

DC Fan Motors

SAN ACE

80mm
PETIT ACE

Silent (R type), high rotating speed

General specifications

Motor protection system ····Current cut system 15,20,25 mm thick
(with reverse-connection protection)
PTC protection system (32mm thick)
Dielectric strength ······50/60 Hz, 500 VAC, 1 minute
(between lead conductor and frame)
Operating thermally range -10°C to +60°C (non-condensing)
Fan power lead ········G, A, S, H, F, W speeds, ⊕ red, ⊖ black
M speed, ⊕ red, ⊖ blue



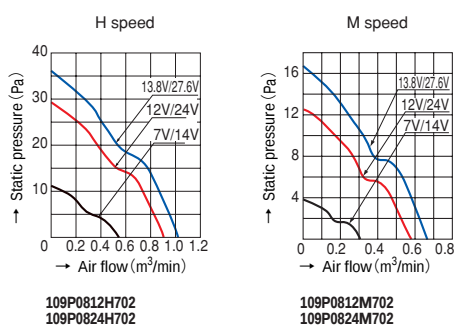
15mm thick Specifications

Model No	Rated voltage (V)	Operating voltage range (V)	Rated current (A)	Rated input (W)	Rated rotating speed (min ⁻¹)	Air flow (m ³ /min)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
109P0812H702	12	7~13.8	0.2	2.4	3,100	0.91	32.1	29.4	68
109P0812M702			0.09	1.08	2,000	0.57	20.1	12.6	
109P0824H702	24	14~27.6	0.1	2.4	3,100	0.91	32.1	29.4	
109P0824M702			0.05	1.2	2,000	0.57	20.1	12.6	

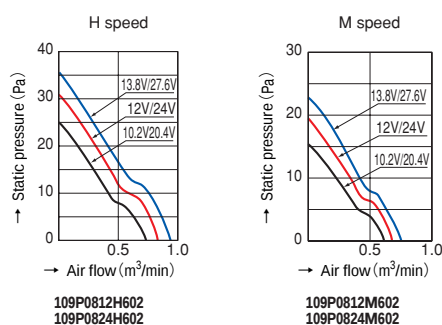
20mm thick Specifications

Model No	Rated voltage (V)	Operating voltage range (V)	Rated current (A)	Rated input (W)	Rated rotating speed (min ⁻¹)	Air flow (m ³ /min)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
109P0812H602	12	10.2~13.8	0.21	2.52	2,900	0.84	29.7	29.4	100
109P0812M602			0.13	1.56	2,300	0.67	23.7	18.6	
109P0824H602	24	20.4~27.6	0.12	2.88	2,900	0.84	29.7	29.4	
109P0824M602			0.07	1.68	2,300	0.67	23.7	18.6	

Typical air flow and static pressure characteristics (15mm thick)



Typical air flow and static pressure characteristics (20mm thick)



