



EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

DC Fan

DC Fan New Model Numbering System	12
DC Fan Old Model Numbering System	13

Size (mm)	Air Flow (CFM)	Page
17 x 17 x 8	0.7 ~ 0.9	14
20 x 20 x 8	1.3 ~ 1.6	16
20 x 20 x 10	1.5 ~ 1.9	18
25 x 25 x 6	2.2 ~ 3.0	20
25 x 25 x 10	1.2 ~ 3.8	22
25 x 25 x 15	1.3 ~ 3.1	24
30 x 30 x 6	3.7 ~ 4.9	26
30 x 30 x 10	2.5 ~ 5.5	28
35 x 35 x 15	2.7 ~ 6.0	32
35 x 35 x 6	4.3 ~ 5.5	34
35 x 35 x 10	3.6 ~ 7.2	36
36 x 36 x 28	18.1 ~ 22.8	38
38 x 38 x 28	11.3 ~ 24.2	40
38 x 38 x 56	31.2	46
40 x 40 x 6	5.5 ~ 6.3	48
40 x 40 x 10	5.4 ~ 10.0	50
40 x 40 x 20	5.5 ~ 10.8	58
40 x 40 x 28	12.8 ~ 31.5	64
40 x 40 x 56	19.7 ~ 31.7	70
45 x 45 x 10	9.2 ~ 11.8	74
50 x 50 x 10	8.4 ~ 13.8	78
50 x 50 x 15	7.7 ~ 18.6	80
60 x 60 x 10	12.2 ~ 16.3	84
60 x 60 x 15	10.6 ~ 30.4	86
60 x 60 x 15 (IP)	12.7 ~ 21.3	90
60 x 60 x 20	14.1 ~ 30.5	92
60 x 60 x 25	13.8 ~ 40.0	100
60 x 60 x 38	41.5 ~ 75.2	108
60 x 60 x 56	58.5 ~ 72.9	114

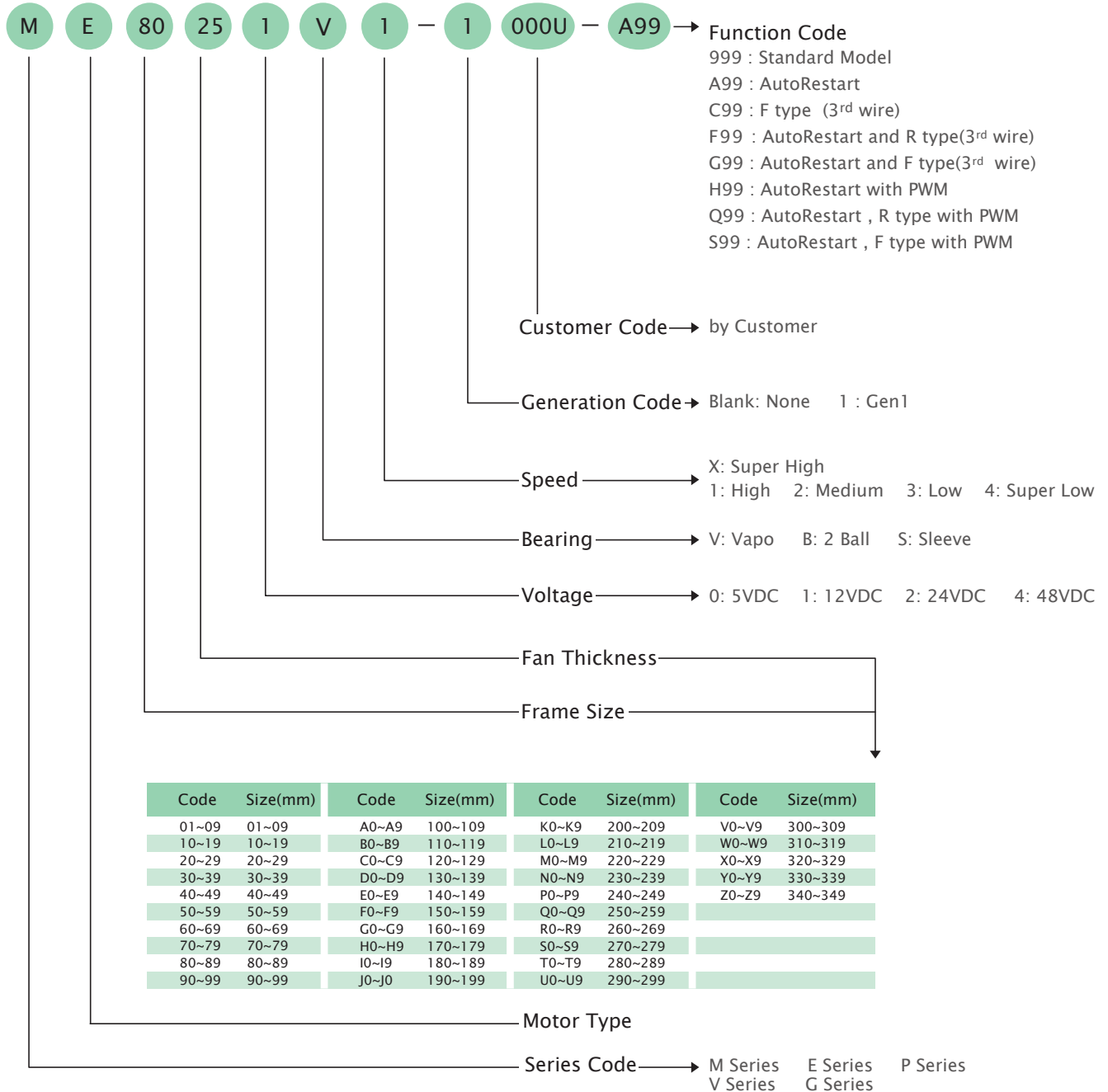
Size (mm)	Air Flow (CFM)	Page
60 x 60 x 76	58.7 ~ 73.2	116
70 x 70 x 15	19.0 ~ 27.0	118
70 x 70 x 25	40.0 ~ 49.0	120
80 x 80 x 15	30.0 ~ 37.0	122
80 x 80 x 25	23.9 ~ 60.0	124
80 x 80 x 25 (IP)	33.0 ~ 60.0	134
80 x 80 x 32 (IP)	50.3 ~ 59.4	138
80 x 80 x 38	59.5 ~ 141.9	140
80 x 80 x 80	122.0 ~ 151.5	146
92 x 92 x 25	28.4 ~ 75.0	148
92 x 92 x 25 (IP)	39.5 ~ 75.0	158
92 x 92 x 38	91.7 ~ 182.4	162
120 x 120 x 25	55.1 ~ 150.0	166
120 x 120 x 38	170.0 ~ 301.7	172
140 x 140 x 38	238.5 ~ 297.9	178
140 x 140 x 51	250.3	182

