

Finger guards List

Increases safety by preventing foreign objects from entering fans. Fans can be used with little effect on airflow and static pressure.

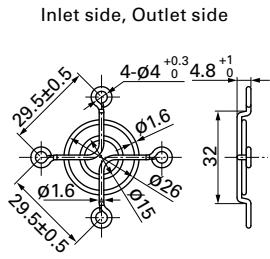
Size	Model no.	Mounting side	Surface treatment	
			Nickel-chrome plating (silver)	Cation electropainting (black)
36 mm sq. type	109-1050	Inlet side, Outlet side	✓	–
38 mm sq. type	109-1065	Inlet side, Outlet side	✓	–
40 mm sq. type	109-059	Inlet side, Outlet side	✓	–
	109-059H		–	✓
52 mm sq. type	109-1156	Inlet side, Outlet side	✓	–
60 mm sq. type	109-139E	Inlet side, Outlet side	✓	–
	109-139H		–	✓
70 mm sq. type, \varnothing70 mm type	109-1128	Inlet side, Outlet side	✓	–
80 mm sq. type	109-049E	Inlet side, Outlet side	✓	–
	109-049H		–	✓
\varnothing92 mm type	109-1147	Impeller side, Nameplate side	✓	–
92 mm sq. type, \varnothing100 mm type	109-099E	Inlet side, Outlet side	✓	–
	109-099H		–	✓
120 mm sq. type	109-019E	Inlet side, Outlet side	✓	–
	109-019K		–	✓
127 mm sq. type, \varnothing175 mm type, \varnothing190 mm type	109-722	Inlet side, Outlet side	✓	–
	109-722H		–	✓
\varnothing133 mm type	109-1112	Inlet side	✓	–
	109-1112H		–	✓
\varnothing136 mm type	109-1139	Impeller side, Nameplate side	✓	–
140 mm sq. type	109-719	Inlet side, Outlet side	✓	–
	109-719H		–	✓
150 mm sq. type	109-1051	Inlet side, Outlet side	✓	–
\varnothing150 mm type	109-1104	Inlet side	✓	–
	109-1104H		–	✓
160 mm sq. type	109-619E	Inlet side, Outlet side	✓	–
	109-619H		–	✓
\varnothing172 mm Sidecut type	109-1155	Inlet side, Outlet side	✓	–
	109-1155H		–	✓
	109-319J		✓	–
\varnothing172 mm Sidecut, Round type	109-319E	Inlet side, Outlet side	✓	–
	109-319H		–	✓
\varnothing172 mm Round type	109-1066	Inlet side, Outlet side	✓	–
\varnothing200 mm type	109-1102	Inlet side, Outlet side	✓	–
	109-1102H		–	✓
\varnothing221 mm type	109-1138	Inlet side	✓	–
	109-1138H		–	✓
\varnothing225 mm type	109-1137	Inlet side	✓	–
	109-1137H		–	✓
\varnothing250 mm type	109-1152	Inlet side	✓	–
	109-1152H		–	✓
270 mm sq. type (for Bracket-mounted Centrifugal Fan)	109-1146	Inlet side	✓	–
	109-1146H		–	✓

Finger guards Dimensions (unit: mm)

For use in environments subject to water splashes, cation electroplating models are recommended.

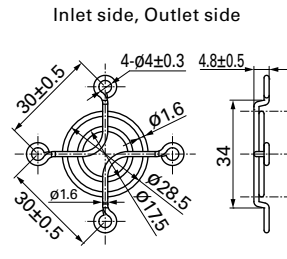
36 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1050	Nickel-chrome plating (silver)	4



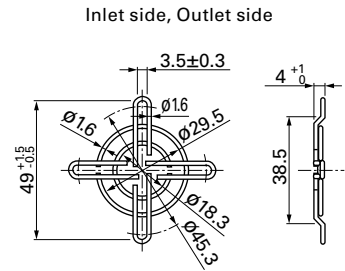
38 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1065	Nickel-chrome plating (silver)	5



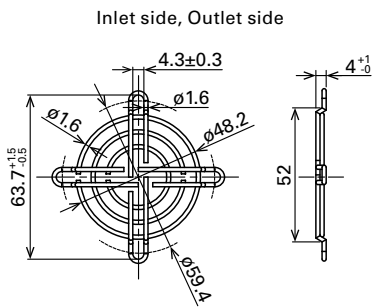
40 mm sq. type

Model no.	Surface treatment	Mass (g)
109-059	Nickel-chrome plating (silver)	7
109-059H	Cation electroplating (black)	



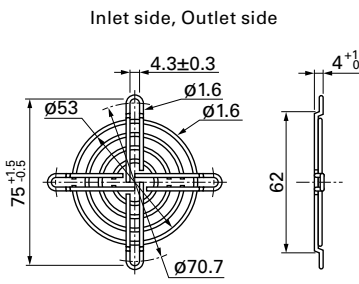
52 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1156	Nickel-chrome plating (silver)	9.1



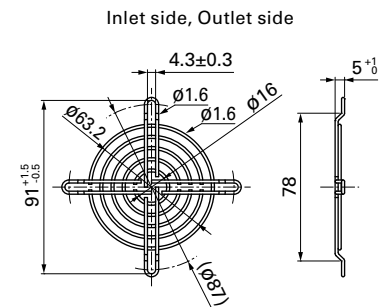
60 mm sq. type

Model no.	Surface treatment	Mass (g)
109-139E	Nickel-chrome plating (silver)	14.5
109-139H	Cation electroplating (black)	



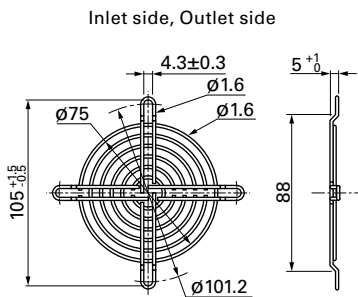
70 mm sq. type, ∅70 mm type

Model no.	Surface treatment	Mass (g)
109-1128	Nickel-chrome plating (silver)	17



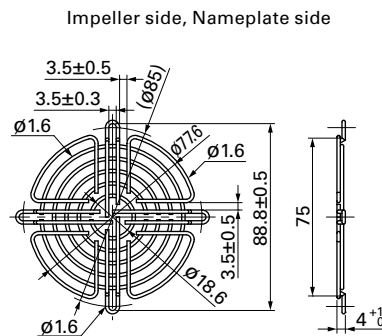
80 mm sq. type

Model no.	Surface treatment	Mass (g)
109-049E	Nickel-chrome plating (silver)	21
109-049H	Cation electroplating (black)	



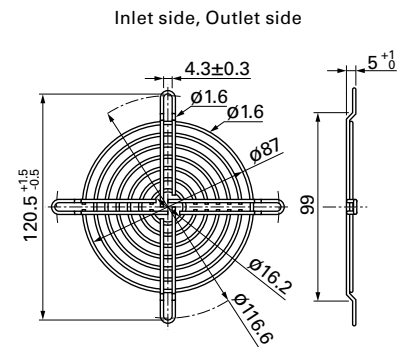
∅92 mm type

Model no.	Surface treatment	Mass (g)
109-1147	Nickel-chrome plating (silver)	23



92 mm sq. type, ∅100 mm type

Model no.	Surface treatment	Mass (g)
109-099E	Nickel-chrome plating (silver)	29
109-099H	Cation electroplating (black)	



Option

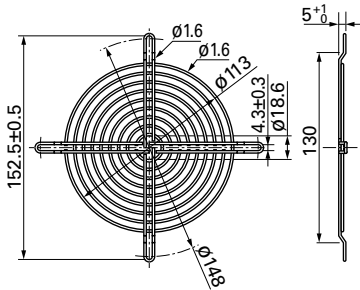
Finger guards Dimensions (unit: mm)

For use in environments subject to water splashes, cation electroplating models are recommended.

