



Thermal Edge Inc.TM

TEMPERATURE CONTROL SOLUTIONS FOR ELECTRICAL ENCLOSURES

FILTERED FANS PACKAGES

PLASTIC:

Injection Molded Plastic UL Types 12 & 3R

UL Types 12 & 3R

UL Types 12 & 3R | Accessories

Injection Molded Plastic UL Type 1

METAL:

Powder Coated and Stainless Steel

Accessories | 3R Rain Shrouds

BOTH:

Accessories | Filter Media

Accessories | Thermostats



MADE IN AMERICA MATTERS...



INJECTION MOLDED PLASTIC UL TYPES 12 & 3R

PACKAGE INCLUDES FILTERED FAN & FILTERED EXHAUST VENT

Features:

- Hood-free Type 3R rating
- Storage temperature: -40 to 158 °F
- Operating temperature: 14 to 131 °F
- Noise Level: < 60 dBA
- Secure snap-in installation on 18 to 11 gauge panels
- Integrated perimeter seal
- Sliding grille for easy filter maintenance

Injection Molded UV resistant plastic:

- UL Type 12 color: RAL 7035 light grey
- UL Type 3R color: RAL 9005 jet black

Quiet, efficient ball bearing fans:

- 100,000 hour L10 lifetime @25°C
- Thermal motor protection
- Screwless terminal block electrical connection (28-14 AWG)

Progressive structure synthetic fiber filter medium:

- Washable
- Class G3 per EN 779

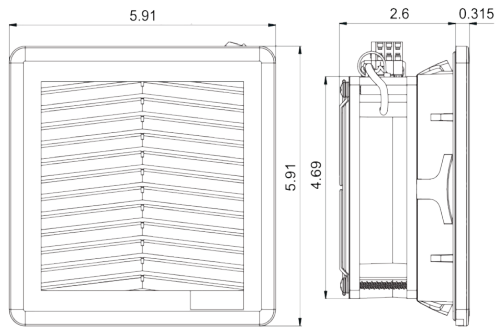


Model	Height	Width	Depth
PFFP085	5.91"	5.91"	2.915"
PFFP150	8.03"	8.03"	3.755"
PFFP250	9.84"	9.84"	4.924"
PFFP450	12.8"	12.8"	6.314"

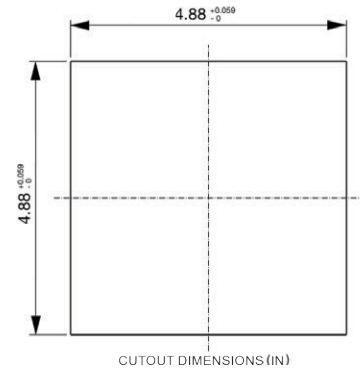
Part Number UL Type 12 (Color: RAL 7035 gray)	Filtered Fan CFM	CFM With Exhaust Filter	Voltage/ Frequency	Rated Current (Amps)	Weight (lbs.)
PFFP085-120-12-XXX	39/46	26/31	115 VAC 50/60	0.26/0.22	1.9
PFFP085-230-12-XXX	39/46	26/31	230 VAC 50/60	0.13/0.10	1.9
PFFP085-D24-12-XXX	28	21	24 VDC	22/71	1.2
PFFP150-120-12-XXX	65/76	50/60	115 VAC 50/60	0.20/0.18	2.5
PFFP150-230-12-XXX	65/76	50/60	230 VAC 50/60	0.126/0.11	2.5
PFFP150-D24-12-XXX	59	44	24 VDC	0.342	1.8
PFFP250-120-12-XXX	135/159	95/112	115 VAC 50/60	0.28/0.27	3.9
PFFP250-230-12-XXX	135/159	95/112	230 VAC 50/60	0.14/0.16	3.9
PFFP250-D24-12-XXX	162	118	24 VDC	1.3	3.8
PFFP450-120-12-XXX	262/285	186/206	115 VAC 50/60	0.68/0.73	8
PFFP450-230-12-XXX	268/296	189/210	230 VAC 50/60	0.31/0.35	8

