

Вентилятор 48v, 48в, 48vdc

Минск www.fotorele.net www.tiristor.by радиодетали, электронные компоненты

email minsk17@tut.by tel.mob +375 44 758 47 80 velcom +375 29 758 47 80 МТС

каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, даташит,

Вентиляторы, Осевые, серии, Comair, rotron, miffin

ВЕНТИЛЯТОРЫ Беларусь Минск www.fotorele.net www.tiristor.by email minsk17@tut.by
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Вентиляторы SUNON Jamicon QwikFlow Comair rotron Ebmpapst MVL ERM PAPST SANYO DENKI San Ace Multicomp NMB-MAT BI-Sonic Micronel Отечественные: ВНЗ ВВФ-112.

Comair Rotron каталог часть 1 часть 2 -10Gb	SANYO DENKI San Ace	Вентиляторы multicomp page 1 2	Вентиляторы NMB-MAT page 1 2	Вентиляторы BI-Sonic page 1 2	Вентиляторы micronel page 1 2
Comair ~20Gb	Каталог San Ace DC Вентиляторов AC Вентиляторов	multicomp	NMB-MAT	BI-Sonic	micronel

Аналог ЭМВНЗ
QR код

осевые вентиляторы

15x15x04, 15x15x06, 20x20x06, 20x20x10, 25x25x06, 25x25x10, 25x25x15, 30x30x06, 30x30x10, 30x30x15, 35x35x06, 35x35x10, 38x38x28, 40x40x06, 40x40x10, 40x40x15, 40x40x20, 40x40x28, 40x40x56, 45x45x06, 45x45x10, 50x50x10, 50x50x15, 50x50x20, 60x60x10, 60x60x15, 60x60x20, 60x60x25, 60x60x38, 60x60x76, 70x70x15, 70x70x20, 70x70x25, 80x80x15, 80x80x20, 80x80x25, 80x80x32, 80x80x38, 80x80x76, 92x92x20, 92x92x32, 92x92x25, 92x92x38, 105x105x38, 113x113x36, 120x120x25, 120x120x32, 120x120x38, 127x127x38, 135x135x25, 140x140x38, 140x140x51, 172x150x51, AC-fan, Радильные-Blowers, Влагостойкие, 80x80x25, AC, 80x80x38 AC

92x92x25 AC	92*92*25 AC
120x120x25 AC	120*120*25 AC
120x120x38 AC	120*120*38 AC
172x150x38 AC	172*150*38 AC
172x150x51 AC	172*150*51 AC
172x150x55 AC	172*150*55 AC
254x254x89 AC	254*254*89 AC
25x25x10 DC	25*25*10 DC
30x30x6 DC	30*30*6 DC
30x30x10 DC	30*30*10 DC
40x40x7 DC	40*40*7 DC
40x40x10 DC	40*40*10 DC
50x50x15 DC	50*50*15 DC
60x60x15 DC	60*60*15 DC
60x60x20 DC	60*60*20 DC
60x60x25 DC	60*60*25 DC
70x70x25 DC	70*70*25 DC
80x80x15 DC	80*80*15 DC
80x80x25 DC	80*80*25 DC
80*80*25 AC	
80*80*38 AC	

DC 12032

General Specifications

Frame Size	120×120×32mm
Bearing Type	Dual Ball Bearing
Rated Voltage	12V/24V/48V (optional)
Frame	Plastic (UL94V-0)
Impeller	Plastic (UL94V-0)
Lead Wire	AWG#24 UL1007
Motor	Impedance Protected
Function	PWM/FG/ RD/Temperature control/IP56

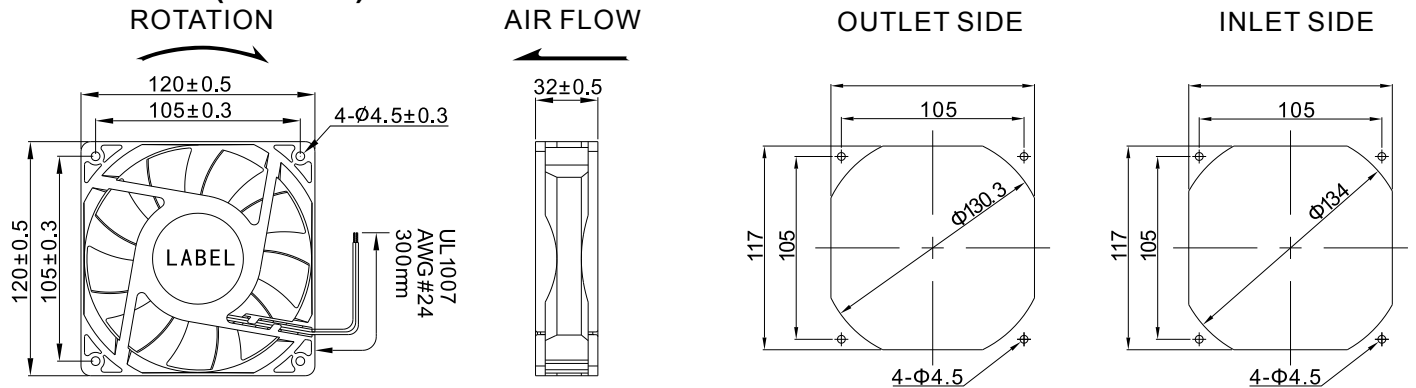


Specifications

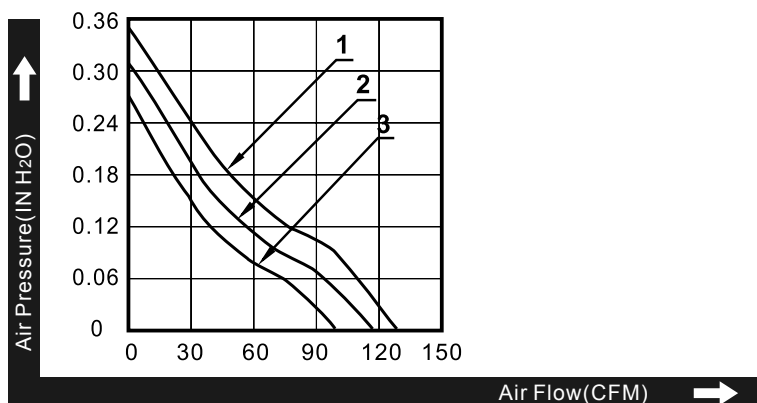
Model	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Air Flow	Static Pressure	Noise Level	Weight
	VDC	VDC	Amp	Watt	rpm	CFM	Inch-H ₂ O	dB-A	g
YM1212PLB1	12.00	7.0 to 13.8	0.72	8.64	2700	132.87	0.35	44	237.00
YM1212PLB2	12.00	7.0 to 13.8	0.60	7.20	2400	118.11	0.31	39	237.00
YM1212PLB3	12.00	7.0 to 13.8	0.45	5.40	2100	103.34	0.27	34	237.00
YM2412PLB1	24.00	14.0 to 27.6	0.44	10.56	2700	132.87	0.35	44	237.00
YM2412PLB2	24.00	14.0 to 27.6	0.35	8.40	2400	118.11	0.31	39	237.00
YM2412PLB3	24.00	14.0 to 27.6	0.28	6.72	2100	103.34	0.27	34	237.00
YM4812PLB1	48.00	28.0 to 56.0	0.25	12.00	2700	132.87	0.35	44	237.00
YM4812PLB2	48.00	28.0 to 56.0	0.20	9.60	2400	118.11	0.31	39	237.00
YM4812PLB3	48.00	28.0 to 56.0	0.16	7.68	2100	103.34	0.27	34	237.00

Specifications are subject to change without notice.

Dimensions (Unit:mm)



Fan Performance Curve



Expected Life

Ball Bearing 50,000 hours (40°C)

Allowable Ambient Temperature Range

-10°C~+70°C (Operating)

-40°C~+70°C (Storage)

(non-condensing environment)

● General Specifications

➤ Material:

1. Frame: Plastic (UL94V-0);
2. Impeller: Plastic (UL94V-0);
3. Lead Wire: UL1007AWG#24 or Equivalent (+) Red, (-) Black.

➤ Expected Life:

1. 50000 hrs (40°C) Ball Bearing;
2. 30000 hrs (40°C) Sleeve Bearing.

➤ Temperature Range:

1. Operating temperature -10°C ~ +70°C (Non condensing);
2. Storage temperature -40°C ~ +70°C (Non condensing).

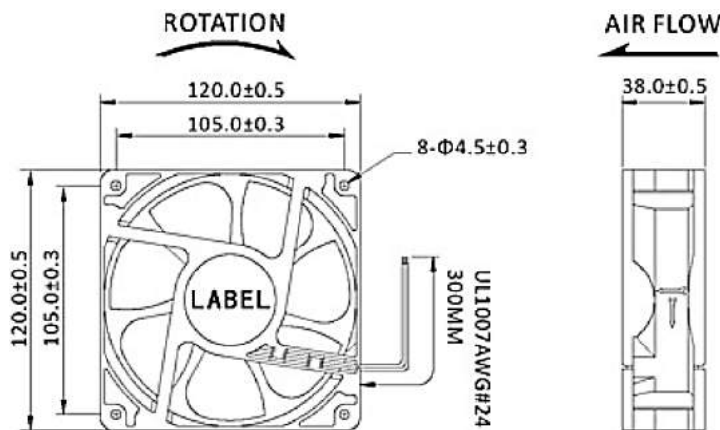


● Specifications

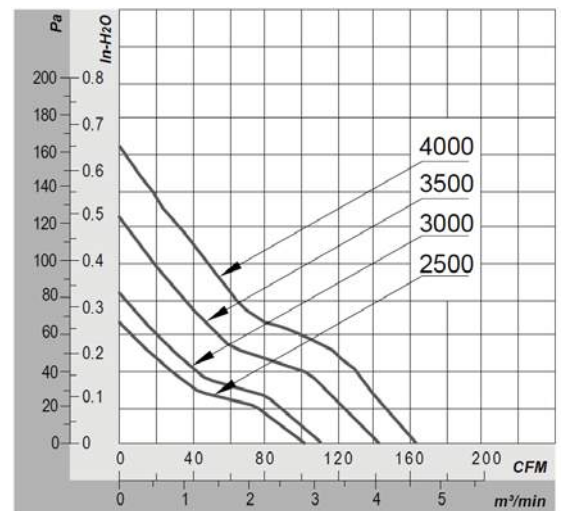
Model	Rated Voltage	Operating Voltage	Rated Current	Input Power	Speed	Max Air Flow		Max Static Pressure		Noise	Weight
Part N	VDC	VDC	A	W	RPM	CFM	m ³ /min	Inch-H ₂ O	Pa	dB-A	g
FD12038B(S)12U	12	7.0~13.8	1.15	18.00	4000	165.05	4.67	0.60	150.63	58	262
FD12038B(S)12H	12	7.0~13.8	0.82	12.00	3500	144.21	4.08	0.50	124.25	53	262
FD12038B(S)12M	12	7.0~13.8	0.60	7.20	3000	115.29	3.27	0.34	83.55	48	262
FD12038B(S)12L	12	7.0~13.8	0.29	4.80	2500	101.85	2.88	0.26	64.63	40	262
FD12038B(S)24U	24	14.0~27.6	0.60	24.00	4000	165.05	4.67	0.60	150.63	58	262
FD12038B(S)24H	24	14.0~27.6	0.40	14.40	3500	144.21	4.08	0.50	124.25	53	262
FD12038B(S)24M	24	14.0~27.6	0.28	9.60	3000	115.29	3.27	0.34	83.55	48	262
FD12038B(S)24L	24	14.0~27.6	0.14	4.80	2500	101.85	2.88	0.26	64.63	40	262
FD12038B(S)48U	48	28.0~56.0	0.30	28.80	4000	165.05	4.67	0.60	150.63	58	262
FD12038B(S)48H	48	28.0~56.0	0.20	19.20	3500	144.21	4.08	0.50	124.25	53	262
FD12038B(S)48M	48	28.0~56.0	0.11	9.60	3000	115.29	3.27	0.34	83.55	48	262
FD12038B(S)48L	48	28.0~56.0	0.08	5.76	2500	101.85	2.88	0.26	64.63	40	262

Specification are subject to change without notice.

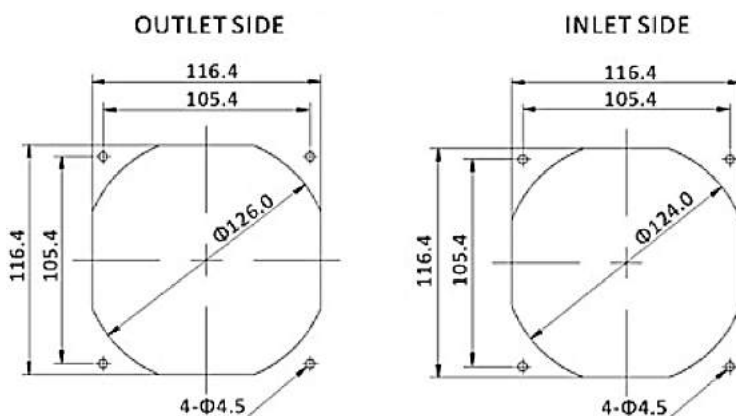
● Dimension (Unit: mm)



● PQ Curve (At Rated Voltage)



● Mounting Panel Cutout (Unit: mm)

