MECHATRONICS®

Cooling Simplified

AC / DC FANS & BLOWERS

AC and DC Fans & Blowers

Mechatronics Fan Group has been delivering thermal management solutions to a wide range of applications for over 30 years. Our extensive North American inventory, value-add assembly, technical sales, and design support teams will accelerate your time to market. Mechatronics is a thermal management leader supplying a broad range of standard and custom AC Fans, DC Fans, Blowers, Impellers and accessories. Mechatronics provides the right solution on time with quality product to help our customers meet their goals.

TOC

MECHATRONICS®

Cooling Simplified

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Value Add

(see page 60)

Experience | Flexibility | Quality | Timely

DC AXIAL FANS

DC AXIAL PART NUMBERING SYSTEM 2

MA2506	(25 x 25 x 6.1 mm)	0.98 x 0.98 x 0.24 in.	3
MA3010	(30 x 30 x 10 mm)	1.18 x 1.18 x 0.39 in.	3
MA3828	(38 x 38 x 28 mm)	1.50 x 1.50 x 1.10 in.	4
G4010	(40 x 40 x 10.3 mm)	1.57 x 1.57 x 0.41 in.	4
G4015	(40 x 40 x 15 mm)	1.57 x 1.57 x 0.59 in.	5
G4020	(40 x 40 x 20 mm)	1.57 x 1.57 x 0.79 in.	5
MD4028	(40 x 40 x 28 mm)	1.57 x 1.57 x 1.10 in.	6
M5010	(50 x 50 x 10 mm)	1.97 x 1.97 x 0.39 in.	6
G5015	(50 x 50 x 15 mm)	1.97 x 1.97 x 0.59 in.	7
M5210	(52 x 52 x 10 mm)	2.04 x 2.04 x 0.39 in.	7
MB6010	(60 x 60 x 10 mm)	2.36 x 2.36 x 0.39 in.	8
G6015-G	(60 x 60 x 15 mm)	2.36 x 2.36 x 0.60 in.	8
MD6020	(60 x 60 x 20 mm)	2.36 x 2.36 x 0.79 in.	9
F6025-H	(60 x 60 x 25 mm)	2.36 x 2.36 x 0.98 in.	9
ME6038	(60 x 60 x 38 mm)	2.36 x 2.36 x 1.50 in.	10
MQ6038	(60 x 60 x 38 mm)	2.36 x 2.36 x 1.50 in.	10
G8015-G	(80 x 80 x 15 mm)	3.15 x 3.15 x 0.59 in.	11
G8020	(80 x 80 x 20 mm)	3.15 x 3.15 x 0.79 in.	11
F8025-H	(80 x 80 x 25 mm)	3.15 x 3.15 x 0.98 in.	12
G8032	(80 x 80 x 32 mm)	3.15 x 3.15 x 1.26 in.	12
MC8038	(80 x 80 x 38 mm)	3.15 x 3.15 x 1.50 in.	13
MQ8038	(80 x 80 x 38 mm)	3.15 x 3.15 x 1.50 in.	13
E9225	(92 x 92 x 25 mm)	3.62 x 3.62 x 0.98 in.	14
G9225-G	(92 x 92 x 25 mm)	3.62 x 3.62 x 0.98 in.	14
G9232	(92 x 92 x 32 mm)	3.62 x 3.62 x 1.24 in.	15
MD9238	(92 x 92 x 38 mm)	3.62 x 3.62 x 1.50 in.	15
E1225	(120 x 120 x 25 mm)	4.72 x 4.72 x 0.98 in.	16
G1225	(120 x 120 x 25 mm)	4.72 x 4.72 x 0.98 in.	16
G1238	(120 x 120 x 38 mm)	4.69 x 4.69 x 1.50 in.	17
MD1238	(120 x 120 x 38 mm)	4.72 x 4.72 x 1.50 in.	17
MQ1238	(120 x 120 x 38 mm)	4.72 x 4.72 x 1.50 in.	18
G1338	(127 x127 x 38 mm)	5.0 x 5.0 x 1.50 in.	18
MA1751	(172 x 150 x 50.8 mm)	6.77 x 5.91 x 2.0 in.	19
MM1865	(180 x 180 x 65 mm)	7.09 x 7.09 x 2.56 in.	19
MM2072	(208 x 208 x 72 mm)	8.19 x 8.19 x 2.83 in.	20
MM2260	(222 dia. x 60 mm)	8.74 dia. x 1.50 in.	20
MM2280	(222 dia. x 80 mm)	8.74 dia. x 3.15 in.	21
MM2589	(255 dia. x 89 mm)	10.04 dia. x 3.50 in.	21
MM22580H	(225 x 225 x 80 mm)	8.86 x 8.86 x 3.15 in.	22
MM28080H	(280 x 280 x 80 mm)	11.02 x 11.02 x 3.15 in.	22

DC BLOWERS

B5015	(51 x 51 x 15 mm)	2.01 x 2.01 x .62 in.	23
B6025	(60 x 60x 25 mm)	2.36 x 2.36 x 0.98 in.	23
B7530	(76 x 76 x 30 mm)	2.98 x 2.98 x 1.18 in.	24
MXB9733	(97 x 94.4 x 33 mm)	3.82 x 3.72 x 1.30 in.	24
B1232	(120 x 120 x 32 mm)	4.70 x 4.70 x 1.24 in.	25
B1232-SR	(125 x 125x 33.5 mm)	4.92 x 4.92 x 1.32 in.	25

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AC AXIAL FANS

AC AXIAL PART NUMBERING SYSTEM 27

UF60D	(60 x 60 x 30 mm)	2.36 x 2.36 x 1.18 in.	28
UF80B	(80 x 80 x 25 mm)	3.15 x 3.15 x 0.98 in.	28
UF80A	(80 x 80 x 38 mm)	3.15 x 3.15 x 1.50 in.	29
UF92B	(92 x 92 x 25 mm)	3.62 x 3.62 x 0.98 in.	29
UF92A	(92 x 92 x 38 mm)	3.62 x 3.62 x 1.50 in.	30
UF92AM	(92 x 92 x 38 mm)	3.62 x 3.62 x 1.50 in.	30
UF12B	(120 x 120 x 25 mm)	4.69 x 4.69 x 0.98 in.	31
UF12A	(120 x 120 x 38 mm)	4.69 x 4.69 x 1.50 in.	31
UF12AR	(120 x 120 x 38 mm)	4.69 x 4.69 x 1.50 in.	32
UF12AM	(120 x 120 x 38 mm)	4.69 x 4.69 x 1.50 in.	32
UF13A	(127 x 127 x 38 mm)	5.0 x 5.0 x 1.50 in.	33
UF15AC	(172 x 150 x 38 mm)	6.77 x 5.91 x 1.50 in.	33
UF15PC	(172 x 150 x 51 mm)	6.77 x 5.91 x 2.0 in.	34
UF15KC	(172 x 150 x 55 mm)	6.77 x 5.91 x 2.17 in.	34
UF15KM	(172 x 150 x 55 mm)	6.77 x 5.91 x 2.17 in.	35
UF15KMR	(172 x 150 x 55 mm)	6.77 x 5.91 x 2.17 in.	35
UF17PC	(172 dia. x 51 mm)	6.77 dia. x 2.0 in.	36
UF16FC	(160 x 160 x 62 mm)	6.30 x 6.30 x 2.44 in.	36
UF18JC	(180 x 180 x 90 mm)	7.09 x 7.09 x 3.54 in.	37
UF20JC	(205 x 205 x 90 mm)	8.07 x 8.07 x 3.54 in.	37
UF25GC	(254 dia. x 89 mm)	10.0 dia. x 3.50 in.	38
UF25HC	(254 dia. x 107 mm)	10.0 dia. x 4.21 in.	38
UF200BMB-H2	(225 x 225 x 80 mm)	8.86 x 8.86 x 3.15 in.	39
UF250BMB-H1	(280 x 280 x 80 mm)	11.0 x 11.0 x 3.15 in.	40
UF300BNA	(398 dia x 98.3 mm)	15.67 dia x 3.87 in.	41

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AC BLOWERS

AC BLOWERS/IMPELLERS PART NUMBERING SYSTEM 43

UF90DPB	(120 x 120 x 37 mm)	4.72 x 4.72 x 1.46 in.	44
UF160DPB	(220 x 220 x 56.2 mm)	8.66 x 8.66 x 2.21 in.	44

AC IMPELLERS

UF133(72)	(133 dia. x 91 mm)	3.62 x 3.62 x 1.5 in.	45
UF133(91)APA	(133 dia. x 91 mm)	5.22 dia. x 3.60 in.	45
UF175AMA	(175 dia x 55 mm)	6.89 dia. x 2.16 in.	46
UF180APA	(182 dia. x 84.9 mm)	7.18 dia. x 3.34 in.	46
UF180(55)APA	(182 dia. x 55 mm)	7.18 dia. x 2.17 in.	47
UF190APA	(190 dia. x 70 mm)	7.48 dia. x 2.75 in.	47
UF190APA-F	(235 dia. x 87.2 mm)	9.25 dia. x 3.43 in.	48
UF220APA	(223 dia. x 71 mm)	8.78 dia. x 2.79 in.	48
UF220APA-F	(259 dia. x 97.8 mm)	10.20 dia. x 3.83 in.	49
UF225(69)APA	(255 dia. x 69 mm)	8.86 dia. x 2.72 in.	49
UF225(85)APA	(225 dia. x 85 mm)	8.86 dia. x 3.35 in.	50
UF225(99)APA	(225 dia. x 99 mm)	8.86 dia. x 3.90 in.	50
UF225(99)APA-F	(259 dia. x 117 mm)	10.20 dia. x 4.62 in.	51
UF250APA	(251 dia. x 98 mm)	9.90 dia. x 3.86 in.	51
UF250APA-F	(259 dia. x 131 mm)	10.20 dia. x 5.15 in.	52
UF318AAA	(318 dia. x 154 mm)	12.5 dia. x 6.08 in.	52
UF360AAA	(360 dia. x 167.3 mm)	14.17 dia. x 6.59 in.	53
UF400AAA	(400 dia. x 162.4 mm)	15.75 dia. x 6.39 in.	53

AC ENGINEERING 54

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VALUE ADD

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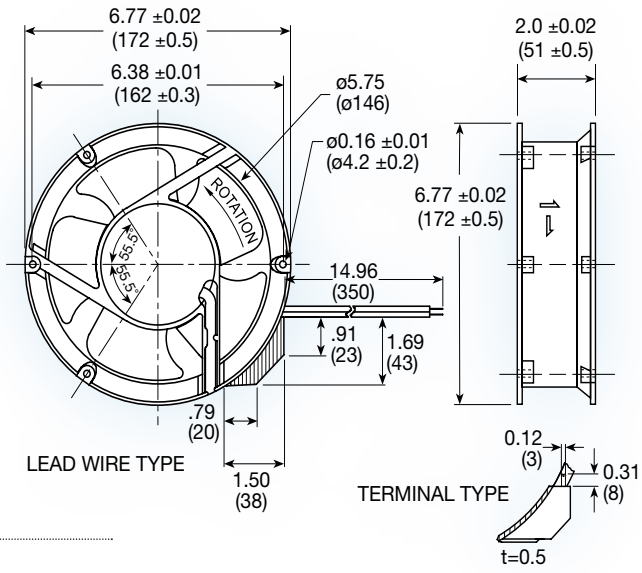
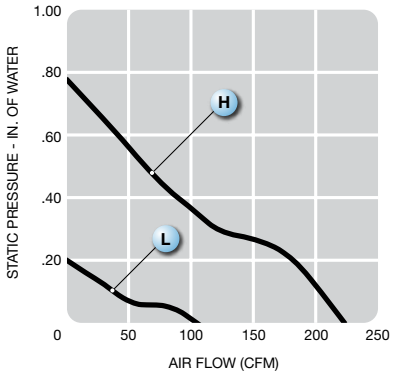
UF17PC series



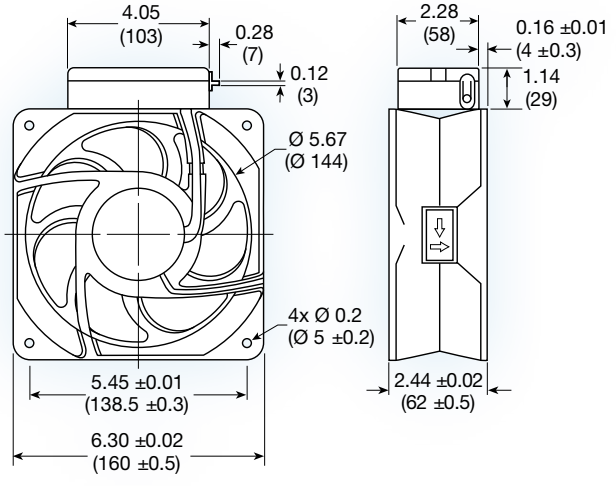


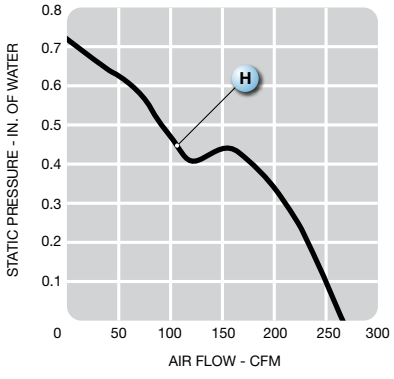
(172 dia. x 51 mm)
6.77 dia. x 2.0 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame; UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor
Air Flow:	exhaust over struts
Connection:	terminal or 22 AWG lead wire
Protection:	thermal
Option:	IP55; IP55 + salt fog