Part Number UL Type 3R (Color: RAL 9005 black)	Filtered Fan CFM	CFM With Exhaust Filter	Voltage/ Frequency	Rated Current (Amps)	Weight (lbs.)
PFFP085-120-3R-XXB	29/35	18.5/22	115 VAC 50/60	0.26/0.22	2.1
PFFP085-230-3R-XXB	29/35	18.5/22	230 VAC 50/60	0.13/0.10	2.1
PFFP085-D24-3R-XXB	21	14.5	24 VDC	22/71	1.2
PFFP150-120-3R-XXB	53/65	37/45	115 VAC 50/60	0.20/0.18	2.5
PFFP150-230-3R-XXB	53/65	37/45	230 VAC 50/60	0.126/0.11	2.5
PFFP150-D24-3R-XXB	50	31	24 VDC	0.342	1.8
PFFP250-120-3R-XXB	94/115	68/82	115 VAC 50/60	0.28/0.26	3.9
PFFP250-230-3R-XXB	94/115	68/82	230 VAC 50/60	0.14/0.16	3.9
PFFP250-D24-3R-XXB	135	93	24 VDC	1.3	3.8
PFFP450-120-3R-XXB	199/222	141/182	115 VAC 50/60	0.68/0.73	7.9
PFFP450-230-3R-XXB	212/235	150/168	230 VAC 50/60	0.31/0.35	7.9

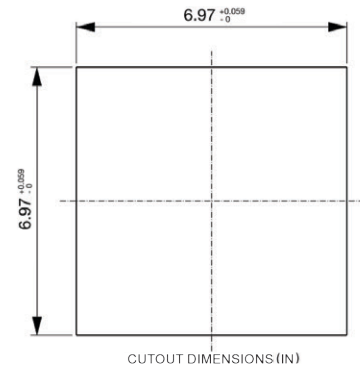
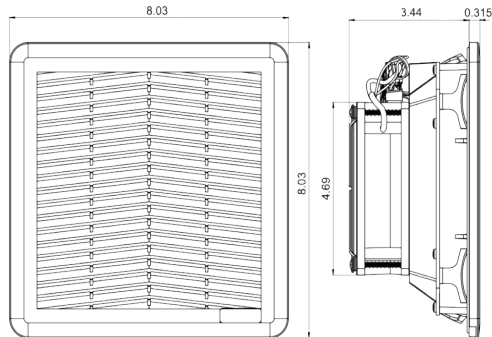
PFFP085



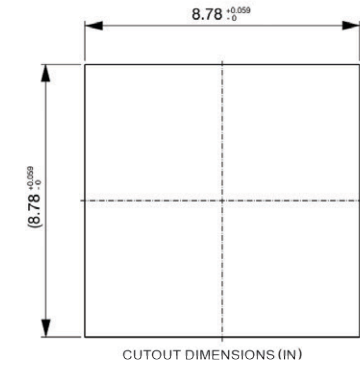
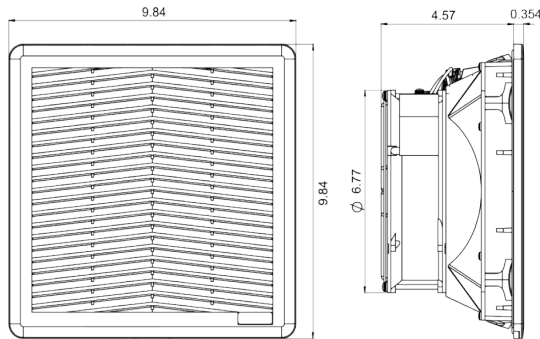
NOTE:
Type 3R cutout
dimensions:
4.921 +.059 -0



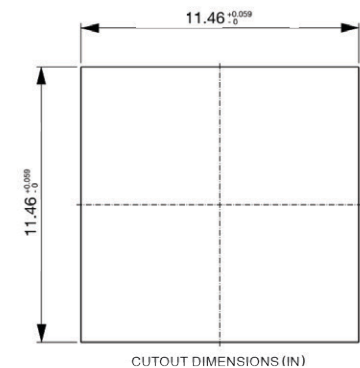
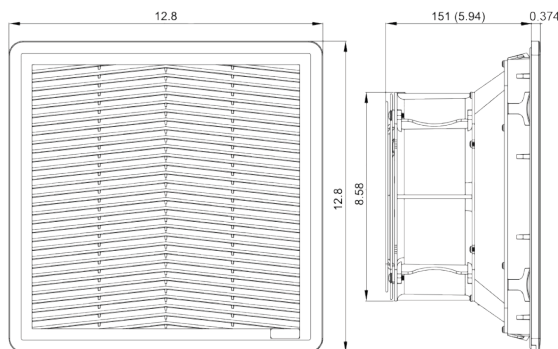
PFFP150