DC Blower

DC Blower New Model Numbering System	184
DC Blower Old Model Numbering System	185

Size (mm)	Air Flow (CFM)	Page
50 x 50 x 15	2.6 ~ 5.4	186
50 x 50 x 20	4.8 ~ 5.7	190
60 x 60 x 15	5.1 ~ 6.2	192
75 x 75 x 30	10.8 ~ 15.5	194
97 x 94 x 33	22.4 ~ 30.5	196
97 x 95 x 33	44.2 ~ 54.7	198
100 x 100 x 25	18.4	200
120 x 120 x 32	31.4 ~ 35.9	202

■ DC Fan New Model Numbering System



Certification

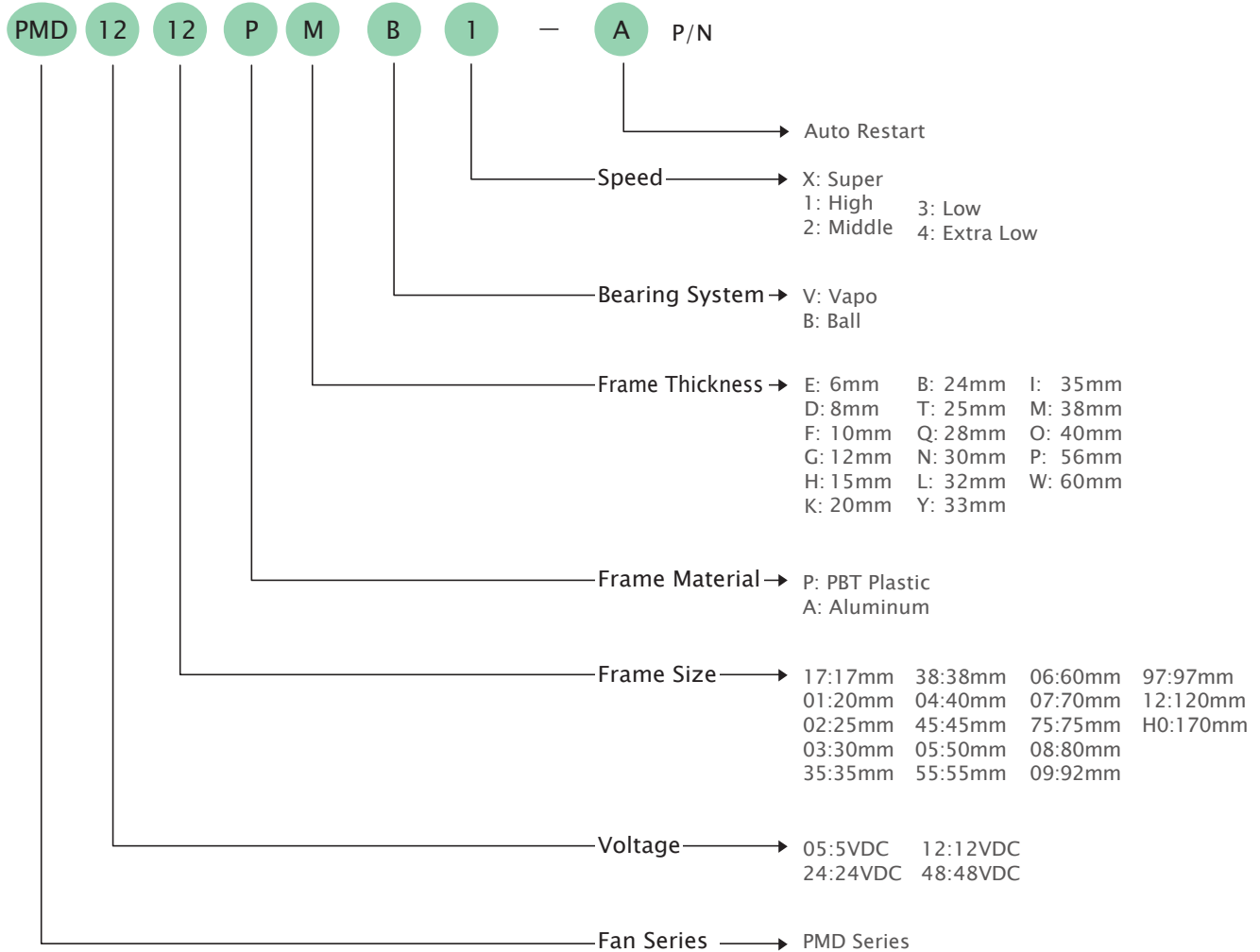


Safety



- ※ Note: For critical or extreme environments, including non stop operation, please contact SUNON and we will gladly provide assistance with your product selection to ensure an appropriate cooling product for your application.
- ※ Note: The "Life Expectancy" of the fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports(L10 and MTTF Report) that relate to the fan are only for reference.

■ DC Fan Old Model Numbering System



P/N

Example: PMD1212PMB1-A P/N: (2).GN

- (2) Two ball bearing