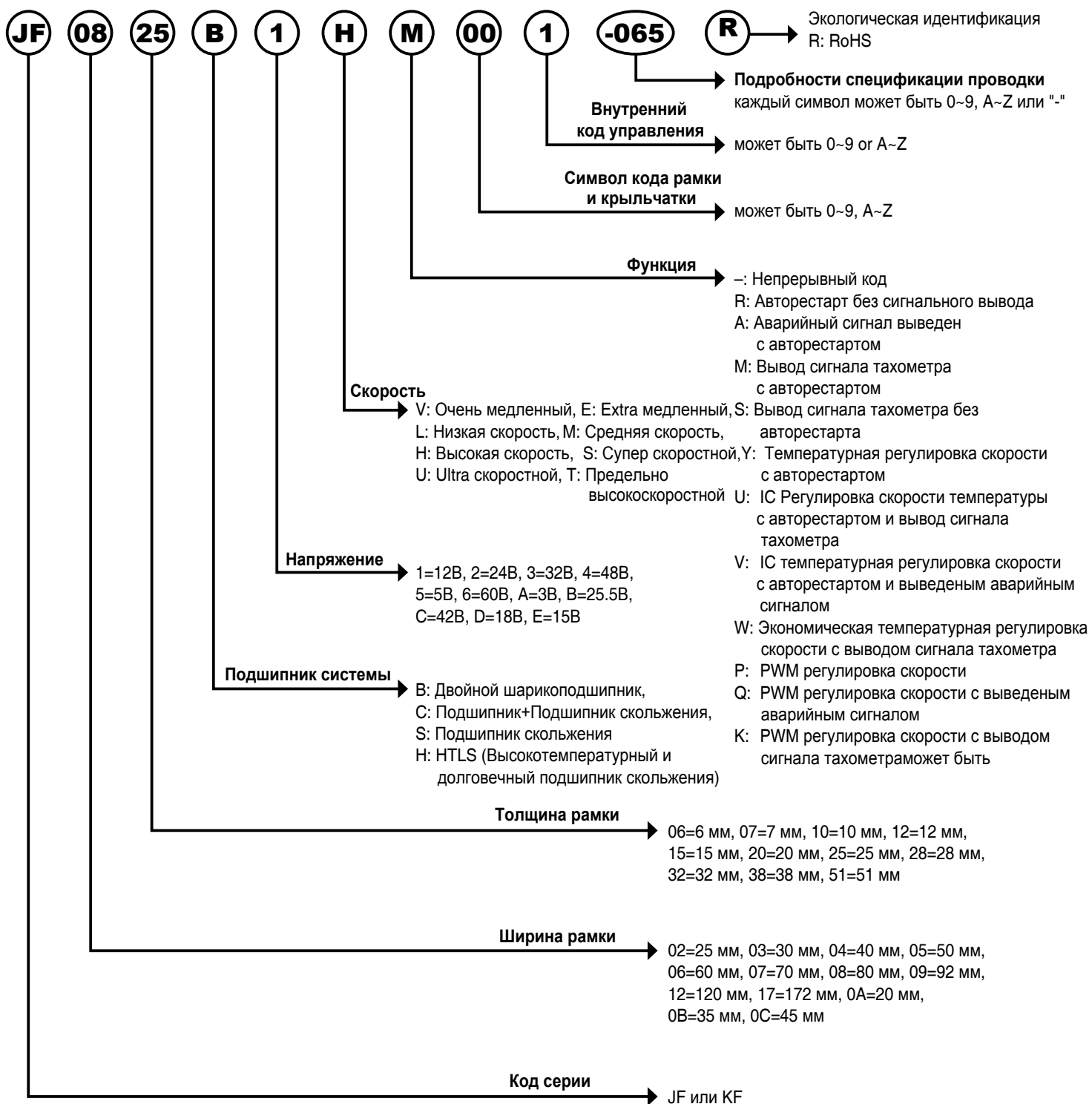


● Safety standards



Техническая Информация

Парт Номер



60X60X15 мм

JF0615-00 Серия



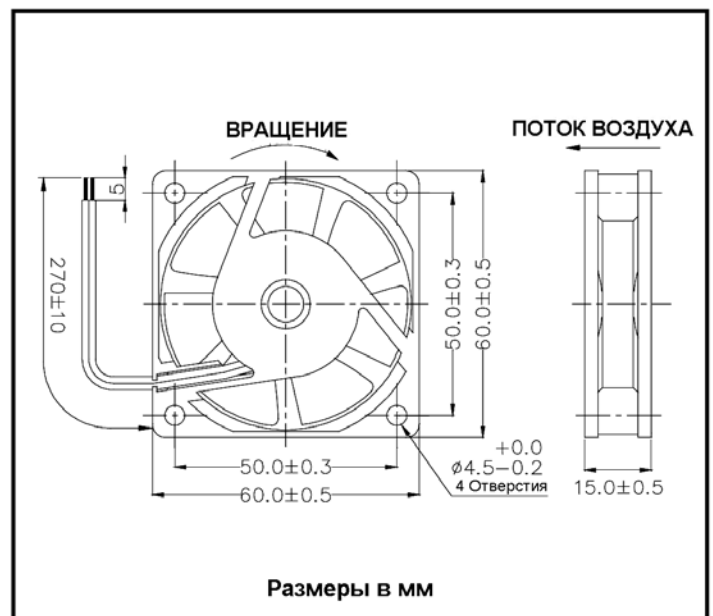
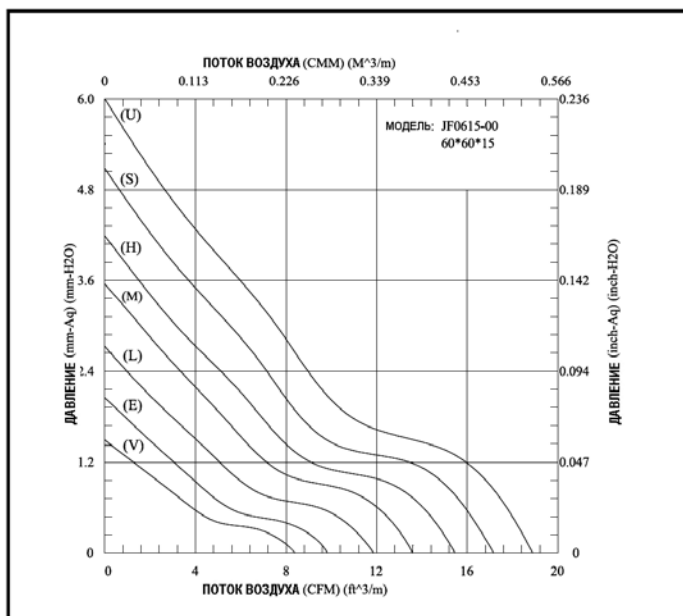
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0615-5HR00	B, S	5	4.25 ~ 5.75	15.45	0.165	4500	0.25	1.25	0.26	30.5	45
JF0615-5MR00	B, S			13.58	0.140	4000	0.20	1.00	0.21	28.8	
JF0615-5L-00	B, S			11.86	0.107	3500	0.17	0.85	0.17	25.4	
JF0615-5E-00	B, S			9.82	0.081	3000	0.14	0.70	0.14	21.2	
JF0615-5V-00	B, S			8.39	0.059	2500	0.11	0.55	0.11	17.9	
JF0615B1UR00	2 B	12	10.2 ~ 13.8	18.87	0.220	5500	0.15	1.80	0.16	37.5	
JF0615B1S-00	2 B			17.16	0.200	5000	0.14	1.68	0.15	33.7	
JF0615-1H-00	B, S			15.45	0.165	4500	0.13	1.56	0.17	30.5	
JF0615-1M-00	B, S			13.58	0.140	4000	0.12	1.44	0.15	28.8	
JF0615-1L-00	B, S			11.86	0.107	3500	0.10	1.20	0.12	25.4	
JF0615-1E-00	B, S	24	20.4 ~ 27.6	9.82	0.081	3000	0.08	0.96	0.09	21.2	
JF0615-1V-00	B, S			8.39	0.059	2500	0.07	0.84	0.07	17.9	
JF0615B2UR00	2 B			18.87	0.220	5500	0.11	2.64	0.12	37.5	
JF0615B2S-00	2 B			17.16	0.200	5000	0.10	2.40	0.11	33.7	
JF0615-2H-00	B, S			15.45	0.165	4500	0.13	3.12	0.13	30.5	
JF0615-2M-00	B, S	24	20.4 ~ 27.6	13.58	0.140	4000	0.11	2.64	0.11	28.8	
JF0615-2L-00	B, S			11.86	0.107	3500	0.09	2.16	0.09	25.4	
JF0615-2E-00	B, S			9.82	0.081	3000	0.06	1.44	0.06	21.2	
JF0615-2V-00	B, S			8.39	0.059	2500	0.04	0.96	0.04	17.9	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



60X60X20 мм

JF0620-00 Серия



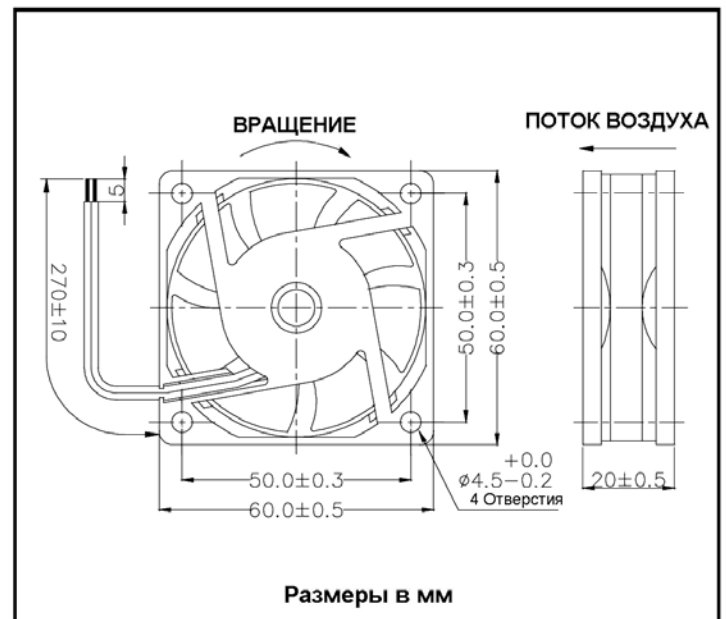
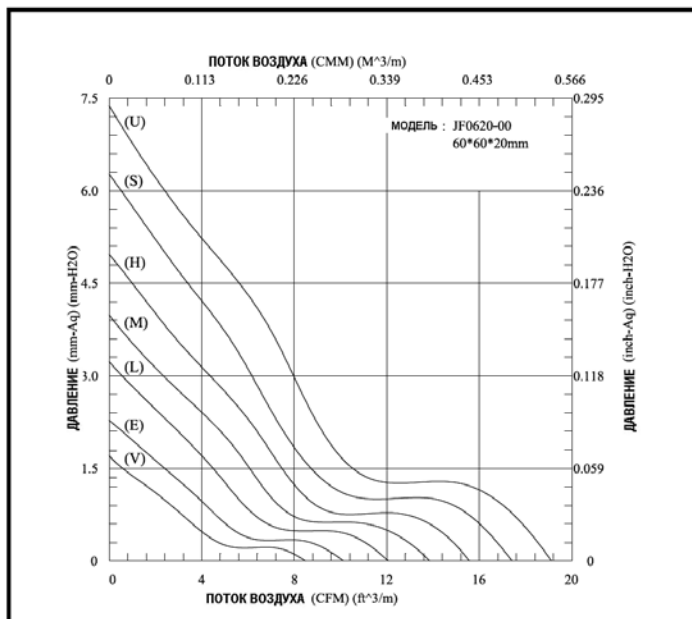
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0620B1UR00	2 B	12	10.2 ~ 13.8	19.11	0.291	5500	0.19	2.28	0.20	35.9	50
JF0620-1S-00	B, S			17.41	0.247	5000	0.17	2.04	0.18	32.8	
JF0620-1H-00	B, S			15.56	0.196	4500	0.15	1.80	0.17	29.4	
JF0620-1M-00	B, S			13.84	0.157	4000	0.13	1.56	0.15	26.4	
JF0620-1L-00	B, S			12.06	0.127	3500	0.10	1.20	0.13	23.6	
JF0620-1E-00	B, S			10.13	0.090	3000	0.09	1.08	0.09	20.3	
JF0620-1V-00	B, S			8.48	0.068	2500	0.07	0.84	0.07	17.1	
JF0620B2UR00	2 B	24	20.4 ~ 27.6	19.11	0.291	5500	0.12	2.88	0.13	35.9	
JF0620-2S-00	B, S			17.41	0.247	5000	0.10	2.40	0.11	32.8	
JF0620-2H-00	B, S			15.56	0.196	4500	0.09	2.16	0.13	29.4	
JF0620-2M-00	B, S			13.84	0.157	4000	0.08	1.92	0.11	26.4	
JF0620-2L-00	B, S			12.06	0.127	3500	0.07	1.68	0.07	23.6	
JF0620-2E-00	B, S			10.13	0.090	3000	0.06	1.44	0.06	20.3	
JF0620-2V-00	B, S			8.48	0.068	2500	0.05	1.20	0.05	17.1	

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60X60X25 мм

JF0625-00 Серия



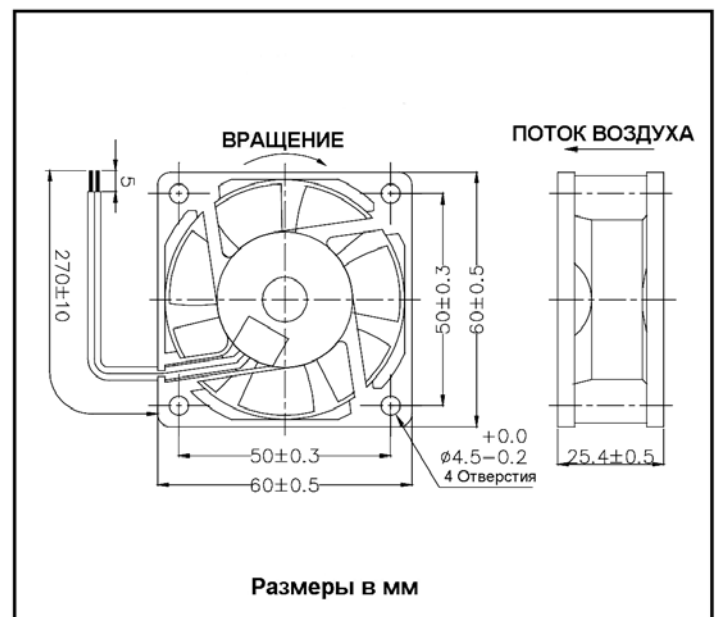
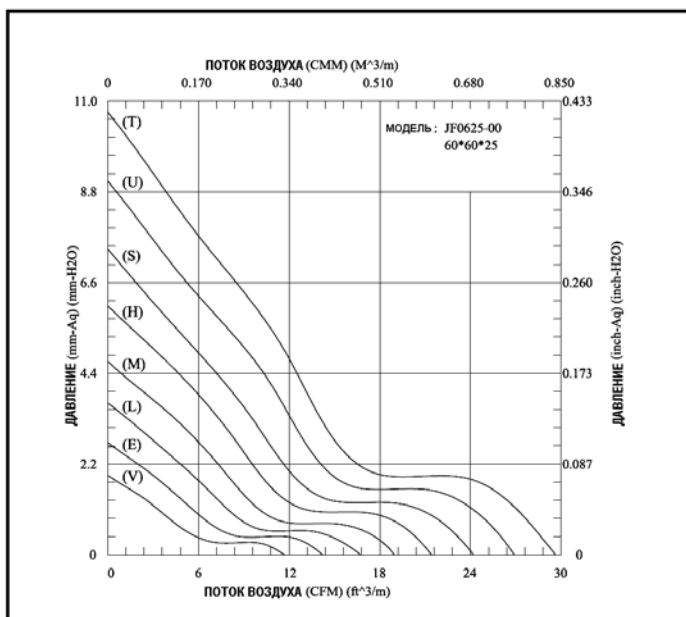
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
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ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

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JF0625B1TR00	2 B	12	10.2 ~ 13.8	29.69	0.422	6000	0.37	4.44	0.38	42.5	65
JF0625B1UR00	2 B			26.96	0.357	5500	0.29	3.48	0.30	39.6	
JF0625-1S-00	B, S			24.27	0.292	5000	0.22	2.64	0.22	35.7	
JF0625-1H-00	B, S			21.44	0.237	4500	0.20	2.40	0.23	34.1	
JF0625-1M-00	B, S			19.00	0.185	4000	0.16	1.92	0.20	31.3	
JF0625-1L-00	B, S			16.76	0.145	3500	0.13	1.56	0.17	27.3	
JF0625-1E-00	B, S			14.24	0.108	3000	0.11	1.32	0.11	22.4	
JF0625-1V-00	B, S			11.72	0.076	2500	0.08	0.96	0.08	20.2	
JF0625B2TR00	2 B	24	20.4 ~ 27.6	29.69	0.422	6000	0.20	4.80	0.21	42.5	
JF0625B2UR00	2 B			26.96	0.357	5500	0.16	3.84	0.16	39.6	
JF0625-2S-00	B, S			24.27	0.292	5000	0.13	3.12	0.14	35.7	
JF0625-2H-00	B, S			21.44	0.237	4500	0.12	2.88	0.17	34.1	
JF0625-2M-00	B, S			19.00	0.185	4000	0.11	2.64	0.13	31.3	
JF0625-2L-00	B, S			16.76	0.145	3500	0.10	2.40	0.12	27.3	
JF0625-2E-00	B, S			14.24	0.108	3000	0.07	1.68	0.07	22.4	
JF0625-2V-00	B, S			11.72	0.076	2500	0.06	1.44	0.06	20.2	
JF0625B4SR00	2 B	48	40.8 ~ 60.0	24.27	0.292	5000	0.09	4.32	0.09	35.7	
JF0625B4HR00	2 B			21.44	0.237	4500	0.07	3.36	0.08	34.1	
JF0625B4MR00	2 B			19.00	0.185	4000	0.06	2.88	0.07	31.3	
JF0625B4LR00	2 B			16.76	0.145	3500	0.05	2.40	0.06	27.3	

Технические характеристики могут быть изменены без уведомления

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60X60X25 мм

JF0625-01 Серия



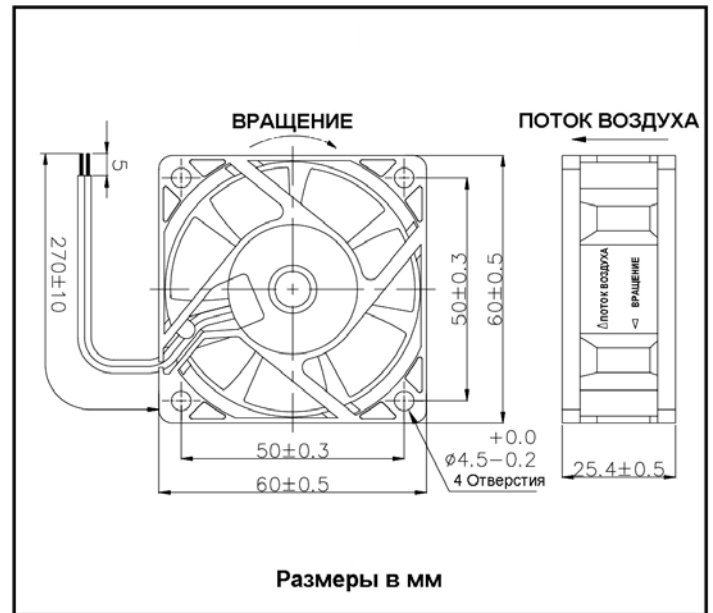
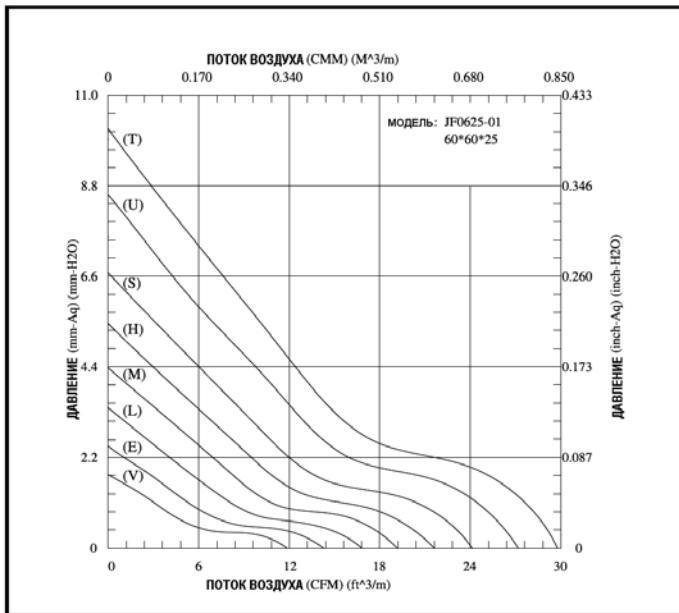
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0625B1TR01	2 В	12	10.2 ~ 13.8	29.77	0.401	6000	0.37	4.44	0.38	42.1	55
JF0625-1UR01	В, Н			27.17	0.338	5500	0.29	3.48	0.30	40.1	
JF0625-1S-01	В, Н, S			24.12	0.263	5000	0.22	2.64	0.22	37.2	
JF0625-1H-01	В, Н, S			21.56	0.215	4500	0.20	2.40	0.23	34.5	
JF0625-1M-01	В, Н, S			19.15	0.172	4000	0.16	1.92	0.20	30.5	
JF0625-1L-01	В, Н, S			16.78	0.134	3500	0.13	1.56	0.17	27.4	
JF0625-1E-01	В, Н, S			14.26	0.097	3000	0.11	1.32	0.11	23.1	
JF0625-1V-01	В, Н, S			11.84	0.070	2500	0.08	0.96	0.08	20.1	
JF0625B2TR01	2 В			24	20.4 ~ 27.6	29.77	0.401	6000	0.20	4.80	
JF0625-2UR01	В, Н	27.17	0.338			5500	0.16	3.84	0.16	40.1	
JF0625-2S-01	В, Н	24.12	0.263			5000	0.13	3.12	0.14	37.2	
JF0625-2H-01	В, Н, S	21.56	0.215			4500	0.12	2.88	0.17	34.5	
JF0625-2M-01	В, Н, S	19.15	0.172			4000	0.11	2.64	0.13	30.5	
JF0625-2L-01	В, Н, S	16.78	0.134			3500	0.10	2.40	0.12	27.4	
JF0625-2E-01	В, Н, S	14.26	0.097			3000	0.07	1.68	0.07	23.1	
JF0625-2V-01	В, Н, S	11.84	0.070			2500	0.06	1.44	0.06	20.1	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



