DC Fan

□80mm

San Ace 80

General specifications

Material ·····Frame, Impeller:Plastics
Life Expectancy ·····Varies for each model (Survival rate: 90% at 60℃, rated voltage,and continuously run in a free air state)
Motor Protection System ····Current blocking function (with reverse polarity protection)
Dielectric Strength ·····50/60 Hz, 500VAC, 1 minute (between lead conductor and frame)
Noise Measurement Method ··Measured at 1m from the air inlet
Operating Temprature Range ····Varies for each model (Non-condensing)
Lead Wire ·····K, G, A, S, H, F ,W speeds ⊕red,⊖black
M, L speeds ⊕red,⊖black or blue
Mass ·····68g (15mm thick) 100g (20mm thick)
110g (25mm thick) 150g (32mm thick)

15mm thick

Specifications

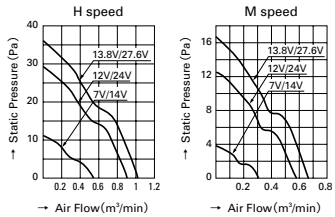
Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min⁻¹)	Air Flow (m³/min)	Air Flow (CFM)	Static Pressure (Pa)	Static Pressure (inchH₂O)	Noise (dB [A])	Operating Temperature Range (℃)	Life Expectancy (h)
109P0812H702	12	7～13.8	0.2	2.4	3,100	0.91	32.1	29.4	0.118	31	−10 ～+70	40,000
109P0812M702			0.09	1.08	2,000	0.57	20.1	12.6	0.051	21		60,000
109P0824H702	24	14～27.6	0.1	2.4	3,100	0.91	32.1	29.4	0.118	31		40,000
109P0824M702			0.05	1.2	2,000	0.57	20.1	12.6	0.051	21		60,000

20mm thick

Specifications

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min⁻¹)	Air Flow (m³/min)	Air Flow (CFM)	Static Pressure (Pa)	Static Pressure (inchH₂O)	Noise (dB [A])	Operating Temperature Range (℃)	Life Expectancy (h)
109P0812H602	12	10.2～13.8	0.21	2.52	2,900	0.84	29.7	29.4	0.118	31	−10 ～+70	60,000
109P0812M602			0.13	1.56	2,300	0.67	23.7	18.6	0.075	25		
109P0824H602	24	20.4～27.6	0.12	2.88	2,900	0.84	29.7	29.4	0.118	31		
109P0824M602			0.07	1.68	2,300	0.67	23.7	18.6	0.075	25		

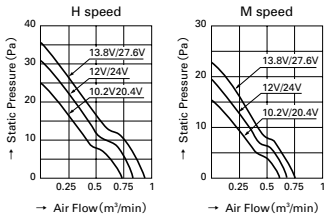
Air Flow and Static Pressure Characteristics (15mm thick)



109P0812H702
109P0824H702

109P0812M702
109P0824M702

Air Flow and Static Pressure Characteristics (20mm thick)



109P0812H602
109P0824H602

109P0812M602
109P0824M602

25mm thick

Specifications

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min⁻¹)	Air Flow (m³/min)	Air Flow (CFM)	Static Pressure (Pa)	Static Pressure (inchH₂O)	Noise (dB [A])	Operating Temperature Range (℃)	Life Expectancy (h)
109R0805F402(4021)	5	4.5～ 5.5	0.25	1.25	2,600	0.92	32.5	28.4	0.114	26	−10 ～+70	60,000
109R0805M402(4021)			0.17	0.85	2,350	0.83	29.3	22.5	0.090	23		
109R0812G402(4021)	12	10.8～13.2	0.37	4.44	4,500	1.50	53.0	80.4	0.323	40	−10 ～+60	40,000
109R0812S402(4021)		6 ～13.8	0.18	2.16	3,400	1.20	42.4	48.0	0.193	34	−10 ～+70	60,000
109R0812H402(4021)			0.13	1.56	2,900	1.03	36.4	35.3	0.142	29		
109R0812F402(4021)			0.11	1.32	2,600	0.92	32.5	28.4	0.114	26		
109R0812M402(4021)			0.09	1.08	2,350	0.83	29.3	22.5	0.090	23		
109R0812L402(4021)		7 ～13.8	0.06	0.72	1,850	0.65	23.0	14.7	0.059	20		
109R0824G402(4021)	24	20.4～26.4	0.20	4.80	4,500	1.50	53.0	80.4	0.323	40	−10 ～+60	40,000
109R0824S402(4021)		12 ～27.6	0.10	2.40	3,400	1.20	42.4	48.0	0.193	34	−10 ～+70	60,000
109R0824H402(4021)			0.07	1.68	2,900	1.03	36.4	35.3	0.142	29		
109R0824F402(4021)			0.06	1.44	2,600	0.92	32.5	28.4	0.114	26		
109R0824M402(4021)			0.05	1.20	2,350	0.83	29.3	22.5	0.090	23		
109R0824L402(4021)		14 ～27.6	0.04	0.96	1,850	0.65	23.0	14.7	0.059	20		
109R0848K402(4021)	48	40.8～55.2	0.10	4.80	4,600	1.56	55.1	88.4	0.355	41	−10 ～+60	40,000
109R0848S402(4021)			0.06	2.88	3,400	1.20	42.4	48.0	0.193	34		