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF17PC12 -__H	115	60	31	0.25	0.43	3,400	6.4	226	20	0.79	55	0.82
UF17PC23 -__H	230	60	29	0.12	0.19	3,400	6.4	226	20	0.79	55	0.82
UF17PC12 -__L	115	60	31	0.15	0.20	1,700	3.0	106	5.5	0.22	37	0.82
UF17PC23 -__L	230	60	29	0.07	0.09	1,700	3.0	106	5.5	0.22	37	0.82

UF16FC series



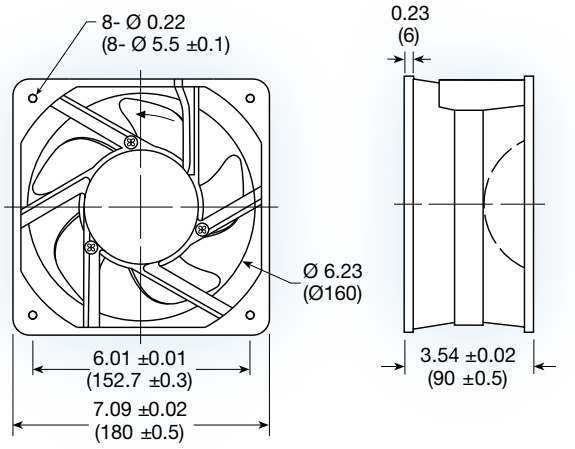


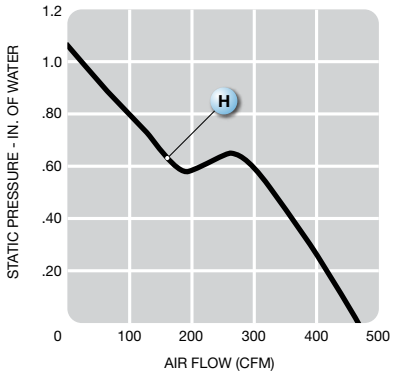
(160 x 160 x 62 mm)
6.30 x 6.30 x 2.44 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame; UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor
Air Flow:	exhaust over struts
Connection:	terminal
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF16FC12 -__H	115	60	41	0.34	0.79	3,400	7.5	265	18.2	0.72	56	1.33
UF16FC23 -__H	230	60	41	0.17	0.41	3,400	7.5	265	18.2	0.72	56	1.33

UF18JC-4 series





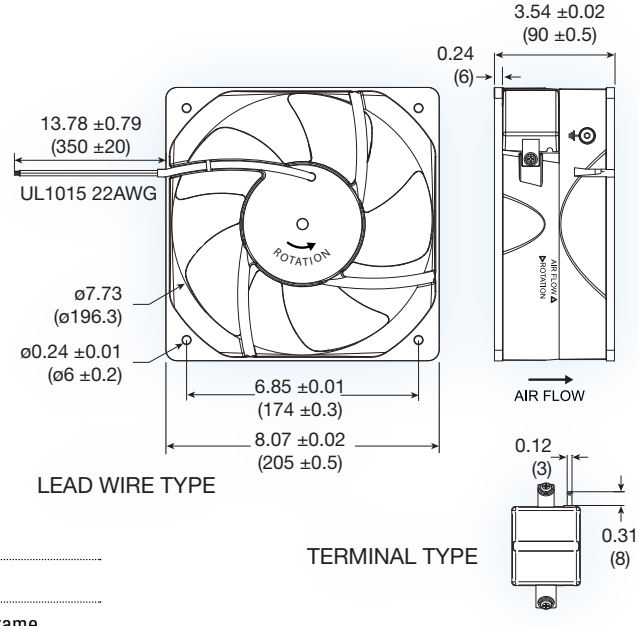
(180 x 180 x 90 mm)

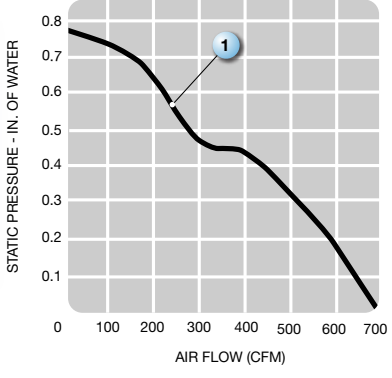
7.09 x 7.09 x 3.54 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame; UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor
Air Flow:	exhaust over struts
Connection:	terminal or 22 AWG lead wires
Protection:	thermal
Option:	dual voltage 115/130VAC

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF18JC12 -__H	115	60	72	0.63	2.01	3,400	13	460	27	1.06	59	2.20
UF18JC23 -__H	230	60	72	0.31	1.01	3,400	13	460	27	1.06	59	2.20

UF20JC series





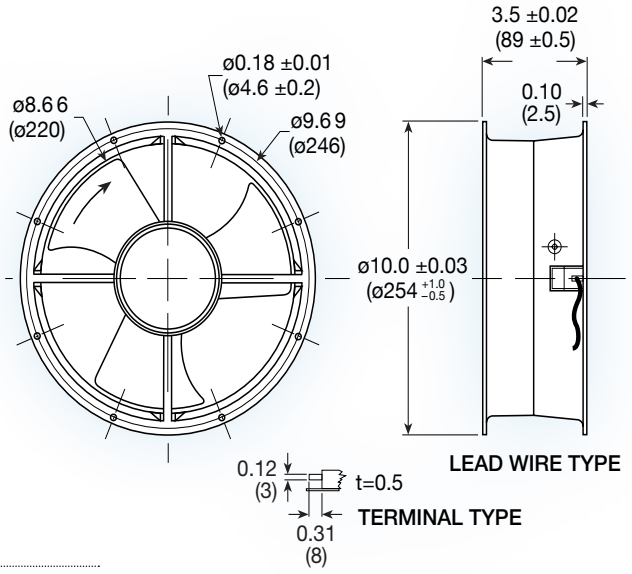
(205 x 205 x 90 mm)

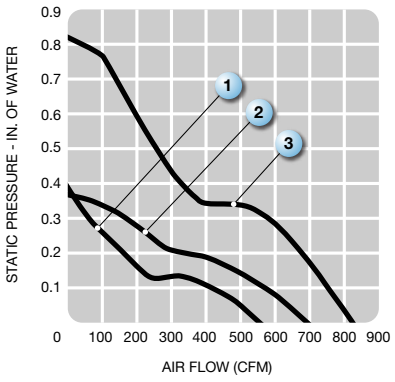
8.07 x 8.07 x 3.54 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame, UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	shaded pole
Air Flow:	exhaust over struts
Connection:	terminal or 22 AWG lead wire

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF20JC12 - H	115	60	98	0.90	1.22	3,200	19.3	680	19.8	0.77	71	2.40
UF20JC23 - H	230	60	98	0.45	0.61	3,200	19.3	680	19.8	0.77	71	2.40

UF25GC series



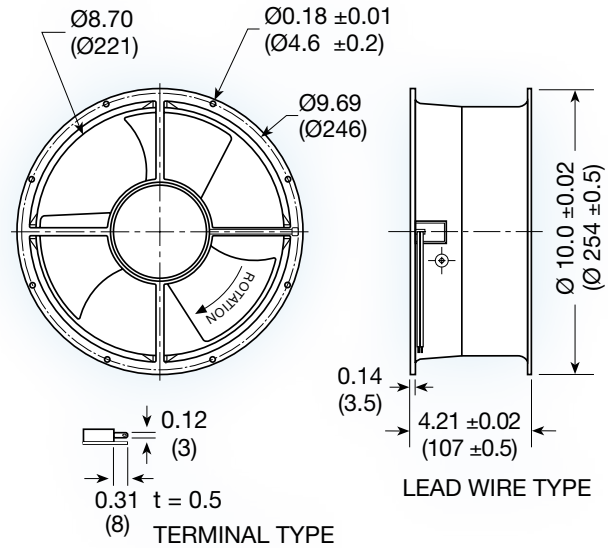


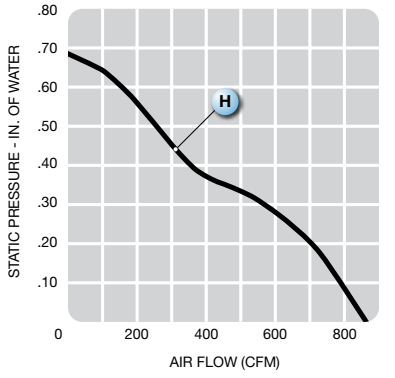
(254 dia. x 89 mm)
10.0 dia. x 3.5 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame; UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor
Air Flow:	exhaust over struts
Connection:	terminal or 22 AWG lead wires
Protection:	thermal
Option:	dual voltage 115/130VAC

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight	Curve
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg	
UF25GC12-__H	115	60	33	0.29	0.51	1,650	15.5	550	10	0.40	55	1.90	1
UF25GC23-__H	230	60	33	0.14	0.25	1,650	15.5	550	10	0.40	55	1.90	1
UF25GCA12-__H	115	60	75	0.66	0.70	2,600	19.3	680	9.4	0.37	62	1.90	2
UF25GCA23-__H	230	60	75	0.35	0.36	2,600	19.3	680	9.4	0.37	62	1.90	2
UF25GCB12-__H	115	60	96	0.88	1.16	3200	23.0	812	20.7	0.82	65	2.30	3
UF25GCB23-__H	230	60	98	0.45	0.60	3200	23.0	812	20.7	0.82	65	2.30	3

UF25HC series



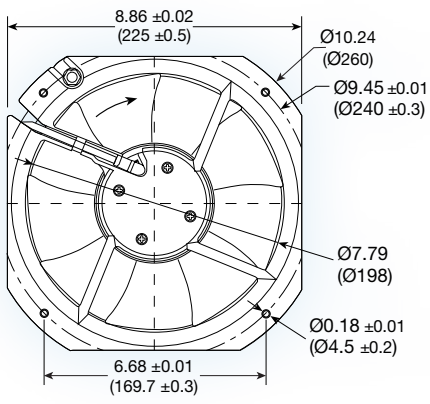


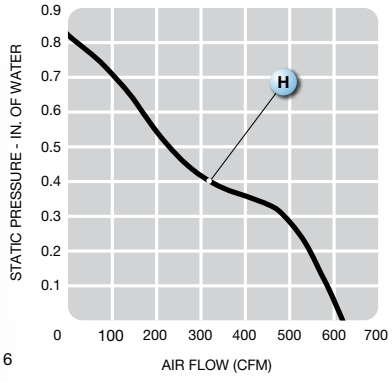
(254 dia. x 107 mm)
10.0 dia. x 4.21 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast frame; UL94V-0 PBT impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor
Air Flow:	exhaust over struts
Connection:	terminal or 22 AWG lead wire
Protection:	thermal
Option:	dual voltage 115/130VAC

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF25HC12-__H	115	60	125	1.07	1.50	2,750	24	850	17.5	0.68	65	2.50
UF25HC23-__H	230	60	125	0.50	0.75	2,750	24	850	17.5	0.68	65	2.50

UF200BMB-H2 series





(225 x 225 x 80 mm)

8.86 x 8.86 x 3.15 inches

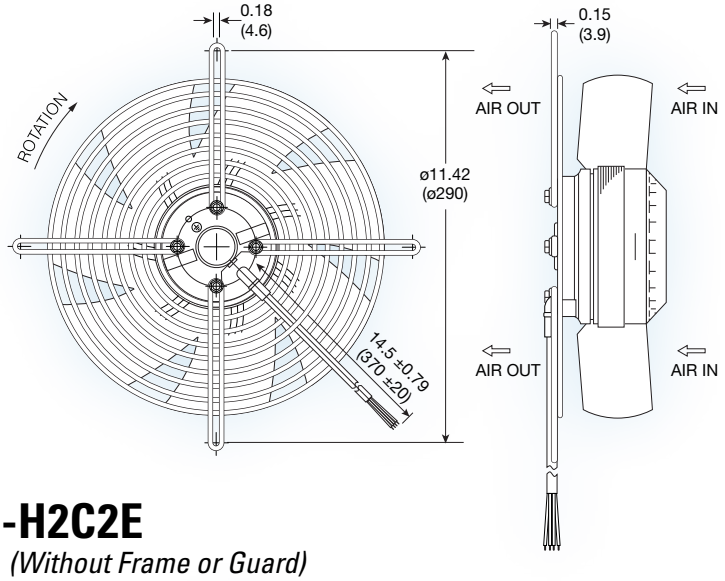
Features:	**-20° ~ 70°C operating temperature range**
Operating voltage:	115 or 230 VAC
Construction:	metal frame and impeller
Bearing option:	ball bearing with high temp lubricant
Motor:	permanent split capacitor - Class F insulation
Air Flow:	exhaust over struts
Connection:	terminal
Protection:	thermal