60X60X25 мм

JF0625-02 Серия



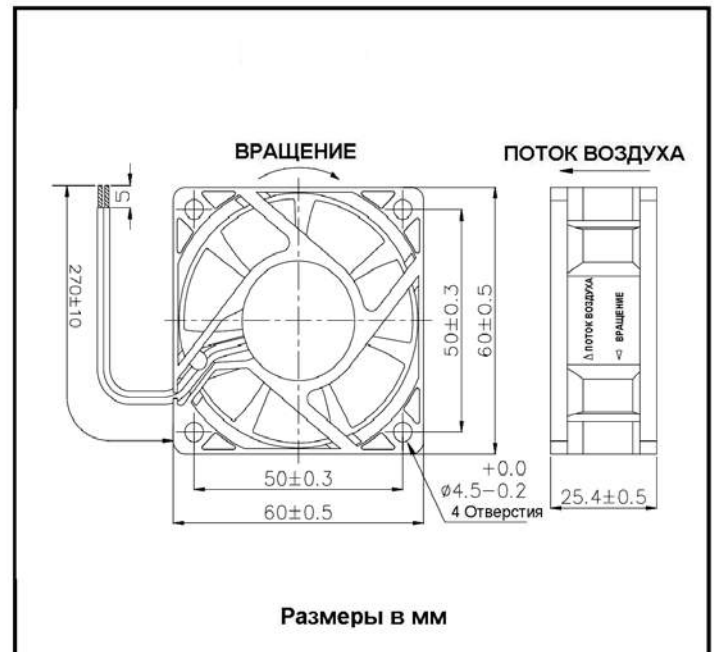
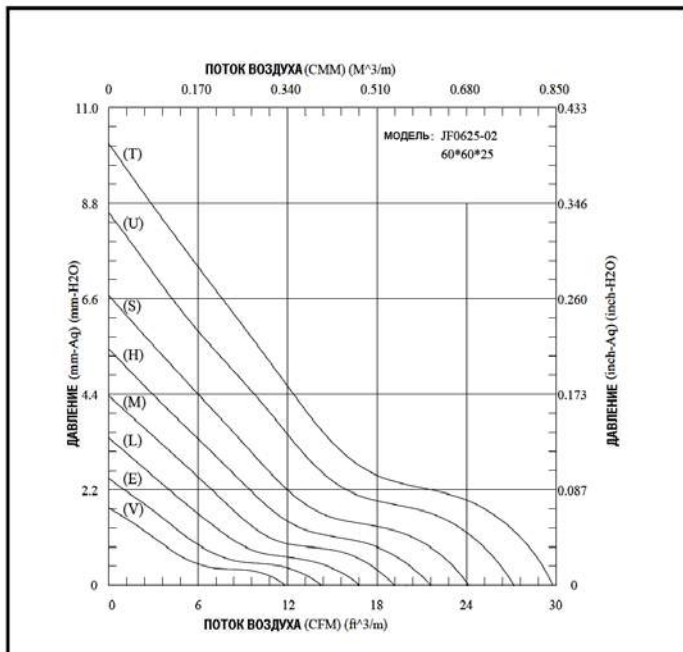
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0625B1TR02	2 В	12	10.2 ~ 13.8	29.77	0.401	6000	0.37	4.44	0.38	42.1	55
JF0625-1UR02	В, Н			27.17	0.338	5500	0.29	3.48	0.30	40.1	
JF0625-1S-02	В, Н, S			24.12	0.263	5000	0.22	2.64	0.22	37.2	
JF0625-1H-02	В, Н, S			21.56	0.215	4500	0.20	2.40	0.23	34.5	
JF0625-1M-02	В, Н, S			19.15	0.172	4000	0.16	1.92	0.20	30.5	
JF0625-1L-02	В, Н, S			16.78	0.134	3500	0.13	1.56	0.17	27.4	
JF0625-1E-02	В, Н, S			14.26	0.097	3000	0.11	1.32	0.11	23.1	
JF0625-1V-02	В, Н, S			11.84	0.070	2500	0.08	0.96	0.08	20.1	
JF0625B2TR02	2 В	24	20.4 ~ 27.6	29.77	0.401	6000	0.20	4.80	0.21	42.1	
JF0625-2UR02	В, Н			27.17	0.338	5500	0.16	3.84	0.16	40.1	
JF0625-2S-02	В, Н			24.12	0.263	5000	0.13	3.12	0.14	37.2	
JF0625-2H-02	В, Н, S			21.56	0.215	4500	0.12	2.88	0.17	34.5	
JF0625-2M-02	В, Н, S			19.15	0.172	4000	0.11	2.64	0.13	30.5	
JF0625-2L-02	В, Н, S			16.78	0.134	3500	0.10	2.40	0.12	27.4	
JF0625-2E-02	В, Н, S			14.26	0.097	3000	0.07	1.68	0.07	23.1	
JF0625-2V-02	В, Н, S			11.84	0.070	2500	0.06	1.44	0.06	20.1	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



80X80X15 мм

JF0815-03 Серия



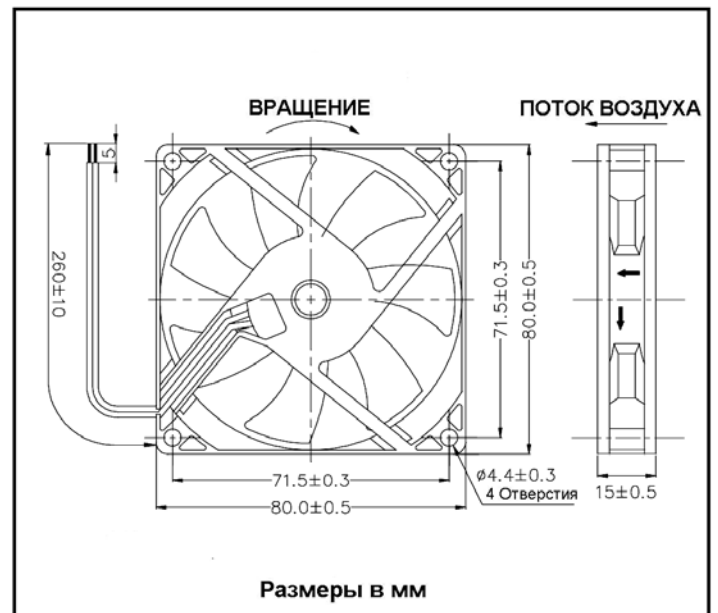
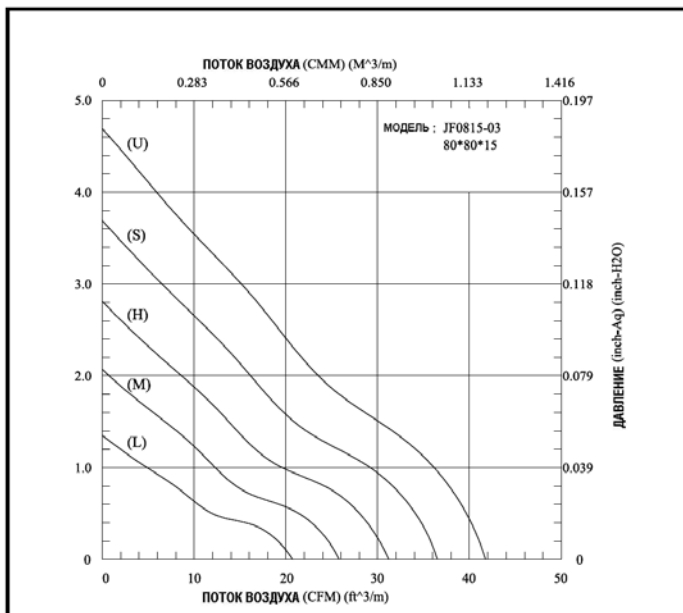
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0815-1UR03	В, Н	12	10.2 ~ 13.8	41.75	0.185	4000	0.31	3.72	0.34	38.0	44
JF0815-1SR03	В, Н, S			36.50	0.145	3500	0.20	2.40	0.22	35.2	
JF0815-1H-03	В, Н, S			31.22	0.111	3000	0.15	1.80	0.17	30.3	
JF0815-1M-03	В, Н, S			25.79	0.081	2500	0.10	1.20	0.11	25.6	
JF0815-1L-03	В, Н, S			20.73	0.053	2000	0.05	0.60	0.06	21.6	
JF0815-2UR03	В, Н	24	20.4 ~ 27.6	41.75	0.185	4000	0.15	3.60	0.17	38.0	
JF0815-2SR03	В, Н			36.50	0.145	3500	0.11	2.64	0.14	35.2	
JF0815-2H-03	В, Н, S			31.22	0.111	3000	0.09	2.16	0.10	30.3	
JF0815-2M-03	В, Н, S			25.79	0.081	2500	0.06	1.44	0.07	25.6	
JF0815-2L-03	В, Н, S			20.73	0.053	2000	0.05	1.20	0.06	21.6	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



80X80X25 мм

JF0825-00 Серия



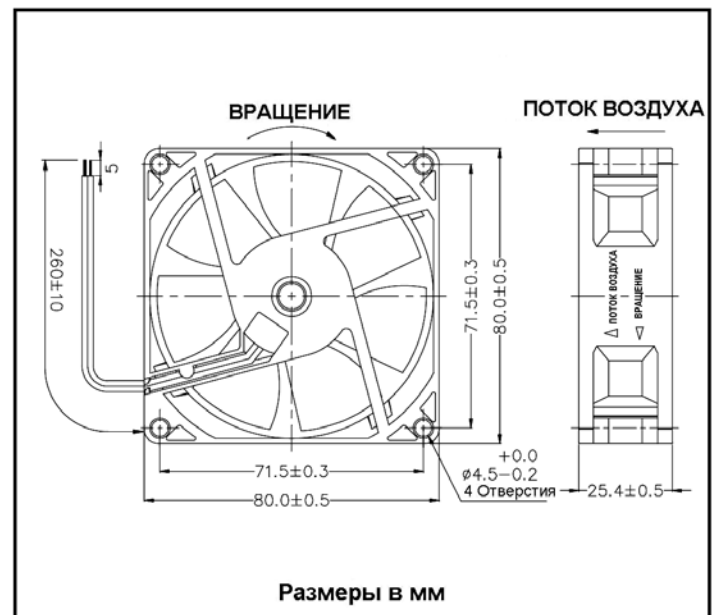
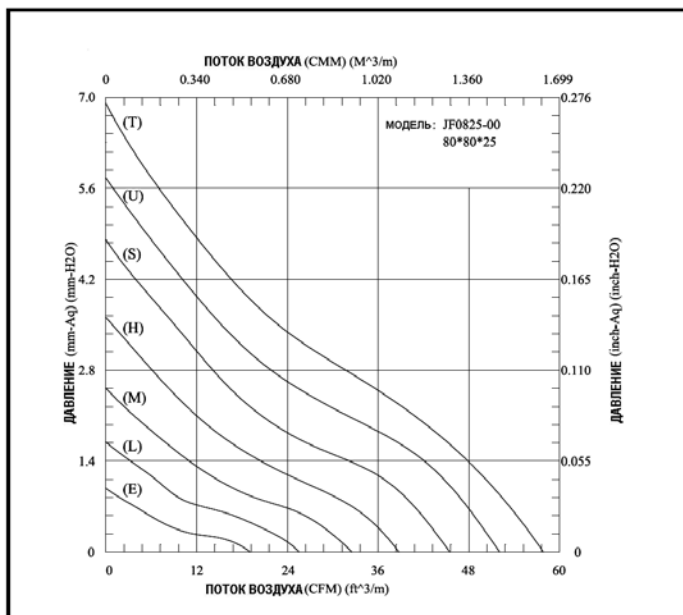
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0825B1UR00	2 B	12	10.2 ~ 13.8	52.06	0.227	4000	0.37	4.44	0.37	40.0	80
JF0825-1SR00	B, S			45.46	0.189	3500	0.26	3.12	0.26	35.8	
JF0825-1H-00	B, S			38.74	0.142	3000	0.19	2.28	0.19	31.0	
JF0825-1M-00	B, S			32.52	0.099	2500	0.13	1.56	0.15	27.8	
JF0825-1L-00	B, S			25.54	0.067	2000	0.09	1.08	0.10	22.2	
JF0825-1E-00	B, S			19.09	0.039	1500	0.06	0.72	0.06	15.9	
JF0825B2TR00	2 B	24	20.4 ~ 27.6	57.84	0.272	4500	0.27	6.48	0.27	42.4	
JF0825B2UR00	2 B			52.06	0.227	4000	0.21	5.04	0.21	40.0	
JF0825-2SR00	B, S			45.46	0.189	3500	0.16	3.84	0.17	35.8	
JF0825-2H-00	B, S			38.74	0.142	3000	0.13	3.12	0.15	31.0	
JF0825-2M-00	B, S			32.52	0.099	2500	0.10	2.40	0.13	27.8	
JF0825-2L-00	B, S			25.54	0.067	2000	0.08	1.92	0.10	22.2	
JF0825-2E-00	B, S	19.09	0.039	1500	0.04	0.96	0.05	15.9			
JF0825B4SR00	2 B	48	40.8 ~ 60.0	45.46	0.189	3500	0.10	4.80	0.10	35.8	
JF0825B4HR00	2 B			38.74	0.142	3000	0.08	3.84	0.08	31.0	
JF0825B4MR00	2 B			32.52	0.099	2500	0.06	2.88	0.06	27.8	
JF0825B4LR00	2 B			25.54	0.067	2000	0.05	2.40	0.05	22.2	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