120 mm sq. type

Model no.	Surface treatment	Mass (g)
109-019E	Nickel-chrome plating (silver)	42
109-019K	Cation electroplating (black)	

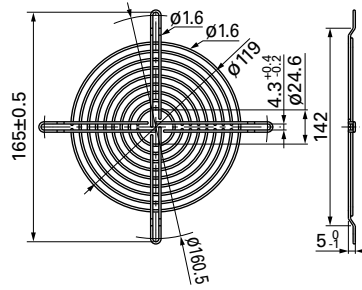
Inlet side, Outlet side



127 mm sq., Ø175 mm, Ø190 mm type

Model no.	Surface treatment	Mass (g)
109-722	Nickel-chrome plating (silver)	43
109-722H	Cation electroplating (black)	

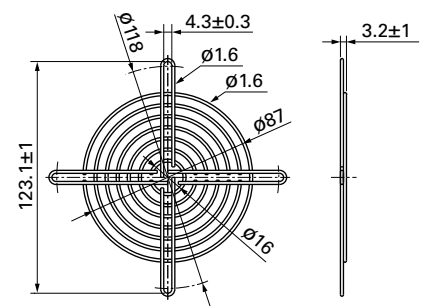
Inlet side, Outlet side



Ø133 mm type

Model no.	Surface treatment	Mass (g)
109-1112	Nickel-chrome plating (silver)	65
109-1112H	Cation electroplating (black)	

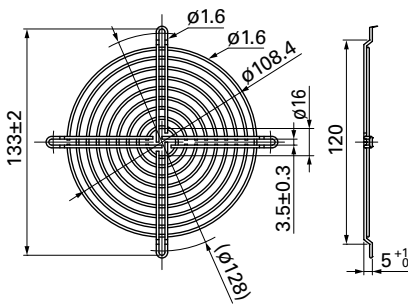
Inlet side



Ø136 mm type

Model no.	Surface treatment	Mass (g)
109-1139	Nickel-chrome plating (silver)	41

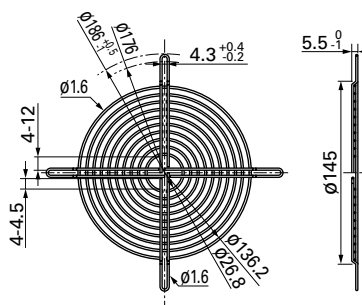
Impeller side, Nameplate side



140 mm sq. type

Model no.	Surface treatment	Mass (g)
109-719	Nickel-chrome plating (silver)	51
109-719H	Cation electroplating (black)	

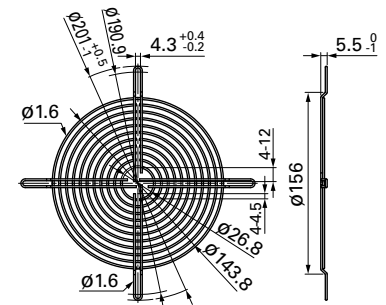
Inlet side, Outlet side



150 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1051	Nickel-chrome plating (silver)	63

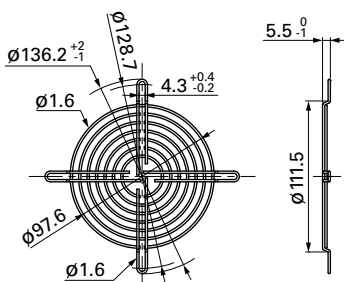
Inlet side, Outlet side



Ø150 mm type

Model no.	Surface treatment	Mass (g)
109-1104	Nickel-chrome plating (silver)	31
109-1104H	Cation electroplating (black)	

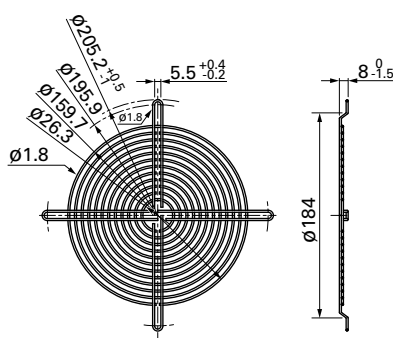
Inlet side



160 mm sq. type

Model no.	Surface treatment	Mass (g)
109-619E	Nickel-chrome plating (silver)	85
109-619H	Cation electroplating (black)	

Inlet side, Outlet side



Option

Finger guards Dimensions (unit: mm)

For use in environments subject to water splashes, cation electroplating models are recommended.

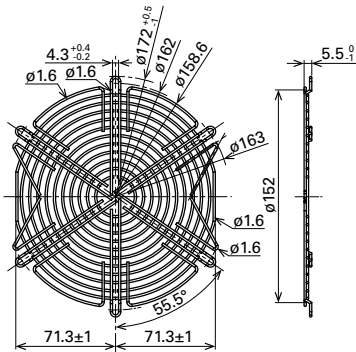
Ø172 mm Sidecut type

Model no.	Surface treatment	Mass (g)
109-1155	Nickel-chrome plating (silver)	74
109-1155H	Cation electroplating (black)	

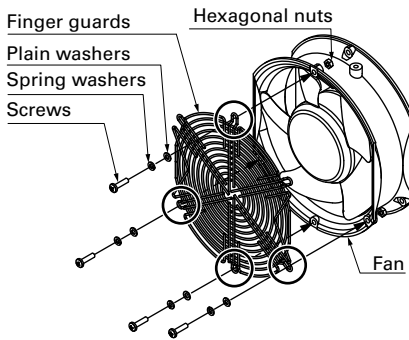
Applicable model no.

9HV57*/9SG57*/9GV57*/9CR57*/
9WG57*/9GP57*/9AD57*/9ADW57*

Inlet side, Outlet side



Mount the 109-1155, 109-1155H finger guard to a fan using four holes as shown below.



● No nuts or screws for use in attachment included.

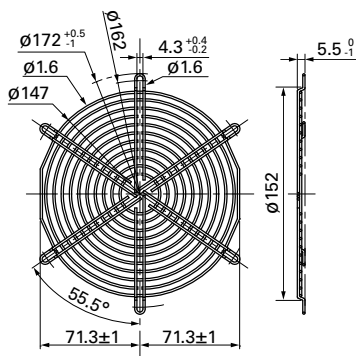
Ø172 mm Sidecut type

Model no.	Surface treatment	Mass (g)
109-319J	Nickel-chrome plating (silver)	65

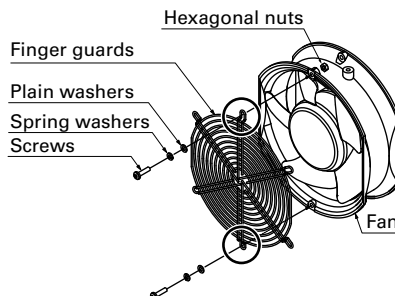
Applicable model no.

109E47*/109E57*/109L57*/109S30*

Inlet side, Outlet side



Mount the 109-319J finger guard to a fan using two holes as shown below.

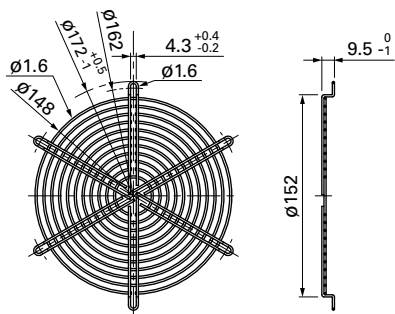


● No nuts or screws for use in attachment included.

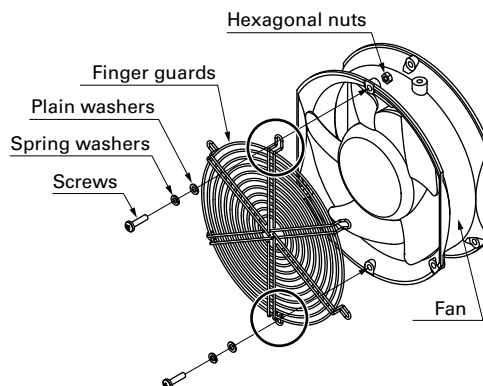
Ø172 mm Sidecut, Round type

Model no.	Surface treatment	Mass (g)
109-319E	Nickel-chrome plating (silver)	69
109-319H	Cation electroplating (black)	

Inlet side, Outlet side



Mount the 109-319E/109-319H finger guard to a fan using two holes as shown below. They cannot be mounted otherwise.