PFFP250



PFFP450



Accessories:

- Additional filtered exhaust vent
- Replacement filter media
- Plastic adaptor (reduce fan intrusion into electrical enclosure)
- Stainless steel hood (IP56 pressurized wash down protection)
- Thermostats



c  us
UL File # E502939



UL TYPES 12 & 3R

The PFFP Type 12 and Type 3R filtered fan series offers a revolutionary, tool-less, easy-to-mount solution thanks to a system of clips optimized for 18 to 11 gauge thick enclosure panels. The advanced design reduces the risk of water infiltration, increasing operating safety.



RAPID INSTALLATION

The filtered fan and exhaust are installed without screws, by simply pressing into the enclosure cutout.



INNOVATIVE MOUNTING CLIPS

The clips are made of a highly elastic material, for mounting on 11-18 gauge thick plates.



HIDDEN SEAL

A dedicated perimeter seat houses the integrated gasket between the filter unit and the enclosure.



EASY SLIDE OPENING

Cover snaps securely onto the base.



UV PROTECTION

The base and cover are made of UV-resistant PC/ABS plastic.



OPERATIONAL SAFETY

The filter media can be replaced from the outside and without the need for tools.



IMPROVED WATER RESISTANCE

The interface between the base and the cover employs ribbing that facilitates water runoff to the outside.

UL TYPES 12 & 3R | ACCESSORIES



Filter Media

- High performance progressive structure polyolefin fiber with thermal bonding
- High arrestance throughout useful lifetime, providing maximum operational reliability
- Class G3 per EN779
- Can be cleaned, up to 10 times, by careful washing, blowing dry and lightly beating
- 6 filters per package

Part Number	Used On
42246	PFFP085
42247	PFFP150
42248	PFFP250
42249	PFFP450



Depth Adapter

- For reducing fan intrusion into cabinet by 1 inch
- RAL7035 plastic frame
- Adapter mounts on outside of cabinet

Part Number	Used On	Cutout Dimensions (Width x Height)
PFFP085PA	PFFP085	4.92" x 4.92"
PFFP250PA	PFFP250	8.78" x 8.78"
PFFP450PA	PFFP450	11.46" x 11.46"

INJECTION MOLDED PLASTIC UL TYPE 1

Features:

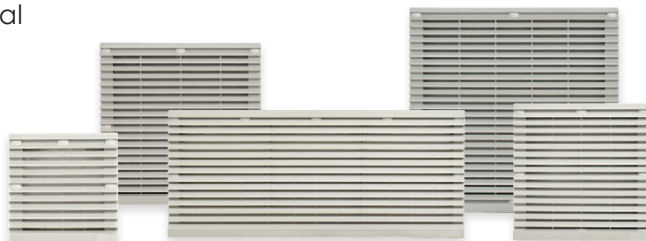
- Efficient, quiet ball bearing fans
- Nylon or electrostatic polypropylene filter pad
- Snap-on grille for easy filter maintenance
- Angled louvers to resist moisture
- Pressurized operation standard, reverse flow optional
- Operating temperature 14° F to 131° F

Package includes:

- Fan & exhaust vent
- Mounting Hardware
- All kits include integrated gaskets and mounting template

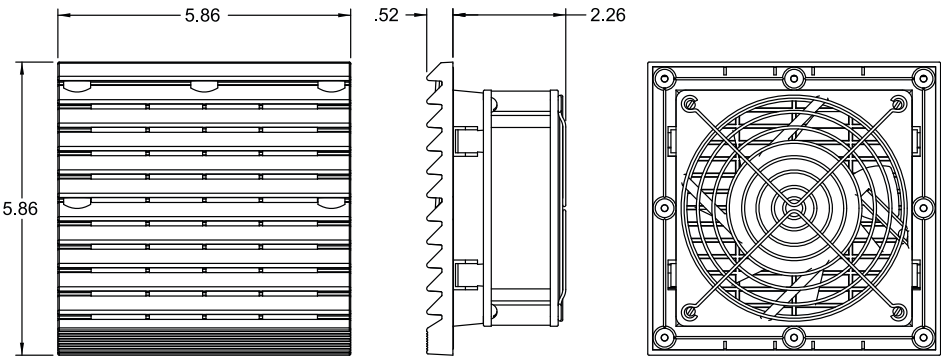
Accessories:

- Thermostats
- Washable replacement filters
- Vent kits

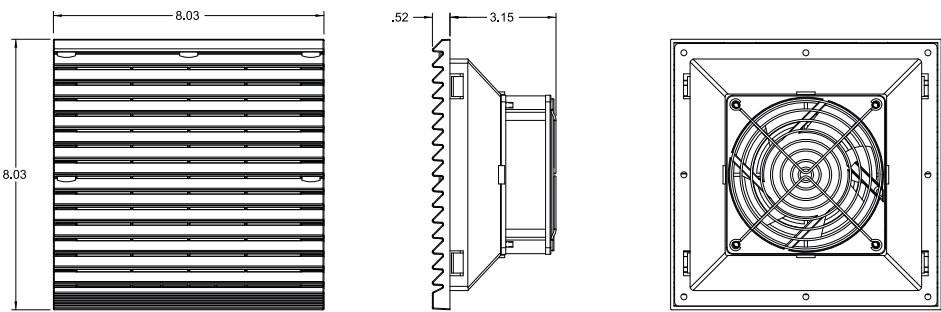


Part Number UL Type 1	CFM Free Flow	CFM With 1 Filter	CFM With 2 Filters	Voltage/Hz.	Rated Amps	RPM
PFFP080-120	75	53	24	115 VAC 50/60	0.11	2900
PFFP080-230	75	53	24	230 VAC 50/60	0.06	2900
PFFP080-D24	89	63	28	24 VDC	0.19	2200
PFFP100-120	131	101	45	115 VAC 50/60	0.17/0.18	3300
PFFP100-230	131	101	45	230 VAC 50/60	0.1/0.11	3300
PFFP100-D24	90	69	31	24 VDC	0.5	3300
PFFP200-120	300	202	91	115 VAC 50/60	0.35/0.40	3300
PFFP200-230	300	202	91	230 VAC 50/60	0.20/0.22	3300
PFFP200-D24	300	202	91	24 VDC	2.1	3900
PFFP390-120	390	280	124	115 VAC 50/60	0.51/0.54	3300
PFFP390-230	390	280	124	230 VAC 50/60	0.30/0.33	3300
PFFP390-D24	270	192	85	24 VDC	0.69	3300
PFFP500-120	850	572	247	115 VAC 50/60	0.50/0.58	2700
PFFP500-230	850	572	247	230 VAC 50/60	0.25/0.30	2700

