65	435	1.747	58	-20 to +70	40000/60°C
60×60×38 mm	9G0648S101	Plastics	48	28 to 55.2	0.29	13.9	10800	1.7	60	370	1.486	56	-20 to +70	40000/60°C
φ200×70 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
φ200×70 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
φ200×70 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
φ200×70 mm	109E2024AS001	Aluminum	24	21.6 to 26.4	1.45	34.8	2800	9	317.8	215.6	0.865	54	-10 to +70	40000
φ200×70 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
φ200×70 mm	109E2024MH001	Aluminum	24	20.4 to 27.6	0.63	15.12	2100	6.7	236.6	115.4	0.463	45	-10 to +70	40000

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 [m ³ /min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
60×60×38 mm	9GV0612P1G03	Plastics	12	8.0 to 13.8	100	2.8	33.6	16000	2.37	84	751	3.02	66	-20 to +70	40000/60°C
					0	0.12	1.5	3100	0.44	15	26	0.1	25		
60×60×38 mm	9GV0612P1H03	Plastics	12	8.0 to 13.8	100	2.0	24.0	14500	2.15	76	617	2.48	63	-20 to +70	40000/60°C
					0	0.1	1.2	2700	0.4	14	21	0.09	22		
60×60×38 mm	9GV0612P1M03	Plastics	12	8.0 to 13.8	100	1.5	18.0	13000	1.93	68	496	1.99	60	-20 to +70	40000/60°C
					0	0.08	1.0	2500	0.38	13	18	0.07	19		
60×60×38 mm	9GV0612P1L01	Plastics	12	8.0 to 13.8	100	0.7	8.4	10000	1.49	52.6	293	1.17	52	-20 to +70	40000/60°C
60×60×38 mm	9GV0624P1G03	Plastics	24	20.4 to 27.6	100	1.4	33.6	16000	2.37	84	751	3.02	66	-20 to +70	40000/60°C
					0	0.12	2.88	6000	0.89	31	105	0.42	38		
60×60×38 mm	9GV0624P1M03	Plastics	24	20.4 to 27.6	100	0.73	17.52	13000	1.93	68.0	496	1.99	60	-20 to +70	40000/60°C

* PWM frequency: 25 kHz

Counter Rotating Fan

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹] Inlet Outlet	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
40 × 40 × 56 mm	9CRA0412K501	Plastic	12	10.8 to 12.6	1.8	21.6	17000 13000	0.95 33.5	650 2.61	65	-20 to +60	40000
80 × 80 × 80 mm	9CR0812S801	Plastic	12	10.8 to 13.2	5.5	66.0	8000 5300	4.53 160	520 2.09	71	-10 to +60	40000
80 × 80 × 80 mm	9CR0812H801	Plastic	12	10.8 to 13.2	3.6	43.2	7000 4600	3.97 140	400 1.61	68	-10 to +60	40000

Size	Model no.	Frame material	Rated voltage [V]	PWM frequency [kHz]	Rated current [A]	Rated speed [min ⁻¹]		Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Expected Life [h]
						Duty cycle 0%	Duty cycle 100%				
60 × 60 × 76 mm	9CR0612P0S03	Plastic	12	25.0	3.2	Inlet: 1300 Outlet: 800	Inlet: 11500 Outlet: 7000	2.26 79.8	550 2.21	66	40000
	9CR0612P0H03	Plastic	12	25.0	2.7	Inlet: 1200 Outlet: 800	Inlet: 10300 Outlet: 6500	1.98 69.91	450 1.81	64	40000
80 × 80 × 80 mm	9CR0848P8S03	Plastic	48	25.0	1.29	Inlet: 2000 Outlet: 1300	Inlet: 8000 Outlet: 5300	4.53 159.95	520 2.09	71	40000