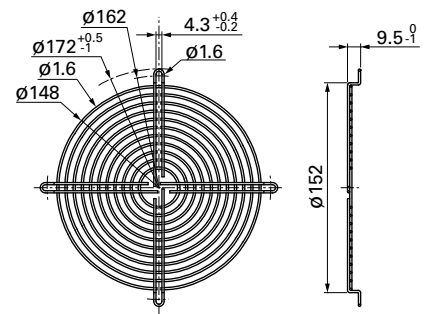


● No nuts or screws for use in attachment included.

Ø172 mm Round type

Model no.	Surface treatment	Mass (g)
109-1066	Nickel-chrome plating (silver)	61

Inlet side, Outlet side

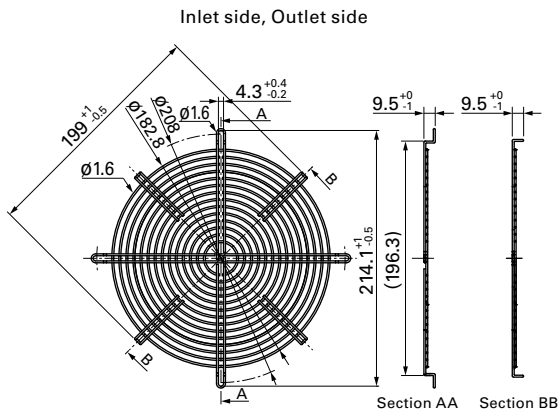


Finger guards Dimensions (unit: mm)

For use in environments subject to water splashes, cation electroplating models are recommended.

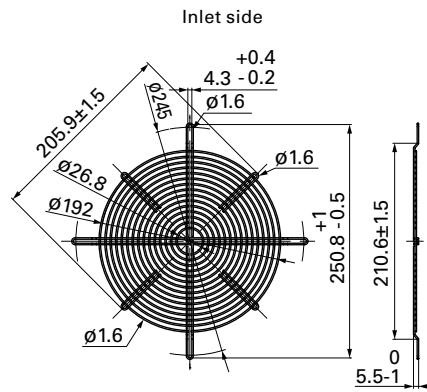
Ø200 mm type

Model no.	Surface treatment	Mass (g)
109-1102	Nickel-chrome plating (silver)	100
109-1102H	Cation electropainting (black)	



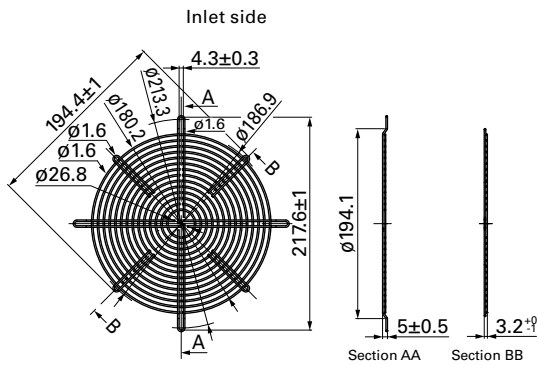
Ø221 mm type

Model no.	Surface treatment	Mass (g)
109-1138	Nickel-chrome plating (silver)	105
109-1138H	Cation electropainting (black)	



Ø225 mm type

Model no.	Surface treatment	Mass (g)
109-1137	Nickel-chrome plating (silver)	94
109-1137H	Cation electropainting (black)	

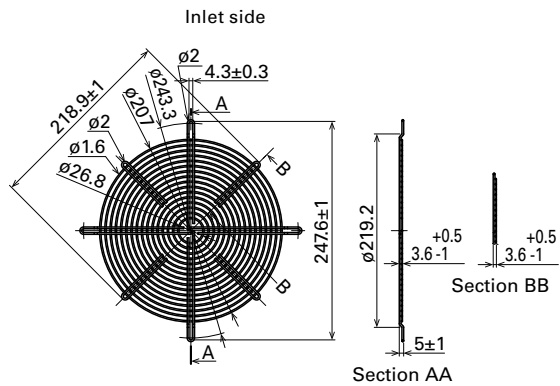


Finger guards Dimensions (unit: mm)

For use in environments subject to water splashes, cation electroplating models are recommended.

ø250 mm type

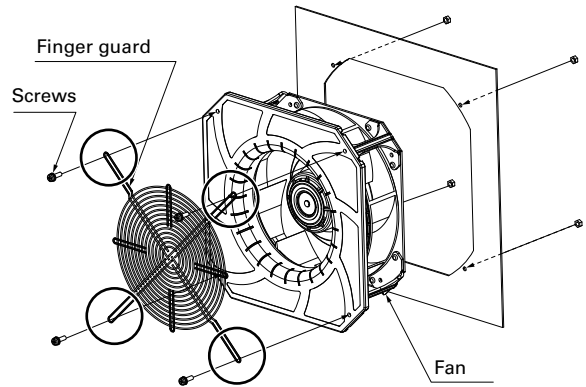
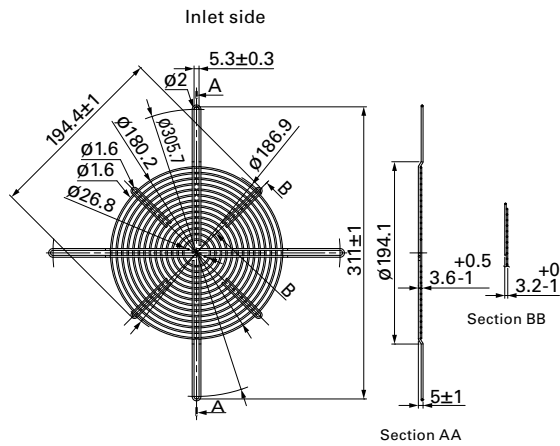
Model no.	Surface treatment	Mass (g)
109-1152	Nickel-chrome plating (silver)	140
109-1152H	Cation electropainting (black)	



270 mm sq. type (for Bracket-mounted Centrifugal Fan)

Model no.	Surface treatment	Mass (g)
109-1146	Nickel-chrome plating (silver)	106
109-1146H	Cation electropainting (black)	

Finger guard 109-1146 and 109-1146H should be mounted with four holes as in the drawing.

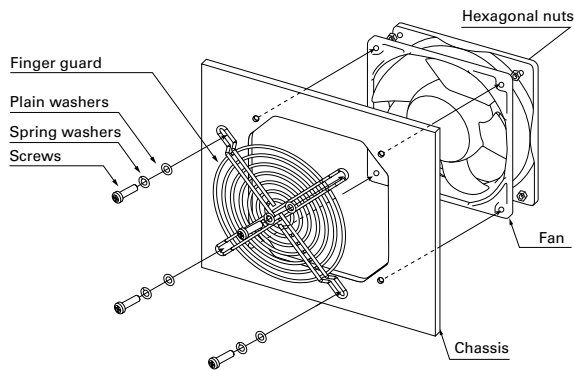


●No nuts or screws for use in attachment included.

Mounting example

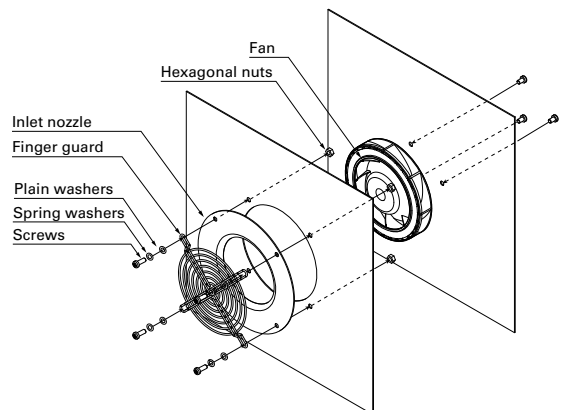
Option

Axial fan



●No nuts or screws for use in attachment included.