See page 43 for part system

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF200BMB12-H2	115	60	100	0.88	1.31	3,000	17.7	625	20.5	0.81	61	1.40
UF200BMB23-H2	230	60	80	0.37	0.61	3,000	17.7	625	20.5	0.81	61	1.40

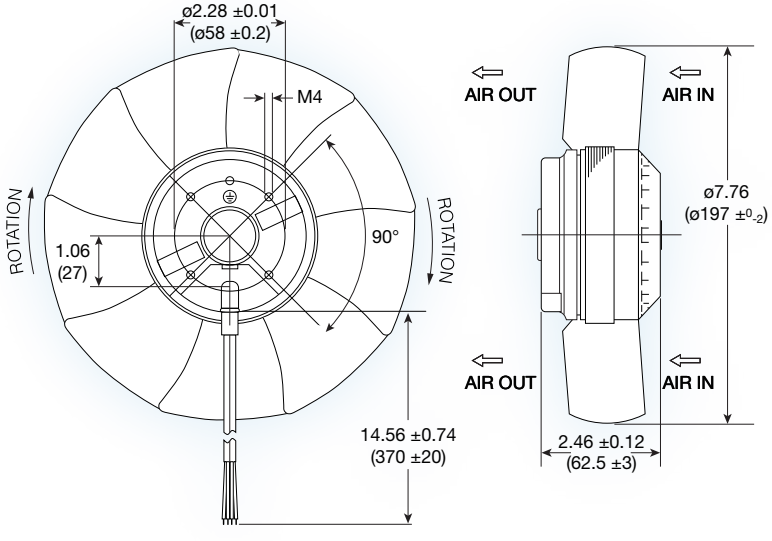
-H2C2B

(With Guard/No Frame)

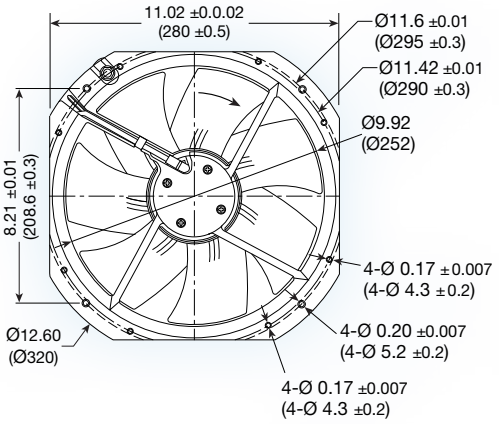


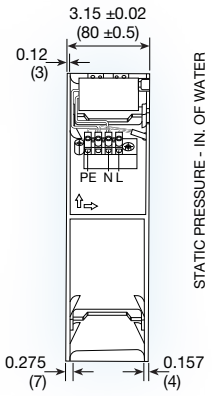
-H2C2E

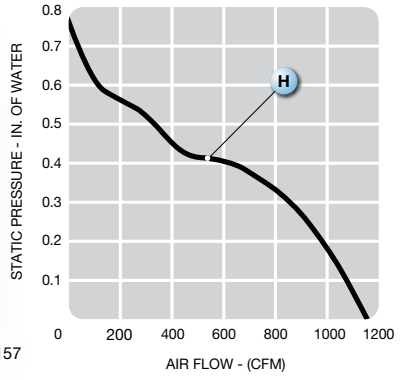
(Without Frame or Guard)



UF250BMB-H1 series







(280 x 280 x 80 mm)

11.02 x 11.02 x 3.15 inches

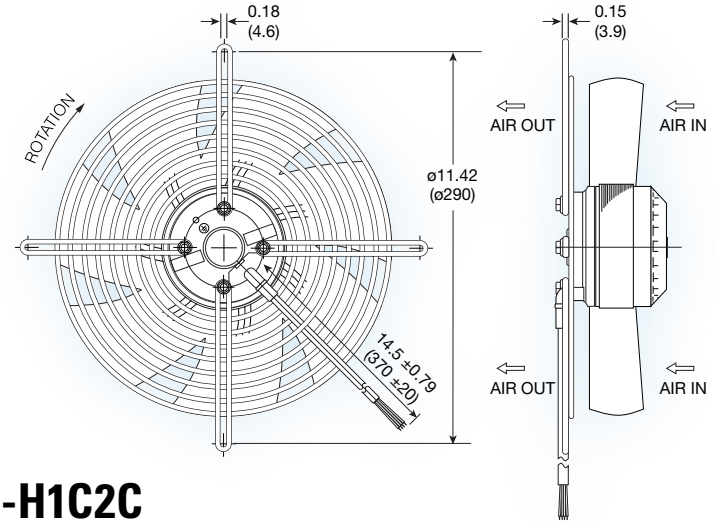
Features:	**-20° ~ 70°C operating temperature range**
Operating voltage:	115 or 230 VAC
Construction:	metal frame and impeller
Bearing option:	ball bearing with high temp lubricant
Motor:	permanent split capacitor - Class F insulation
Air Flow:	exhaust over struts
Connection:	terminal
Protection:	thermal

See page 43 for part system

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_20)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF250BMB12-H1	115	60	148	1.50	1.90	2,700	32	1130	20	0.78	70	2.80
UF250BMB23-H1	230	60	158	0.82	0.91	2,700	32	1130	20	0.78	70	2.80

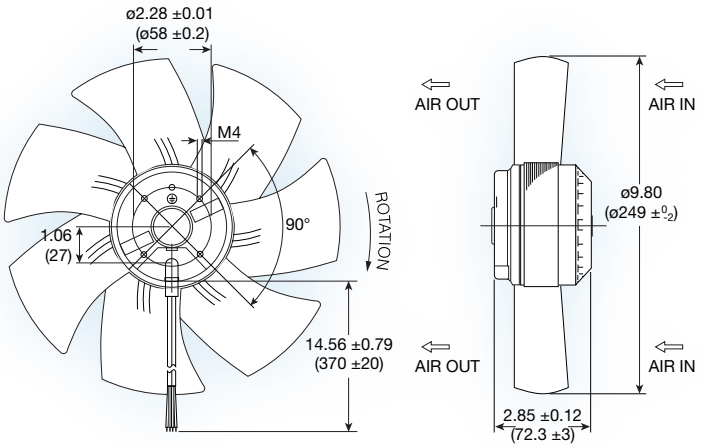
-H1C2B

(With Guard/No Frame)

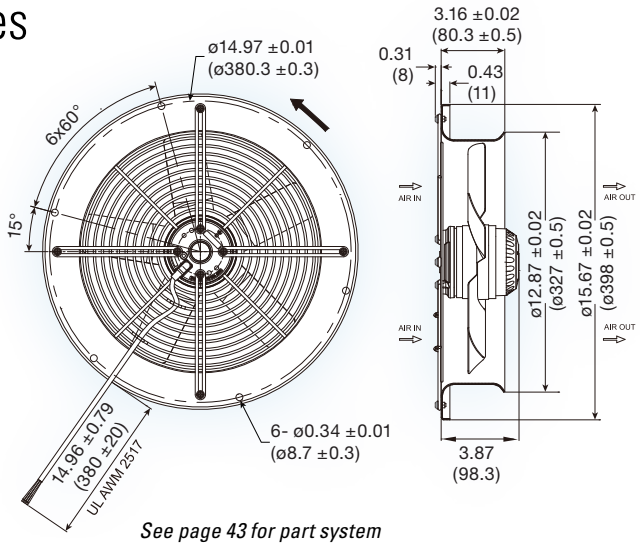


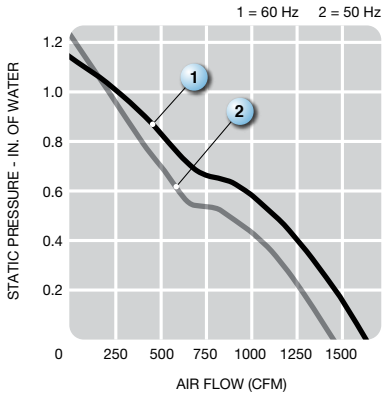
-H1C2C

(Without Frame or Guard)



UF300BNA series





(398 dia. x 98.3 mm)
15.67 dia. x 3.87 inches

Features:	**forward curved impeller**
Operating voltage:	**115 or 230 VAC**
Construction:	**aluminum die cast motor base, steel frame and impeller**
Bearing option:	**ball bearing**
Motor:	**permanent split capacitor**
Air Flow:	**axial**
Connection:	**AWM 2517 lead wires**

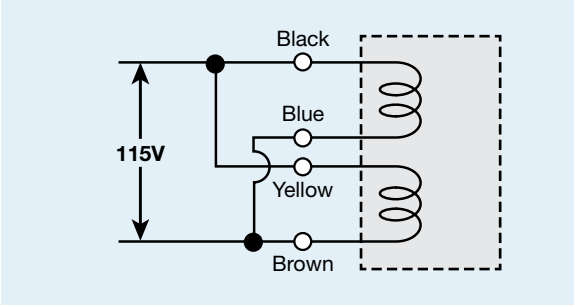
See page 43 for part system

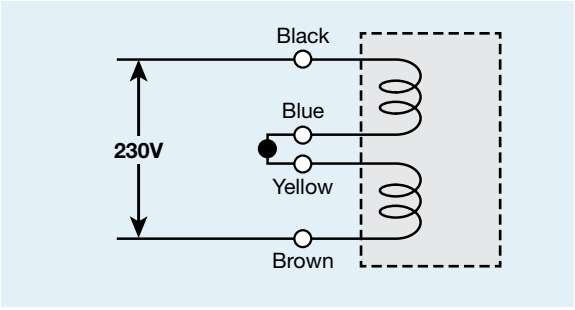
Model No.	Rated Voltage V	Freq. HZ	Input Power W	Rated Cur. A	Locked Cur. A	Speed RPM	Air Volume		Max. Static Pressure (H_2O)		Sound Noise dbA	Weight kg
							M^3/Min.	CFM	MM	INCH		
UF300BNA12-H1C2A	115	50	150	1.60	3.15	2,650	40.6	1435	31	1.2	75	4.5
	115	60	200	2.40	3.10	2,950	45.7	1615	29	1.1	78	4.5
UF300BNA23-H1C2A	230	50	150	0.90	1.60	2,650	40.6	1435	31	1.2	75	4.5
	230	60	200	1.20	1.56	2,950	45.7	1615	29	1.1	78	4.5

Engineering

FAN OPTIONS

Dual Voltage: Many Mechatronics AC axial fans and impellers are available in a 115/230VAC dual voltage package. These models are manufactured for either 115VAC or 230VAC operation. Each fan includes 4 unique colored lead wires. Fans can be hooked up for 115VAC or 230VAC by following the wiring diagram included on each fan.





Environmental Protection: Mechatronics AC axial fans are available with optional environmental protection ranging from light coating to full encapsulation. Available options vary by model.

Conformal Coating - Fan motor windings are treated with a thin coating prior to installation into the fan frame. Conformal coating is designed for light moisture exposure such as condensation.

Encapsulated Motor - Fan motor windings are sealed with potting material to prevent water and dust ingress. Encapsulation is designed for direct water exposure and has been tested to meet IP55 requirements.

Encapsulation + Salt Fog Protection - Fan motor windings are sealed with potting material to prevent water and dust ingress. Supplemental coating is added over all exposed areas of the fan motor to prevent corrosion from salt exposure.

Multiple Speed: Some Mechatronics AC axial fans and impellers are available with 2 speed options in the same unit. Each model is supplied with 3 lead wires. Black and blue wires are used for low speed operation. Black and brown wires are used for high speed operation.

DC Alarm Output: Some Mechatronics AC fans are available with a DC alarm signal. These options include tachometer and locked rotor output.