25mm thick Specifications

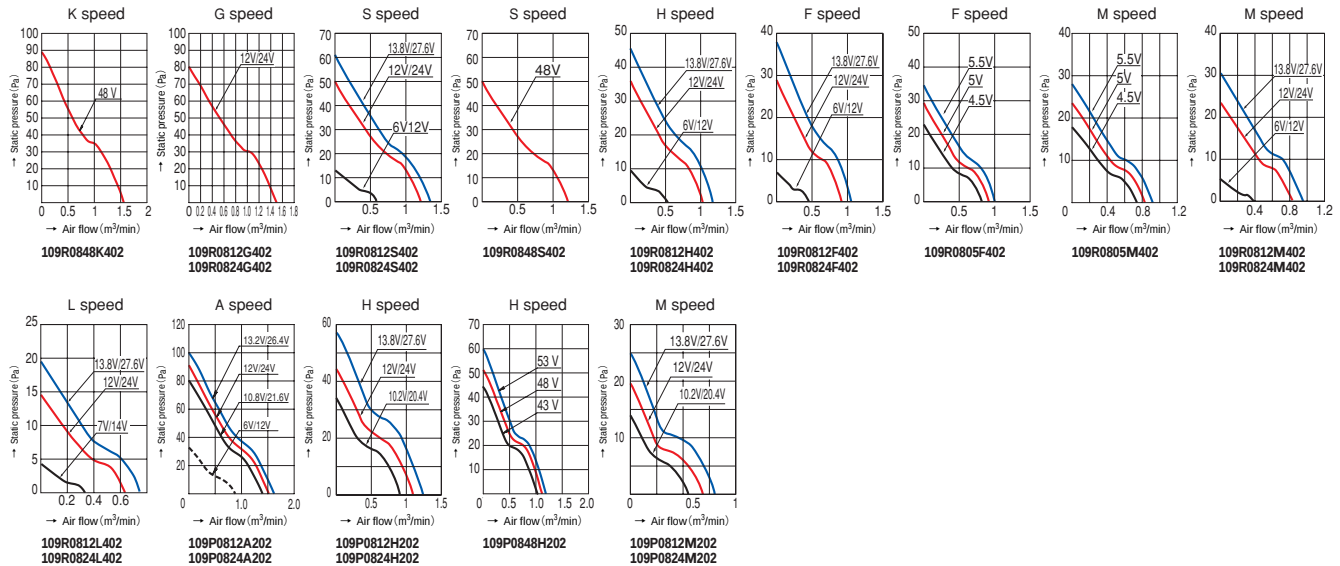
Model No	Rated voltage (V)	Operating voltage range (V)	Rated current (A)	Rated input (W)	Rated rotating speed (min ⁻¹)	Air flow (m ³ /min)	Static pressure (CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
<u>109R0805F402(4021)</u>	5	4.5~5.5	0.25	1.25	2,600	0.92	32.5	28.4	26	150
<u>109R0805M402(4021)</u>			0.17	0.85	2,350	0.83	29.3	22.5	23	
<u>109R0812G402(4021)</u>	12	10.8~13.2	0.37	4.44	4,500	1.50	53.0	80.4	40	
<u>109R0812S402(4021)</u>			0.18	2.16	3,400	1.20	42.4	48.0	34	
<u>109R0812H402(4021)</u>	6~13.8	0.13	1.56	2,900	1.03	36.4	35.3	29		
<u>109R0812F402(4021)</u>			0.11	1.32	2,600	0.92	32.5	28.4	26	
<u>109R0812M402(4021)</u>	7~13.8	0.09	1.08	2,350	0.83	29.3	22.5	23		
<u>109R0812L402(4021)</u>			0.06	0.72	1,850	0.65	23.0	14.7	20	
<u>109R0824G402(4021)</u>	24	20.4~26.4	0.20	4.80	4,500	1.50	53.0	80.4	40	
<u>109R0824S402(4021)</u>			0.10	2.40	3,400	1.20	42.4	48.0	34	
<u>109R0824H402(4021)</u>	12~27.6	0.07	1.68	2,900	1.03	36.4	35.3	29		
<u>109R0824F402(4021)</u>			0.06	1.44	2,600	0.92	32.5	28.4	26	
<u>109R0824M402(4021)</u>	14~27.6	0.05	1.20	2,350	0.83	29.3	22.5	23		
<u>109R0824L402(4021)</u>			0.04	0.96	1,850	0.65	23.0	14.7	20	
<u>109R0848K402(4021)</u>	48	40.8~55.2	0.10	4.80	4,600	1.56	55.1	88.4	41	
<u>109R0848S402(4021)</u>			0.06	2.88	3,400	1.20	42.4	48.0	34	

The numbers in () represent ribless models.