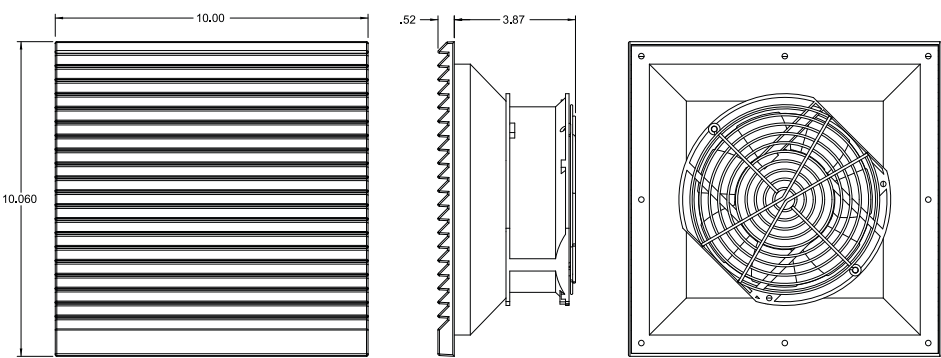
Model PFFP080



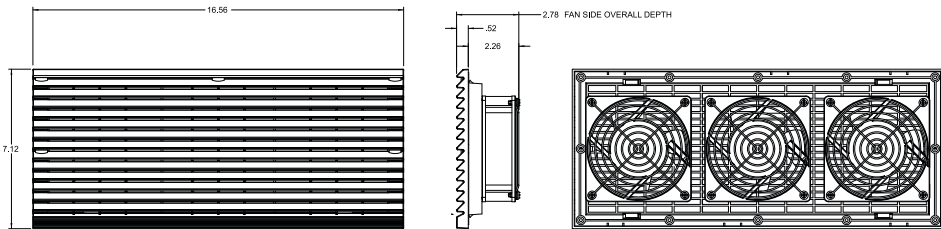
Model PFFP100



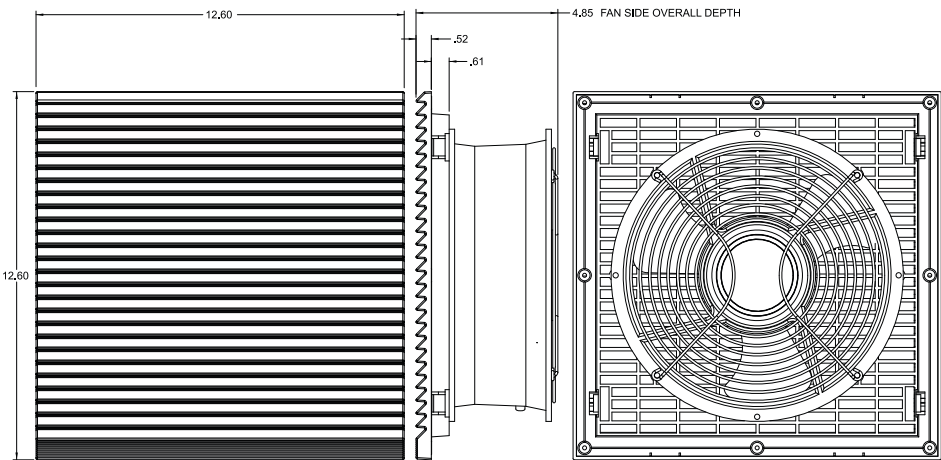
Model PFFP200



Model PFFP390



Model PFFP500



METAL FILTER FAN PACKAGES

POWDER COATED AND STAINLESS STEEL

Features:

- Efficient, quiet ball bearing fans
- Electrostatic polypropylene filter pad
- Available in 304 Stainless Steel
- Pressurized operation standard, reverse flow optional
- Operating temperature 14° F to 131° F

Package includes:

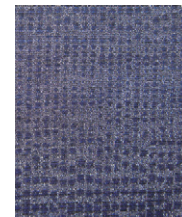
- Fan & exhaust vent
- Filtered fan, filtered exhaust vent, gaskets, hardware and templates
- Includes 8' cord with plug

Accessories:

- Thermostats
- 3R Shrouds
- Washable replacement filters
- Vent kits

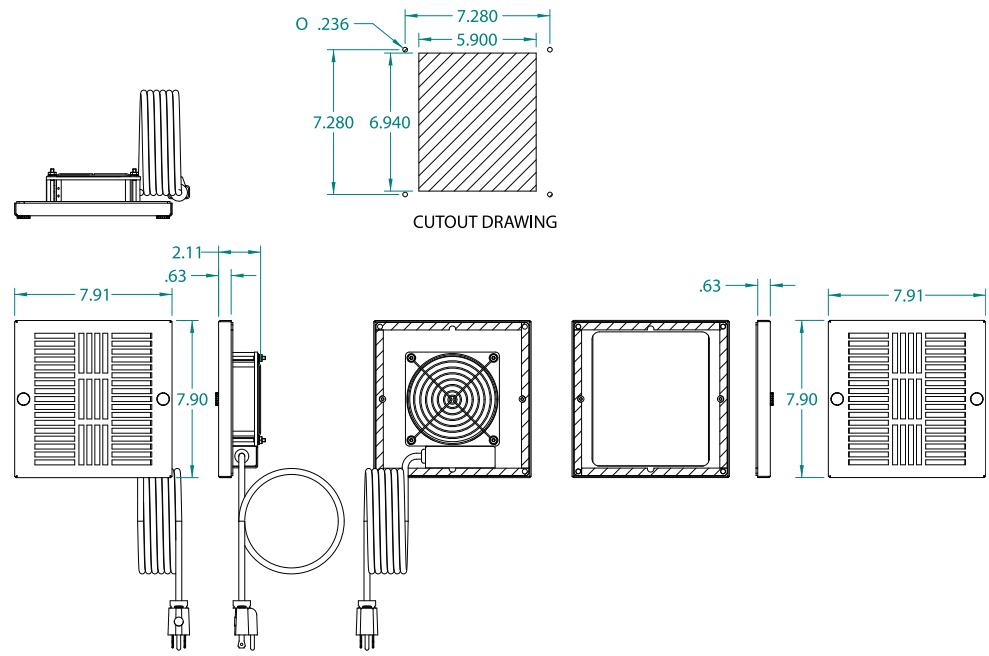


(TOP) ANSI 61 Powder
Coated Mild Steel
(RIGHT) 304 Stainless
Steel (XAX)