Centrifugal fan

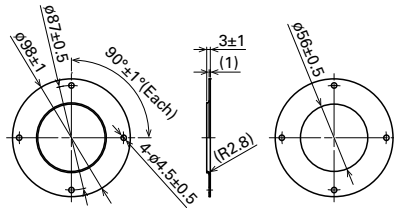


Inlet nozzle for centrifugal fan and splash proof centrifugal fan Dimensions (unit: mm)

Nozzle mounted in fan inlet side to adjust the flow of introduced air. Material: Steel sheet
 For use in environments subject to water splashes, cation electroplating models are recommended.

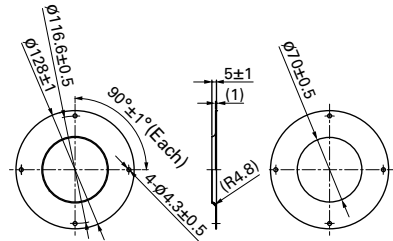
ø70 mm type

Model no.	Surface treatment	Mass (g)
109-1106	Electro nickel plating (silver)	40



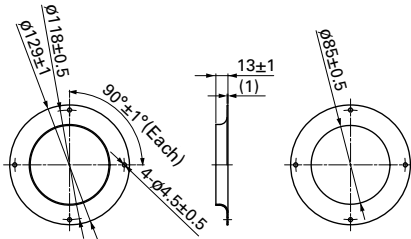
ø100 mm type

Model no.	Surface treatment	Mass (g)
109-1080	Electro nickel plating (silver)	80
109-1080H	Cation electroplating (black)	



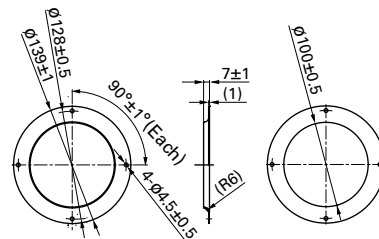
ø133 mm type

Model no.	Surface treatment	Mass (g)
109-1069	Electro nickel plating (silver)	76
109-1069H	Cation electroplating (black)	



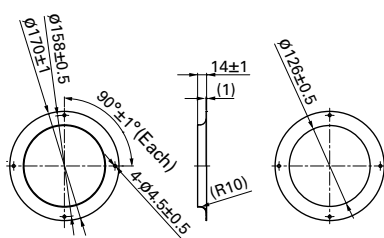
ø150 mm type

Model no.	Surface treatment	Mass (g)
109-1081	Electro nickel plating (silver)	70
109-1081H	Cation electroplating (black)	



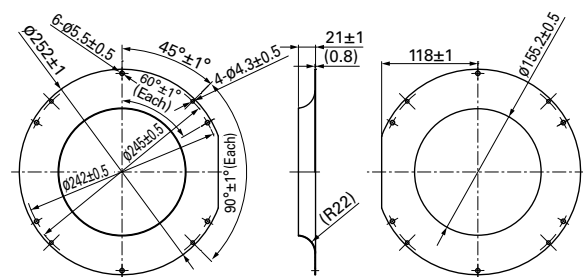
ø175 mm, ø190 mm type

Model no.	Surface treatment	Mass (g)
109-1073	Electro nickel plating (silver)	100
109-1073H	Cation electroplating (black)	



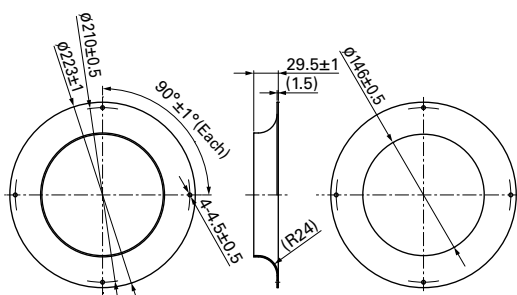
ø221 mm type

Model no.	Surface treatment	Mass (g)
109-1135	Electro nickel plating (silver)	230
109-1135H	Cation electroplating (black)	



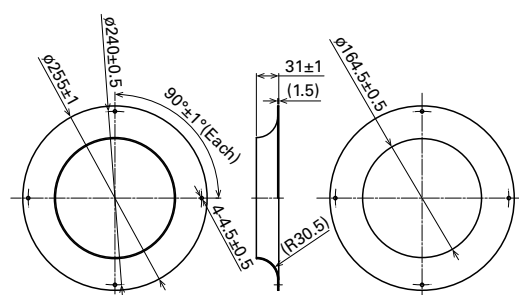
ø225 mm type

Model no.	Surface treatment	Mass (g)
109-1134	Electro nickel plating (silver)	360
109-1134H	Cation electroplating (black)	



ø250 mm type

Model no.	Surface treatment	Mass (g)
109-1151	Electro nickel plating (silver)	440
109-1151H	Cation electroplating (black)	



Option

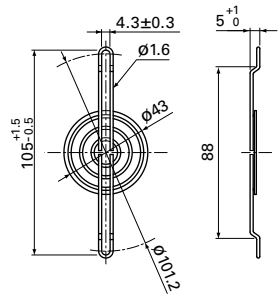
EMC guards Dimensions (unit: mm)

It is a metallic piece that protects materials from the adverse effects of electromagnetic noise sources. It provides electromagnetic shielding. It is attached to the casing of a device by means of the fan fixing screw (s). Ground the devices equipped with an EMC guard. Rust may occur if used in wet environments. Please refer to page 626 for detail.

80 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1038	Nickel-chrome plating (silver)	14

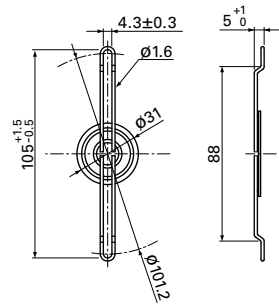
Representative fans model numbers	Dimensions of fans (mm)
109P08*	80×80×20
9GV08*	80×80×38
9HV08*	
9HVA08*	
9HVB08*	



80 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1039	Nickel-chrome plating (silver)	10

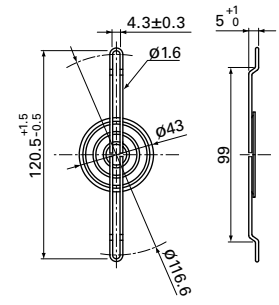
Representative fans model numbers	Dimensions of fans (mm)
9GA08*	80×80×20
9GA08*	80×80×25
9GA08*	80×80×32
9G08*	80×80×38
9GA08*	



92 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1040	Nickel-chrome plating (silver)	15

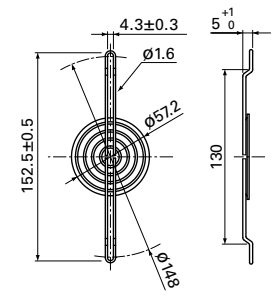
Representative fans model numbers	Dimensions of fans (mm)
9G09*	92×92×32
9G09*	92×92×38
9GV09*	
9GA09*	
9AD09*	



120 mm sq. type

Model no.	Surface treatment	Mass (g)
109-1037	Nickel-chrome plating (silver)	26

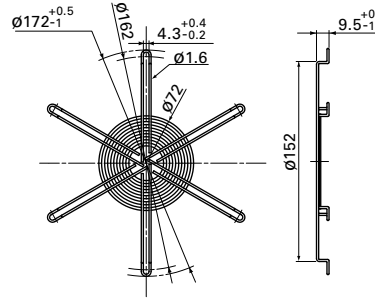
Representative fans model numbers	Dimensions of fans (mm)
9GV12*	120×120×25
9GL12*	120×120×38
9G12*	
9GV12*	
9HV12*	
9LG12*	
9AD12*	