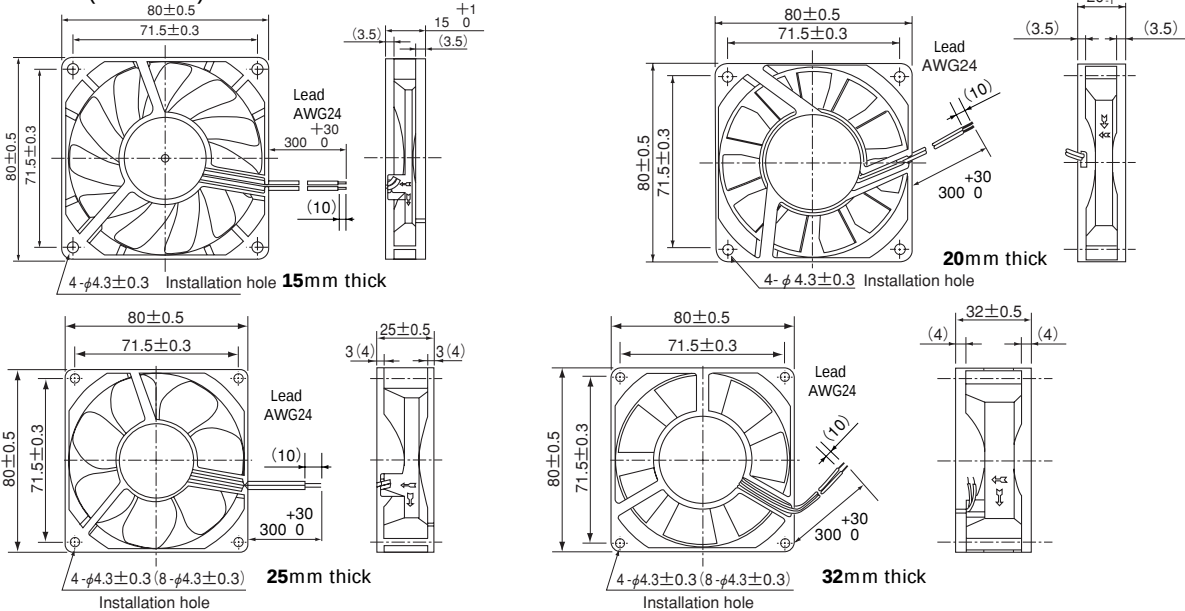
32mm thick Specifications

Model No	Rated voltage (V)	Operating voltage range (V)	Rated current (A)	Rated input (W)	Rated rotating speed (min ⁻¹)	Air flow (m ³ /min) (CFM)	Static pressure (Pa)	Noise (dB(A))	Mass (g)
109P0812A202	12	6~13.2	0.56	6.72	4,600	1.52	53.7	91.1	45
109P0812H202		10.2~13.8	0.16	1.92	3,150	1.05	43.1	43.1	33
109P0812M202			0.07	0.84	2,000	0.65	18.6	18.6	21
109P0824A202	24	12~26.4	0.29	6.96	4,600	1.52	53.7	91.1	45
109P0824H202			0.09	2.16	3,150	1.05	43.1	43.1	33
109P0824M202		20.4~27.6	0.04	0.96	2,000	0.65	18.6	18.6	21
109P0848H202	48	43~53	0.06	2.88	3,350	1.10	38.9	50.9	35

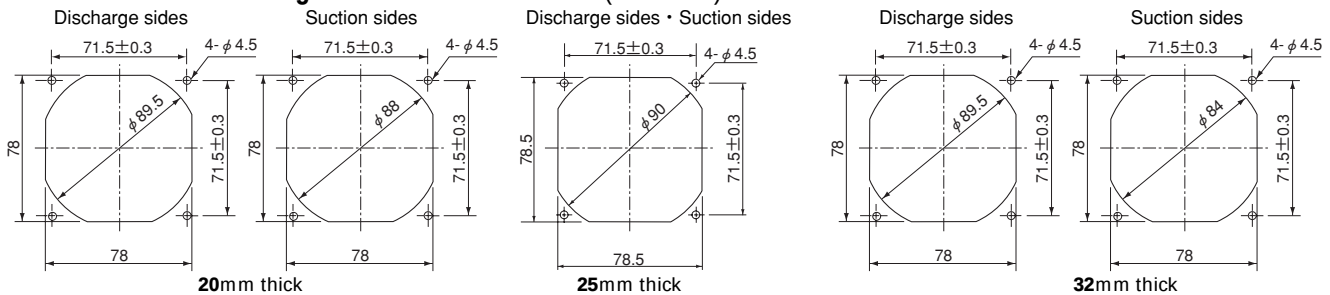
Typical air flow and static pressure characteristics (25mm, 32mm thick)



Dimensions (unit : mm)



Reference dimensional diagram for installation holes (unit : mm)



SANYO DENKI