GENERAL SPECIFICATIONS*

Construction	Aluminum die-cast frame
Features	Thermoplastic UL94V-0 or metal impeller
Bearing Option	High precision chrome steel ball bearings or bronze sintered sleeve
Connection	Terminal or 22 AWG lead wire power connection
Protection	Impedance or thermal protection
Operating Temperature Range	- Ball Bearing -40°C ~ 70°C - Sleeve Bearing -20°C ~ 70°C
Dielectric Strength	AC 1500V (50/60Hz) for one minute
Insulation	Class B (unless otherwise noted)
Safety Agency Approvals	UL, cUL File E137077 - TUV - CE
Life Expectancy (L10)	60,000hrs @ 40° C

** Actual specifications, tolerances and safety agency approvals vary by model. Consult Mechatronics for individual specifications.*

AC
BLOWERS & IMPELLERS

[PART NUMBERING SYSTEM]

UF 220 A P A 12 - H1 C 2 A

AC SERIES

SIZE (mm)

Impeller/External Rotor

133 ..... 133mm dia
175 ..... 175mm dia
180 ..... 180mm dia
190 ..... 190mm dia
200 ..... 200mm dia
220 ..... 220mm dia
225(xx)..... 225mm dia x (69, 85 or 99)
250 ..... 250mm dia
300 ..... 300mm dia
318 ..... 318mm dia
360 ..... 360mmdia
400 ..... 400mm dia

Blower

90 ..... 120mm x 37mm
160 ..... 220mm x 56mm

TYPE

A ..... Centrifugal
B ..... Axial
D ..... Blower

IMPELLER MATERIAL

A ..... Aluminum
M ..... Steel
P ..... Plastic

IMPELLER DESIGN

A ..... Backward curved, single air intake
B ..... Forward curved, single air intake
C ..... Forward curved, dual air intake

CUSTOM FEATURES

A ..... Standard with Frame
B ..... With Guard/No Frame
E ..... Without Frame or Guard

POLES

2 ..... 2 Pole
4 ..... 4 Pole
6 ..... 6 Pole

MOTOR TYPE

A ..... 3 Phase
C ..... Permanent Split Capacitor
S ..... Shaded Pole
D..... Single Phase EC Motor

SPEED

H1, H2, ... High
M1, M2,.... Medium
L1, L2, ... Low

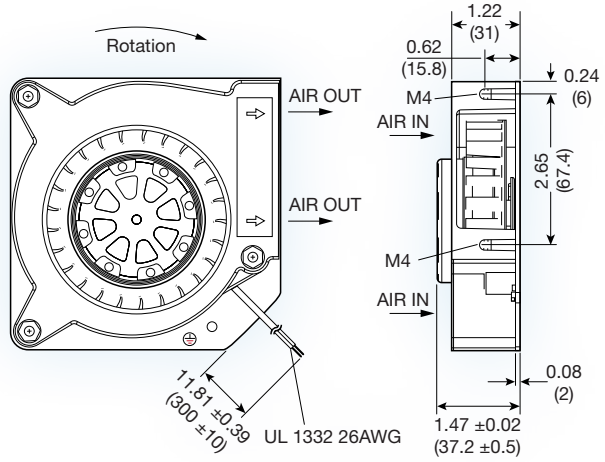
VOLTAGE

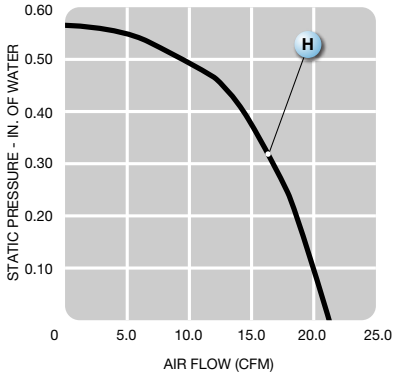
12 ..... 115V
23 ..... 230V
38 ..... 380V

TOC

Cooling Simplified

UF90DPB series





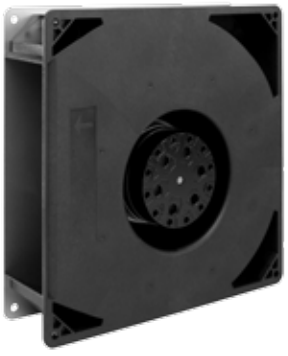
(120 x 120 x 37 mm)

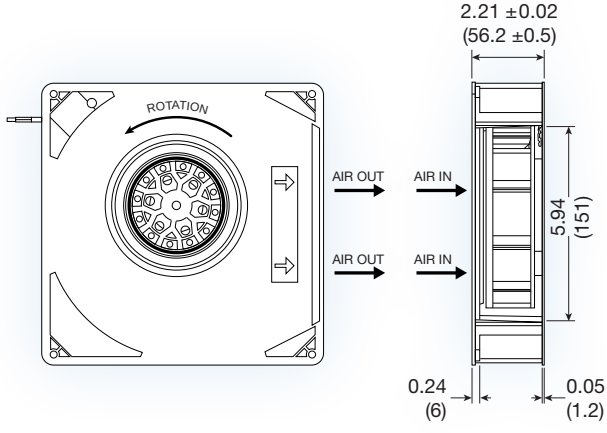
4.72 x 4.72 x 1.46 inches

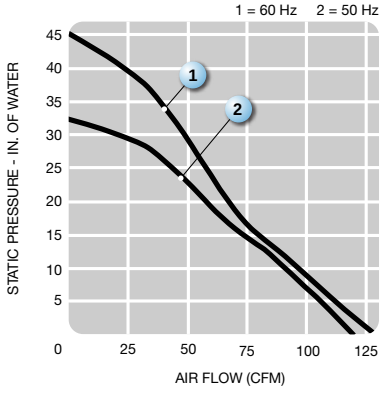
Features:	single inlet blower
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 60°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	shaded pole
Air Flow:	centrifugal
Connection:	UL1332 26AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF90DPB12-H1S2A	115	60	18	0.21	0.26	2,700	0.60	21	13	0.50	51	0.66
UF90DPB23-H1S2A	230	60	18	0.10	0.12	2,700	0.60	21	13	0.50	51	0.66

UF160DPB series







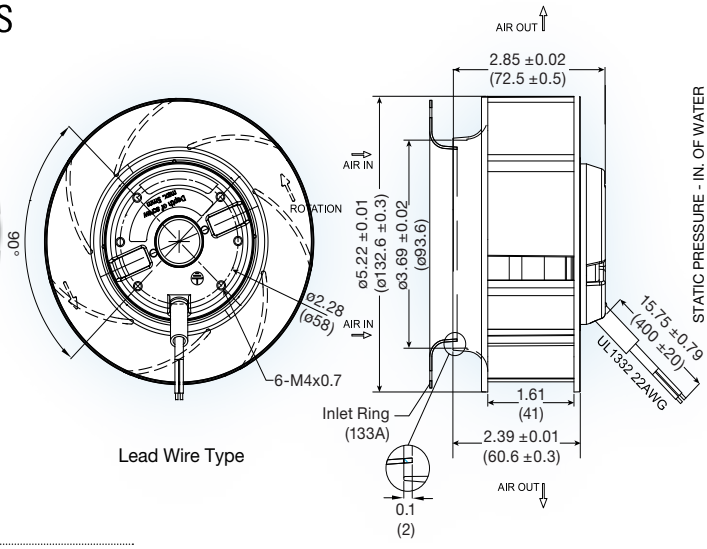
(220 x 220 x 56.2 mm)

8.66 x 8.66 x 2.21 inches

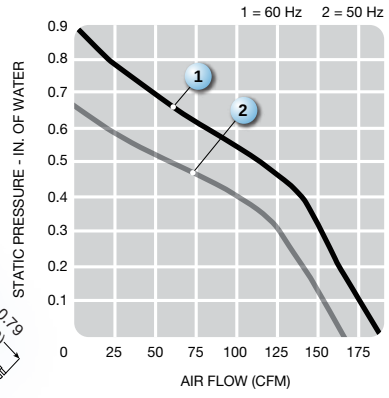
Features:	high pressure blower
Operating voltage:	115 or 230 VAC
Construction:	metal motor base, UL94V-0 plastic frame and impeller
Bearing option:	ball bearing
Motor:	shaded pole
Air Flow:	side exhaust blower
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF160DPB12-H1S2A	115	50	50	0.70	0.94	2,700	3.3	118	32.5	1.3	63	1.73
		60	52	0.60	0.80	2,900	3.6	126	45.0	1.8	65	1.73
UF160DPB23-H1S2A	230	50	50	0.40	0.46	2,700	3.3	118	32.5	1.3	63	1.73
		60	53	0.30	0.40	2,900	3.6	126	45.0	1.8	65	1.73

UF133(72) series



Lead Wire Type



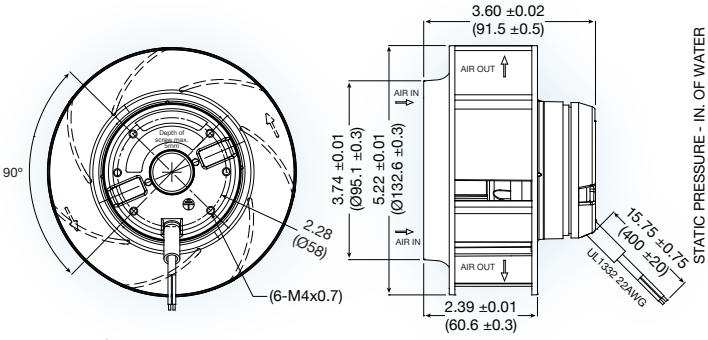
(133 dia. x 72.5 mm)

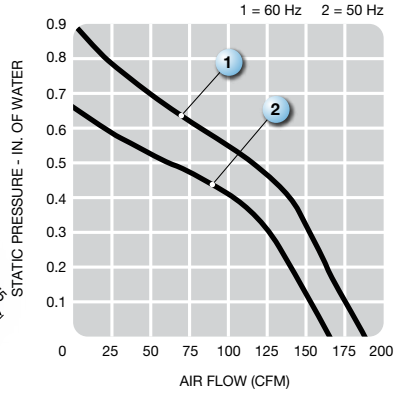
5.22 dia. x 2.85 inches

Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	shaded pole
Air Flow:	centrifugal
Connection:	22 AWG lead wire

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF133(72)APA12-H1S2A	115	50	42	0.50	0.83	2,780	4.66	165	16.6	0.65	50	0.9
	115	60	41	0.43	0.72	3,200	5.33	188	22.4	0.88	60	0.9
UF133(72)APA23-H1S2A	230	50	40	0.24	0.39	2,780	4.66	165	16.6	0.65	50	0.9
	230	60	39	0.21	0.34	3,200	5.33	188	22.4	0.88	60	0.9

UF133(91)APA series





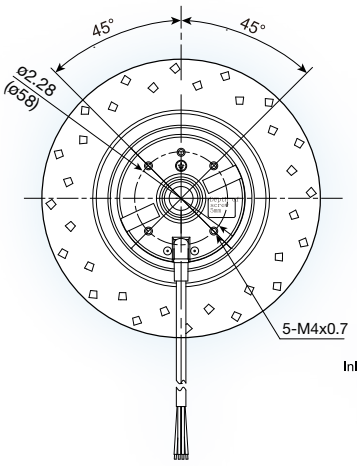
(133 dia. x 91.5 mm)

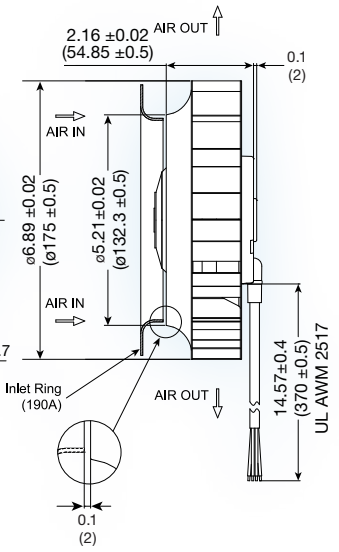
5.22 dia. x 3.60 inches

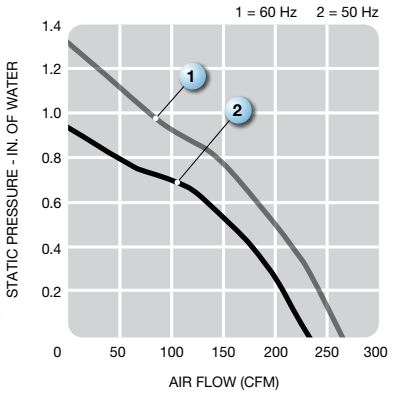
Features:	**backward curved impeller**
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	shaded pole
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF133(91)APA12-H1S2A	115	50	42	0.50	0.83	2,780	4.66	165	16.6	0.65	50	0.9
	115	60	41	0.43	0.72	3,200	5.33	188	22.4	0.88	60	0.9
UF133(91)APA23-H1S2A	230	50	40	0.24	0.39	2,780	4.66	165	16.6	0.65	50	0.9
	230	60	39	0.21	0.34	3,200	5.33	188	22.4	0.88	60	0.9

UF175AMA series







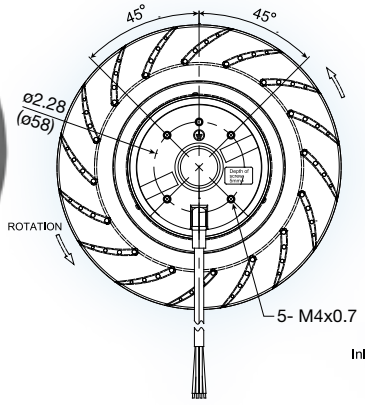
(175 dia. x 55 mm)

