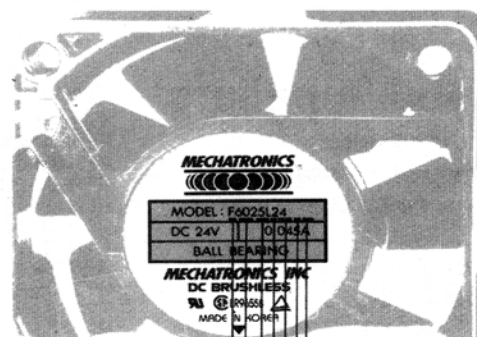


FEATURE

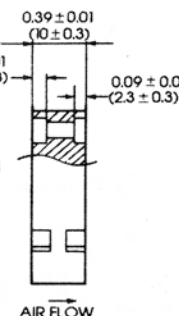
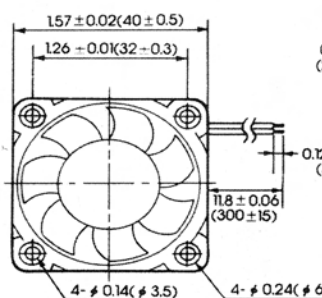
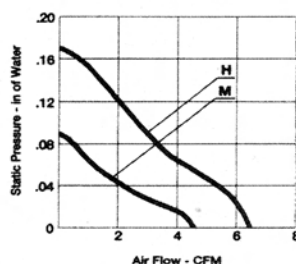
- DC Fans, 5/12/24/48 VDC
- Ball or Sleeve Bearing Construction
- Low Noise and Low Power Design
- Reverse Polarity and Locked Rotor Protection
- Tachometer and Locked Rotor Signal Outputs
- Thermistor Option
- All Models Designed to meet
UL, CSA, I.E.C 950 Standards
UL E137077, CSA 96558,
TUV R9154180/R9154178/R9154634



- Series
- Frame Size
 - 40: 40mm
 - 50: 50mm
 - 60: 60mm
 - 80: 80mm
 - 92: 92mm
 - 12: 120mm
- Frame Thickness
 - 10: 10mm
 - 25: 25mm
 - 38: 38mm
- Options
 - 1: Tachometer output
 - 2: Locked rotor output
 - 3: Thermistor speed control (Sensor on hub)
 - 4: Thermistor speed control (Sensor on lead wire end)
- Bearings
 - B: Ball Bearings
 - C: Ball & Sleeve Bearings
 - D: Sleeve Bearings
- Voltage
 - 05: DC 5V 24: DC 24V
 - 12: DC 12V 48: DC 48V
- Air Flow Level
S<L<M<H<E<X

F4010

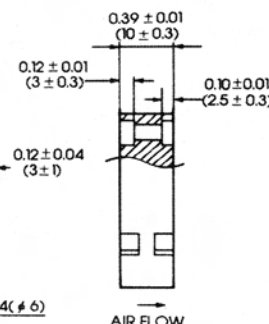
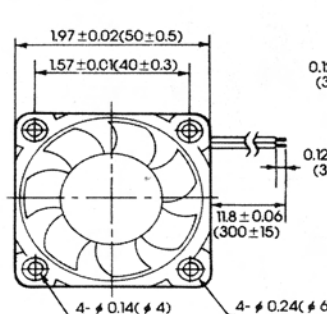
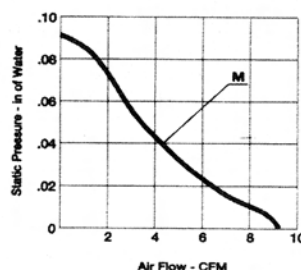
Size: 1.57 × 1.57 × 0.39inch
40 × 40 × 10mm



Model No.	Rated Voltage (V)	Current (mA)		Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12					
F4010M	5/12	100	40	4,200	4.6	0.09	21	0.56
F4010H	12		70	6,200	6.4	0.16	26	