The numbers in ( ) represent ribless models.

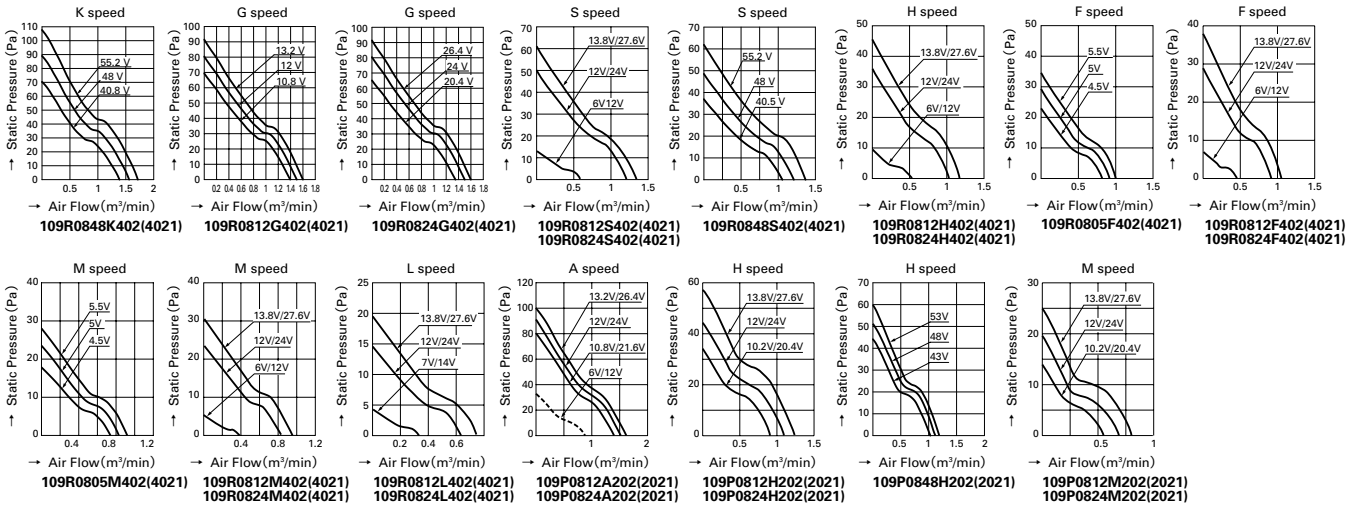
32mm thick

Specifications

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min⁻¹)	Air Flow (m³/min)	Air Flow (CFM)	Static Pressure (Pa)	Static Pressure (inchH₂O)	Noise (dB [A])	Operating Temperature Range (℃)	Life Expectancy (h)
109P0812A202(2021)	12	6 ～13.2	0.56	6.72	4,600	1.52	53.7	91.1	0.366	45	−10 ～+55	40,000(+55℃)
109P0812H202(2021)		10.2～13.8	0.16	1.92	3,150	1.05	37.1	43.1	0.173	33	−10 ～+70	40,000
109P0812M202(2021)			0.07	0.84	2,000	0.65	23.0	18.5	0.074	21		60,000
109P0824A202(2021)	24	12 ～26.4	0.29	6.96	4,600	1.52	53.7	91.1	0.366	45	−10 ～+60	40,000
109P0824H202(2021)		20.4～27.6	0.09	2.16	3,150	1.05	37.1	43.1	0.173	33		
109P0824M202(2021)			0.04	0.96	2,000	0.65	23.0	18.6	0.075	21	−10 ～+70	60,000
109P0848H202(2021)	48	43 ～53	0.06	2.88	3,350	1.10	38.9	50.9	0.204	35		40,000

The numbers in ( ) represent ribless models.