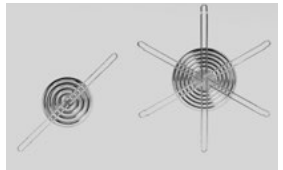
Ø172 mm type

Model no.	Surface treatment	Mass (g)
109-1036	Nickel-chrome plating (silver)	49

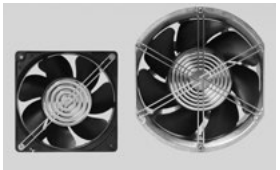
Representative fans model numbers	Dimensions of fans (mm)
109E47*	Ø172×25
109L17*	Ø172×51
9GV57*	
109E17*	
109E57*	
9SG57*	



Option



EMC guard



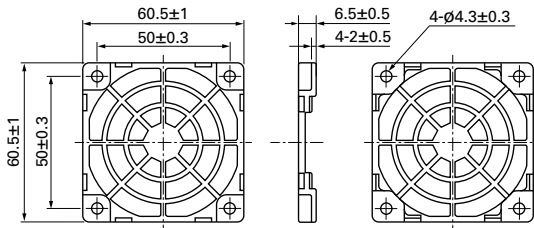
attached to a cooling fan

Resin finger guards Dimensions (unit: mm)

Material Frame: Resin (PPE+PS) UL file no. E82268 94V-0

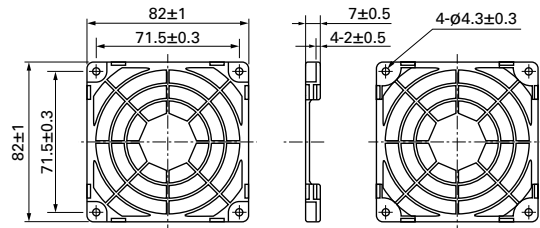
60 mm sq. type

Model no.	Mass (g)
109-1003G	7



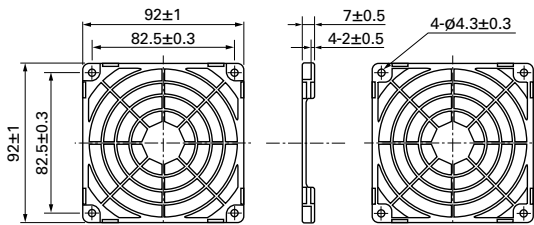
80 mm sq. type

Model no.	Mass (g)
109-1002G	10



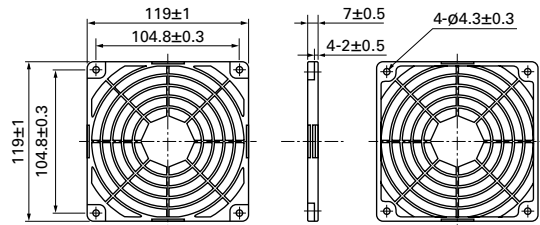
92 mm sq. type

Model no.	Mass (g)
109-1001G	12



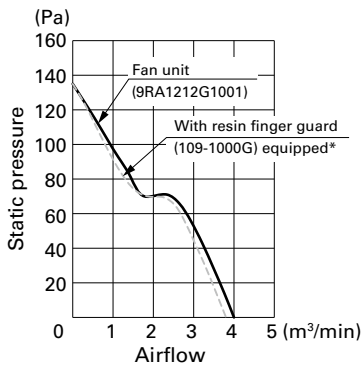
120 mm sq. type

Model no.	Mass (g)
109-1000G	23



Airflow - Static pressure characteristics

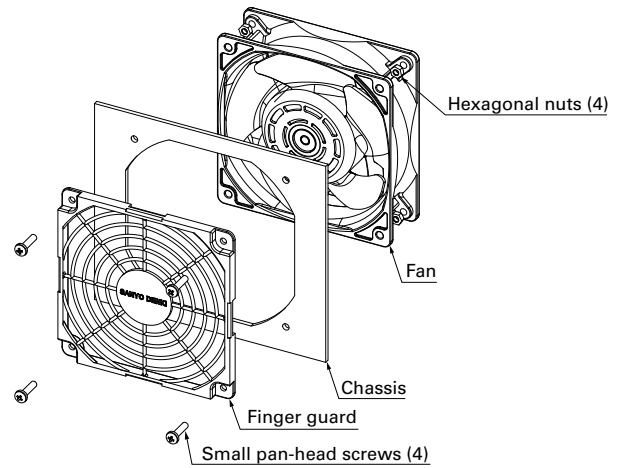
Measured with our double chamber measuring device (120 mm sq. type)



Applied voltage: 12 VDC

* Finger guard is attached on air inlet side of fan.

Mounting example



- Operating temperature limit is between -20 to +70°C. (non-condensing)
- Plastic finger guards are placed on both the intake and exhaust sides of the fan.
- No nuts or screws for use in attachment included.

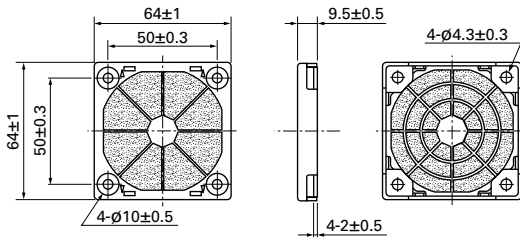
Option

Resin filter kits Dimensions (unit: mm)

Material Guard, cover: Resin (PPE+PS) UL file no. E82268 94V-0 Filter: Polyurethane foam UL file no. E74916 (S) 94HF-1
 PPI: Particles Per Inch Indicates the number of holes per inch. Note that the higher the number, the finer the grain of the sponge.

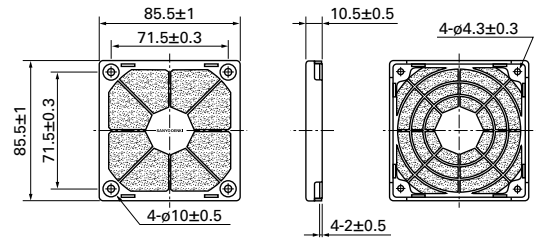
60 mm sq. type

Model no.	Mass (g)
109-1003F13 (13 PPI)	11
109-1003F20 (20 PPI)	
109-1003F30 (30 PPI)	
109-1003F40 (40 PPI)	
Replacement filter model no.	Quantity
109-1003M13 (13 PPI)	5
109-1003M20 (20 PPI)	
109-1003M30 (30 PPI)	
109-1003M40 (40 PPI)	



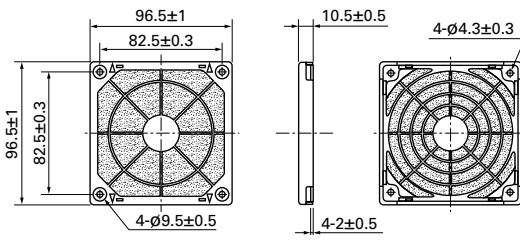
80 mm sq. type

Model no.	Mass (g)
109-1002F13 (13 PPI)	19
109-1002F20 (20 PPI)	
109-1002F30 (30 PPI)	
109-1002F40 (40 PPI)	
Replacement filter model no.	Quantity
109-1002M13 (13 PPI)	5
109-1002M20 (20 PPI)	
109-1002M30 (30 PPI)	
109-1002M40 (40 PPI)	



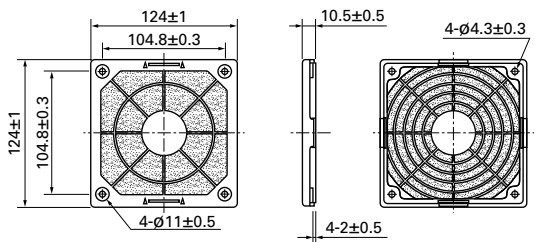
92 mm sq. type

Model no.	Mass (g)
109-1001F13 (13 PPI)	25
109-1001F20 (20 PPI)	
109-1001F30 (30 PPI)	
109-1001F40 (40 PPI)	
Replacement filter model no.	Quantity
109-1001M13 (13 PPI)	5
109-1001M20 (20 PPI)	
109-1001M30 (30 PPI)	
109-1001M40 (40 PPI)	