F5010

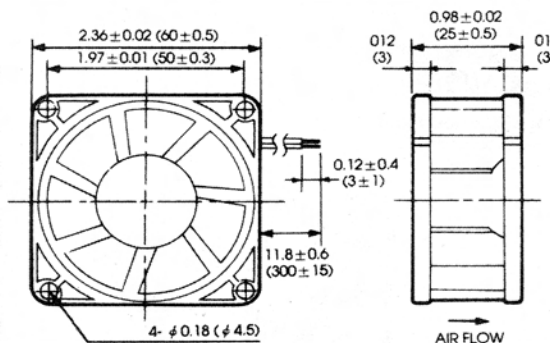
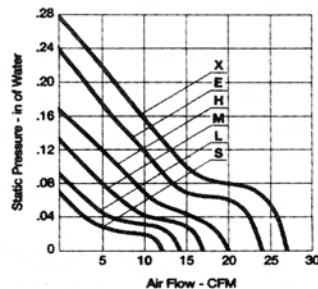
Size: 1.97 × 1.97 × 0.39inch
50 × 50 × 10mm



Model No.	Rated Voltage (V)	Current (mA)		Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		12						
F5010M	12	70		5,000	9.3	0.09	26	0.74

F6025

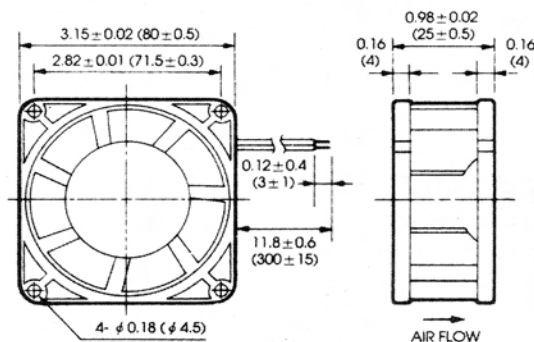
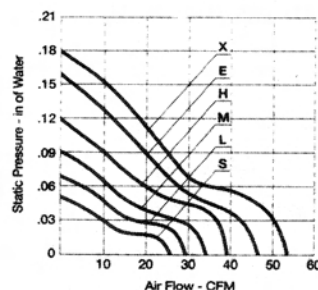
Size: 2.36×2.36×0.98 inch
60×60×25mm



Model No.	Rated Voltage (V)	Current (mA)			Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12	24					
F6025S	5/12/24	150	75	40	2,300	12	0.07	22	2.47
F6025L	5/12/24	190	85	45	2,800	14	0.09	24	
F6025M	5/12/24	270	95	55	3,300	17	0.13	27	
F6025H	5/12/24	410	140	80	3,800	20	0.17	31	
F6025E	5/12/24	700	230	125	4,600	24	0.23	36	
F6025X	12/24		330	170	5,200	27	0.28	41	

F8025

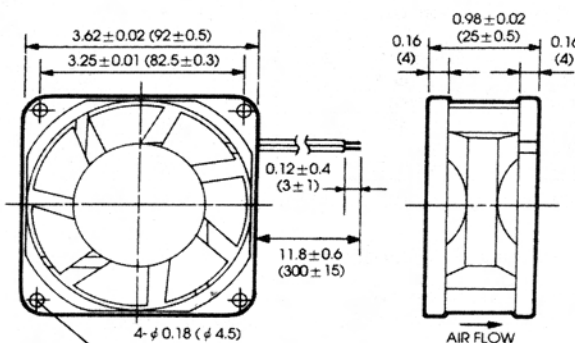
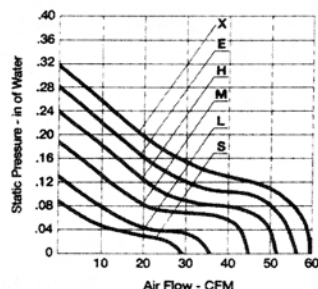
Size: 3.15×3.15×0.98 inch
80×80×25mm



Model No.	Rated Voltage (V)	Current (mA)			Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12	24					
F8025S	5/12/24	150	75	50	1,500	25	0.05	20	2.79
F8025L	5/12/24	200	90	60	1,800	29	0.07	22	
F8025M	5/12/24	290	120	80	2,100	34	0.09	26	
F8025H	5/12/24	420	145	90	2,400	39	0.12	29	
F8025E	5/12/24	800	240	140	2,800	46	0.16	32	
F8025X	12/24		480	260	3,200	51	0.18	35	