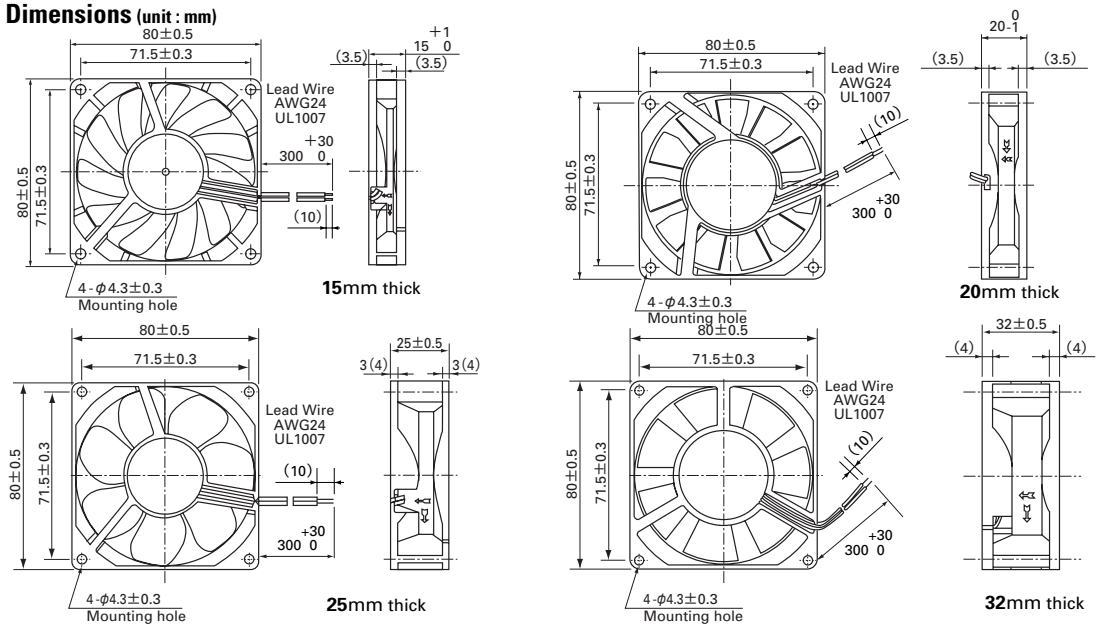
Air Flow and Static Pressure Characteristics（25mm thick・32mm thick）



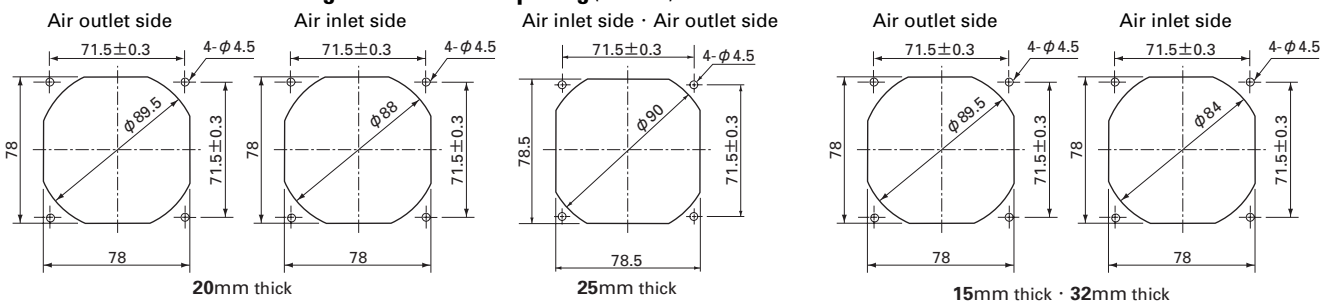
109R0848K402(4021) **109R0812G402(4021)** **109R0824G402(4021)** **109R0812S402(4021)** **109R0824S402(4021)** **109R0848S402(4021)** **109R0812H402(4021)** **109R0824H402(4021)** **109R0805F402(4021)** **109R0812F402(4021)** **109R0824F402(4021)**