- A Auto restart
- F 3rd wire with frequency generation waveform
- R 3rd wire with rotation detector waveform
- Z Specific RPM
- PWM with PWM function
- GN RoHS compliance

Certification



Safety



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80x80x25 mm

53.0~60.0 CFM

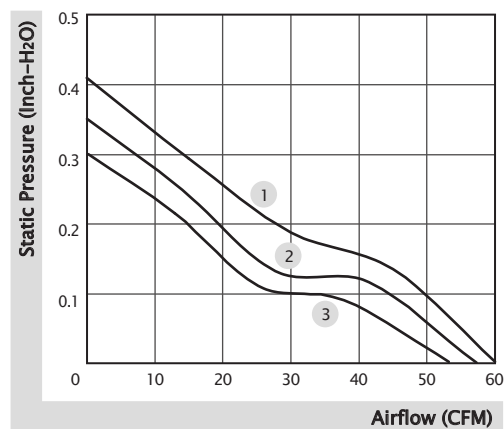


■ Specification

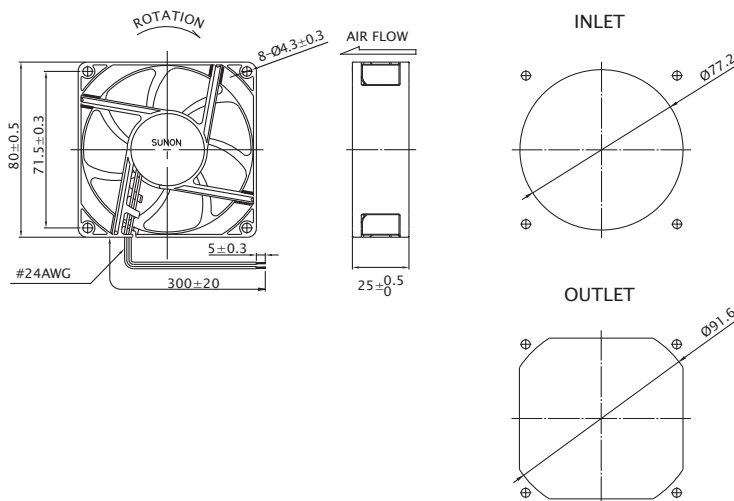
Model	Bearing	Rated Voltage	Power Current	Power Consumption	Speed	Airflow	Static Pressure	Noise	Weight	Curve
	2BALL Sleeve	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(inch-H ₂ O)	(dB(A))	(g)	
PF80251B1-1000U-A99	☼	12	295	3.54	4800	60.0	0.41	45.5	91.0	1
PF80251B2-1000U-A99	☼	12	255	3.06	4500	57.0	0.35	44.0	91.0	2
PF80251B3-1000U-A99	☼	12	195	2.34	4200	53.0	0.30	42.5	91.0	3
PF80252B1-1000U-A99	☼	24	155	3.72	4800	60.0	0.41	45.5	91.0	1
PF80252B2-1000U-A99	☼	24	135	3.24	4500	57.0	0.35	44.0	91.0	2
PF80252B3-1000U-A99	☼	24	100	2.40	4200	53.0	0.30	42.5	91.0	3