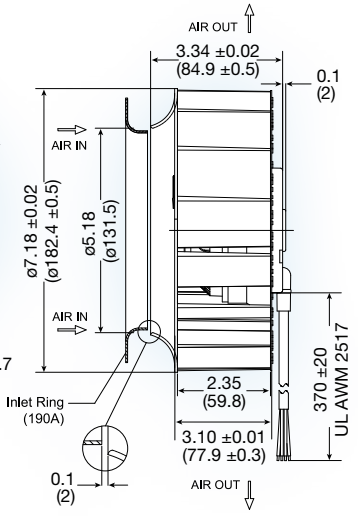
6.89 dia. x 2.16 inches

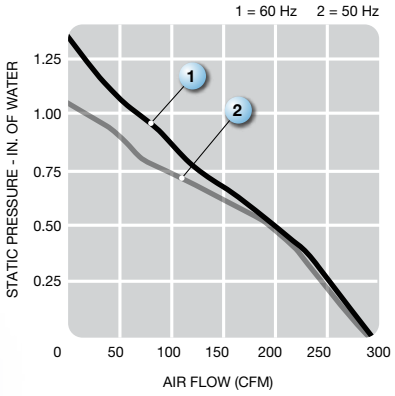
Features:	**backward curved impeller**
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base; steel impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_20)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF175AMA11-H1C2A	115	50	60	0.55	0.82	2,550	6.5	230	23	0.9	66	1.3
	115	60	66	0.55	0.84	2,900	7.5	265	33	1.3	70	1.3
UF175AMA23-H1C2A	230	50	60	0.27	0.41	2,550	6.5	230	23	0.9	66	1.3
	230	60	66	0.28	0.42	2,900	7.5	265	33	1.3	70	1.3

UF180APA series







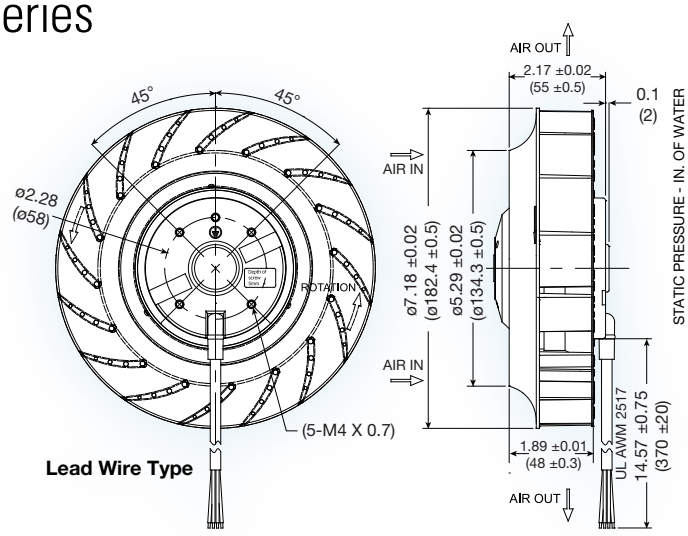
(182.4 dia. x 84.9 mm)

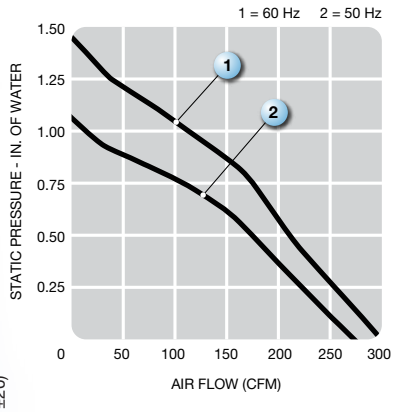
7.18 dia. x 3.34 inches

Features:	**backward curved impeller**
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_20)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF180APA11-H1C2A	115	50	70	0.62	0.86	2,300	8.5	300	25	1.0	63	1.4
	115	60	83	0.75	0.93	2,400	8.5	300	34	1.3	63	1.4
UF180APA23-H1C2A	230	50	70	0.30	0.41	2,300	8.5	300	25	1.0	63	1.4
	230	60	81	0.35	0.44	2,400	8.5	300	34	1.3	63	1.4

UF180(55)APA series





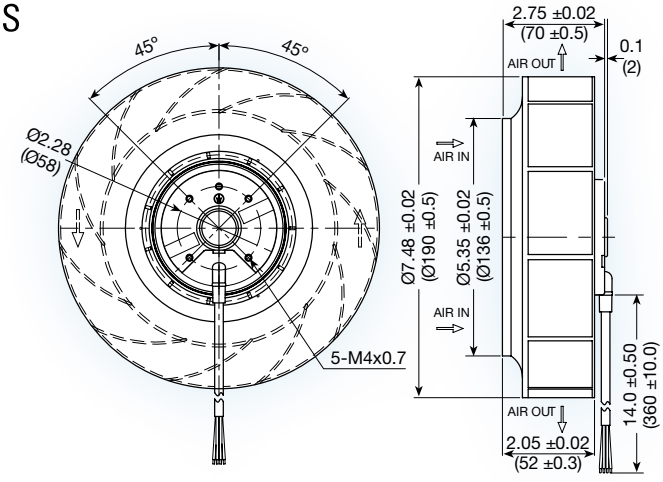
(182 dia. x 55 mm)

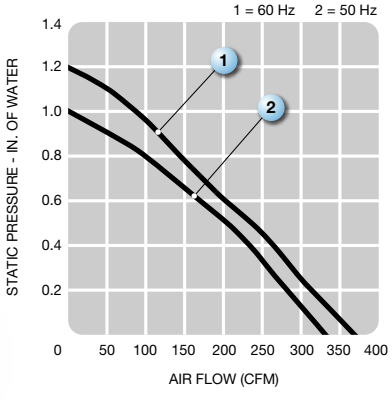
7.18 dia. x 2.17 inches

Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF180(55)APA12-H1C2A	115	50	63	0.60	0.92	2,550	7.5	265	26	1.0	64	1.2
	115	60	78	0.70	0.95	2,800	8.3	290	36	1.4	67	1.2
UF180(55)APA23-H1C2A	230	50	63	0.30	0.46	2,550	7.5	265	26	1.0	64	1.2
	230	60	78	0.34	0.48	2,800	8.3	290	36	1.4	67	1.2

UF190APA series





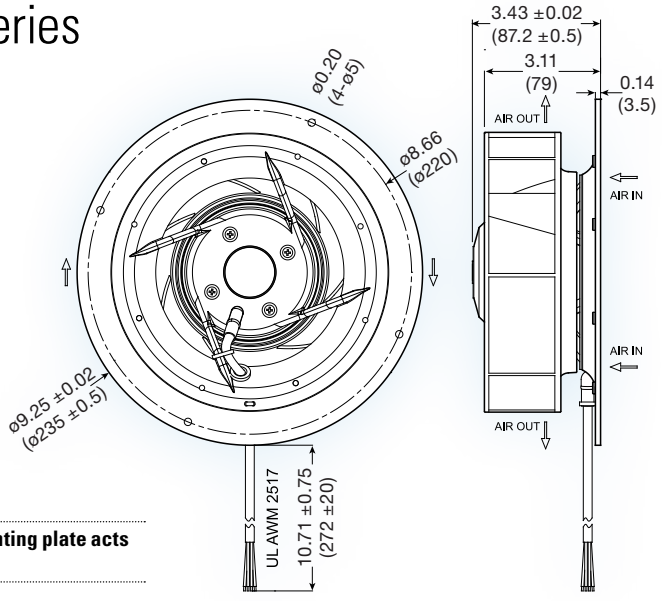
(190 dia. x 70 mm)

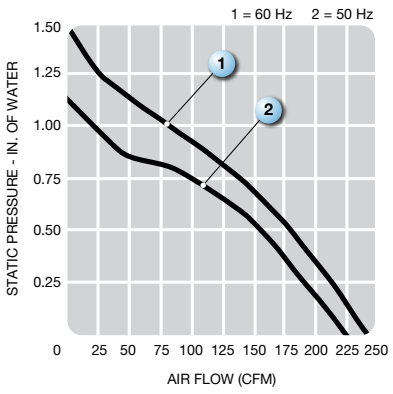
7.48 dia. x 2.75 inches

Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF190APA12-H1C2A	115	50	55	0.45	0.92	2,500	9.5	335	25	1.0	60	1.2
	115	60	65	0.54	0.91	2,700	10.4	370	30	1.2	63	1.2
UF190APA23-H1C2A	230	50	57	0.23	0.43	2,500	9.5	335	25	1.0	60	1.2
	230	60	72	0.30	0.45	2,700	10.4	370	30	1.2	63	1.2

UF190APA-F series





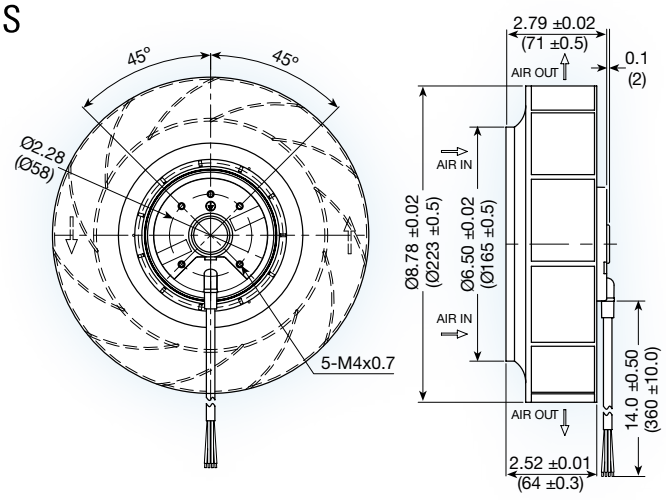
(235 dia. x 87.2 mm)

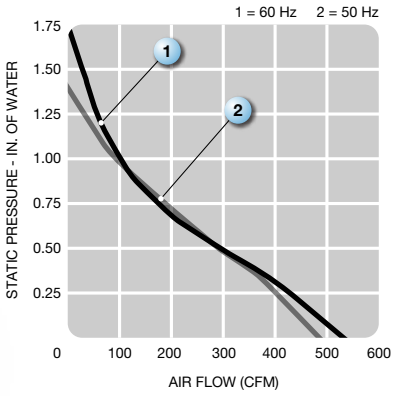
9.25 dia. x 3.43 inches

Features:	integrated mounting plate acts as inlet ring
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF190APA12-H2C2F	115	50	55	0.45	0.92	2,500	6.5	230	29	1.1	60	1.5
	115	60	65	0.54	0.91	2,700	7.0	247	38	1.5	63	1.5
UF190APA23-H2C2F	230	50	57	0.23	0.43	2,500	6.5	230	29	1.1	60	1.5
	230	60	72	0.30	0.45	2,700	7.0	247	38	1.5	63	1.5

UF220APA series





(223 dia. x 71 mm)

8.78 dia. x 2.79 inches

Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal

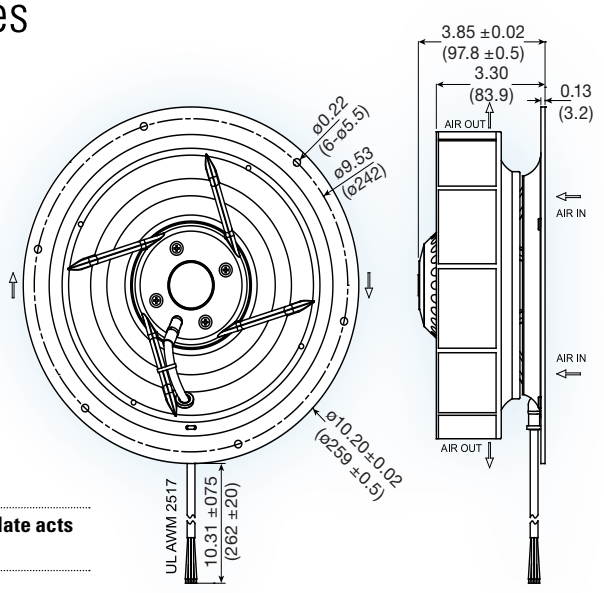
Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF220APA12-H2C2A	115	50	90	0.63	0.88	2,500	14	500	35	1.4	65	1.5
	115	60	117	0.80	0.93	2,650	15	530	38	1.7	70	1.5
UF220APA23-H2C2A	230	50	90	0.35	0.47	2,500	14	500	35	1.4	65	1.5
	230	60	117	0.39	0.49	2,650	15	530	38	1.7	70	1.5

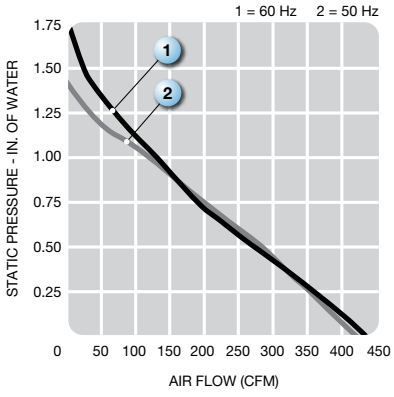
UF220APA-F series

(259 dia. x 97.8 mm)

10.20 dia. x 3.85 inches

Features:	**integrated mounting plate acts as inlet ring**
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	22 AWG lead wires
Protection:	thermal





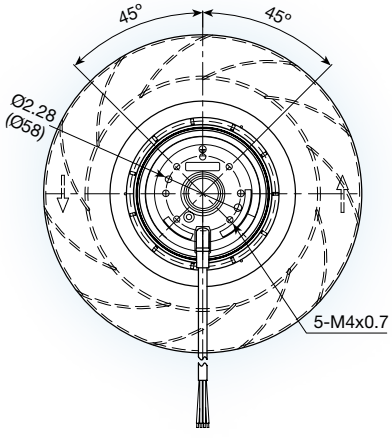
Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF220APA12-H2C2F	115	50	90	0.63	0.88	2,500	12.0	424	36	1.4	64	1.9
	115	60	117	0.80	0.93	2,650	12.3	434	45	1.7	65	1.9
UF220APA23-H2C2F	230	50	90	0.35	0.47	2,500	12.0	424	36	1.4	64	1.9
	230	60	117	0.39	0.49	2,650	12.3	434	45	1.7	65	1.9