E9225

Size: 3.62×3.62×0.98 inch
92×92×25mm



Model No.	Rated Voltage (V)	Current (mA)				Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12	24	48					
E9225S	5/12/24	270	98	60		2,000	29	0.09	24	3.89
E9225L	5/12/24	400	150	85		2,400	35	0.13	27	
E9225M	5/12/24	560	235	125		2,800	44	0.19	32	
E9225H	12/24/48		360	168	85	3,200	51	0.24	36	
E9225E	12/24/48		498	255	130	3,600	56	0.28	39	
E9225X	12/24		550	300		4,000	60	0.32	43	

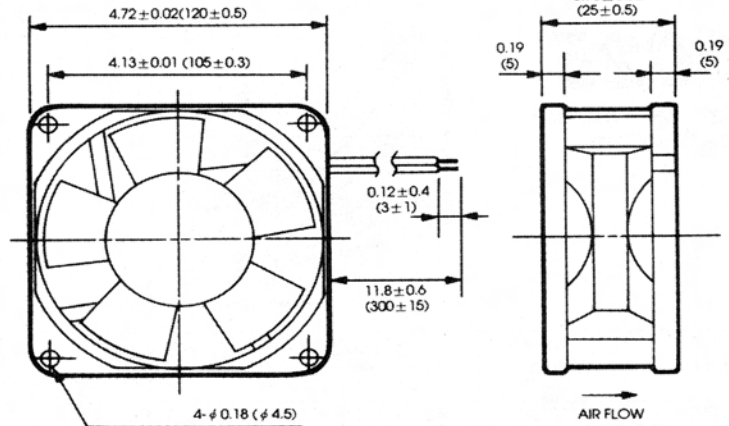
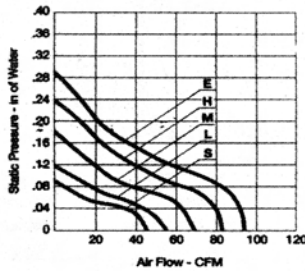
15

FANS & BLOWERS



E1225

Size: 4.72×4.72×0.98 inch
120×120×25mm

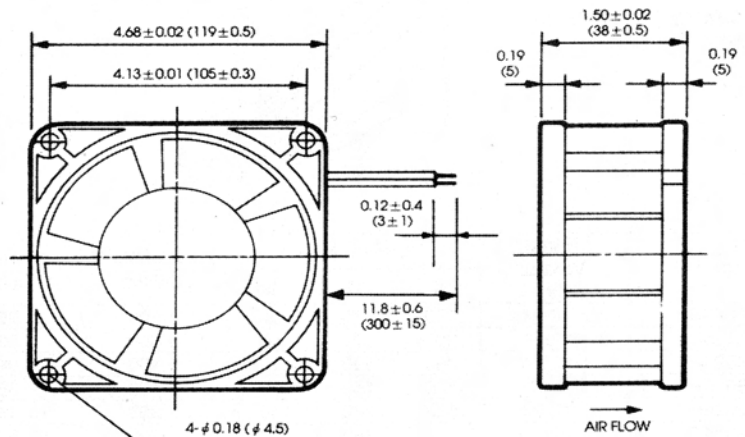
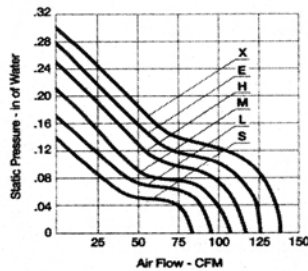


Model No.	Rated Voltage (V)	Current (mA)				Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12	24	48					
E1225S	5/12/24	220	100	85		1,400	44	0.09	28	6.28
E1225L	5/12/24	340	142	95		1,800	55	0.12	32	
E1225M	5/12/24	600	245	160		2,200	67	0.18	36	
E1225H	12/24/48		385	240	120	2,600	82	0.24	40	
E1225E	12/24/48		580	340	170	3,000	93	0.29	44	

* Available with quick disconnect terminal block.