■ Function R Type : F99 / F Type : G99 / PWM : H99, Q99, S99

■ Air Flow-Static Pressure Characteristics



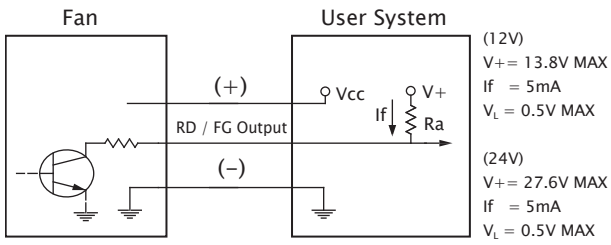
■ External Dimensions(mm)



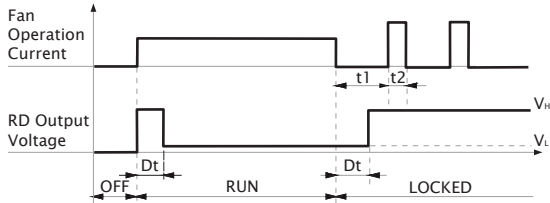
※ All model could be customized. Please contact with Sunon Sales.

※ Specifications are subject to change without notice. Please Visit SUNON website at www.sunon.com for update information.

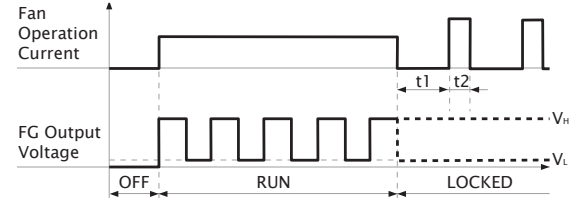
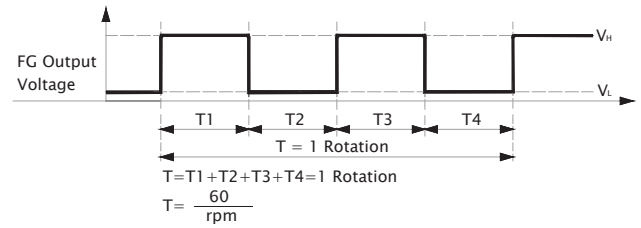
■ RD / FG Output Signal



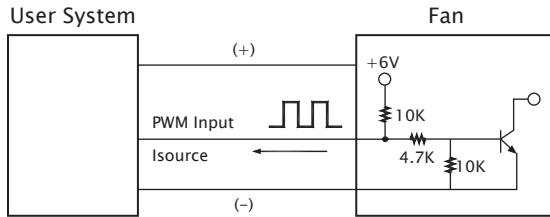
[RD Signal]



[FG Signal]



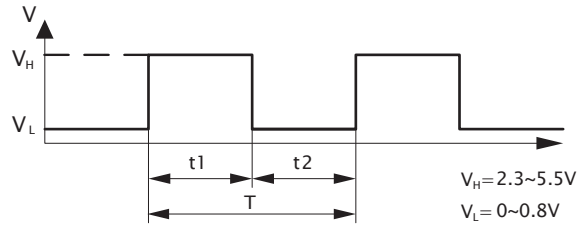
■ PWM Input Signal



PWM FREQUENCY: 25KHZ

Isourse=0.6mA at PWM Input Voltage 0V

The speed is default to be maximum if PWM input pin is unconnected.



1. Period : $T = \frac{1}{f_{PWM}} = t_1 + t_2 (\text{sec})$

2. Duty Cycle (D.C.) : $\frac{t_1}{t_1 + t_2} \times 100 = \frac{t_1}{T} \times 100 (\%)$

■ PWM Curve