109R0805M402(4021) **109R0812M402(4021)** **109R0824M402(4021)** **109R0812L402(4021)** **109R0824L402(4021)** **109P0812A202(2021)** **109P0824A202(2021)** **109P0812H202(2021)** **109P0824H202(2021)** **109P0848H202(2021)** **109P0812M202(2021)** **109P0824M202(2021)**

Dimensions (unit : mm)



Reference dimension of mounting holes and vent opening (unit : mm)



20mm thick　**25**mm thick　**15**mm thick・**32**mm thick

DC Fan

□80mm

San Ace 80

"San Ace 80" G Type

ECO PRODUCTS

General specifications

Material ·····Frame, Impeller:Plastics
Life Expectancy ·····Varies for each model (Survival rate: 90% at 60℃, rated voltage,and continuously run in a free air state)
Motor Protection System ····Current blocking function (with reverse polarity protection)
Dielectric Strength ·····50/60 Hz, 500VAC, 1 minute (between lead conductor and frame)
Noise Measurement Method ··Measured at 1m from the air inlet
Operating Temprature Range ····Varies for each model (Non-condensing)
Lead Wire ·····⊕red, ⊖black
Mass ·····170g

38mm thick

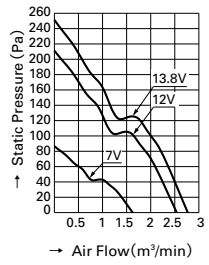
Specifications

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min⁻¹)	Air Flow (m³/min)	Air Flow (CFM)	Static Pressure (Pa)	Static Pressure (inchH₂O)	Noise (dB [A])	Operating Temperature Range (℃)	Life Expectancy (h)
9G0812G102(1021)	12	7 ～ 13.8	1.1	13.2	6,300	2.55	90	211	0.847	51	−10 ～+70	40,000
9G0812H102(1021)			0.9	10.8	5,700	2.28	80	171	0.687	49		
9G0824G102(1021)	24	20.4～27.6	0.56	13.4	6,300	2.55	90	211	0.847	51		
9G0824H102(1021)			0.42	10.1	5,700	2.28	80	171	0.687	49		
9G0848G102(1021)	48	40.8～55.2	0.27	13.0	6,300	2.55	90	211	0.847	51		
9G0848H102(1021)			0.20	9.6	5,700	2.28	80	171	0.687	49		

The numbers in ( ) represent ribless models.

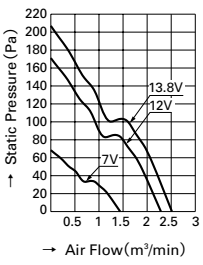
Air Flow and Static Pressure Characteristics

G speed



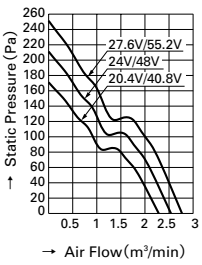
9G0812G102(1021)

H speed



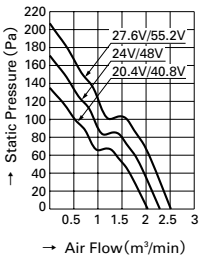
9G0812H102(1021)

G speed



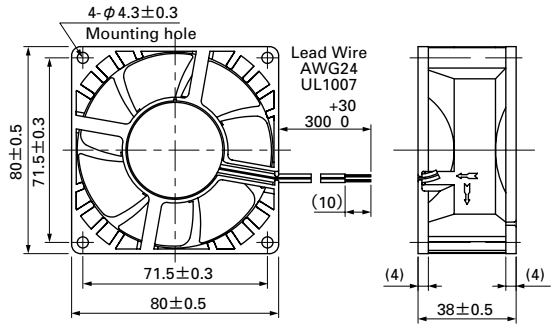
9G0824G102(1021)
9G0848G102(1021)

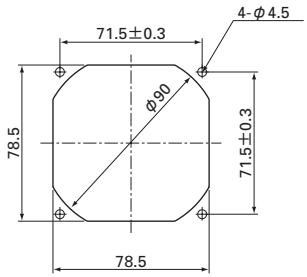
H speed



9G0824H102(1021)
9G0848H102(1021)

Dimensions (unit : mm)



Reference dimension of mounting holes and vent opening (unit : mm)

Air inlet side・Air outlet side