F1238

Size: 4.69×4.69×1.5 inch
119×119×38mm



Model No.	Rated Voltage (V)	Current (mA)				Revolution (RPM)	Air Volume (cfm)	Max. Static Pressure (in H ₂ O)	Sound Noise (dBA)	Weight (oz)
		5	12	24	48					
F1238S	5/12/24/48	520	180	90	60	1,800	82	0.14	34	7.87
F1238L	5/12/24/48	800	290	145	80	2,050	93	0.17	36	
F1238M	12/24/48		360	180	120	2,300	104	0.21	38	
F1238H	12/24/48		440	220	140	2,500	112	0.25	41	
F1238E	12/24		700	350		2,800	125	0.28	43	
F1238X	12/24		950	500		3,100	140	0.30	45	

* Available with quick disconnect terminal block.

● Mechatronics Fan Options

1. Tachometer Output Signal

White third lead wire provides a 2 pulses per revolution square wave output, open collector format, TTL compatible signal.

2. Locked Rotor Output Signal

Yellow third lead wire provides an open collector formatted low output signal while fan is rotating. When rotation stops, the signal changes to an open collector high output, TTL compatible signal.

3. Thermistor Speed Control - Hub mounted sensor

4. Thermistor Speed Control - Wire mounted sensor



Features

- Ball or sleeve bearing construction
- Aluminum die-cast frame
- UL 94V-o impeller
- Terminal connector or leadwire
- Impedance protected
- Dielectric Strength
AC 1500V (50/60Hz) one min.
- Temperature range
Ball bearings -40°C to 70°C
Sleeve bearings -20°C to 70°C
- Meets UL, CSA and VDE standards
UL File No. E137077
CSA No. LR 95832-7M
VDE License No. 3074ÜG

Model: **UF 12 A 12 - B T H**

AC Series

Frame Size

80: 80mm

92: 92mm

12: 120mm

15: 150 X 170mm

Frame Thickness

A: 38mm

B: 25mm

P: 51mm

Voltage

12: 120 VAC

23: 230 VAC

Air Flow Level

H: High

M: Medium

L: Low

Connection

T: Terminal

W: Leadwire

Bearings

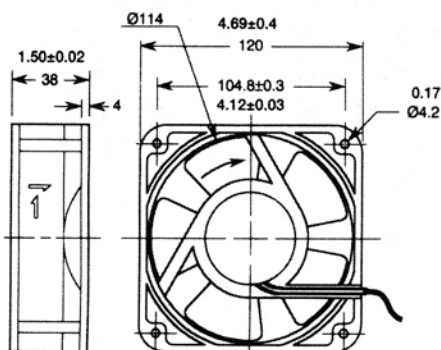
B: Ball

S: Sleeve

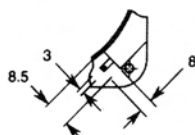
15

FANS & BLOWERS

UF12A Series



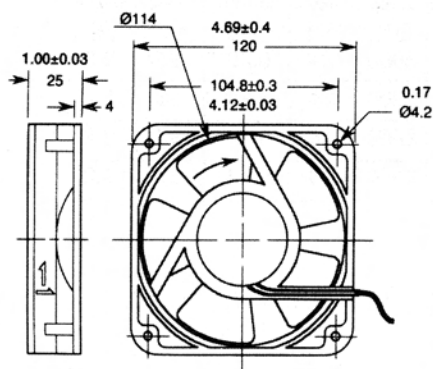
Lead Wire



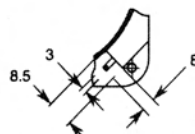
Terminal Type

Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF12A12 - __ H	120	60	15	0.19	0.20	3100	106	0.35	47	18.7
UF12A23 - __ H	230	60	15	0.09	0.10	3100	106	0.35	47	18.7
UF12A12 - __ M	120	60	14	0.17	0.19	2750	92	0.28	45	18.7
UF12A23 - __ M	230	60	14	0.08	0.09	2750	92	0.28	45	18.7
UF12A12 - __ L	120	60	12	0.15	0.16	2300	81	0.16	38	18.7
UF12A23 - __ L	230	60	12	0.07	0.08	2300	81	0.16	38	18.7

