

SUNON®



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SUNON®

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Fan, Blower and Cooling module  
for Home Application

\*All products are RoHS compliant.

2021/12/31 (261-E)

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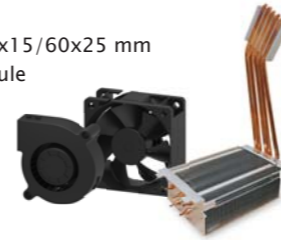
## Sunon Offers Heat Dissipation Total Solution Technology and Services

With 40 years of experience, Sunon has been focused on the research and development of core motor technologies and cooling to the advantage of a vast customer base with a wide variety of systems, applications and requirements. Sunon is proud of its' cooling problem-solving abilities, utilizing state-of-the-art equipment and innovative techniques to tailor-make optimized cooling systems for our clients' latest applications.

- High performance cooling module, possesses high capability of dissipating heat energy.
- Most economic total thermal solution, increases the customer's product profitability.
- Strong thermal experience and technology, provide optimized customized module.

### Coffee/Drink Machine

DC Axial Fan & Blower :  
40x10/50x15/60x10/60x15/60x25 mm  
Customized Cooling Module



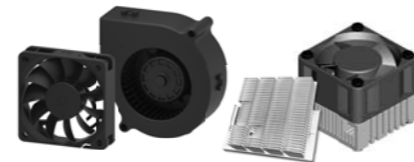
### Automatic Cooker

Customized Cooling Module



### Oven

DC/AC/EC Axial Fan & Blower :  
60x15/75x30/120x25/120x38 mm  
Customized Cooling Module



Fan, Blower and Cooling Module  
for  
Home Application

### Electric Cooktops

DC Blower : 75x30/97x33/120x32 mm  
Customized Cooling Module



### Dish Washer

DC/AC Axial Fan & Blower :  
75x30/97x33/120x31/120x32 mm



### Dryer

DC/AC/EC Axial Fan : 120x38 mm



### Refrigerator

### Evaporator (-40°C~40°C)

-40°C Low Vibration Low Noise

DC Axial Fan : 80x25/92x25/92x32 mm  
DC Centrifugal Fan : 100x30/120x36/125x38 mm



### Fresh (-25°C~50°C)

-25°C Low Vibration Low Noise

DC/EC Axial Fan :  
80x25/92x25/92x32/120x38 mm



### Condenser (-10°C~70°C)

High Air Flow Low Vibration Low Noise

DC/AC/EC Axial Fan :  
80x25/120x25/120x38/140x25/150x47 mm



### Ice maker (-40°C~40°C)

-40°C Low Vibration Low Noise

DC Axial Fan : 60x15/70x15 mm  
DC Blower : 50x15 mm



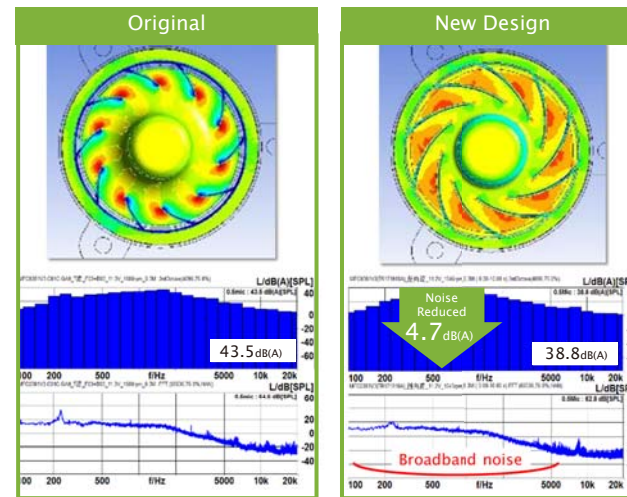
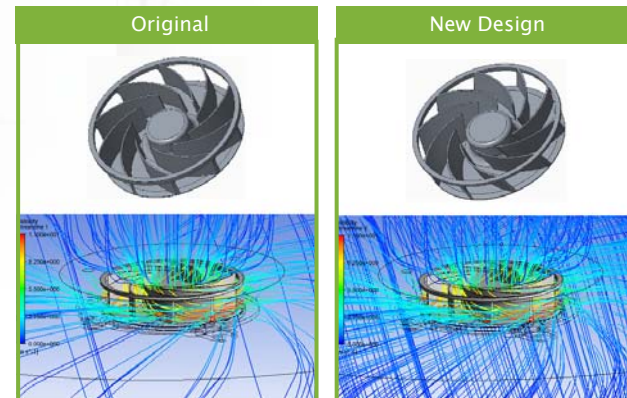