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 [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
								Inlet	Outlet					
40 × 40 × 56 mm	9CRB0412P5S201	Plastic	12	10.8 to 13.2	100	1.4	16.8	22000	19700	0.9 31.8	1045 4.197	68	-20 to +70	40000
								0	0.09	1.08	3800	3500	0.15 5.3	31 0.124
40 × 40 × 56 mm	9CRB0412P5K001	Plastic	12	10.8 to 13.2	100	0.88	10.56	19000	17000	0.76 26.83	730 2.93	62	-20 to +70	40000
								0	0.11	1.32	5700	5100	0.21 7.41	67 0.26
40 × 40 × 56 mm	9CRB0412P5J201	Plastic	12	10.8 to 13.2	100	0.72	8.64	17300	16000	0.71 25.1	650 2.61	61	-20 to +70	40000
								0	0.07	0.84	3450	3200	0.13 4.59	26 0.1

* 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 [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
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

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 [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
60 × 60 × 25 mm	109L0612G401	Aluminum	12	10.2 to 13.8	0.24	2.88	5600	0.78 27.5	87.3 0.35	39	-20 to +70	100000
60 × 60 × 25 mm	109L0612S401	Aluminum	12	10.2 to 13.8	0.17	2.04	4600	0.65 23.0	56.8 0.228	33	-20 to +70	100000
60 × 60 × 25 mm	109L0612H401	Aluminum	12	10.2 to 13.8	0.11	1.32	3800	0.53 18.7	40.2 0.161	28	-20 to +70	100000
60 × 60 × 25 mm	109L0612F401	Aluminum	12	10.2 to 13.8	0.09	1.08	3200	0.44 15.5	29.4 0.118	24	-20 to +70	100000
60 × 60 × 25 mm	109L0612M401	Aluminum	12	10.2 to 13.8	0.06	0.72	2600	0.36 12.7	19.6 0.079	20	-20 to +70	100000
60 × 60 × 25 mm	109L0624D401	Aluminum	24	20.4 to 27.6	0.12	2.88	5150	0.72 25.4	73.8 0.296	37	-20 to +70	100000
60 × 60 × 25 mm	109L0624S401	Aluminum	24	20.4 to 27.6	0.08	1.92	4600	0.65 23.0	56.8 0.23	33	-20 to +70	100000
60 × 60 × 25 mm	109L0624H401	Aluminum	24	20.4 to 27.6	0.06	1.44	3800	0.53 18.7	40.2 0.161	28	-20 to +70	100000
60 × 60 × 25 mm	109L0624F401	Aluminum	24	20.4 to 27.6	0.05	1.2	3200	0.44 15.5	29.4 0.118	24	-20 to +70	100000
60 × 60 × 25 mm	109L0624M401	Aluminum	24	20.4 to 27.6	0.04	0.96	2600	0.36 12.7	19.6 0.079	20	-20 to +70	100000
60 × 60 × 25 mm	109L0648G401	Aluminum	48	40.8 to 55.2	0.07	3.36	5600	0.78 27.5	87.3 0.35	39	-20 to +60	80000
60 × 60 × 25 mm	109L0648H401	Aluminum	48	40 to 53	0.04	1.92	3800	0.53 18.7	40.2 0.161	28	-20 to +70	100000

Blower

Size	Model no.	Frame material	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
120 × 32 mm	109BF12HC2	Plastic	12	10.2 to 13.8	0.6	7.2	2400	0.78 27.5	175.4 0.704	52	-20 to +60	40000
120 × 32 mm	109BF12MC2	Plastic	12	10.2 to 13.8	0.32	3.84	1900	0.61 21.5	109.8 0.441	44	-20 to +60	40000
120 × 32 mm	109BF24HC2	Plastic	24	20.4 to 27.6	0.3	7.2	2400	0.78 27.5	175.4 0.704	52	-20 to +60	40000
120 × 32 mm	109BF24MC2	Plastic	24	20.4 to 27.6	0.16	3.84	1900	0.61 21.5	109.8 0.441	44	-20 to +60	40000

• Storage temperature is -30 to +70°C.