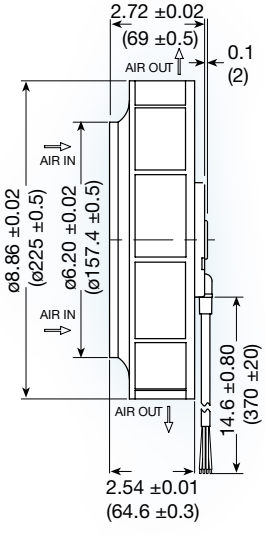
UF225(69)APA series

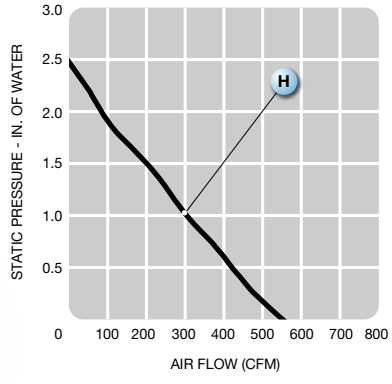
(225 dia. x 69 mm)

8.86 dia. x 2.72 inches

Features:	**backward curved impeller**
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

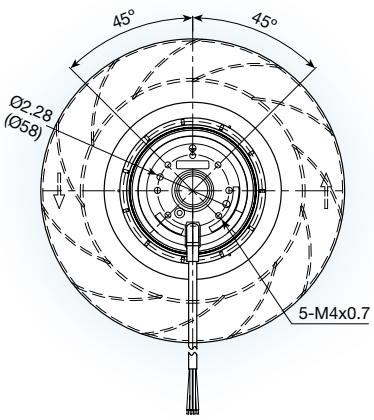


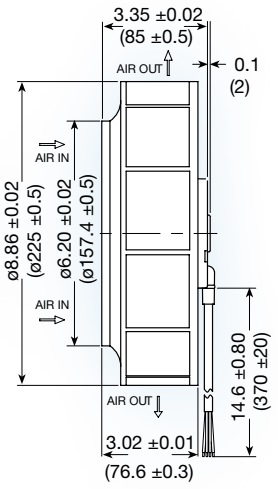


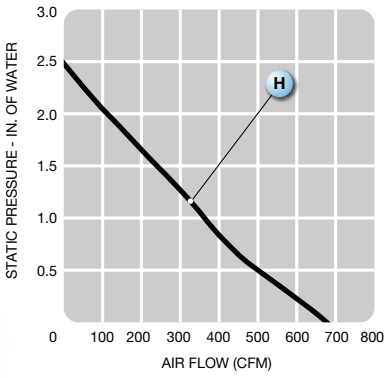


Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF225(69)APA12-H1C2A	115	60	125	1.12	2.30	2,950	15.6	550	58	2.3	72	2.3
UF225(69)APA23-H1C2A	230	60	125	0.56	1.15	2,950	15.6	550	58	2.3	72	2.3

UF225(85)APA series







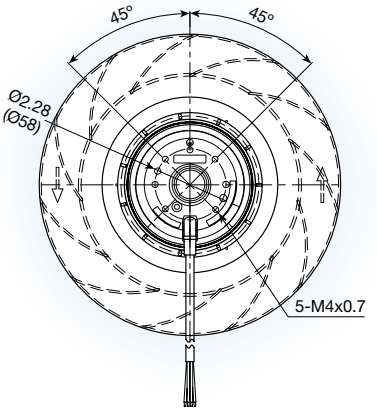
(225 dia. x 85 mm)

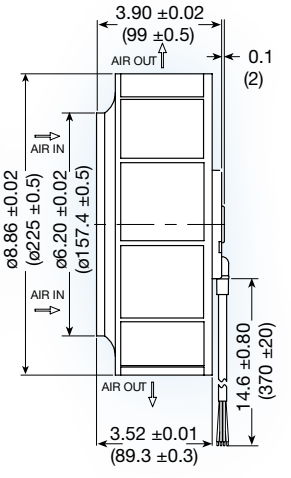
8.86 dia. x 3.35 inches

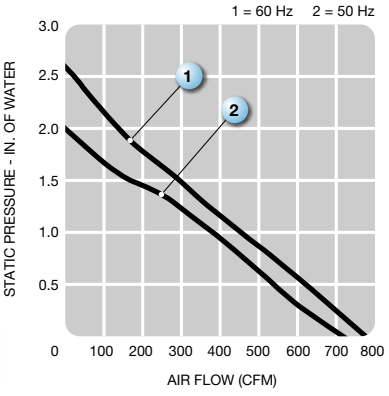
Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF225(85)APA12-H1C2A	115	60	135	1.20	2.30	3,000	19.2	680	64	2.5	75	2.3
UF225(85)APA23-H1C2A	230	60	135	0.60	1.15	3,000	19.2	680	64	2.5	75	2.3

UF225(99)APA series







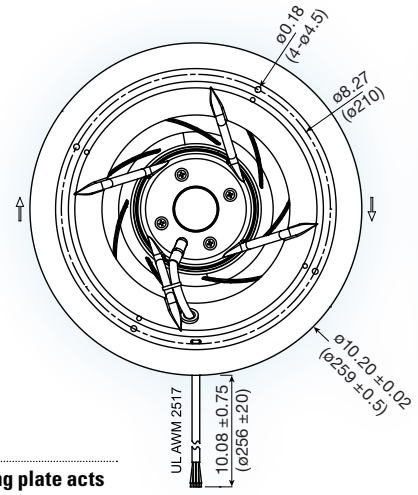
(225 dia. x 99 mm)

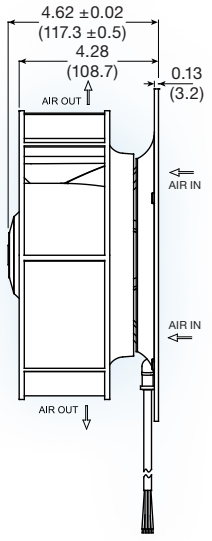
8.86 dia. x 3.90 inches

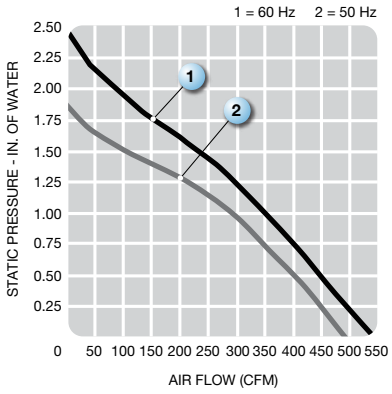
Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF225APA(99)12-H1C2A	115	50	128	1.16	2.22	2,650	20	700	51	2.0	69	2.3
	115	60	160	1.41	2.30	2,950	22	770	66	2.6	71	2.3
UF225APA(99)23-H1C2A	230	50	126	0.57	1.14	2,650	20	700	51	2.0	69	2.3
	230	60	157	0.70	1.15	2,950	22	770	66	2.6	71	2.3

UF225(99)APA-F series







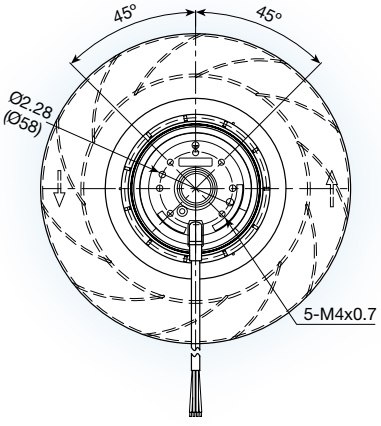
(259 dia. x 117 mm)

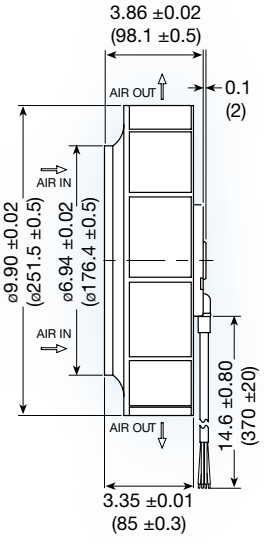
10.20 dia. x 4.62 inches

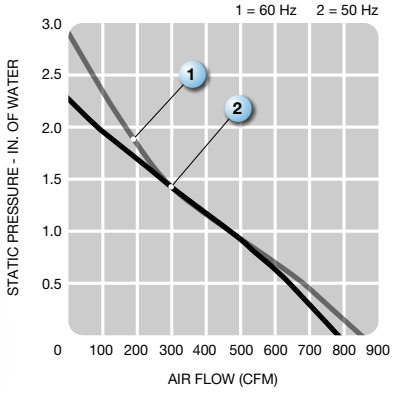
Features:	**integrated mounting plate acts as inlet ring**
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF225APA(99)12-H1C2F	115	50	128	1.16	2.22	2,650	14.0	495	48	1.9	69	2.6
	115	60	160	1.41	2.30	2,950	15.5	547	63	2.6	71	2.6
UF225APA(99)23-H1C2F	230	50	126	0.57	1.14	2,650	14,0	495	48	1.9	69	2.6
	230	60	157	0.70	1.15	2,950	15.5	547	63	2.6	71	2.6

UF250APA series







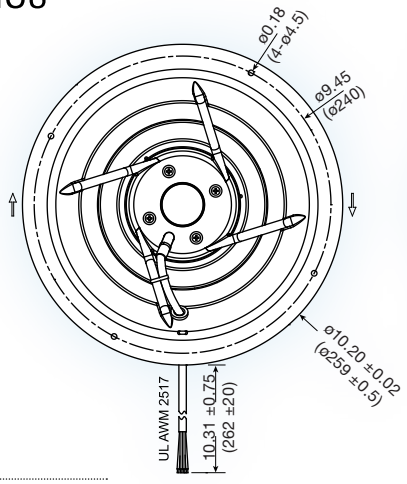
(251 dia. x 98 mm)

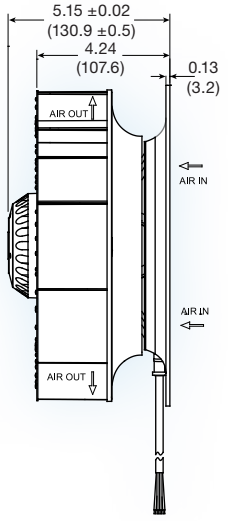
9.90 dia. x 3.86 inches

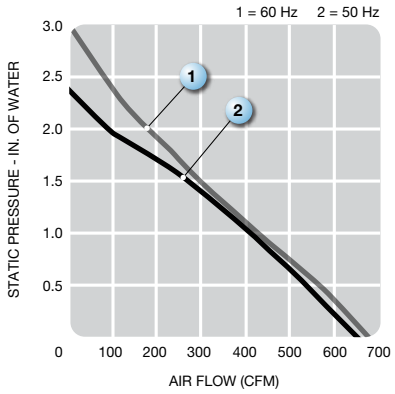
Features:	**backward curved impeller**
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF250APA12-H1C2A	115	50	170	1.50	3.10	2,600	22	770	56	2.2	75	3.1
	115	60	240	2.10	3.00	2,700	24	850	74	2.9	76	3.1
UF250APA12-H1C2A	230	50	170	0.77	1.57	2,600	22	770	56	2.2	75	3.1
	230	60	240	1.00	1.52	2,700	24	850	74	2.9	76	3.1

UF250APA-F series







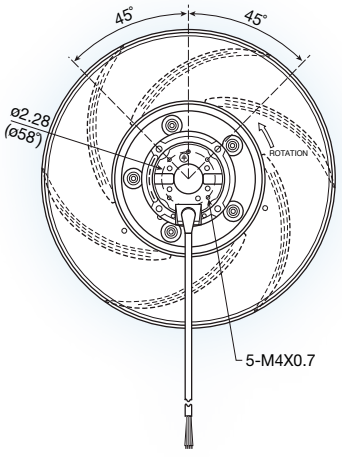
(259 dia. x 131 mm)

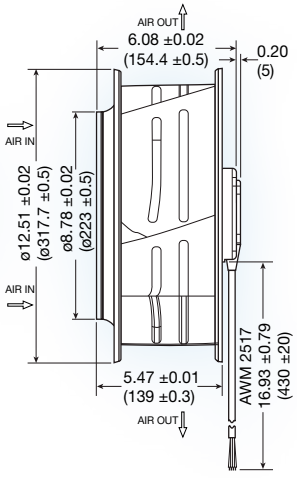
10.20 dia. x 5.15 inches

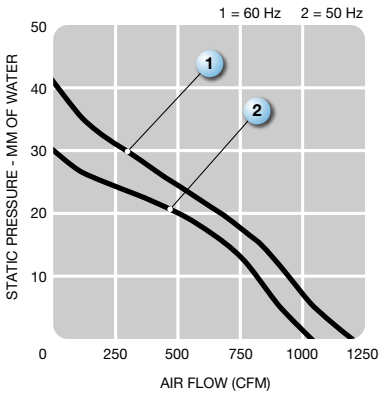
Features:	integrated mounting plate acts as inlet ring
Operating voltage:	115 or 230 VAC
Operating temp.	-40° ~ 50°C
Construction:	aluminum die cast motor base; UL94V-0 reinforced nylon impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF250APA12-H1C2F	115	50	170	1.50	3.10	2,600	18.5	653	61	2.4	71	3.3
	115	60	240	2.10	3.00	2,700	19.3	681	78	3.1	72	3.3
UF250APA12-H1C2F	230	50	170	0.77	1.57	2,600	18.5	653	56	2.4	71	3.3
	230	60	240	1.00	1.52	2,700	19.3	681	78	3.1	72	3.3