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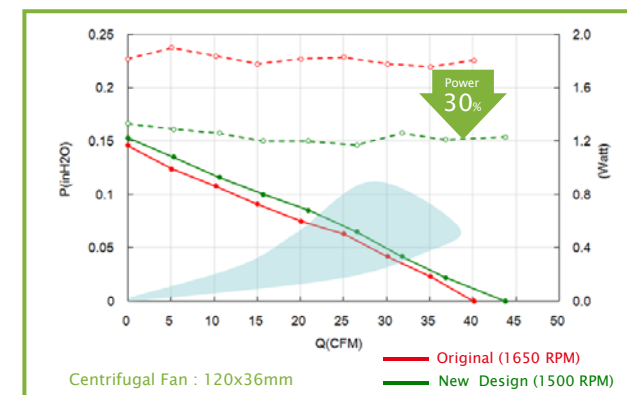


## Precise simulation analysis High efficiency cooling solution

Blade Angel Adjustment and performance improvement  
PQ upgrade, Reduce Broadband Noise 4.7dB(A) and Power down 30%.

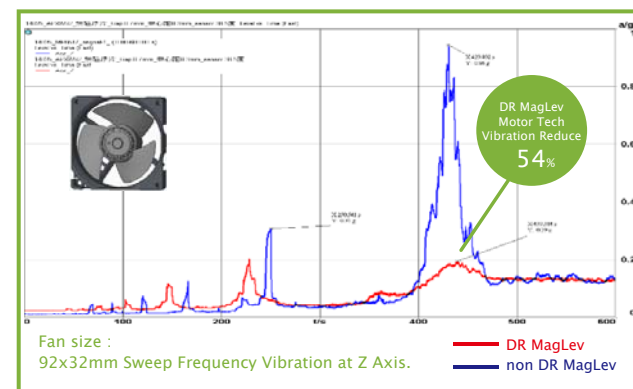


Centrifugal Fan : 120x36mm

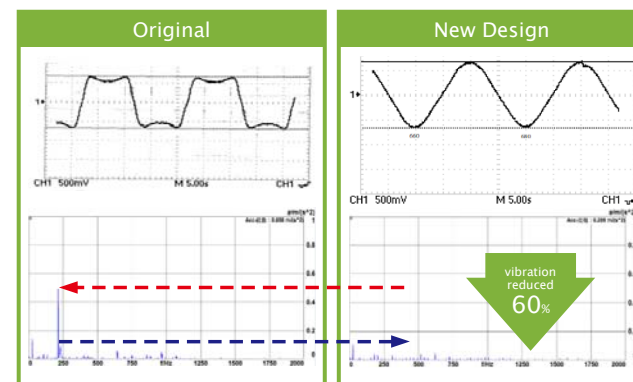


## DR MagLev low vibration Vibration reduce 54% Pole passing reduce 60%

Through DR MagLev 360 degrees track system, we can decrease the gap between magnet and stator with lower magnetic flux. According to the test result as below, the vibration at Z axis had been improved definitely.



## Vibration Improvement Reduce Pole passing

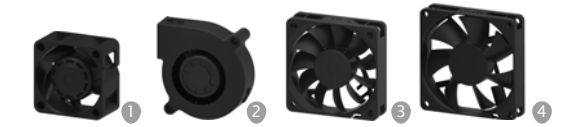


## DC Axial Fan / Centrifugal Fan for Refrigerator Evaporator



NO.	Fan Types	size (mm)	Model	Rated Voltage (V)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	80x80x25	MF80251V3-1Q01	12	0.78	2400	29.0	0.100	25.1	-10°C~50°C
2	DC	92x92x25	EE92251S4-1Q03	12	0.90	2100	33.6	0.070	24.2	-10°C~55°C
3	DC	92x92x32	EF92321S1-1000	12	1.44	3500	46.0	0.190	32.4	-40°C~40°C
4	DC	Φ100x30	EFA0301S3-1B00	12	1.14	1850	28.5	0.180	27.9	-40°C~40°C
5	DC	Φ120x36	MFC0361V3-1B00	12	1.20	1500	43.8	0.150	27.7	-40°C~40°C
6	DC	Φ125x38	MFC5381V3-1B00	12	2.10	1550	55.3	0.244	31.7	-40°C~40°C

## DC Axial Fan & Blower for Refrigerator Ice Maker



NO.	Fan Types	size (mm)	Model	Rated Voltage (V)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	50x50x15	MF50151V3-1B01	12	0.30	2600	2.1	0.11	16.8	-10°C~70°C
2	DC	60x60x15	MF60151V2-1D05	12	1.14	4500	24.3	0.17	32.9	-40°C~40°C
3	DC	70x70x15	MF70151VX-Q03	12	0.07	3500	25.3	0.12	35.5	-40°C~40°C
4	DC	70x70x15	MF70151VX-Q01	12	2.64	4400	31.3	0.19	41.7	-40°C~40°C