Размеры в мм

80X80X25 мм

JF0825-01 Серия



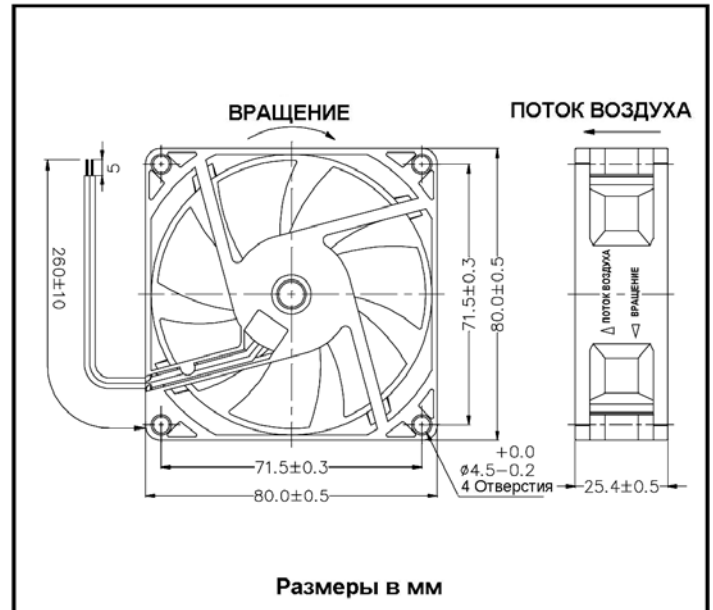
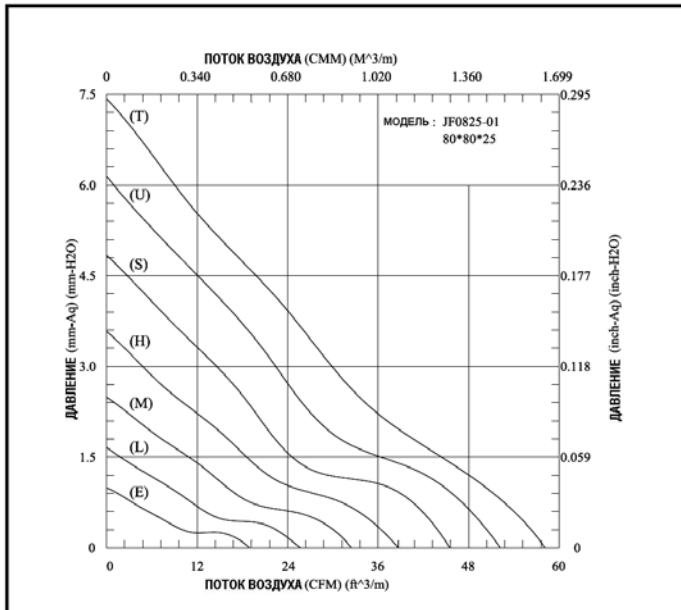
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0825-1UR01	В, Н	12	10.2 ~ 13.8	52.20	0.242	4000	0.37	4.44	0.37	40.7	70
JF0825-1SR01	В, Н, S			45.50	0.191	3500	0.26	3.12	0.26	36.7	
JF0825-1H-01	В, Н, S			38.39	0.141	3000	0.19	2.28	0.19	32.1	
JF0825-1M-01	В, Н, S			32.41	0.098	2500	0.13	1.56	0.15	28.8	
JF0825-1L-01	В, Н, S			25.66	0.065	2000	0.09	1.08	0.10	22.4	
JF0825-1E-01	В, Н, S			18.93	0.039	1500	0.06	0.72	0.06	13.9	
JF0825-2TR01	В, Н	24	20.4 ~ 27.6	58.10	0.293	4500	0.27	6.48	0.27	43.9	
JF0825-2UR01	В, Н			52.20	0.242	4000	0.21	5.04	0.21	40.7	
JF0825-2SR01	В, Н, S			45.50	0.191	3500	0.16	3.84	0.17	36.7	
JF0825-2H-01	В, Н, S			38.39	0.141	3000	0.13	3.12	0.15	32.1	
JF0825-2M-01	В, Н, S			32.41	0.098	2500	0.10	2.40	0.13	28.8	
JF0825-2L-01	В, Н, S			25.66	0.065	2000	0.08	1.92	0.10	22.4	
JF0825-2E-01	В, Н, S	18.93	0.039	1500	0.04	0.96	0.05	13.9			
JF0825B4SR01	2 В	48	40.8 ~ 60.0	45.50	0.191	3500	0.10	4.80	0.10	36.7	
JF0825B4HR01	2 В			38.39	0.141	3000	0.08	3.84	0.08	32.1	
JF0825B4MR01	2 В			32.41	0.098	2500	0.06	2.88	0.06	28.8	
JF0825B4LR01	2 В			25.66	0.065	2000	0.05	2.40	0.05	22.4	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



80X80X25 мм

JF0825-02 Серия



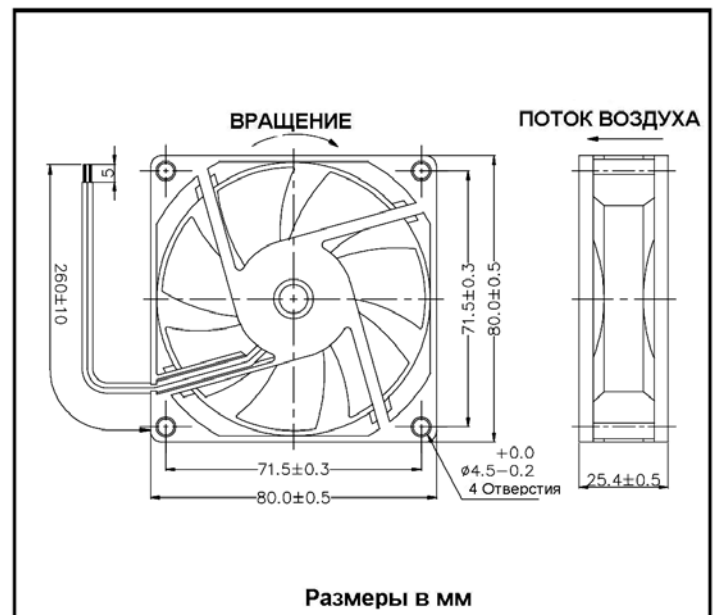
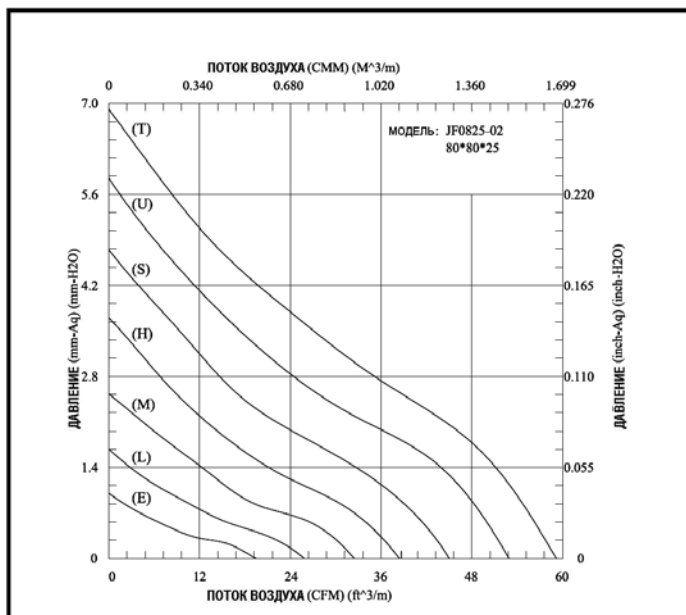
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0825-1UR02	В, Н	12	10.2 ~ 13.8	52.90	0.230	4000	0.37	4.44	0.37	40.8	80
JF0825-1SR02	В, Н, S			45.00	0.187	3500	0.26	3.12	0.26	35.9	
JF0825-1H-02	В, Н, S			38.67	0.146	3000	0.19	2.28	0.19	31.4	
JF0825-1M-02	В, Н, S			32.42	0.100	2500	0.13	1.56	0.15	27.9	
JF0825-1L-02	В, Н, S			25.81	0.066	2000	0.09	1.08	0.10	22.1	
JF0825-1E-02	В, Н, S			19.43	0.039	1500	0.06	0.72	0.06	17.5	
JF0825-2TR02	В, Н	24	20.4 ~ 27.6	59.12	0.272	4500	0.27	6.48	0.27	43.5	
JF0825-2UR02	В, Н			52.90	0.230	4000	0.21	5.04	0.21	40.8	
JF0825-2SR02	В, Н, S			45.00	0.187	3500	0.16	3.84	0.17	35.9	
JF0825-2H-02	В, Н, S			38.67	0.146	3000	0.13	3.12	0.15	31.4	
JF0825-2M-02	В, Н, S			32.42	0.100	2500	0.10	2.40	0.13	27.9	
JF0825-2L-02	В, Н, S			25.81	0.066	2000	0.08	1.92	0.10	22.1	
JF0825-2E-02	В, Н, S	19.43	0.039	1500	0.04	0.96	0.05	17.5			
JF0825B4SR02	2 В	48	40.8 ~ 60.0	45.00	0.187	3500	0.10	4.80	0.10	35.9	
JF0825B4HR02	2 В			38.67	0.146	3000	0.08	3.84	0.08	31.4	
JF0825B4MR02	2 В			32.42	0.100	2500	0.06	2.88	0.06	27.9	
JF0825B4LR02	2 В			25.81	0.066	2000	0.05	2.40	0.05	22.1	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



80X80X25 мм

JF0825-03 Серия



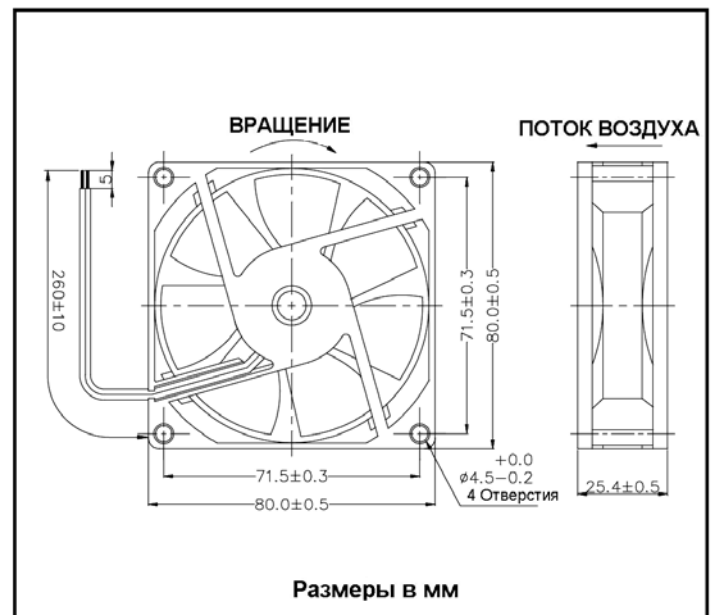
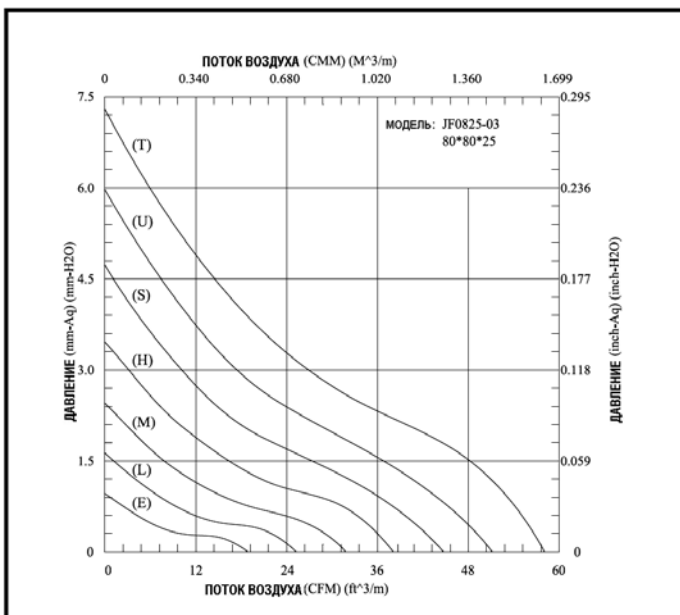
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0825B1UR03	2 B	12	10.2 ~ 13.8	51.15	0.235	4000	0.37	4.44	0.37	39.1	80
JF0825-1SR03	B, S			44.70	0.186	3500	0.26	3.12	0.26	34.9	
JF0825-1H-03	B, S			38.07	0.136	3000	0.19	2.28	0.19	31.6	
JF0825-1M-03	B, S			31.80	0.096	2500	0.13	1.56	0.15	28.5	
JF0825-1L-03	B, S			25.26	0.064	2000	0.09	1.08	0.10	21.5	
JF0825-1E-03	B, S			18.88	0.038	1500	0.06	0.72	0.06	15.4	
JF0825B2TR03	2 B	24	20.4 ~ 27.6	58.04	0.287	4500	0.27	6.48	0.27	41.9	
JF0825B2UR03	2 B			51.15	0.235	4000	0.21	5.04	0.21	39.1	
JF0825-2SR03	B, S			44.70	0.186	3500	0.16	3.84	0.17	34.9	
JF0825-2H-03	B, S			38.07	0.136	3000	0.13	3.12	0.15	31.6	
JF0825-2M-03	B, S			31.80	0.096	2500	0.10	2.40	0.13	28.5	
JF0825-2L-03	B, S			25.26	0.064	2000	0.08	1.92	0.10	21.5	
JF0825-2E-03	B, S	18.88	0.038	1500	0.04	0.96	0.05	15.4			
JF0825B4SR03	2 B	48	40.8 ~ 60.0	44.70	0.186	3500	0.10	4.80	0.10	34.9	
JF0825B4HR03	2 B			38.07	0.136	3000	0.08	3.84	0.08	31.6	
JF0825B4MR03	2 B			31.80	0.096	2500	0.06	2.88	0.06	28.5	
JF0825B4LR03	2 B			25.26	0.064	2000	0.05	2.40	0.05	21.5	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



80X80X25 мм

JF0825-06 Серия



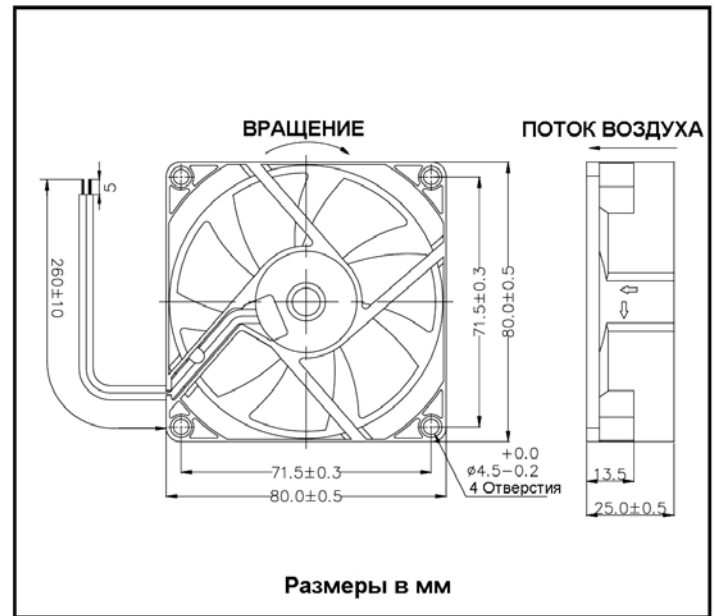
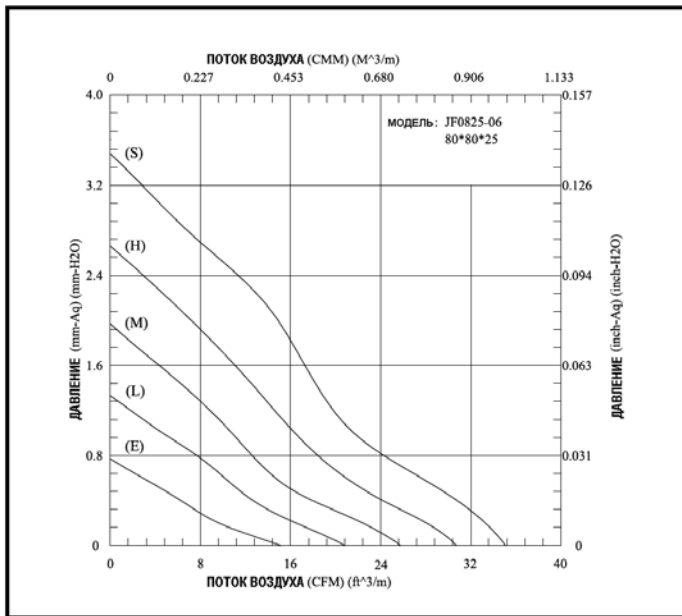
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0825-1SR06	H, S	12	10.2 ~ 13.8	35.19	0.137	3500	0.26	3.12	0.26	38.0	53
JF0825-1H-06	H, S			30.73	0.105	3000	0.19	2.28	0.19	33.5	
JF0825-1M-06	H, S			25.80	0.078	2500	0.13	1.56	0.15	29.0	
JF0825-1L-06	H, S			20.85	0.052	2000	0.09	1.08	0.10	23.2	
JF0825-1E-06	H, S			15.22	0.030	1500	0.06	0.72	0.06	15.8	
JF0825-2S-06	H, S	24	20.4 ~ 27.6	35.19	0.137	3500	0.16	3.84	0.17	38.0	
JF0825-2H-06	H, S			30.73	0.105	3000	0.13	3.12	0.15	33.5	
JF0825-2M-06	H, S			25.80	0.078	2500	0.10	2.40	0.13	29.0	
JF0825-2L-06	H, S			20.85	0.052	2000	0.07	1.68	0.10	23.2	
JF0825-2E-06	H, S			15.22	0.030	1500	0.04	0.96	0.05	15.8	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