UF318AAA series







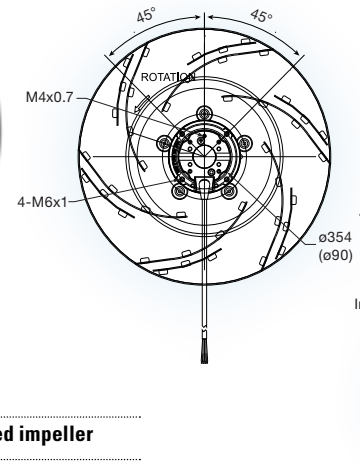
(318 dia. x 154 mm)

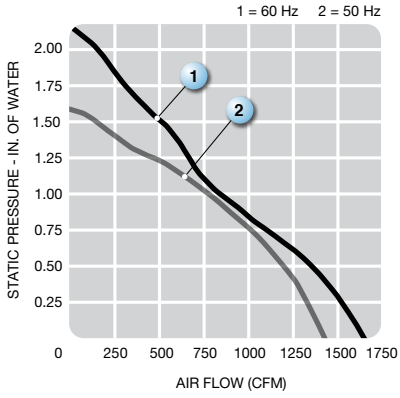
12.5 dia. x 6.08 inches

Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base, aluminum impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M^3/Min.	CFM	MM	INCH	dbA	kg
UF318AAA12-H1C4A	115	50	115	1.00	2.60	1,390	28.8	1015	30	1.2	63	3.8
	115	60	160	1.43	2.40	1,580	33.0	1165	40	1.6	66	3.8
UF318AAA23-H1C4A	230	50	115	0.56	1.40	1,390	28.8	1015	30	1.2	63	3.8
	230	60	160	0.70	1.30	1,580	33.0	1165	40	1.6	66	3.8

UF360AAA series





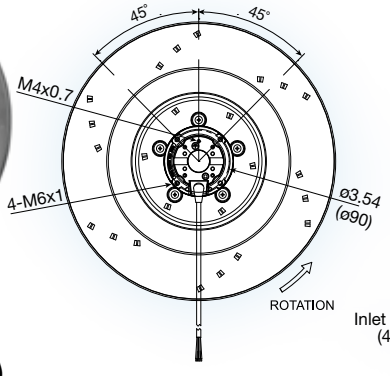
(360 dia. x 167.3 mm)

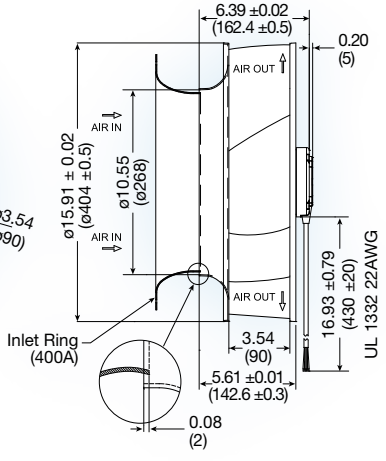
14.17 dia. x 6.59 inches

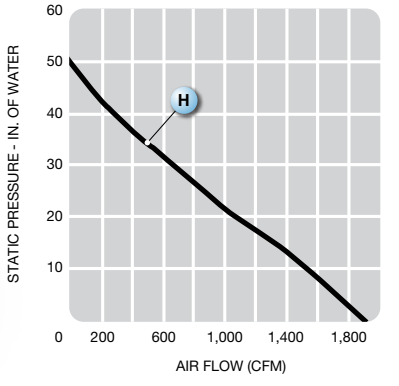
Features:	backward curved impeller
Operating voltage:	115 or 230 VAC
Construction:	aluminum die cast motor base, aluminum impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF360AAA12-H1C4A	115	50	190	1.70	4.24	1,400	40.5	1430	40	1.6	66	5.1
	115	60	270	2.26	4.00	1,600	46.5	1645	55	2.2	70	5.1
UF360AAA23-H1C4A	230	50	190	0.85	2.12	1,400	40.5	1430	40	1.6	66	5.1
	230	60	265	1.13	2.00	1,600	46.5	1645	55	2.2	70	5.1

UF400AAA series







(400 dia. x 162.4 mm)

15.75 dia. x 6.39 inches

Features:	backward curved impeller
Operating voltage:	230 VAC
Operating temp.	-20° ~ 50°C
Construction:	aluminum die cast motor base, aluminum impeller
Bearing option:	ball bearing
Motor:	permanent split capacitor required capacitor included
Air Flow:	centrifugal
Connection:	AWM 2517 lead wires
Protection:	thermal

Model No.	Rated Voltage	Freq.	Input Power	Rated Cur.	Locked Cur.	Speed	Air Volume		Max. Static Pressure (H_2O)		Sound Noise	Weight
	V	HZ	W	A	A	RPM	M³/Min.	CFM	MM	INCH	dbA	kg
UF400AAA23-H1C4A	230	50	287	1.26	1.70	1,250	53.8	1900	136.7	5.38	73	5.45

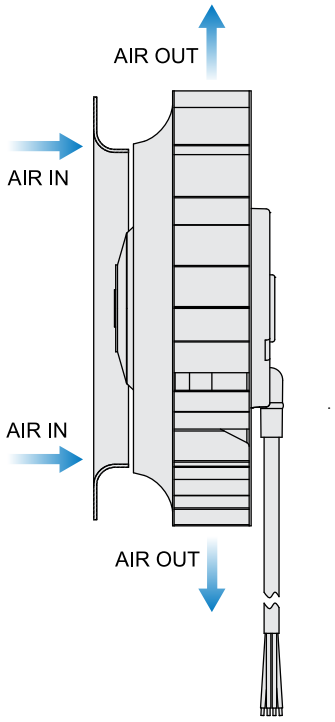
AC Motorized Impeller General Specifications*

- Aluminum die cast motor base
- Nylon or metal impeller
- High precision chrome steel ball bearings
- 115VAC, 230VAC or 115/230VAC dual voltage
- Thermal protection
- Class B motor insulation (unless otherwise noted)
- Operating temperature range: -20 ~ 50 degrees C (unless otherwise noted)
- Dielectric strength: AC 1500V (50/60Hz) for one minute

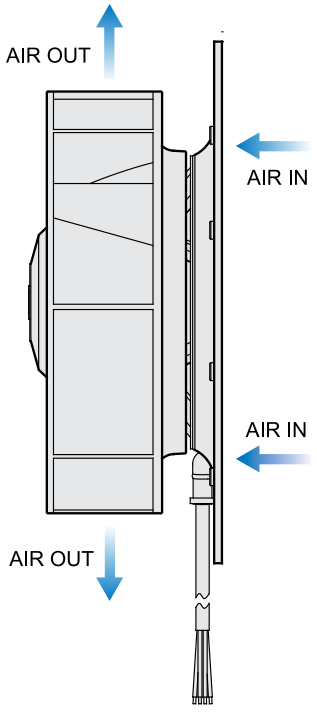
** Actual specifications, tolerances and safety agency approvals vary by model. Consult Mechatronics for individual specifications.*

AC Motorized Impeller Options

Mechatronics offers the standard motorized impeller package as well as a unique configuration which combines the impeller and inlet ring in one complete package. The integrated inlet ring doubles as a mounting plate.



Standard motorized impeller integration requires an inlet ring to block the exhaust air from re-entering the air intake. For optimal performance, the inlet ring must be mounted to an adjacent surface aligning it with the impeller intake.



Mechatronic's integrated inlet ring option eliminates the need for an additional adjacent surface for an inlet ring. Simply mount the device and power it up. This simplifies integration as well as reduces assembly labor time.

IP54 Filter Kits

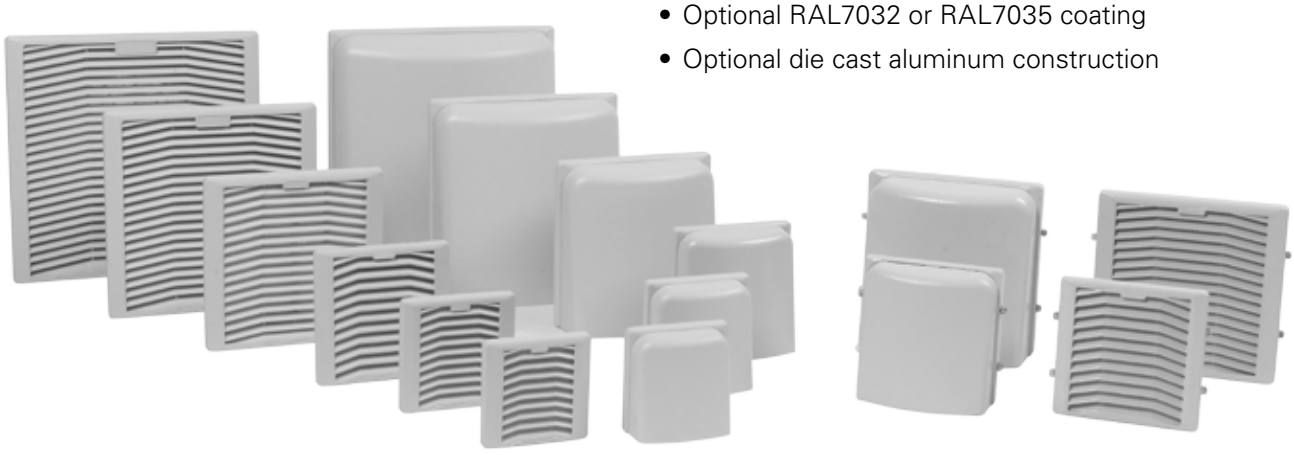
Metal Fan Guards

Fan Power Cords

IP54 VENTILATING FILTERS

Mechatronics offers ventilating filters ranging in sizes from 105mm – 420mm. Ideal for filtering out unwanted particles and moisture to extend the service life of electronics. These filters are designed to accommodate multiple fan models with varying CFM output.

- Shallow mounting depths aid installation and application design
- Fan can be oriented for intake or exhaust
- All models are made with UV resistant ABS resin and meet UL94V-0 flammability requirements
- IP54 rated
- Optional RAL7032 or RAL7035 coating
- Optional die cast aluminum construction