UF12B Series



Lead Wire

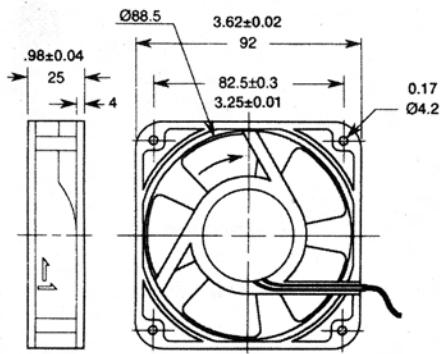


Terminal Type

Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF12B12 - __ H	120	60	13	0.15	0.17	2700	74	0.22	42	11.6
UF12B23 - __ H	230	60	13	0.07	0.08	2700	74	0.22	42	11.6
UF12B12 - __ L	120	60	12	0.13	0.14	2000	53	0.12	33	11.6
UF12B23 - __ L	230	60	12	0.06	0.07	2000	53	0.12	33	11.6

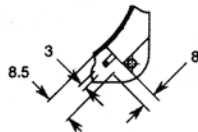


UF92B Series



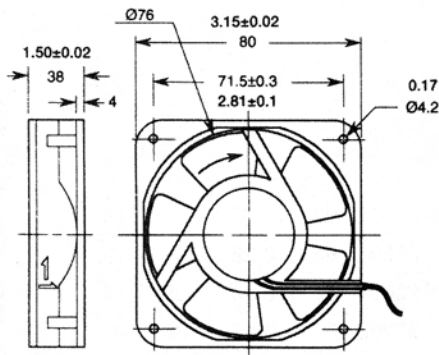
Lead Wire

Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF92B12 - __ H	120	60	13	0.14	0.15	2900	31	0.26	36	10.0
UF92B23 - __ H	230	60	13	0.07	0.08	2900	31	0.26	36	10.0
UF92B12 - __ L	120	60	12	0.12	0.13	2300	25	0.16	32	10.0
UF92B23 - __ L	230	60	12	0.06	0.07	2300	25	0.16	32	10.0



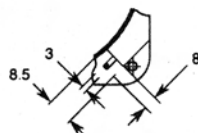
Terminal Type

UF80A Series



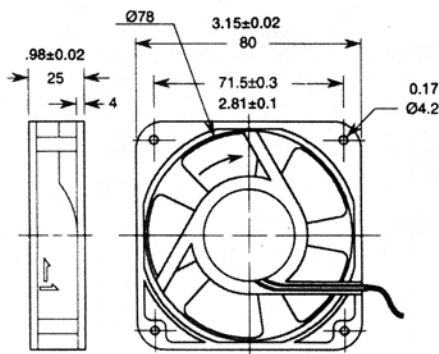
Lead Wire

Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF80A12 - __ H	120	60	10	0.12	0.13	3000	29	0.22	36	10.0
UF80A23 - __ H	230	60	10	0.06	0.07	3000	29	0.22	36	10.0
UF80A12 - __ L	120	60	9	0.11	0.12	2400	25	0.16	32	10.0
UF80A23 - __ L	230	60	9	0.05	0.06	2400	25	0.16	32	10.0