92X92X25 мм

JF0925-00 Серия



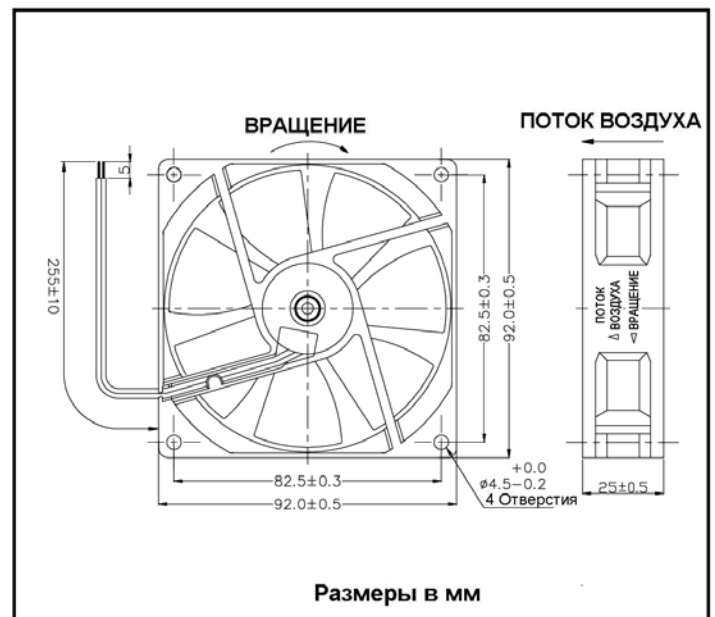
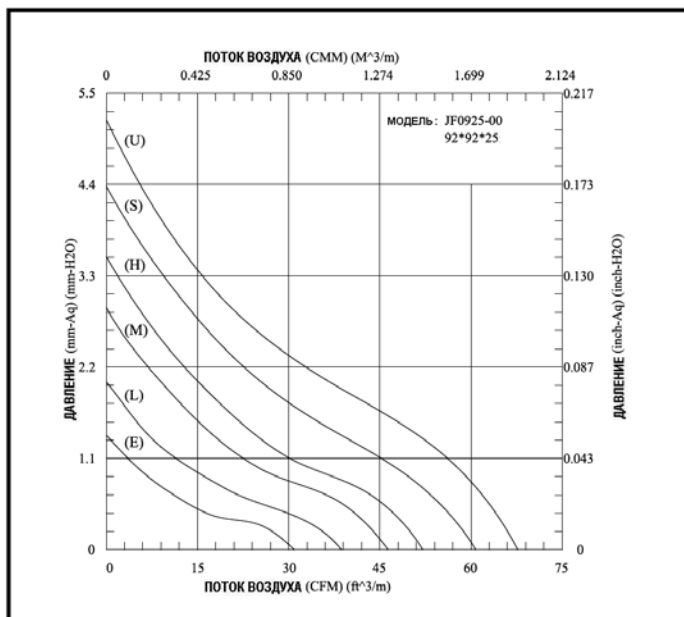
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF0925-1UR00	В, Н	12	10.2 ~ 13.8	67.65	0.204	3500	0.35	4.20	0.42	41.9	85
JF0925-1SR00	В, Н, S			60.75	0.172	3200	0.31	3.72	0.32	38.9	
JF0925-1H-00	В, Н, S			52.04	0.139	2800	0.25	3.00	0.35	35.1	
JF0925-1M-00	В, Н, S			46.31	0.115	2500	0.17	2.04	0.20	32.0	
JF0925-1L-00	В, Н, S			38.64	0.080	2100	0.13	1.56	0.16	27.6	
JF0925-1E-00	В, Н, S			30.86	0.054	1700	0.09	1.08	0.10	23.1	
JF0925-2UR00	В, Н	24	20.4 ~ 27.6	67.65	0.204	3500	0.23	4.20	0.24	41.9	
JF0925-2SR00	В, Н, S			60.75	0.172	3200	0.18	4.32	0.18	38.9	
JF0925-2H-00	В, Н, S			52.04	0.139	2800	0.15	3.60	0.19	35.1	
JF0925-2M-00	В, Н, S			46.31	0.115	2500	0.11	2.64	0.15	32.0	
JF0925-2L-00	В, Н, S			38.64	0.080	2100	0.08	1.92	0.13	27.6	
JF0925-2E-00	В, Н, S			30.86	0.054	1700	0.06	1.44	0.07	23.1	
JF0925B4HR00	2 В	48	40.8 ~ 60.0	52.04	0.139	2800	0.09	4.32	0.09	35.1	
JF0925B4MR00	2 В			46.31	0.115	2500	0.08	3.84	0.08	32.0	
JF0925B4LR00	2 В			38.64	0.080	2100	0.06	2.88	0.06	27.6	
JF0925B4ER00	2 В			30.86	0.054	1700	0.05	2.40	0.05	23.1	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



120X120X25 мм

JF1225-00 Серия



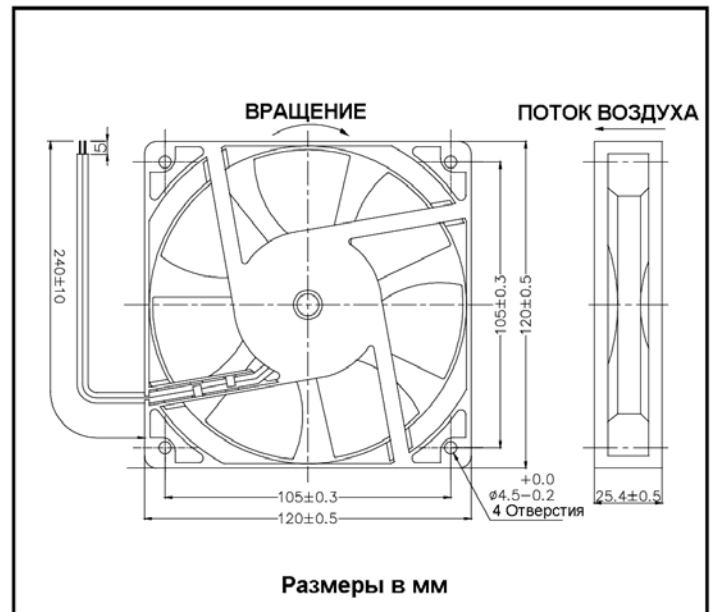
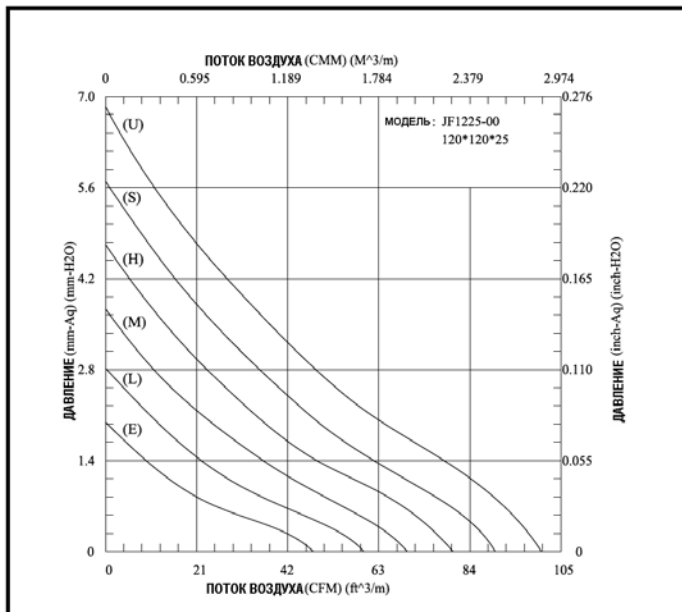
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF1225B1UR00	В, Н	12	10.2 ~ 13.8	100.50	0.269	3000	0.50	6.00	0.50	45.7	195
JF1225B1SR00	В, Н			89.87	0.224	2700	0.37	4.44	0.37	42.8	
JF1225-1H-00	В, Н, S			80.11	0.186	2400	0.25	3.00	0.30	39.5	
JF1225-1M-00	В, Н, S			69.57	0.147	2100	0.20	2.40	0.25	36.3	
JF1225-1L-00	В, Н, S			59.57	0.111	1800	0.14	1.68	0.20	32.4	
JF1225-1E-00	В, Н, S			47.88	0.078	1500	0.10	1.20	0.12	27.4	
JF1225B2UR00	В, Н	24	20.4 ~ 27.6	100.50	0.269	3000	0.28	6.72	0.28	45.7	
JF1225B2SR00	В, Н			89.87	0.224	2700	0.21	5.04	0.21	42.8	
JF1225-2H-00	В, Н, S			80.11	0.186	2400	0.20	4.80	0.25	39.5	
JF1225-2M-00	В, Н, S			69.57	0.147	2100	0.14	3.36	0.20	36.3	
JF1225-2L-00	В, Н, S			59.57	0.111	1800	0.11	2.64	0.15	32.4	
JF1225-2E-00	В, Н, S			47.88	0.078	1500	0.08	1.92	0.10	27.4	
JF1225B4UR00	2 В	48	40.8 ~ 60.0	100.50	0.269	3000	0.14	6.72	0.14	45.7	
JF1225B4SR00	2 В			89.87	0.224	2700	0.12	5.76	0.12	42.8	
JF1225B4HR00	2 В			80.11	0.186	2400	0.10	4.80	0.10	39.5	
JF1225B4MR00	2 В			69.57	0.147	2100	0.08	3.84	0.08	36.3	
JF1225B4LR00	2 В			59.57	0.111	1800	0.07	3.36	0.07	32.4	
JF1225B4ER00	2 В			47.88	0.078	1500	0.06	2.88	0.06	27.4	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



120X120X25 мм

JF1225-02 Серия



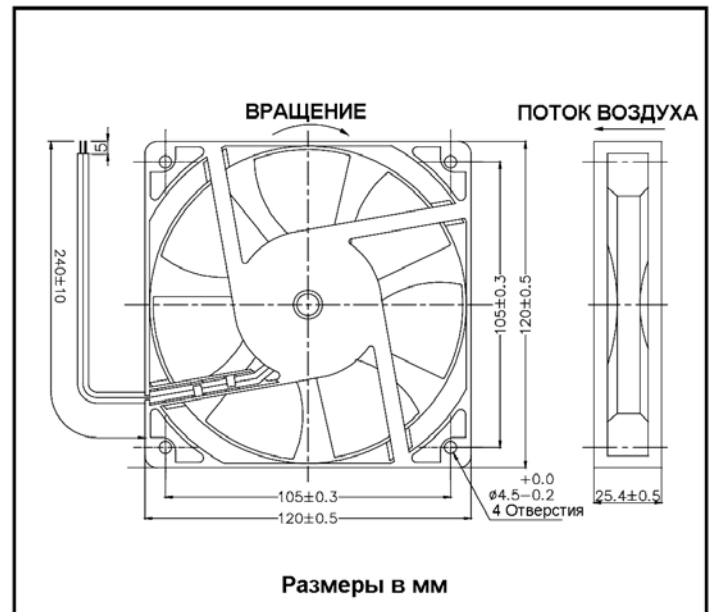
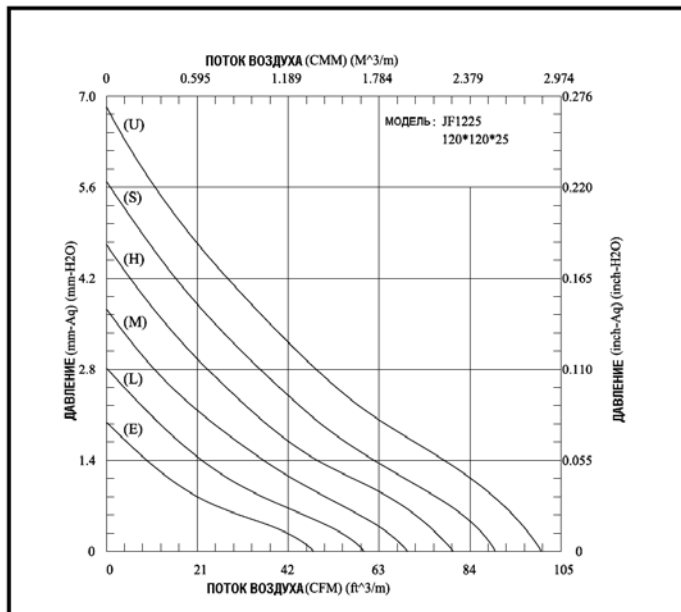
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF1225B1UR02	2 B	12	10.2 ~ 13.8	100.50	0.269	3000	0.50	6.00	0.50	45.7	195
JF1225B1SR02	2 B			89.87	0.224	2700	0.37	4.44	0.37	42.8	
JF1225-1H-02	B, S			80.11	0.186	2400	0.25	3.00	0.30	39.5	
JF1225-1M-02	B, S			69.57	0.147	2100	0.20	2.40	0.25	36.3	
JF1225-1L-02	B, S			59.57	0.111	1800	0.14	1.68	0.20	32.4	
JF1225-1E-02	B, S			47.88	0.078	1500	0.10	1.20	0.12	27.4	
JF1225B2UR02	2 B	24	20.4 ~ 27.6	100.50	0.269	3000	0.28	6.72	0.28	45.7	
JF1225B2SR02	2 B			89.87	0.224	2700	0.21	5.04	0.21	42.8	
JF1225-2H-02	B, S			80.11	0.186	2400	0.20	4.80	0.25	39.5	
JF1225-2M-02	B, S			69.57	0.147	2100	0.14	3.36	0.20	36.3	
JF1225-2L-02	B, S			59.57	0.111	1800	0.11	2.64	0.15	32.4	
JF1225-2E-02	B, S			47.88	0.078	1500	0.08	1.92	0.10	27.4	
JF1225B4UR02	2 B	48	40.8 ~ 60.0	100.50	0.269	3000	0.14	6.72	0.14	45.7	
JF1225B4SR02	2 B			89.87	0.224	2700	0.12	5.76	0.12	42.8	
JF1225B4HR02	2 B			80.11	0.186	2400	0.10	4.80	0.10	39.5	
JF1225B4MR02	2 B			69.57	0.147	2100	0.08	3.84	0.08	36.3	
JF1225B4LR02	2 B			59.57	0.111	1800	0.07	3.36	0.07	32.4	
JF1225B4ER02	2 B			100.50	0.269	3000	0.50	6.00	0.50	45.7	

Технические характеристики могут быть изменены без уведомления

Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



120X120X38 мм

JF1238-13 Серия



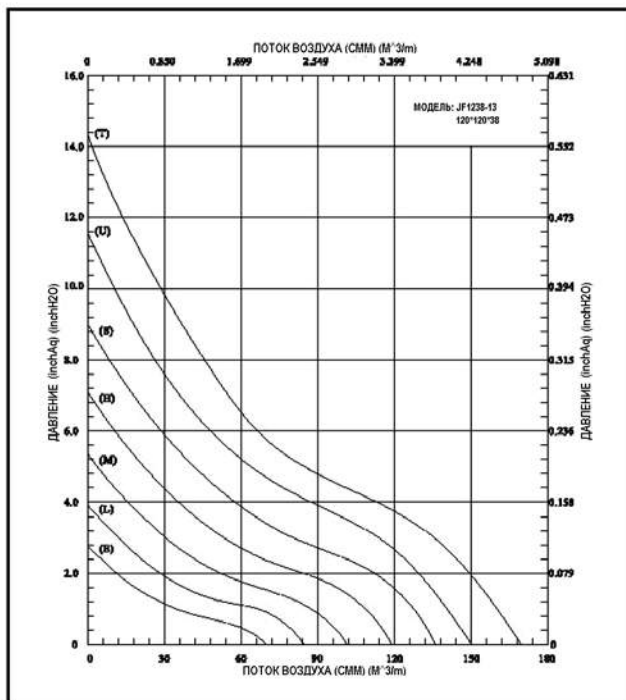
- **Рамка:** Пластик, паспорт UL94V-0
- **Крыльчатка:** Пластик, паспорт UL94V-0
- **Диапазон скоростей:** ±10%

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	Подшипник	Номинальное напряжение (В)	Рабочее напряжение (В)	Поток воздуха (CFM)	Статическое давление (inchH ₂ O)	Скорость (R.P.M.)	Входной ток (А)	Входная мощность (Ват)	Номинальный ток (А)	Шум (дБА)	Вес (грамм)
JF1238B1TR13	2 В	12	10.2 ~ 13.8	168.9	0.566	4000	1.33	15.96	1.50	53.2	265
JF1238B1UR13				151.17	0.459	3600	0.93	11.16	1.00	50.6	
JF1238B1SR13				135.8	0.356	3200	0.70	8.40	0.80	47.9	
JF1238-1HR13	B, S			118.7	0.281	2800	0.48	5.76	0.55	43.8	
JF1238-1MR13				101.3	0.213	2400	0.32	3.96	0.38	39.1	
JF1238-1LR13				84.5	0.155	2000	0.20	2.40	0.21	33.8	
JF1238-1ER13	2 В	24	20.4 ~ 27.6	69.6	0.109	1700	0.10	1.20	0.11	29.6	
JF1238B2TR13				168.9	0.566	4000	0.53	12.72	0.60	53.2	
JF1238B2UR13				151.17	0.459	3600	0.42	10.08	0.46	50.6	
JF1238B2SR13	135.8			0.356	3200	0.37	8.88	0.45	47.9		
JF1238-2HR13	B, S			118.7	0.281	2800	0.31	7.44	0.32	43.8	
JF1238-2MR13				101.3	0.213	2400	0.22	5.28	0.23	39.1	
JF1238-2LR13		84.5	0.155	2000	0.13	3.12	0.14	33.8			
JF1238-2ER13	2 В	48	40.8 ~ 60.0	69.6	0.109	1700	0.09	2.16	0.11	29.6	
JF1238B4TR13				168.9	0.566	4000	0.29	13.92	0.32	53.2	
JF1238B4UR13				151.17	0.459	3600	0.23	11.04	0.25	50.6	
JF1238B4SR13	135.8			0.356	3200	0.20	9.60	0.22	47.9		
JF1238B4HR13	2 В			118.7	0.281	2800	0.13	6.24	0.15	43.8	
JF1238B4MR13				101.3	0.213	2400	0.09	4.32	0.11	39.1	
JF1238B4LR13		84.5	0.155	2000	0.07	3.36	0.08	33.8			

Технические характеристики могут быть изменены без уведомления


Расшифровку кодов подшипников (7 позиция в парт номере вентилятора) смотрим в полной расшифровке парт номера.



SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :

MOTOR TYPE : 

DESCRIPTION : MagLev Motor Fan

DIMENSIONS : 120X120X38 mm

M O D E L : MEC0384V1-000U-A99

SUNON SPEC. NO. : D12017330G-00

CUSTOMER APPROVAL NO. :

APPROVED BY CUSTOMER :

(AUTHORIZED)

DRAWN	Mimi 11/01	CHECKED	March Kiddy	APPROVED	Kelly	SPEC.NO	D12017330G-00
						ISSUE DATE	01.16.2010
						EDITION	2
						REVISION DATE	11. 01. 2013
						E.SPEC	E10700043

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

NO. 30, LN. 296, XINYA RD., QIANZHEN DIST.,

TEL:886-7-8135888

KAOHSIUNG CITY 80673, TAIWAN (R.O.C)

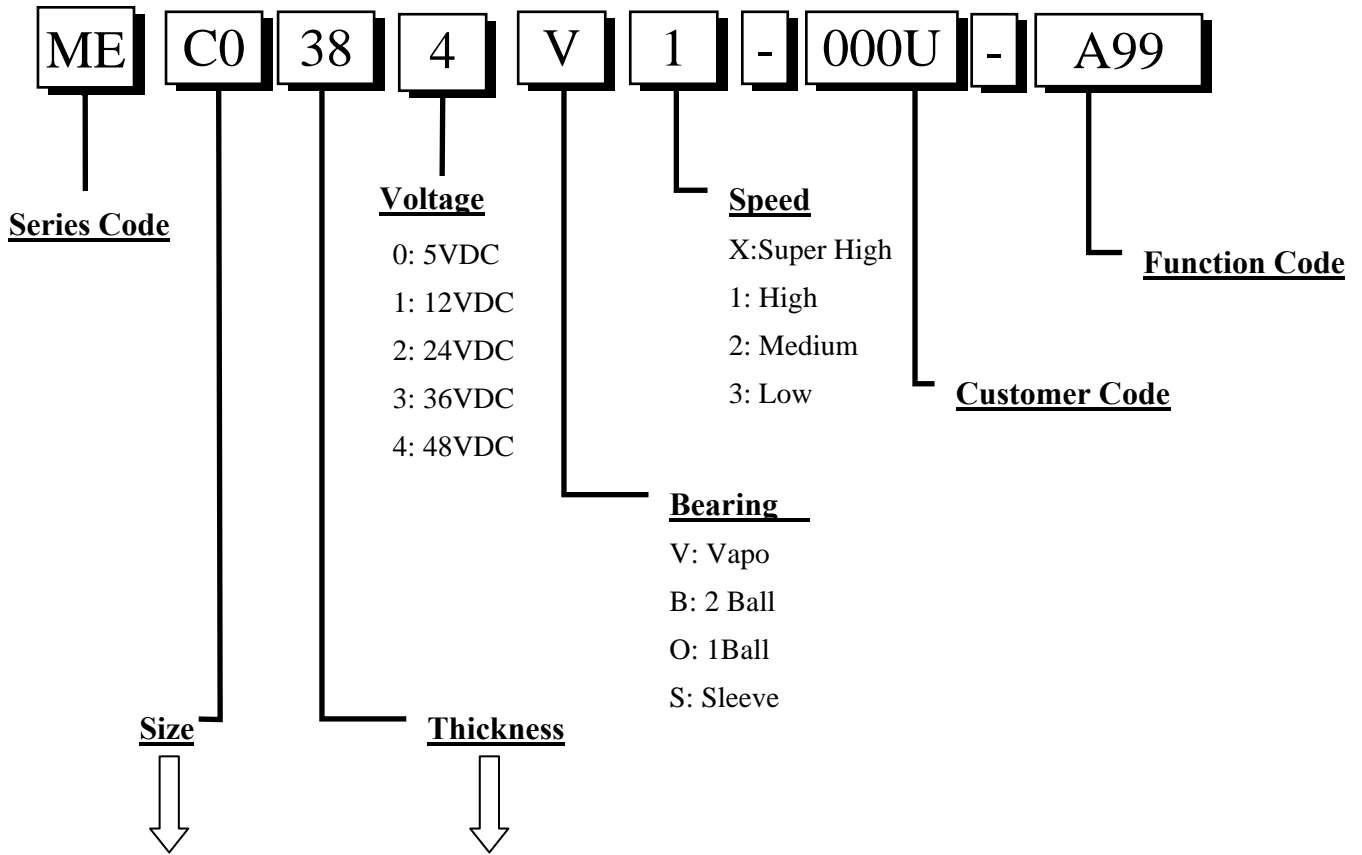
FAX:886-7-8230505/8230606/8231010

URL:<http://www.sunon.com>

E-mail: sunon@email.sunon.com.tw



I. MODEL NUMBERING SYSTEM



編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)
01~09	01~09	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	240~249	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	250~259		
60~69	60~69	G0~G9	160~169	R0~R9	260~269		
70~79	70~79	H0~H9	170~179	S0~S9	270~279		
80~89	80~89	I0~I9	180~189	T0~T9	280~289		
90~99	90~99	J0~J9	190~199	U0~U9	290~299		



II. SPECIFICATION

1. MECHANICAL CHARACTERISTIC

MOTOR DESIGN	2 phases, 4-poles Brushless DC motor
BEARING SYSTEM	Precise Vapo bearing system
DIMENSIONS	See Page 6
MATERIALS OF FRAME	Thermoplastic PBT of UL 94V-0
MATERIALS OF FAN BLADE	Thermoplastic PBT of UL 94V-0
DIRECTION OF ROTATION	Counter-clockwise viewed from front of fan blade
MOUNTING HOLES	Diameter 4.3 mm in 8 holes
WEIGHT	218 g

2. ELECTRIC CHARACTERISTIC

RATED VOLTAGE	48 VDC
RATED CURRENT	203 mA / Max. 233 mA
RATED POWER CONSUMPTION	9.7 WATTS / Max. 11.21 WATTS
OPERATING VOLTAGE RANGE	24~56 VDC
STARTING VOLTAGE	24 VDC (25 deg. C POWER ON/OFF)
OPERATING TEMPERATURE RANGE	-10 to + 70 deg. C
STORAGE TEMPERATURE RANGE	-40 to + 70 deg. C

3. PERFORMANCE CHARACTERISTIC

RATED SPEED	3100 RPM ± 10% at rated voltage
AIR FLOW	138 CFM
STATIC PRESSURE	0.36 Inch-H₂O
ACOUSTIC NOISE	48 dB(A)
AIR FLOW V.S. PRESSURE	See Page 5
INSULATION CLASS	UL Class A
INSULATION RESISTANCE PLASTIC HOUSING	10M ohm at 500 VDC between internal stator and lead wire (+)
DIELECTRIC STRENGTH	Applied AC 500 V for one minute or AC 600 V for 2 Seconds between housing and lead wire (+)
LIFE EXPECTANCY	70,000 hours at 40 deg. c , 65% humidity , 90%CL.
PROTECTION	<input checked="" type="checkbox"/> Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.
	<input checked="" type="checkbox"/> Polarity Protection

4. SAFETY

SAFETY	UL	CUR	TUV	CE
NO.	E77551	E77551	✓	✓

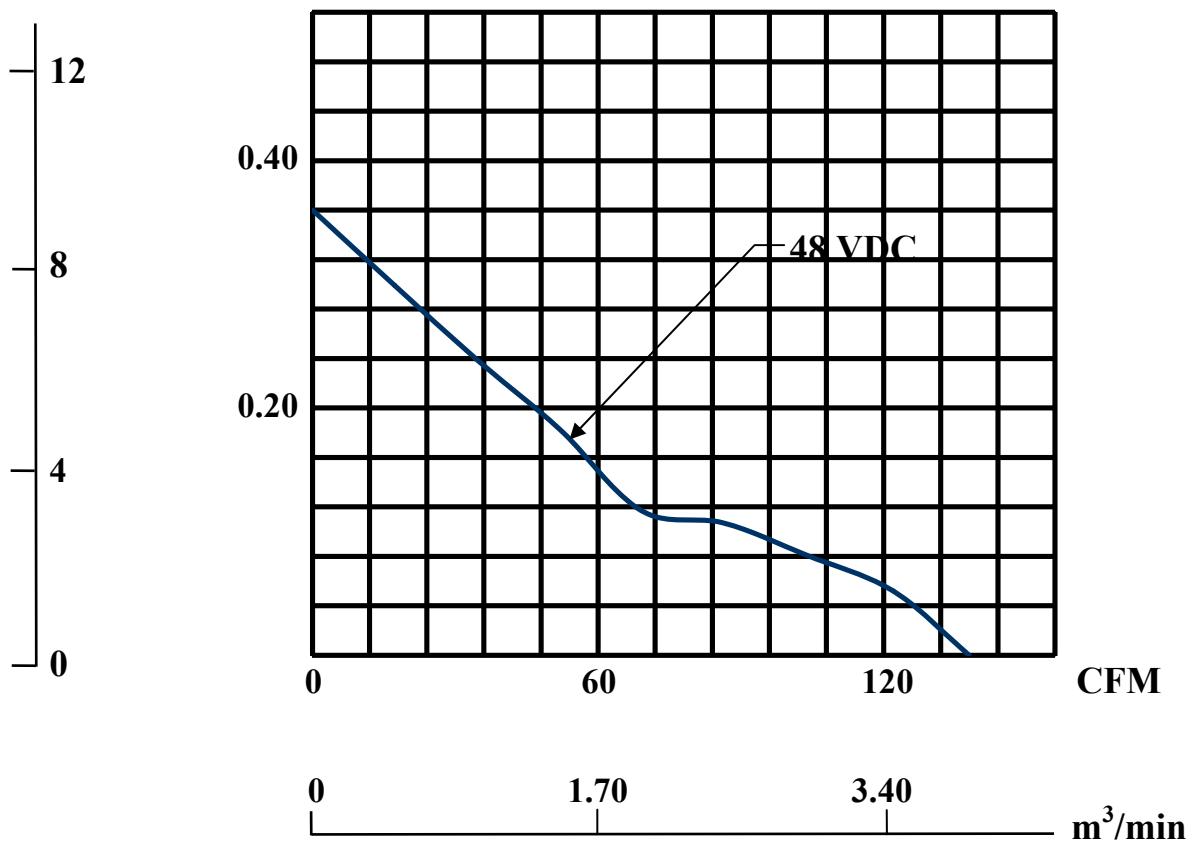
MODEL : MEC0384V1-000U-A99

PERFORMANCE CURVES

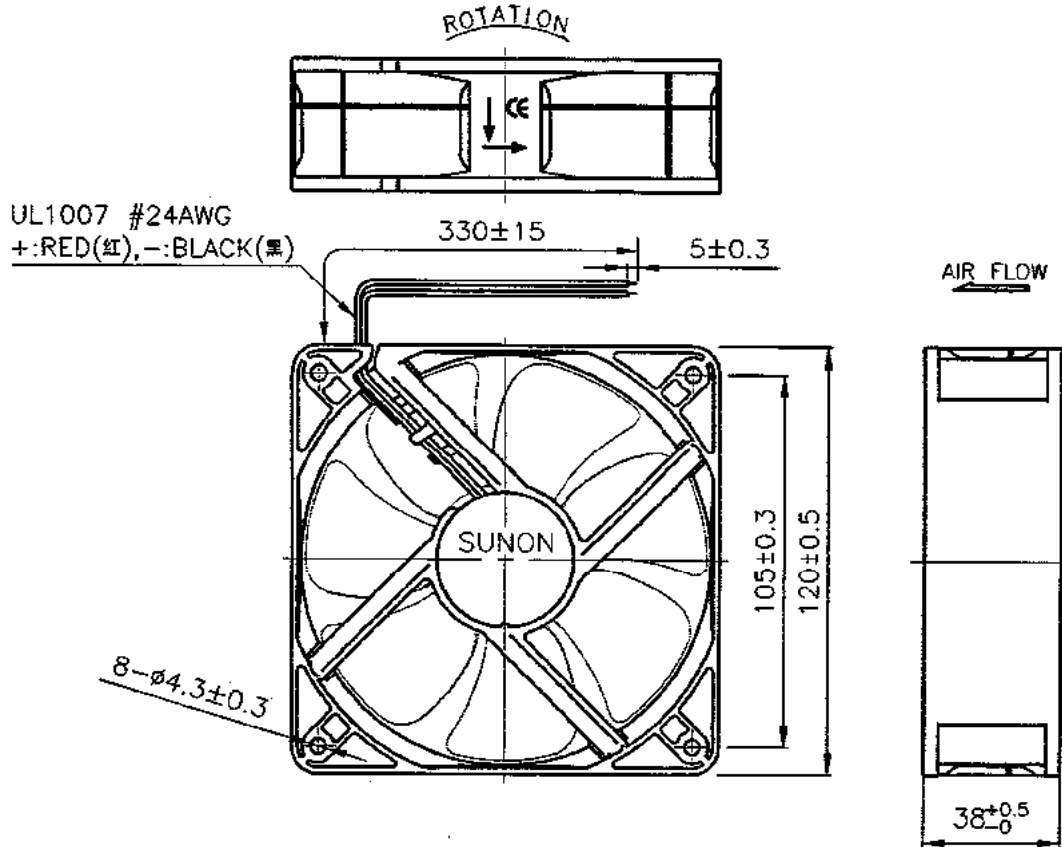
STATIC
PRESSURE

mm-H₂O

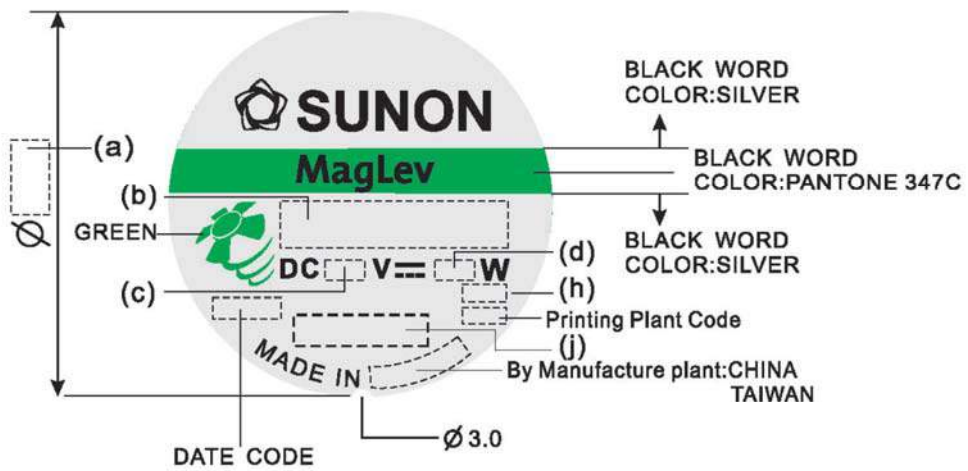
Inch-H₂O



DIMENSIONS



LABEL



(a) Dimension	(b) Model Name	(c) Voltage	(d) Power Consumption	(h) Protection	(j) Safety
38	MEC0384V1-000U-A99	48	9.7	EP	CE/TUV/UL+CUR

1. English font type: Swis721 Series & Switzerland Narrow, Chinese font type: 超研澤中明簡體.

2. Safety (CE/TUV/UL+CUR)



III. OTHER SPECIFIED TESTING

The following is a general description of certain tests that are performed on representative SUNON fans. Nothing in this document is intended to suggest that these tests are performed on every model of SUNON fan. Moreover, the descriptions that follow each test are meant only to provide a general explanation of each test. If you would like a more detailed explanation as to any test identified in this Section, SUNON can provide such an explanation upon request.

1. DROP PROOF TEST

Fans are packaged in a standard size shipping box and are dropped to the ground from certain heights and angles depending on the weight of the particular box.

2. HUMIDITY PROOF TEST

The fan is operated for 96 continuous hours in an environment with humidity of 90% to 95% RH at $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

3. VIBRATION PROOF TEST

Vibration with an amplitude 2mm and a frequency of 5-55-5hz is applied in all 3 directions (X,Y,Z), in cycles of 1 hour each, for a total vibration time of 3hours.

4. THERMAL CYCLING TEST

The fan is operated in a testing chamber for 50 cycles. In each cycle, the temperature is gradually increased from -10°C to 70°C for 90 minutes, and subsequently operated at 70°C for 120 minutes. The temperature is then gradually decreased from 70°C to -10°C for 90 minutes, and subsequently operated at -10°C for 120 minutes.

5. SHOCK PROOF TEST

100G of force is applied in the 3 directions (X,Y, and Z) for 2 milliseconds each.

6. LIFE EXPECTANCY

The “Life Expectancy” of SUNON fans is determined in SUNON’s reliability test laboratory by using temperature chambers. The “Life Expectancy” of this 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 this fan are only for reference.