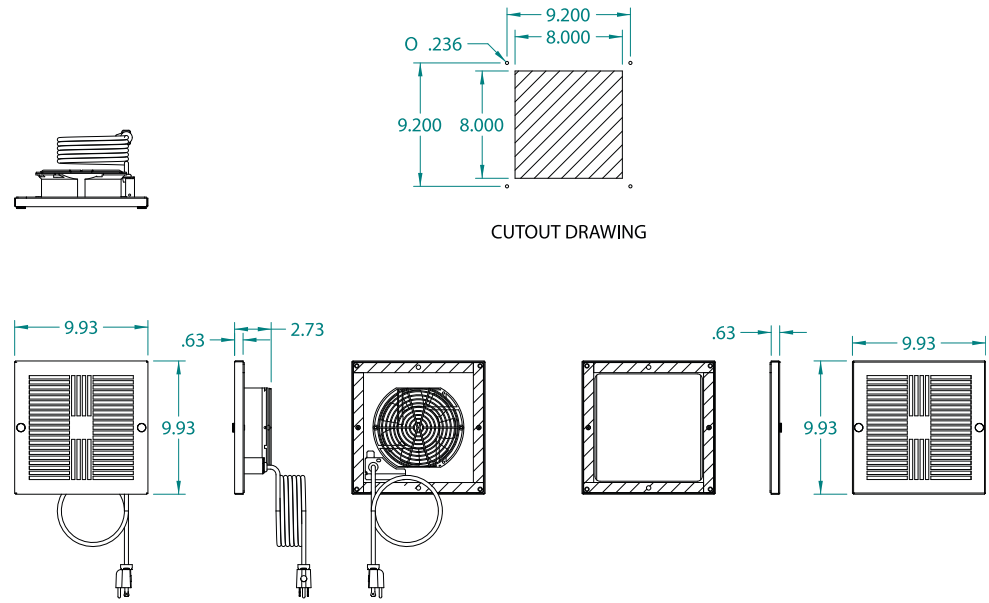


Part Number UL Type 1	Part Number UL Type 3R	CFM Free Flow	CFM With 1 Filter	CFM With 2 Filters	Voltage/Hz.	Rated Amps	RPM
MFFP100-120	MFFP100-120-3R	131	101	45	115 VAC 50/60	0.17/0.18	3300
MFFP100-230	MFFP100-230-3R	131	101	45	230 VAC 50/60	0.1/0.11	3300
MFFP100-D24	MFFP100-D24-3R	90	69	31	24 VDC	0.23	3300
MFFP200-120	MFFP200-120-3R	300	202	91	115 VAC 50/60	0.35/0.40	3300
MFFP200-230	MFFP200-230-3R	300	202	91	230 VAC 50/60	0.20/0.22	3300
MFFP200-D24	MFFP200-D24-3R	300	202	91	24 VDC	2.1	3900
MFFP200-120-01-XAX	MFFP200-120-3R-XAX	300	202	91	115 VAC 50/60	0.35/0.40	3300
MFFP200-230-01-XAX	MFFP200-230-3R-XAX	300	202	91	230 VAC 50/60	0.20/0.22	3300
MFFP200-D24-01-XAX	MFFP200-D24-3R-XAX	300	202	91	24 VDC	2.1	3900
MFFP500-120	MFFP500-120-3R	850	572	247	115 VAC 50/60	0.50/0.58	2700
MFFP500-230	MFFP500-230-3R	850	572	247	230 VAC 50/60	0.25/0.30	2700