120 mm sq. type

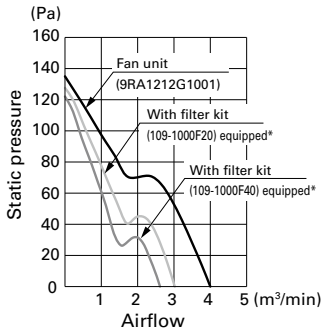
Model no.	Mass (g)
109-1000F13 (13 PPI)	44
109-1000F20 (20 PPI)	
109-1000F30 (30 PPI)	
109-1000F40 (40 PPI)	
Replacement filter model no.	Quantity
109-1000M13 (13 PPI)	5
109-1000M20 (20 PPI)	
109-1000M30 (30 PPI)	
109-1000M40 (40 PPI)	



Resin filter kits

Airflow - Static pressure characteristics

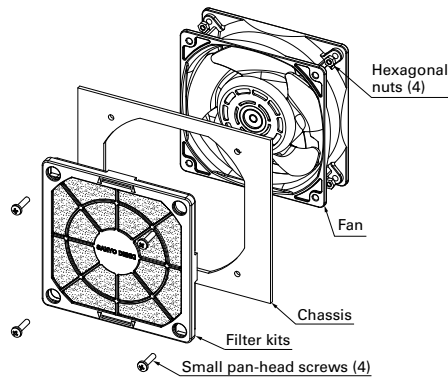
Measured with our double chamber measuring device (120 mm sq. type)



Applied voltage: 12 VDC

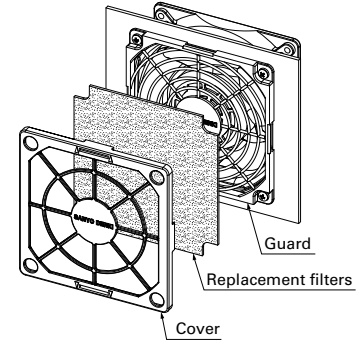
* Filter kit is attached on air inlet side of fan.

Mounting example



Filter replacement (example)

To replace the filter, remove the front cover of the filter kit.



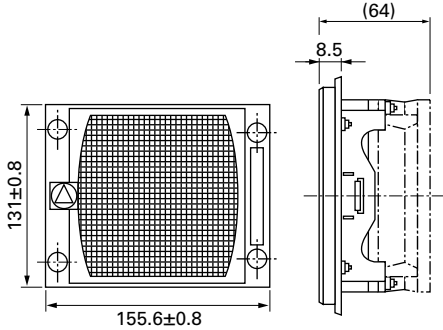
- Filter kit is one of the options to keep air in the chassis clean filtering dust in external atmosphere when pulling-air cooling is implemented. The filter kit is hooked up through mounting hole of fan frame with screw as well as finger guard. Some performances (airflow & static pressure) of the fan motor decreases when filter kit is hooked up.
- This Filter Kit is composed of 3 components, including a guard, a filter and a cover. It is delivered as a finished product at delivery, saving assembly time when mounting. It can be mounted by inserting a screw in the apertures of the cover.
- The filter and cover can be easily removed from the guard with one touch. There is no need for fan removal when undertaking maintenance.
- Operating temperature limit is between -10 to +60°C. (non-condensing)
- The filter will deteriorate with age, and the level of deterioration will vary upon usage conditions. Please be aware that the filter has a greater tendency to deteriorate under high temperature and humidity. For long-term storage, please store under the temperature range of 10 to 30°C, humidity range of 20 to 65%. Usage and storage period is approximately 2 years.
- Cooling ability decreases with filter contamination due to clogging. Filter replacement is recommended approximately every six months of usage. Please replace the filter if deterioration or clogging is seen at inspection.
- When replacing the filter, please use genuine SANYO DENKI filters. ● Do not water-wash the filter.
- Avoid use and storage under high temperature or humidity, direct sunlight or exposure to ultraviolet light, or in corrosive gas. ● No nuts or screws for use in attachment included.

Filter kits Applicable models: AC Fan 120×120×38 mm Dimensions, Reference Dimensions of Mounting Holes (unit: mm)

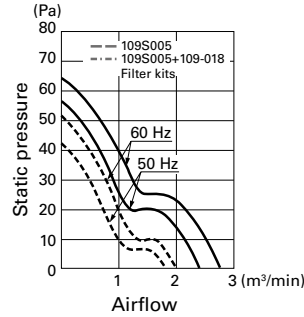
Neither filter kit can be installed on ACDC fans, or AC fans with sensors. Please evaluate it by assembly filter kits on the device.

Model no.	Material	Mass (g)
109-018	Steel Wire Mesh: Stainless 16-mesh nets in 3 layers Cover: Resin Metal fittings: Steel (chromate-plated)	182

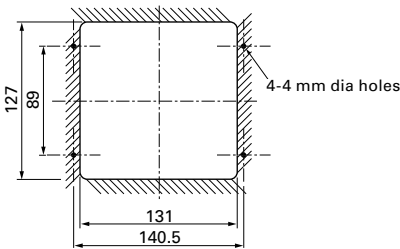
Dimensions



Airflow - Static Pressure Characteristics
(Measured with our double chamber measuring device)

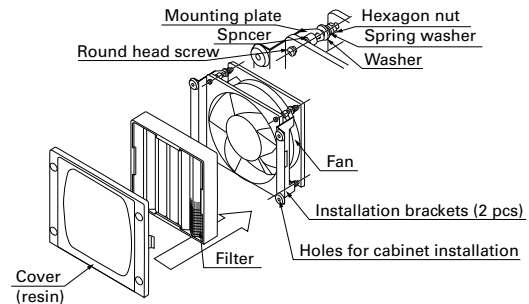


Reference Dimensions of Mounting Holes



●The parts shown in the installation diagram (nuts, washers, and screws) are included.

Mounting Example

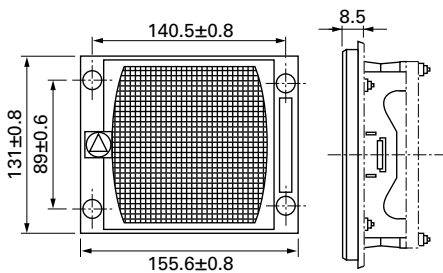


Screen kits Applicable models: AC Fan 120×120×38 mm Dimensions, Reference Dimensions of Mounting Holes (unit: mm)

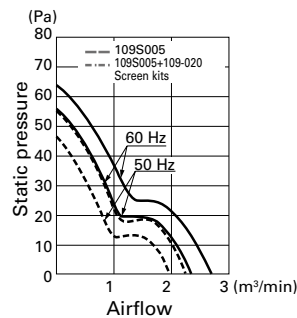
Neither screen kit can be installed on ACDC fans, or AC fans with sensors.

Model no.	Material	Mass (g)
109-020	Steel Wire Mesh: Stainless 16-mesh nets in 1 layers Cover: Resin Metal fittings: Steel (chromate-plated)	135

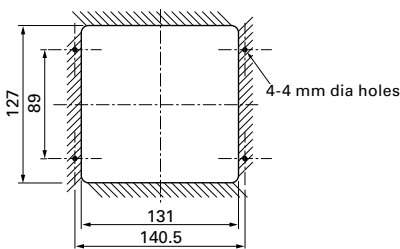
Dimensions



Airflow - Static Pressure Characteristics
(Measured with our double chamber measuring device)

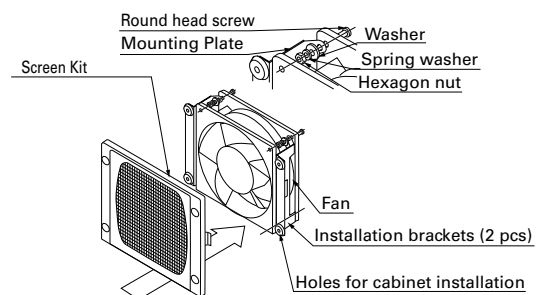


Reference Dimensions of Mounting Holes



●The parts shown in the installation diagram (nuts, washers, and screws) are included.