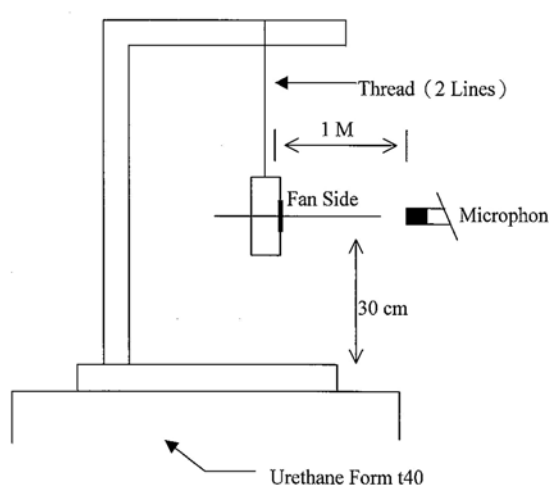


IV. CHARACTERISTIC DEFINITION

The following is a general description of certain tests that are performed on representative SUNON fans in order to determine the specifications of the fan. Nothing in this document is intended to suggest that these tests are performed on every model of SUNON fan. Moreover, the descriptions that follow each test are meant only to provide a general explanation of each test. If you would like a more detailed explanation as to any test identified in this Section, SUNON can provide such an explanation upon request.

1. ACOUSTICAL NOISE

Measured in a semi-anechoic chamber with background noise level below 15dB(A).



1 METER FROM MICROPHONE TO FAN INTAKE

The fan is running in free air under shaft horizontal condition with the microphone at distance of one meter from the fan intake.

2. INPUT POWER

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

3. RATED CURRENT

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

4. RATED SPEED

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

5. STARTING VOLTAGE

Measured the voltage which enables to start the fan in the clean air (static pressure = 0) by switching on at the voltage under shaft horizontal condition. It is not at continuously increasing voltage adjustment.

6. LOCKED ROTOR CURRENT

Measured immediately after the fan blade is locked.

7. AIR FLOW AND STATIC PRESSURE

The performance specification of air flow and static pressure shown in this specification for approval is measured using the exhaust method. A double chamber is used in accordance with AMCA 210 standard or DIN 24163 specification . The values are recorded when the fan speed has stabilized at rated voltage.

8. INSULATION RESISTANCE

1. PLASTIC HOUSING:

- (1) Measured between internal stator and lead wire(+).
- (2) Measured between housing and lead wire(+).

2. ALUMINIUM HOUSING:

Measured between internal stator and lead wire(+).

9. DIELECTRIC STRENGTH

Measure between housing and lead wire(+).



V. NOTE

I .SAFETY

1. DO NOT use or operate this fan in excess of the limitations set forth in this specification. SUNON is not responsible for the non-performance of this fan and/or any damages resulting from its use, if it is not used or operated in accordance with the specifications.
2. SUNON recommends adding a protection circuit to the product or application in which this fan is installed, such as a thermo-fuse, or current-fuse or thermo-protector. The failure to use such a device may result in smoke, fire, electric shock by insulation degradation in cases of motor lead short circuit, overload, or over voltage, and/or other failure.
3. SUNON recommends installing a protection device to the product or application in which this fan is installed if there is a possibility of reverse-connection between VDC (+) and GND (-). The failure to install such a device may result in smoke, fire, and/or destruction, although these conditions may not manifest immediately.
4. This fan must be installed and used in compliance with all applicable safety standards and regulations.
5. Use proper care when handling and/or installing this fan. Improper handling or installation of this fan may cause damage that could result in unsafe conditions.
6. Use proper care during installation and/or wiring. Failure to use proper care may cause damage to certain components of the fan including, but not limited to, the coil and lead wires, which could result in smoke and/or fire.
7. DO NOT use power or ground PWM to control the fan speed. If the fan speed needs to be adjusted, please contact SUNON to customize the product design for your application.
8. 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.



II. SPECIFICATION MODIFICATION

1. SUNON offers engineering assistance on fan installation and cooling system design.
2. All changes, modifications and/or revisions to the specifications, if any, are incorporated in the attached specifications.
3. No changes, modifications and/or revisions to these specifications are effective absent agreement, by both SUNON and the customer, in writing.
4. This fan will be shipped in accordance with the attached specification unless SUNON and the customer have agreed otherwise, in writing, as specified in Paragraph 3, above.

III. OTHER

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Use proper care when handling this fan. Components such as fan holders or bearings may be damaged, if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits of the fan.
3. DO NOT operate this fan in proximity to hazardous materials such as organic silicon, cyanogens, formalin, phenol, or corrosive gas environments including, but not limited to, H₂S, SO₂, NO₂, or Cl₂.
4. SUNON recommends that you protect this fan from exposure to outside elements such as dust, condensation, humidity or insects. Exposure of this fan to outside elements such as dust, condensation, humidity or insects may affect its performance and may cause safety hazards. SUNON does not warrant against damage to the product caused by outside elements.



5. This fan must be installed properly and securely. Improper mounting may cause harsh resonance, vibration, and noise.
6. Fan guards may prevent injury during handling or installation of the fan and are available for sale with this fan.
7. Unless otherwise noted, all testing of this fan is conducted at 25°C ambient temperature and sixty-five percent (65%) relative humidity.
8. DO NOT store this fan in an environment with high humidity. This fan must be stored in accordance with the attached specifications regarding storage temperature. If this fan is stored for more than 6 months, SUNON recommends functional testing before using.
9. SUNON reserves the right to use components from multiple sources at its discretion. The use of components from other sources will not affect the specifications as described herein.
10. The “Life Expectancy” of this 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 this fan are only for reference.

VI. WARRANTY

This fan is warranted against all defects which are proved to be fault in our workmanship and material for one year from the date of our delivery. The sole responsibility under the warranty shall be limited to the repair of the fan or the replacement thereof, at SUNON’s sole discretion. SUNON will not be responsible for the failures of its fans due to improper handing, misuse or the failure to follow specifications or instructions for use. In the event of warranty claim, the customer shall immediately notify SUNON for verification. SUNON will not be responsible for any consequential damage to the customer’s equipment as a result of any fans proven to be defective.



Declaration of RoHS

Control declaration of environment-related substances/materials

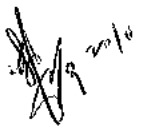

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, SUNON product have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria	
1	CFCs & HCFCs (ozone depleting substances)	Forbidden	
2	Chlorinated Organic Solvent	Forbidden	
3	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)	<100ppm
		Solder	<1000ppm
		Steel alloy	<3500ppm
		Aluminium alloy	<4000ppm
		Copper alloy	<4wt%
4	Cadmium and its compounds	Solder	<20ppm
		Parts composed of metals containing zinc (e.g. brass, zinc for die casting)	<100ppm
		Plastic	<5ppm
5	PBBs and PBDEs	Forbidden	
6	PCB and PCT	Forbidden	
7	CP, Short-chain Chlorinated paraffins C10-13, Cl \geq 48 wt%	Forbidden	
8	Mirex	Forbidden	
9	PCN	Forbidden	
10	Hexavalent Chromium compounds	<100ppm	
11	Mercury and its compounds	Forbidden	
12	Asbestos	Forbidden	
13	Organic Tin compounds	Forbidden	
14	Azo compounds	Forbidden	
15	TBBP-A in external case plastic parts of products (PCB is exempted)	<1000ppm	
16	Nickel in external case parts, which are likely to result in prolonged skin exposure	<1000ppm	
17	Hexabromocyclododecane (HBCDD)	<1000ppm	
18	Di-butyl Phthalate (DBP)	<1000ppm	
19	Benzyl butyl Phthalate (BBP)	<1000ppm	
20	Di-ethylhexyl Phthalate (DEHP)	<1000ppm	
21	Di-isobutyl Phthalate (DIBP)	<1000ppm	

SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : DC BRUSHLESS FAN
DIMENSIONS : 120X120X38 mm
M O D E L : EEC0384B1-000U-A99
SUNON SPEC. NO. : D12017420G-00
CUSTOMER APPROVAL NO. :
APPROVED BY CUSTOMER :
 (AUTHORIZED)

DRAWN	Apple 1/21	CHECKED	 1/21/10 2010/2/10	APPROVED		SPEC.NO	D12017420G-00
						ISSUE DATE	01.21.2010
						EDITION	0
						REVISION DATE	
						E.SPEC	E10700038

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

NO. 30, LN. 296, XINYA RD., QIANZHEN DIST.,

TEL:886-7-8135888

KAOHSIUNG CITY 80673, TAIWAN (R.O.C)

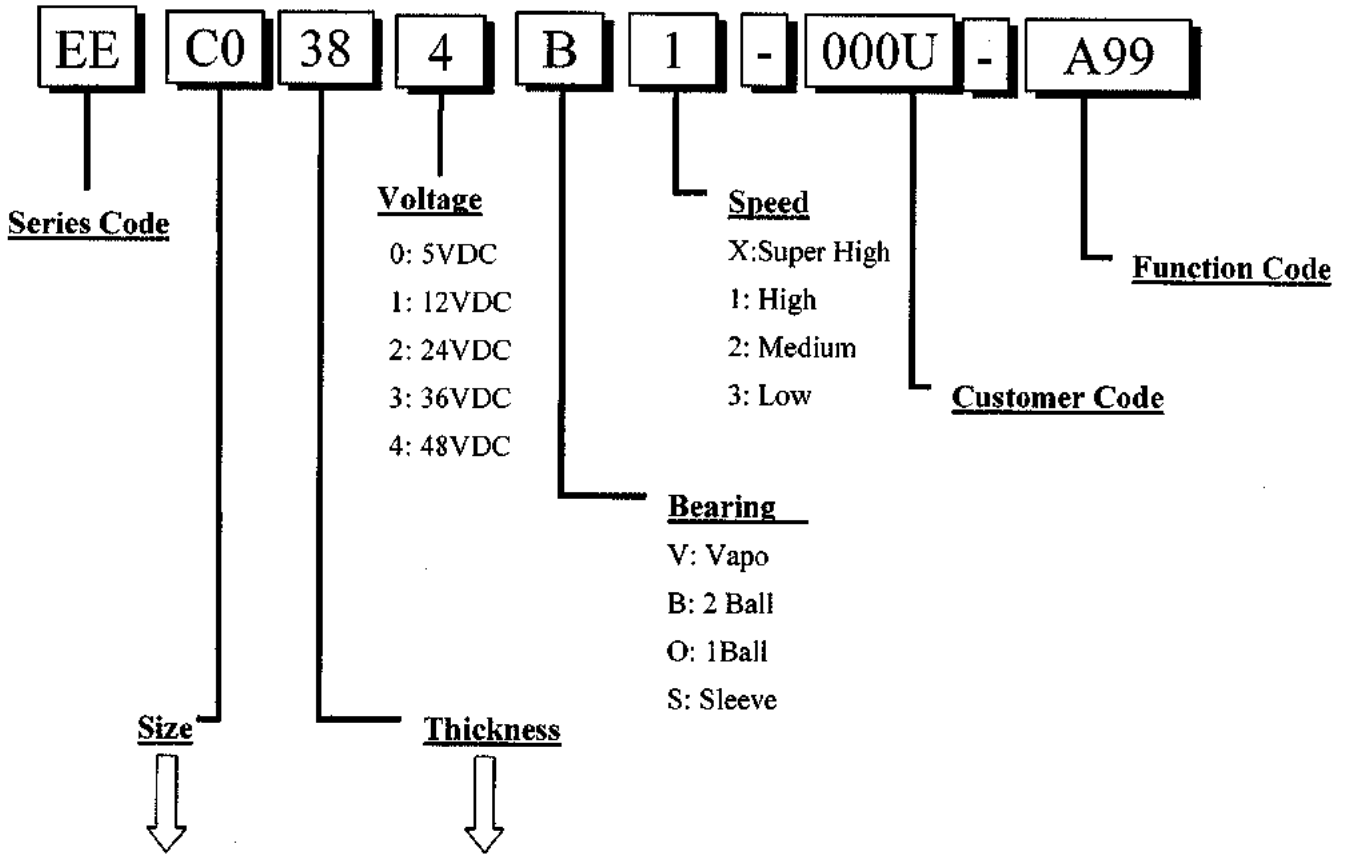
FAX:886-7-8230505/8230606/8231010

URL:<http://www.sunon.com>

E-mail: sunon@email.sunon.com.tw



I. MODEL NUMBERING SYSTEM



編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)
01~09	1~9	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	250~259	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	260~269		
60~69	60~69	G0~G9	160~169	R0~R9	270~279		
70~79	70~79	H0~H9	170~179	S0~S9	280~289		
80~89	80~89	I0~I9	180~189	T0~T9	290~299		
90~99	90~99	J0~J9	190~199	U0~U9	290~299		

II. SPECIFICATION

1. MECHANICAL CHARACTERISTIC

MOTOR DESIGN	2 phases, 4-poles Brushless DC motor
BEARING SYSTEM	Precision ball bearing system
DIMENSIONS	See Page 6
MATERIALS OF FRAME	Thermoplastic PBT of UL 94V-0
MATERIALS OF FAN BLADE	Thermoplastic PBT of UL 94V-0
DIRECTION OF ROTATION	Counter-clockwise viewed from front of fan blade
MOUNTING HOLES	Diameter 4.3 mm in 8 holes
WEIGHT	214 g

2. ELECTRIC CHARACTERISTIC

RATED VOLTAGE	48 VDC
RATED CURRENT	203 mA / Max. 233 mA
RATED POWER CONSUMPTION	9.7 WATTS / Max. 11.21 WATTS
OPERATING VOLTAGE RANGE	24~56 VDC
STARTING VOLTAGE	24 VDC (25 deg. C POWER ON/OFF)
OPERATING TEMPERATURE RANGE	-10 to + 70 deg. C
STORAGE TEMPERATURE RANGE	-40 to + 70 deg. C

3. PERFORMANCE CHARACTERISTIC

RATED SPEED	3100 RPM \pm 10% at rated voltage
AIR FLOW	138 CFM
STATIC PRESSURE	0.36 Inch-H ₂ O
ACOUSTIC NOISE	48 dB(A)
AIR FLOW V.S. PRESSURE	See Page 5
INSULATION CLASS	UL Class A
INSULATION RESISTANCE PLASTIC HOUSING	10M ohm at 500 VDC between internal stator and lead wire (+)
DIELECTRIC STRENGTH	Applied AC 500 V for one minute or AC 600 V for 2 Seconds between housing and lead wire (+)
LIFE EXPECTANCY	70,000 hours at 40 deg. C , 65% humidity , 90%CL.
PROTECTION	<input checked="" type="checkbox"/> Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.
	<input checked="" type="checkbox"/> Polarity Protection