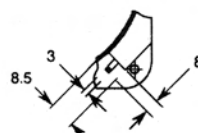
Terminal Type

UF80B Series



Lead Wire

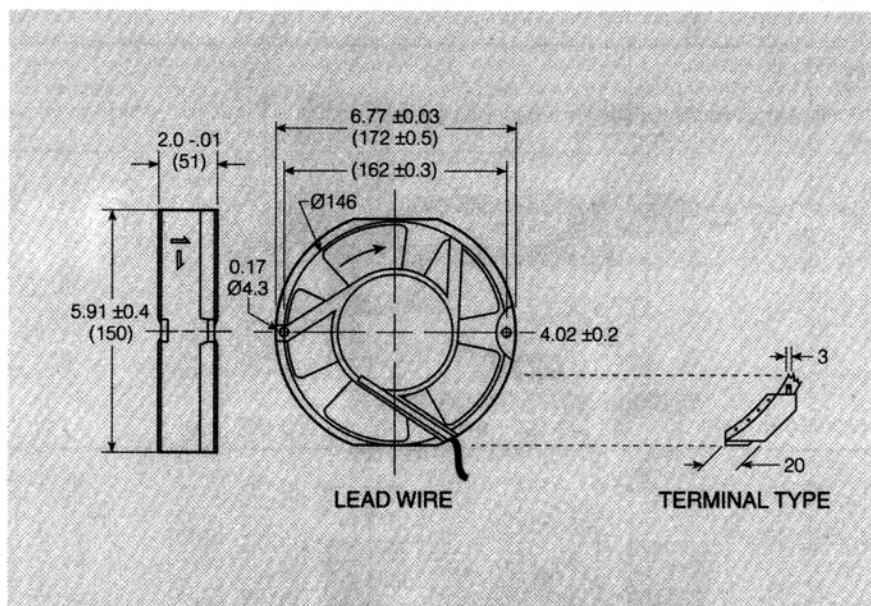
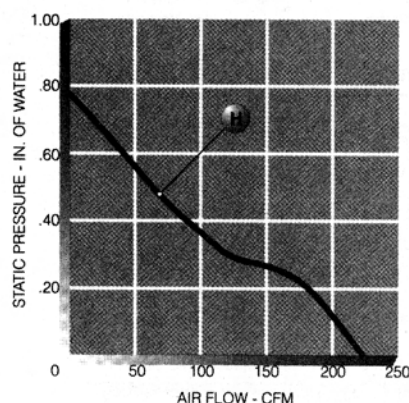
Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF80B12 - __ H	120	60	13	0.14	0.15	3000	24	0.22	35	9.2
UF80B23 - __ H	230	60	13	0.07	0.09	3000	24	0.22	35	9.2
UF80B12 - __ L	120	60	12	0.13	0.14	2400	18	0.14	32	9.2
UF80B23 - __ L	230	60	12	0.06	0.07	2400	18	0.14	32	9.2



Terminal Type

UF15PC Series

UF15PC series features high-performance and exceptional quality at a very competitive price. Strong capacitor start motor generates 225 CFM. Thermal protected. Die-cast aluminum frame acts as a heat sink. UL94V-0 components. Motor quality ball bearings. Choice of terminal or nominal 12.0 inch lead wires.



Model No.	Rated Voltage V	Frequency HZ	Input Power W	Rated Current A	Locked Current A	Speed RPM	Air Volume CFM	Maximum Pressure in H ₂ O	Noise dBA	Weight OZ
UF15PC12- _H	115	60	32	0.30	0.41	3400	225	0.79	58	32
UF15PC23- _H	230	60	29	0.15	0.22	3400	225	0.79	58	32

FAN POWER CORDS

Model #	Plug Style	Cord Length (In.)
07100	Straight	12, 24, 36 thru 80
07145	45°	12, 24, 36 thru 80
07190	90°	12, 24, 36 thru 80
07199	"T"	12, 24, 36 thru 80

Special lengths and Daisy Chain/multiple fan connections available upon request

UL listed, CSA approved

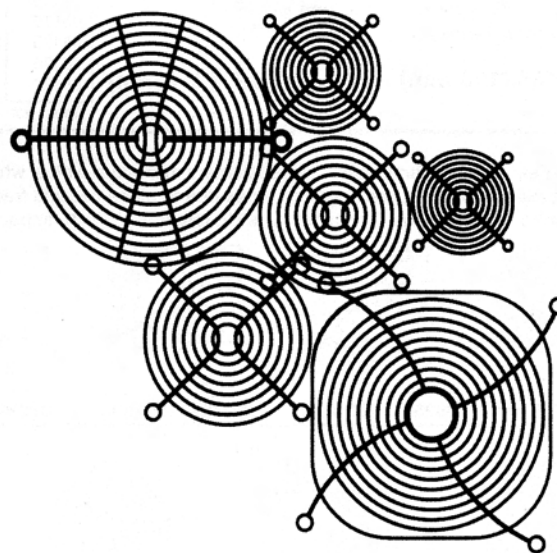
FINGER GUARDS

Basic Model #	Fan O.D.	Centerline Dim. of Mounting Holes
SG-14	1.4 in./40mm	1.26 in./32mm
SG-24	2.4 in./60mm	1.97 in./50mm
SG-31	3.1 in./80mm	2.8 in./71mm
SG-36	3.6 in./92mm	3.25 in./82mm
SG-47	4.7 in./120mm	4.13 in./105mm
SG-59	5.9 in./150mm	6.38 in./162mm

Finish - nickel chrome or black upon request

Meets UL spacing requirements

Plastic guards available in most frame sizes



15
FANS & BLOWERS