Mounting Example

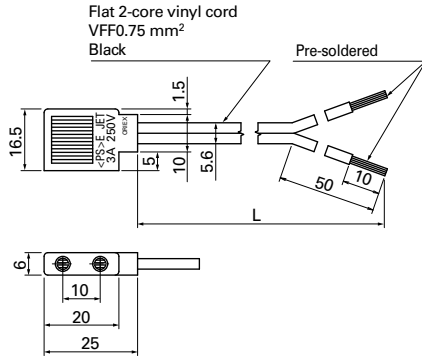


Option

■PSE compatible models

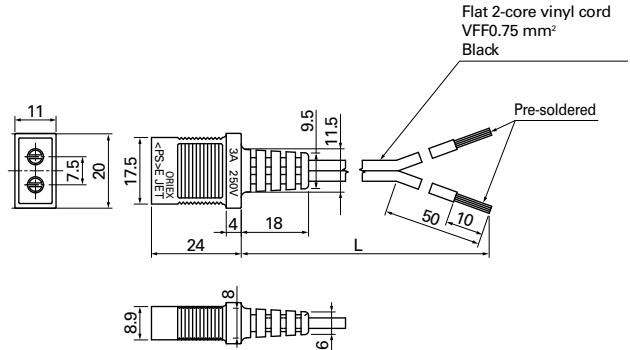
For 80×80×42 mm

Model no.	Power cord length [L] (mm)	Mass (g)
489-008-L10	1000	30
489-008-L21	2100	61
489-008-L35	3500	99



For 80×80×25 mm, 80×80×38 mm, 92×92×25 mm, 120×120×25 mm

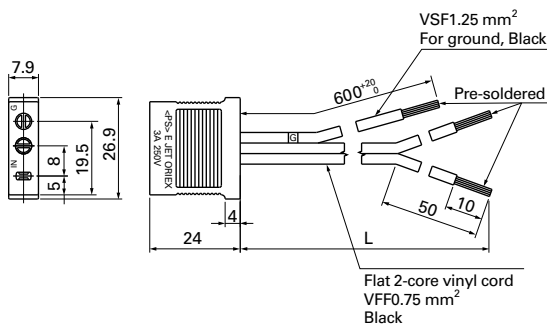
Model no.	Power cord length [L] (mm)	Mass (g)
489-016-L10	1000	34
489-016-L21	2100	64



For 120×120×38 mm (not including ACDC fan)

Exclusive for fans without UL at the end of the model number.

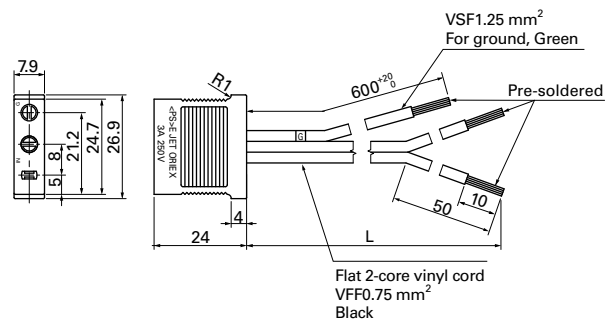
Model no.	Power cord length [L] (mm)	Mass (g)
489-006-L10	1000	47
489-006-L21	2100	76
489-006-L35	3500	114



For 120×120×38 mm (not including ACDC fan)

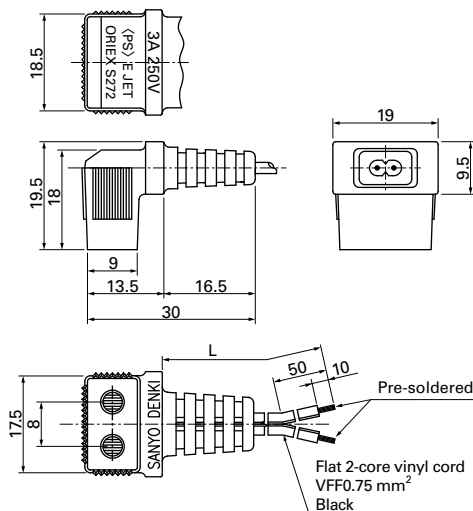
Exclusive for fans with UL at the end of the model number.

Model no.	Power cord length [L] (mm)	Mass (g)
489-037-L10	1000	46
489-037-L21	2100	76
489-037-L35	3500	114



For ø172×51 mm, ø172×150×51 mm, 160×160×51 mm

Model no.	Power cord length [L] (mm)	Mass (g)
489-1619-L10	1000	34
489-1619-L21	2100	64



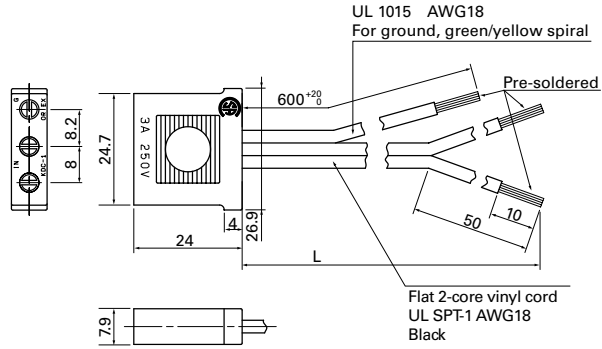
●Be careful not to damage the plug cord when taking them out of the package.

Plug cord for AC fan Dimensions (unit: mm)

UL/CSA certified models UL file no.: E50197 CSA file no.: LR67048

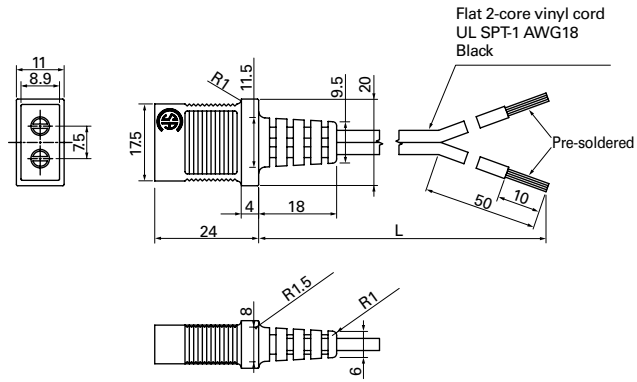
For 120×120×38 mm (not including ACDC fan)
Exclusive for fans with UL at the end of the model number.

Model no.	Power cord length [L] (mm)	Mass (g)
489-007-L10	1000	48
489-007-L21	2100	80



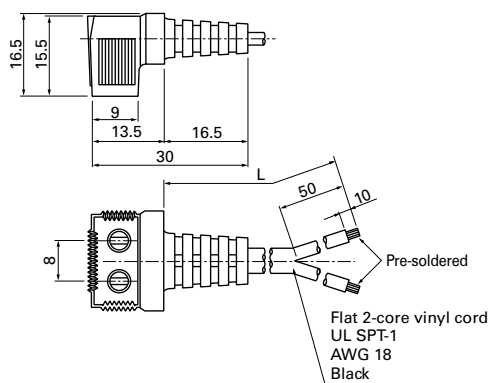
For 80×80×25 mm, 80×80×38 mm, 92×92×25 mm, 120×120×25 mm

Model no.	Power cord length [L] (mm)	Mass (g)
489-047-L10	1000	38
489-047-L21	2100	71



For ∅172×51 mm, ∅172×150×51 mm, 160×160×51 mm

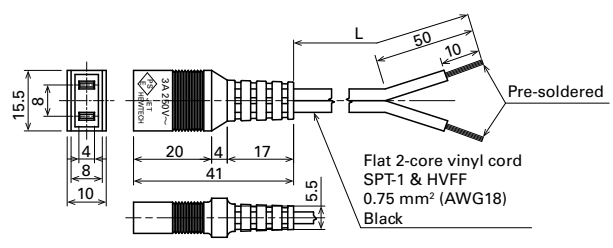
Model no.	Power cord length [L] (mm)	Mass (g)
489-084-L10	1000	37
489-084-L21	2100	70



PSE compatible, UL/CSA [c-UL] certified models UL file no.: E35708

For 160×160×51 mm

Model no.	Power cord length [L] (mm)	Mass (g)
489-1652-L10	1000	39
489-1652-L21	2100	75



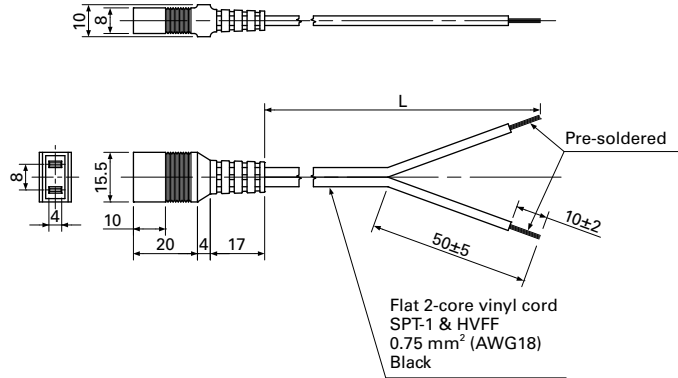
Option

● Be careful not to damage the plug cord when taking them out of the package.