## DC / EC Axial Fan for Refrigerator Fresh



NO.	Fan Types	Size (mm)	Model	Rated Voltage (V)	Freq. (Hz)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	80x80x25	MF80251V3-1Q01	12		0.78	2400	29.0	0.10	25.1	-10°C~50°C
2	DC	92x92x25	EE92251S4-1Q03	12		0.90	2100	33.6	0.07	24.2	-10°C~55°C
3	DC	92x92x32	EF92321S1-1000	12		1.44	3500	46.0	0.19	32.4	-40°C~40°C
4	EC	120x120x38	CF4113HBT-0000	100-240	50/60	5.10	3500	109.0	0.37	44.9	-25°C~70°C
5	EC	120x120x38	CF4113HBT-10000	100-240	50/60	5.10	3600	109.0	0.37	44.9	-25°C~70°C

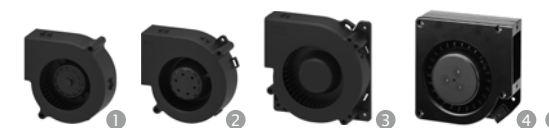
## DC / AC / EC Axial Fan for Refrigerator Condenser



NO.	Fan Types	Size (mm)	Model	Rated Voltage (V)	Freq. (Hz)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	120x120x38	EFC0381B4-Q02	12		1.08	1500	63.5	0.09	24.6	-10°C~70°C
2	DC	140x140x25	MFE0251V3-1Q02	12		2.16	2000	97.4	0.13	36.3	-10°C~70°C
3	DC	150x150x47	MFF0471V3-1Q01	12		1.00	900	63.0	0.05	17.0	-10°C~70°C
4	AC	80x80x25	SF11580AT 1082HBL.GN	115	50/60	12.00/11.00	2450/2900	18.0/22.0	0.13/0.19	30.0/34.5	-10°C~70°C
5	AC	80x80x25	SF23080AT 2082HBL.GN	220	50/60	14.00/13.50	2450/2900	18.0/22.0	0.13/0.19	30.0/34.5	-10°C~70°C
6	AC	120x120x25	SP101AT 2082HBL.GN	115	50/60	19.00/18.00	2150/2500	66.0/80.0	0.14/0.17	44.0/48.0	-10°C~70°C
7	AC	120x120x25	DP201AT 2122HBT.GN	220	50/60	18.00/16.50	2150/2500	66.0/80.0	0.14/0.17	44.0/48.0	-10°C~70°C
8	AC	120x120x38	SP101A 1123HBT.GN	115	50/60	20.00/18.00	2750/3050	87.0/107.0	0.26/0.32	45.0/50.0	-10°C~70°C
9	AC	120x120x38	DP201A 2123HBT.GN	220	50/60	20.00/19.00	2750/3050	87.0/107.0	0.26/0.32	45.0/50.0	-10°C~70°C
10	AC	120x120x38	SP102A 1123MBT.S.GN	115	50/60	12.20/12.00	2500/2600	80/84	0.15/0.21	43.0/43.0	-10°C~70°C
11	AC	120x120x38	DP201A 2123HBT.S.GN	220	50/60	10.80/10.40	2550/2550	85/85	0.25/0.25	45.0/45.0	-10°C~70°C
12	EC	120x120x38	CF4113HBT-0000	100-240	50/60	5.10	3500	109.0	0.37	44.9	-25°C~70°C
13	EC	120x120x38	CF4113HBT-10000	100-240	50/60	5.10	3600	109.0	0.37	44.9	-25°C~70°C

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## DC / AC Axial Fan & Blower for Dish Washer



NO.	Fan Types	Size (mm)	Model	Rated Voltage (V)	Freq. (Hz)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	75x75x30	PF75301B1-1B00	12		2.40	3400	15.5	0.57	42.0	-10°C~70°C
2	DC	97x95x33	PF97331B1-1B00	12		19.20	5400	44.2	3.39	58.0	-10°C~70°C
3	DC	120x120x32	PFC0321B3-C02	12		4.80	2100	29.3	0.59	48.0	-10°C~70°C
4	AC	120x120x31	AB1123-HBT GN	115	50/60	20.00/18.00	2600/2900	20.0/22.0	0.32/0.46	48.0/50.0	-10°C~70°C
5	AC	120x120x31	AB2123-HBT GN	220	50/60	20.00/18.00	2600/2900	20.0/22.0	0.32/0.46	48.0/50.0	-10°C~70°C