4. SAFETY

SAFETY	UL	CUR	TUV
NO.	E77551	E77551	✓

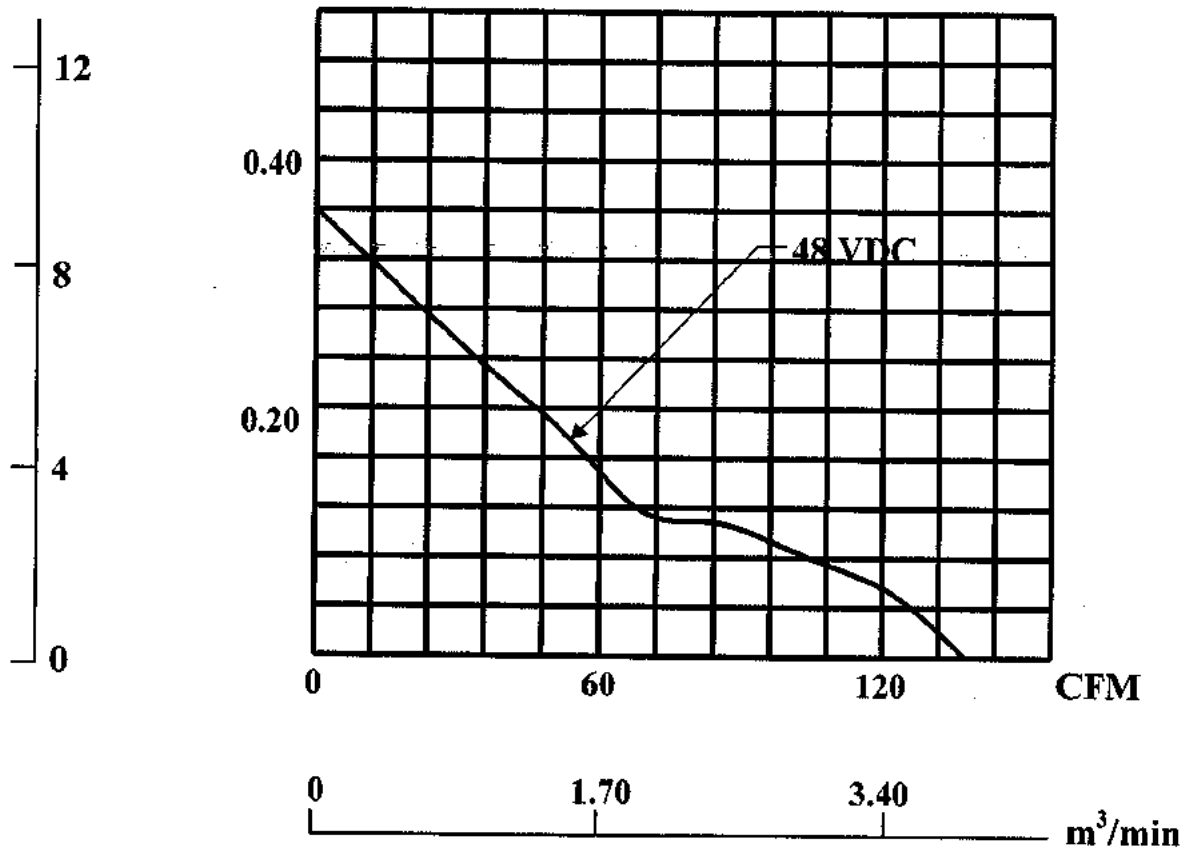
MODEL : EEC0384B1-000U-A99

PERFORMANCE CURVES

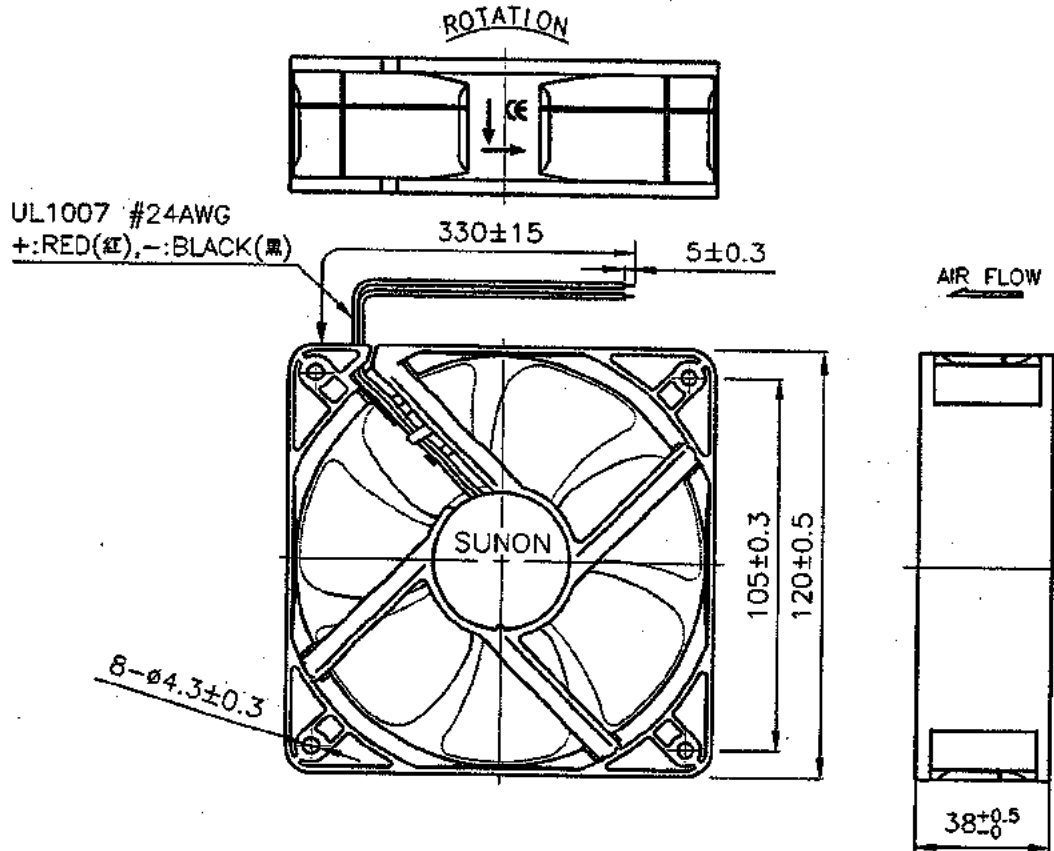
STATIC
PRESSURE

mm-H₂O

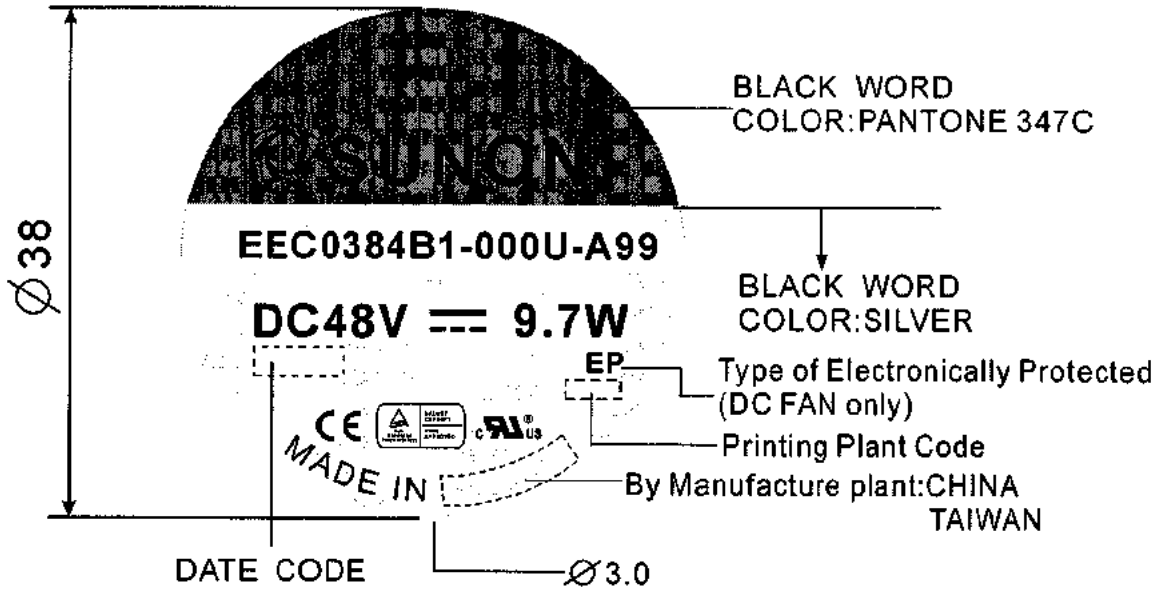
Inch-H₂O



DIMENSIONS



LABEL



III. OTHER SPECIFIED TESTING

The following is a general description of certain tests that are performed on representative Sunon fans. Nothing in this document is intended to suggest that these tests are performed on every model of Sunon fan. Moreover, the descriptions that follow each test are meant only to provide a general explanation of each test. If you would like a more detailed explanation as to any test identified in this Section, Sunon can provide such an explanation upon request.

1. DROP PROOF TEST

Fans are packaged in a standard size shipping box and are dropped to the ground from certain heights and angles depending on the weight of the particular box.

2. HUMIDITY PROOF TEST

The fan is operated for 96 continuous hours in an environment with humidity of 90% to 95% RH at $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

3. VIBRATION PROOF TEST

Vibration with an amplitude 2mm and a frequency of 5-55-5hz is applied in all 3 directions (X,Y,Z), in cycles of 1 hour each, for a total vibration time of 3hours.

4. THERMAL CYCLING TEST

The fan is operated in a testing chamber for 50 cycles. In each cycle, the temperature is gradually increased from -10°C to 70°C for 90 minutes, and subsequently operated at 70°C for 120 minutes. The temperature is then gradually decreased from 70°C to -10°C for 90 minutes, and subsequently operated at -10°C for 120 minutes.

5. SHOCK PROOF TEST

100G of force is applied in the 3 directions (X,Y, and Z) for 2 milliseconds each.

6. LIFE EXPECTANCY

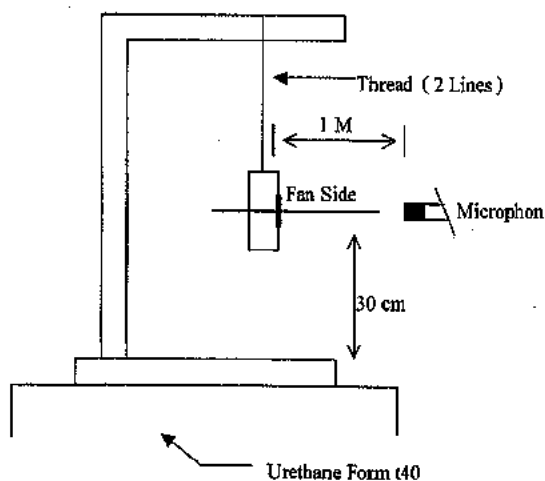
The "Life Expectancy" of SUNON fans is determined in SUNON's reliability test laboratory by using temperature chambers. The "Life Expectancy" of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports (L10 and MTTF Report) that relate to this fan are only for reference.

IV. CHARACTERISTIC DEFINITION

The following is a general description of certain tests that are performed on representative Sunon fans in order to determine the specifications of the fan. Nothing in this document is intended to suggest that these tests are performed on every model of Sunon fan. Moreover, the descriptions that follow each test are meant only to provide a general explanation of each test. If you would like a more detailed explanation as to any test identified in this Section, Sunon can provide such an explanation upon request.

1. ACOUSTICAL NOISE

Measured in a semi-anechoic chamber with background noise level below 15dB(A).



1 METER FROM MICROPHONE TO FAN INTAKE

The fan is running in free air under shaft horizontal condition with the microphone at distance of one meter from the fan intake.

2. INPUT POWER

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

3. RATED CURRENT

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

4. RATED SPEED

Measured after continuous 10 minute operation at rated voltage in clean air (STATIC PRESSURE=0), and at ambient temperature of 25 degrees C under shaft horizontal condition.

5. STARTING VOLTAGE

Measured the voltage which enables to start the fan in the clean air (static pressure = 0) by switching on at the voltage under shaft horizontal condition. It is not at continuously increasing voltage adjustment.

6. LOCKED ROTOR CURRENT

Measured immediately after the fan blade is locked.

7. AIR FLOW AND STATIC PRESSURE

The performance specification of air flow and static pressure shown in this specification for approval is measured using the exhaust method. A double chamber is used in accordance with AMCA 210 standard or DIN 24163 specification . The values are recorded when the fan speed has stabilized at rated voltage.

8. INSULATION RESISTANCE

1. PLASTIC HOUSING:

- (1) Measured between internal stator and lead wire(+).
- (2) Measured between housing and lead wire(+).

2. ALUMINIUM HOUSING:

Measured between internal stator and lead wire(+).

9. DIELECTRIC STRENGTH

Measure between housing and lead wire(+).

V. NOTE

I .SAFETY

1. DO NOT use or operate this fan in excess of the limitations set forth in this specification. SUNON is not be responsible for the non-performance of this fan and/or any damages resulting from its use, if it is not used or operated in accordance with the specifications.
2. SUNON recommends adding a protection circuit to the product or application in which this fan is installed, such as a thermo-fuse, or current-fuse or thermo-protector. The failure to use such a device may result in smoke, fire, electric shock by insulation degradation in cases of motor lead short circuit, overload, or over voltage, and/or other failure.
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4. This fan must be installed and used in compliance with all applicable safety standards and regulations.
5. Use proper care when handling and/or installing this fan. Improper handling or installation of this fan may cause damage that could result in unsafe conditions.
6. Use proper care during installation and/or wiring. Failure to use proper care may cause damage to certain components of the fan including, but not limited to, the coil and lead wires, which could result in smoke and/or fire.
7. DO NOT use power or ground PWM to control the fan speed. If the fan speed needs to be adjusted, please contact Sunon to customize the product design for your application.
8. 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.

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III. OTHER

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Use proper care when handling this fan. Components such as fan holders or bearings may be damaged, if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits of the fan.
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4. SUNON recommends that you protect this fan from exposure to outside elements such as dust, condensation, humidity or insects. Exposure of this fan to outside elements such as dust, condensation, humidity or insects may affect its performance and may cause safety hazards. SUNON does not warrant against damage to the product caused by outside elements.
5. This fan must be installed properly and securely. Improper mounting may cause harsh resonance, vibration, and noise.



6. Fan guards may prevent injury during handling or installation of the fan and are available for sale with this fan.
7. Unless otherwise noted, all testing of this fan is conducted at 25°C ambient temperature and sixty-five percent (65%) relative humidity.
8. DO NOT store this fan in an environment with high humidity. This fan must be stored in accordance with the attached specifications regarding storage temperature. If this fan is stored for more than 6 months, SUNON recommends functional testing before using.
9. SUNON reserves the right to use components from multiple sources at its discretion. The use of components from other sources will not affect the specifications as described herein.
10. The “Life Expectancy” of this 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 this fan are only for reference.

VI. WARRANTY

This fan is warranted against all defects which are proved to be fault in our workmanship and material for one year from the date of our delivery. The sole responsibility under the warranty shall be limited to the repair of the fan or the replacement thereof, at SUNON’s sole discretion. SUNON will not be responsible for the failures of its fans due to improper handling, misuse or the failure to follow specifications or instructions for use. In the event of warranty claim, the customer shall immediately notify SUNON for verification. SUNON will not be responsible for any consequential damage to the customer’s equipment as a result of any fans proven to be defective.

Declaration of RoHS

Control declaration of environment-related substances/materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No.	Substance	Criteria
1	CFCs & HCFCs (ozone depleting substances)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)
		Solder
		Steel alloy
		Aluminium alloy
		Copper alloy
4	Cadmium and its compounds	Solder
		Parts composed of metals containing zinc (e.g. brass, zinc for die casting)
		Plastic
5	PBBs and PBDEs	Forbidden
6	PCB and PCT	Forbidden
7	CP, Short-chain Chlorinated paraffins C10-13, Cl ≥48 wt%	Forbidden
8	Mirex	Forbidden
9	PCN	Forbidden
10	Hexavalent Chromium compounds	<100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin compounds	Forbidden
14	Azo compounds	Forbidden
15	TBBP-A in external case plastic parts of products (PCB is exempted)	<1000ppm
16	Nickel in external case parts, which are likely to result in prolonged skin exposure	<1000ppm

Вентилятор 48v, 48в, 48vdc

Минск www.fotorele.net www.tiristor.by радиодетали, электронные компоненты

email minsk17@tut.by tel.mob +375 44 758 47 80 velcom +375 29 758 47 80 МТС

каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, даташит,

Вентиляторы, Осевые, серии, Comair, rotron, miffin

ВЕНТИЛЯТОРЫ Беларусь Минск www.fotorele.net www.tiristor.by email minsk17@tut.by
 тел. +375447584780

Вентиляторы SUNON Jamicon QwikFlow Comair rotron Ebmpapst MVL ERM PAPST SANYO DENKI San Ace
 Multicomp NMB-MAT BI-Sonic Micronel Отечественные: ВНЗ ВВФ-112

Comair Rotron каталог часть 1 часть 2 -10Gb	SANYO DENKI San Ace	Вентиляторы multicomp page 1 2	Вентиляторы NMB-MAT page 1 2	Вентиляторы BI-Sonic page 1 2	Вентиляторы micronel page 1 2
Каталог ~200b: COMAIR ROTRON	Каталог San Ace DC Вентиляторы AC Вентиляторы	Multicomp	NMB-MAT	BI-Sonic	Micronel

QR код

осевые вентиляторы

15x15x04, 15x15x06, 20x20x06, 20x20x10, 25x25x06, 25x25x10, 25x25x15, 30x30x06, 30x30x10, 30x30x15, 35x35x06, 35x35x10, 38x38x28, 40x40x06, 40x40x10, 40x40x15, 40x40x20, 40x40x28, 40x40x56, 45x45x06, 45x45x10, 50x50x10, 50x50x15, 50x50x20, 60x60x10, 60x60x15, 60x60x20, 60x60x25, 60x60x38, 60x60x76, 70x70x15, 70x70x20, 70x70x25, 80x80x15, 80x80x20, 80x80x25, 80x80x32, 80x80x38, 80x80x76, 92x92x20, 92x92x32, 92x92x25, 92x92x38, 105x105x38, 113x113x36, 120x120x25, 120x120x32, 120x120x38, 127x127x38, 135x135x25, 140x140x38, 140x140x51, 172x150x51, AC-fan, Радильные-Blowers, Влагостойкие, 80x80x25, AC, 80x80x38 AC

92x92x25 AC	92*92*25 AC
120x120x25 AC	120*120*25 AC
120x120x38 AC	120*120*38 AC
172x150x38 AC	172*150*38 AC
172x150x51 AC	172*150*51 AC
172x150x55 AC	172*150*55 AC
254x254x89 AC	254*254*89 AC
25x25x10 DC	25*25*10 DC
30x30x6 DC	30*30*6 DC
30x30x10 DC	30*30*10 DC
40x40x7 DC	40*40*7 DC
40x40x10 DC	40*40*10 DC
50x50x15 DC	50*50*15 DC
60x60x15 DC	60*60*15 DC
60x60x20 DC	60*60*20 DC
60x60x25 DC	60*60*25 DC
70x70x25 DC	70*70*25 DC
80x80x15 DC	80*80*15 DC
80x80x25 DC	80*80*25 DC
80*80*25 AC	
80*80*38 AC	