Hooded style for heavy water exposure

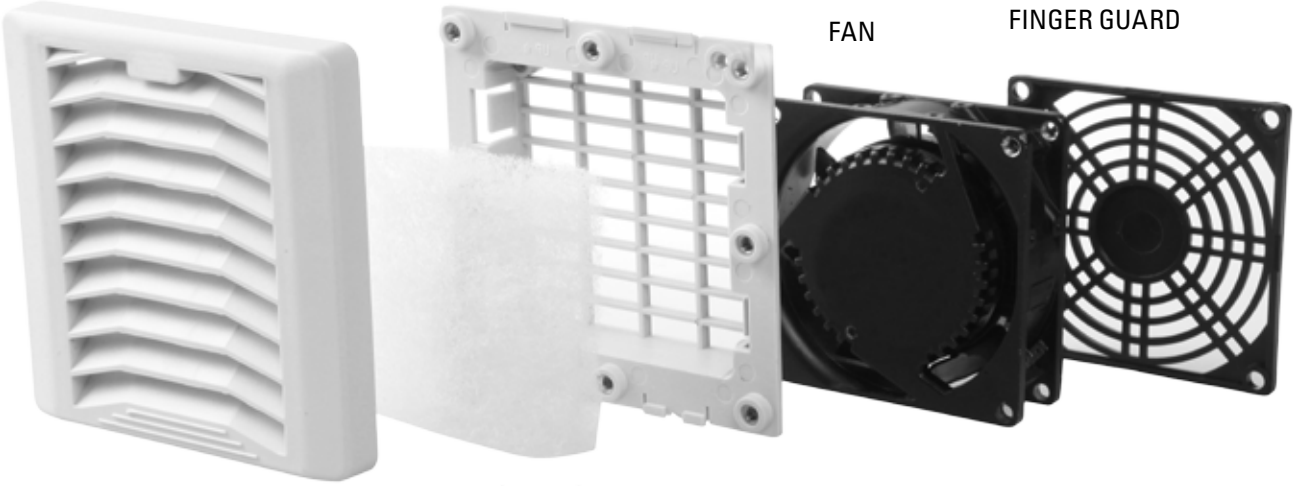
Standard 45 degree angled filter

FILTER FRONT

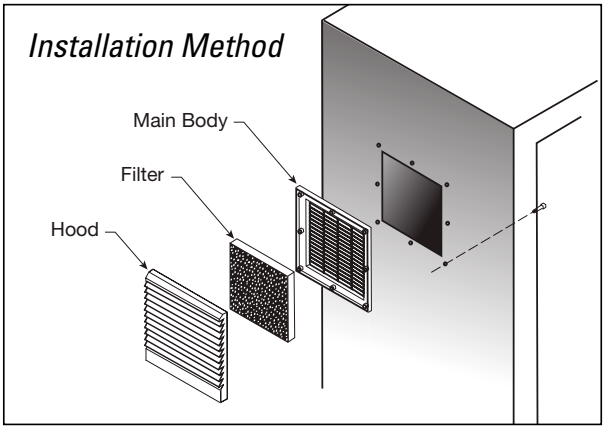
FILTER BACK

FAN

FINGER GUARD



FILTER MEDIA

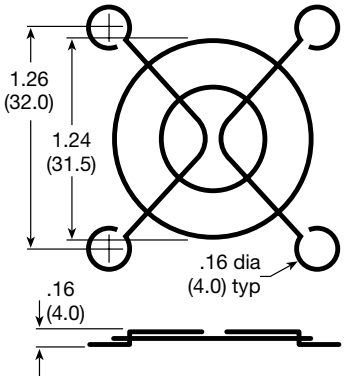


IP54 FILTER KITS

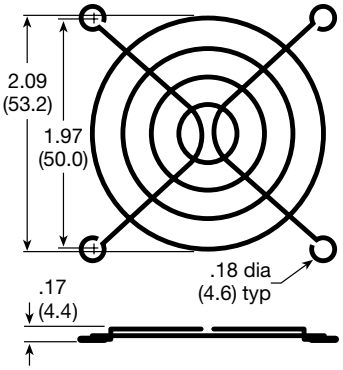
PART NO.	OUTER DIMS	FITS MAX PANEL CUT OUT	COMPATIBLE FAN SERIES
PFG-12	148.5 x 148.5 x 28	122mm x 122mm	UF12B / UF12A / LPC12B / LPC12A / E1225 / G1225 F1238-H / G1238 / MQ1238 / MD1238
PFG-12X3	420 x 180 x 28	392mm x 152mm	UF12B / UF12A / LPC12B / LPC12A / E1225 / G1225 F1238-H / G1238 / MQ1238 / MD1238 / UF15AC UF15PC / UF15KC / UF15KM / UF15KMR / UF15KCR UF17PC / MA1751
PFG-15	204 x 204 x 28	175mm x 175mm	UF12B / UF12A / LPC12B / LPC12A / E1225 / G1225 F1238-H / G1238 / MQ1238 / MD1238 / UF15AC UF15PC / UF15KC / UF15KM / UF15KMR / UF15KCR UF17PC / MA1751
PFG-22	255 x 255 x 28	223mm x 223mm	UF15AC / UF15PC / UF15KC / UF15KCR / UF15KM UF15KMR / LPC15 / UF17PC / MA1751 / UF22
PFG-25	320 x 320 x 28	283mm x 283mm	UF15AC / UF15PC / UF15KC / UF15KCR / UF15KM UF15KMR / LPC15 / UF17PC / MA1751 / UF20 / UF22 UF25GC / UF25GCA / UF25GCR / UF25HC
PFG-80	105 dia x 22.5	90mm Diameter	UF80B / UF80A / LPC80 / G8015-G / G8020 / F8025-H G8032 / MC8038 / MQ8038
PFG-92	210 dia x 22.5	102mm Diameter	UF92B / LPC92 / E9225 / G9225-G / G9232 / MD9232
PFG-80NR	110 x 130 x 50	90mm Diameter	UF80B / UF80A / LPC80 / G8015-G / G8020 / F8025-H G8032 / MC8038 / MQ8038
PFG-92NR	125 x 140 x 50	102mm Diameter	UF92B / LPC92 / E9225 / G9225-G / G9232 / MD9232

Finger Guards

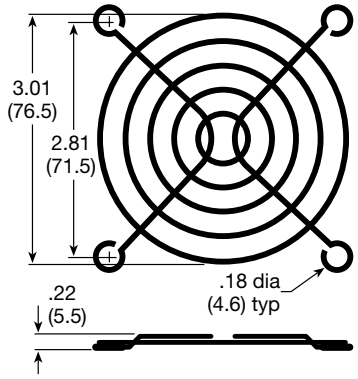
SGR-14 (40 mm Fans)



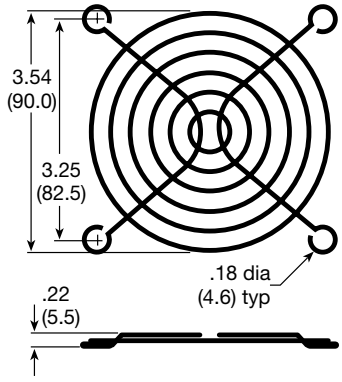
SGR-24 (60 mm Fans)



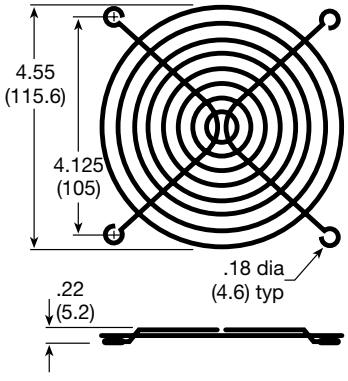
SGR-31 (80 mm Fans)



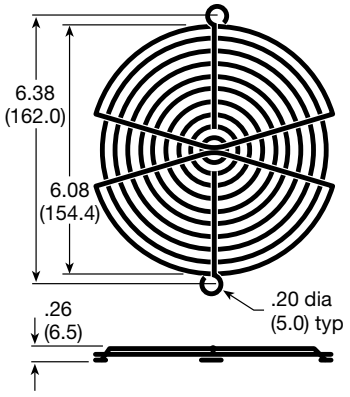
SGR-36 (92 mm Fans)



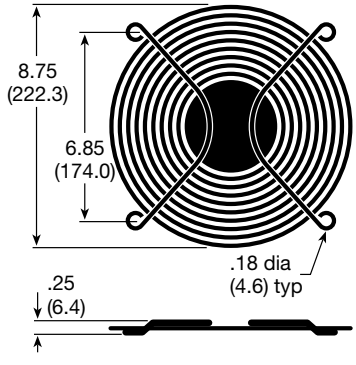
SGR-47 (120 mm Fans)



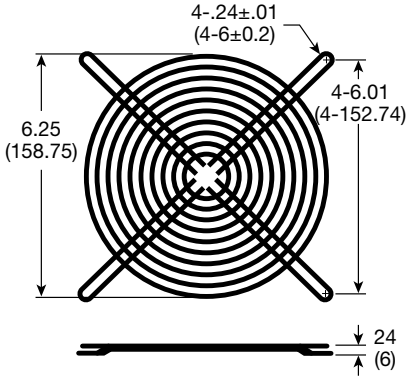
SGR-59 (172 mm Fans)



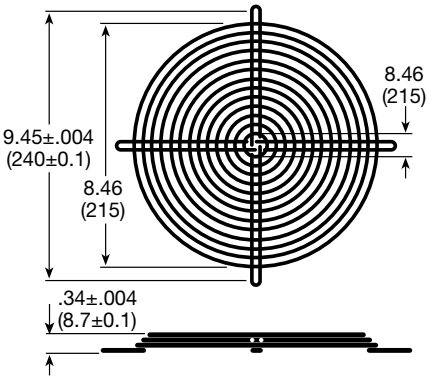
MG-25 (254 mm Fans)



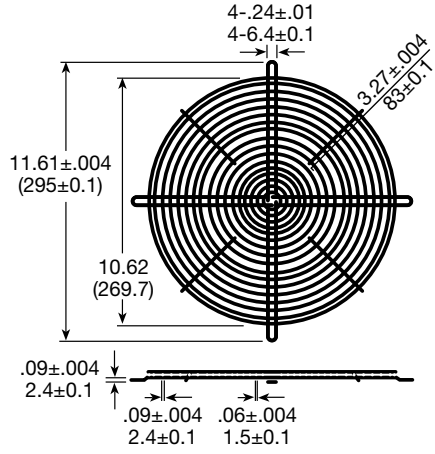
MG-18 (180 mm Fans)



MG-200 (225 mm Fans)



MG-250-17 (280 mm Fans)

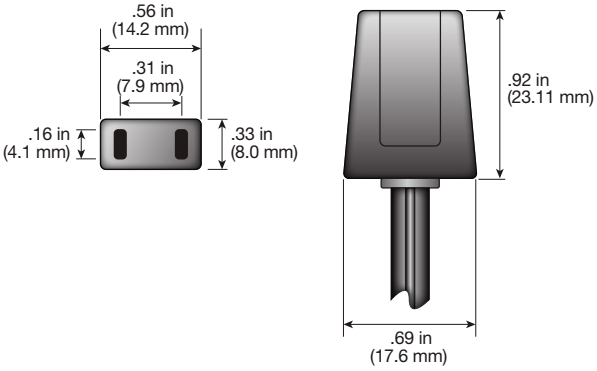


Standard nickel chrome finish (0.0005 in.) or black upon request. Metal fan guards are designed to meet UL spacing requirements. Plastic guards are available in most frame sizes.

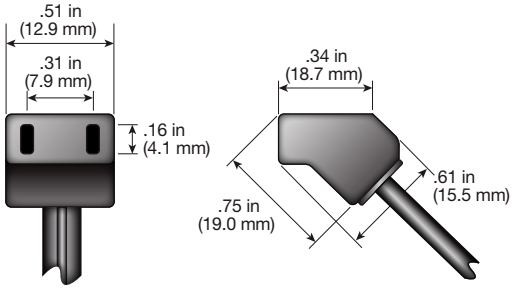
.xxx ±0.005
.xx ±0.02

Mechatronics Fan Cord Specifications

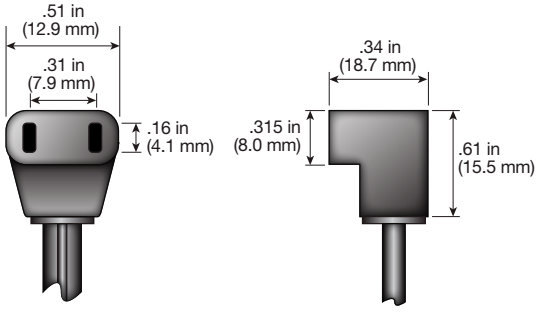
Power cords come in the following four standard plug styles. All power cords come in the following standard lengths, but custom sizes are available. All cords are manufactured using 18 AWG cordage rated at 105°C, 300 volts.



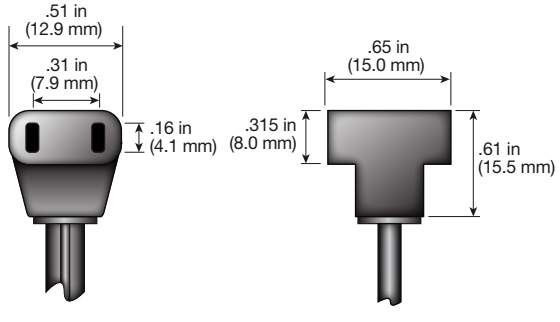
PART NUMBER	CORD LENGTH	
	mm	inches
07100-12	305	12
07100-24	610	24
07100-36	915	36
07100-40	1016	40
07100-50	1270	50
07100-60	1524	60
07100-80	2032	80



PART NUMBER	CORD LENGTH	
	mm	inches
07145-12	305	12
07145-24	610	24
07145-36	915	36
07145-40	1016	40
07145-50	1270	50
07145-60	1524	60
07145-80	2032	80



PART NUMBER	CORD LENGTH	
	mm	inches
07190-12	305	12
07190-24	610	24
07190-36	915	36
07190-40	1016	40
07190-50	1270	50
07190-60	1524	60
07190-80	2032	80



PART NUMBER	CORD LENGTH	
	mm	inches
07199-12	305	12
07199-24	610	24
07199-36	915	36
07199-40	1016	40
07199-50	1270	50
07199-60	1524	60
07199-80	2032	80

MECHATRONICS VALUE ADD

Mechatronics fan design and manufacturing team provides quick turnaround on a wide range of customized assemblies, from connector installation to complex trays. Our extensive North American fan inventory and responsive sales team can help you meet the tightest deadlines.

EXPERIENCE Over 100 years of in-house experience amongst our value add team.

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TIMELY Providing fans and components from inventory, on-site assembly, with sales and technical groups delivering the very best solution.

TOC

FAN VALUE ADD CAPABILITIES

LEAD WIRE MANAGEMENT

- Fan harnesses
- Lead wire sleeving
- Tie wrapping
- Lead wire extension
- Customized connectors
- Contact installation

CUSTOM PACKAGING OPTIONS

- Individual packaging
- Custom labeling
- Partition packaging
- Custom bar coding
- Custom part marking

MECHANICAL CUSTOMIZATION

- Finger guard assembly
- Fan Tray design & assembly
- Threaded inserts
- Tapped mounting holes

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