## DC / AC / EC Axial Fan for Dryer



NO.	Fan Types	Size (mm)	Model	Rated Voltage (V)	Freq. (Hz)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	120x120x38	EEC0381B2-000	12		5.10	2600	116	0.26	44	-10°C~70°C
2	DC	120x120x38	MEC0381V2-000	12		5.10	2600	116	0.26	44	-10°C~70°C
3	AC	120x120x38	SP102A 1123MBT.S.GN	115	50/60	12.02/12.00	2500/2600	80/84	0.15/0.21	43/43	-10°C~70°C
4	AC	120x120x38	DP201A 2123HBT.S.GN	220	50/60	10.80/10.40	2550/2550	85/85	0.25/0.25	45/45	-10°C~70°C
5	AC	120x120x38	A1123HBT (7).GN	115	50/60	23.00/21.00	2500/2750	112/124	0.30/0.28	44/47	-10°C~70°C
6	AC	120x120x38	A2123HBT (7).GN	220	50/60	24.00/22.00	2500/2750	112/124	0.30/0.28	44/47	-10°C~70°C
7	EC	120x120x38	CF4113HBT-0000	100-240	50/60	5.10	3500	109	0.37	44.9	-25°C~70°C
8	EC	120x120x38	CF4113HBT-10000	100-240	50/60	5.10	3600	109	0.37	44.9	-25°C~70°C

## DC Blower for Electric Cooktops



NO.	Fan Types	size (mm)	Model	Rated Voltage (V)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	75x75x30	PF75301B3-1B00	12	0.99	2400	10.8	0.24	32.9	-10°C~70°C
2	DC	97x95x33	PF97331B1-1B00	12	19.20	5400	44.2	3.39	58.0	-10°C~70°C
3	DC	120x120x32	PFC0321B3-1B00	12	4.80	2100	29.3	0.59	48.0	-10°C~70°C

## DC Axial Fan & Blower for Coffee/Drink Machine



NO.	Fan Types	size (mm)	Model	Rated Voltage (V)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	40x40x10	MF40101V1-1000	12	0.62	2400	8.0	0.19	27.3	-10°C~70°C
2	DC	50x50x15	MF50151V2-1000	12	0.60	2050	3.5	0.40	34.0	-10°C~70°C
3	DC	50x50x15	MF50152V2-1000	24	0.65	3500	13.0	0.17	29.0	-10°C~70°C
4	DC	60x60x10	MF60101V1-1000	12	1.30	1850	16.3	0.12	28.5	-10°C~70°C
5	DC	60x60x15	MF60152V2-1000	24	1.80	1500	26.4	0.18	34.2	-10°C~70°C
6	DC	60x60x25	MF60252V1-1000	24	1.20	1550	23.5	0.21	27.0	-10°C~70°C

## DC / AC / EC Axial Fan & Blower for Oven



NO.	Fan Types	Size (mm)	Model	Rated Voltage (V)	Freq. (Hz)	Power Consumption (W)	Fan Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H2O)	Noise (dB(A))	App.
1	DC	60x60x15	MF60151V2-1D03	12		0.60	3400	18.1	0.13	25.2	-10°C~80°C
2	DC	75x75x30	PF75301B3-1B00	12		0.99	2400	10.8	0.24	32.9	-10°C~70°C
3	AC	120x120x25	SP101AT 1122HBT.GN	115	50/60	19.00/18.00	2150/2500	66.0/80.0	0.14/0.17	44.0/48.0	-10°C~70°C
4	AC	120x120x25	DP201AT 2122HBT.GN	220	50/60	18.00/16.50	2150/2500	66.0/80.0	0.14/0.17	44.0/48.0	-10°C~70°C
5	AC	120x120x38	SP100A 1123XBT.GN	115	50/60	22.00/20.00	2850/3150	97.0/117.0	0.34/0.39	45.0/50.0	-10°C~70°C
6	AC	120x120x38	DP200A 2123XBT.GN	220	50/60	22.00/21.00	2850/3150	97.0/117.0	0.34/0.39	45.0/50.0	-10°C~70°C
7	AC	120x120x38	SP102A 1123MBT.S.GN	115	50/60	12.20/12.00	2500/2600	80/84	0.15/0.21	43.0/43.0	-10°C~70°C
8	AC	120x120x38	DP201A 2123HBT.S.GN	220	50/60	10.80/10.40	2550/2550	85/85	0.25/0.25	45.0/45.0	-10°C~70°C
9	EC	120x120x38	CF4113HBT-0000	100-240	50/60	5.10	3500	109.0	0.37	44.9	-25°C~70°C
10	EC	120x120x38	CF4113HBT-10000	100-240	50/60	5.10	3600	109.0	0.37	44.9	-25°C~70°C

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