■PSE compatible, UL/CSA [c-UL] certified models UL file no.: E43202

For 92 × 92 × 38 mm, 120 × 120 × 38 mm 9AD type

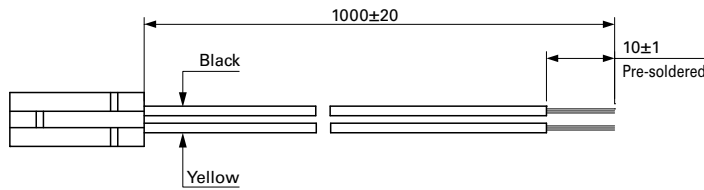
Model no.	Power cord length [L] (mm)	Mass (g)
489-1635-L10	1000	38
489-1635-L21	2100	74



Sensor extension wiring harness

For 92 × 92 × 38 mm, 120 × 120 × 38 mm 9AD type

Model no.	Mass (g)
489-1636	9



Connector Model no.: TE Connectivity 172211-2
Contact Model no.: TE Connectivity 170376-1

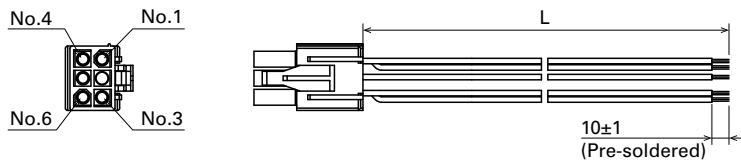
Lead wire: AWG24 UL 1007

●Be careful not to damage the plug cord when taking them out of the package.

For 160 × 160 × 51 mm, ∅172 × 150 × 51 mm

Compatible with a fan with low-speed sensor, and a fan with pulse sensor and PWM control.

Model no.	Lead wire length [L] (mm)	Mass (g)
489-1647	1000	27
489-1650	2100	54



Connector Model no.: TE Connectivity 1-172168-9

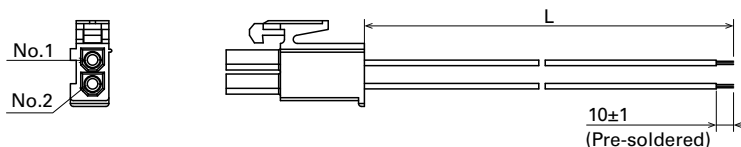
Power lead wire
AWG22 UL 11347

Other lead wire
AWG24 UL 3385

For 160 × 160 × 51 mm, ∅172 × 150 × 51 mm

Compatible with a fan without sensor.

Model no.	Lead wire length [L] (mm)	Mass (g)
489-1648	1000	14
489-1651	2100	28



Connector Model no.: TE Connectivity 1-172165-9

Lead wire: AWG22 UL 11347

Typical Connectors for DC Fans

Listed below are the typical contact/housing connectors with a proven track record with our products. For customization details, contact us.

Manufacturer	2 pins Housing model number	3 pins Housing model number	4 pins Housing model number	6 pins Housing model number	8 pins Housing model number	Contact model number
MOLEX	22-01-1022:P/N 5051-02*	22-01-1032:P/N 5051-03* 22-01-3037:P/N 2695-03RP*	22-01-1042:P/N 5051-04* 22-01-3047:P/N 2695-04RP 47054-1000	—	—	08-55-0130:P/N 2759-(558)B
						08-50-0113:P/N 2759-(P909)B
						08-70-0064:P/N 5159T*
						08-70-0048:P/N 5159PBT*
						39-00-0372:P/N 2759T*
						39-00-0374:P/N 2759GS
						39-00-0376:P/N 2759G
	39-00-0380:P/N 2759PBG					
	43025-0200*	—	43025-0400*	44133-0600	—	43030-0001*
						43030-0002*
						43030-0003*
						43030-0004
						43030-0005
	43030-0006					
46235-0001						
—	—	51021-0400	—	—	50079-8000	
51191-0200*	51191-0300*	51191-0400*	—	—	50802-9001*	
50802-8000						
50-37-5023:P/N 5264-02*	50-37-5033:P/N 5264-03*	50-37-5043:P/N 5264-04*	—	—	08-70-1039:P/N 5263PBT*	
39-01-2020:P/N 5557-02R*	—	39-01-2040:P/N 5557-04R*	—	—	39-00-0059:P/N 5556PBT*	
39-00-0038:P/N 5556T*						
TE Connectivity	171822-2*	171822-3*	171822-4*	—	—	170262-1*
	179228-2*	179228-3*	179228-4*	—	—	179227-1*
	—	—	—	—	794617-8	1-794607-1
Hirose	DF1B-2EP-2.5RC*	DF1B-3EP-2.5RC*	—	—	—	DF1B-2428PCF*
	DF3-2EP-2C* DF3AA-2EP-2C*	DF3-3EP-2C* DF3AA-3EP-2C*	DF3-4EP-2C* DF3AA-4EP-2C*	—	—	DF3-EP2428PCF*
Japan Solderless Terminals	EHR-2*	EHR-3*	EHR-4*	—	—	SEH-001T-P0.6*
	SMP-02V-BC*	SMP-03V-BC*	SMP-04V-BC*	—	—	SHF-001T-0.8BS*
	SMP-02V-NC*	SMP-03V-NC*	—	—	—	
	H2P-SHF-AA*	H3P-SHF-AA*	—	—	—	
	PHR-2*	PHR-3*	PHR-4*	—	—	SPH-002T-P0.5S*
	XAP-02V-1*	XAP-03V-1*	XAP-04V-1*	—	—	SPH-002T-P0.5L
	XMP-02V*	XMP-03V*	—	—	—	SXA-001T-P0.6*
	XHP-2*	XHP-3*	XHP-4*	—	—	SXA-01T-P0.6
						SXH-001GU-P0.6*
						SXH-001T-P0.6*
	SMR-02V-B*	SMR-03V-B*	SMR-04V-B*	—	—	SXH-002T-P0.6
SMR-02V-N*	SMR-03V-N*	SMR-04V-N*	—	—	SYM-001T-P0.6*	
—	—	ZHR-4	—	—	SZH-002T-P0.5	

* Recommended connectors

Recommended tubes and cable ties for DC fan

	Manufacturer	Representative model numbers	Specifications	UL file no.
PVC tube	YAMAICHI CHEMICAL	YET-300H	105°C 300 V VW-1	E55011
	IWASE KAGAKU KOGYO	AH-3		E56036
Thermal contraction tube	SUMITOMO ELECTRIC	SUMITUBE® F2 (Z)	125°C 600 V VW-1	E48762
	SUMI-PAC	SUMITUBE® F32		
Cable tie	ABB	TY23M	UL 94V-2	E49405
	PANDUIT	BT1M		E56854
	HellermannTyton	T18R		E64962

Note: The specifications in this table are for reference purposes only. When selecting, please check catalogs of each brand.