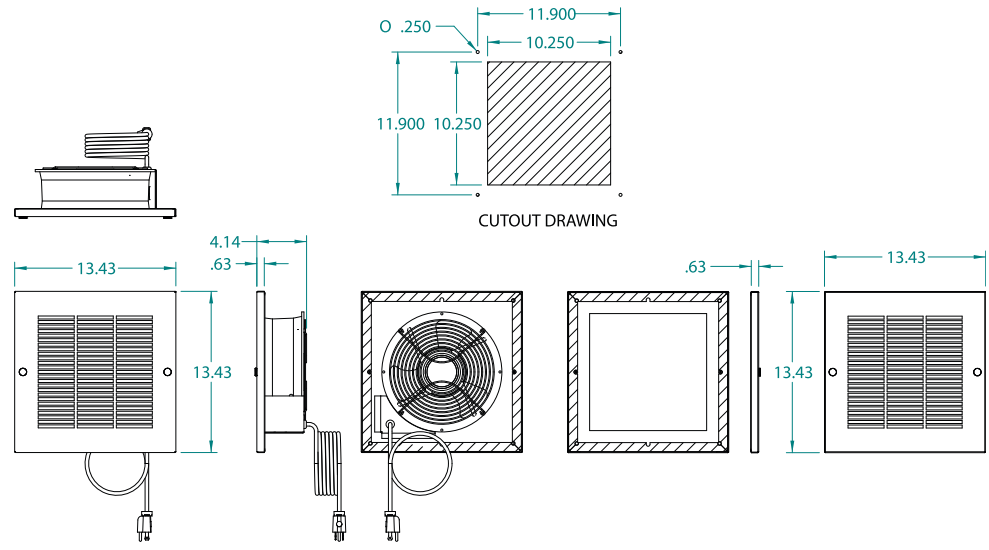
Model MFFP 100



Model MFFP 200



Model MFFP 500



ACCESSORIES | 3R RAIN SHROUDS



APPLICATION*

Our Fan Shroud Kits are designed to keep the elements out of your enclosure while allowing the free air movement from your filtered fan packages.

INSTALLATION

Shrouds come 2 to a kit and are sized to fit neatly over your openings and fans.

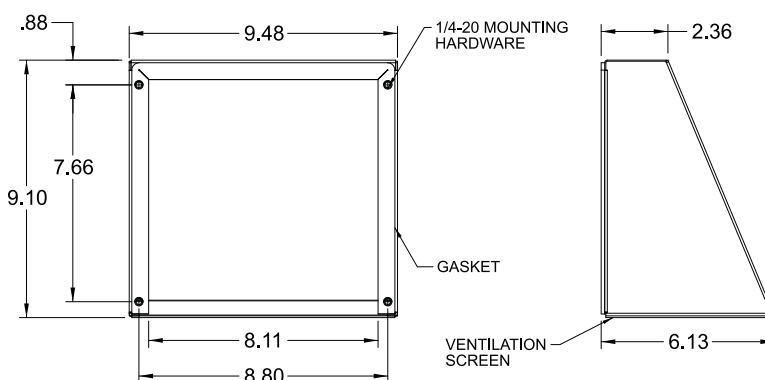
SPECIFICS

- 16 Gauge Powder Coated Mild Steel
- Maintains UL Type 3R
- Includes Gaskets On All Three Edges
- Kits Include All Mounting Hardware and Template

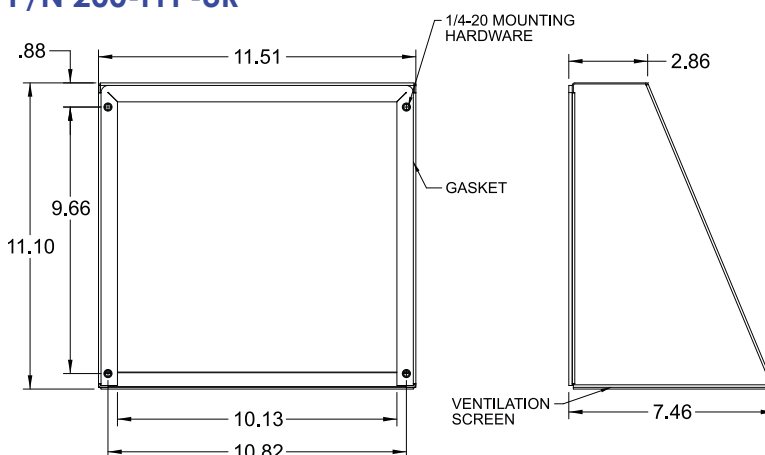
THE 3R RAIN SHROUD

is fit over filter fan assembly and fastened from inside.

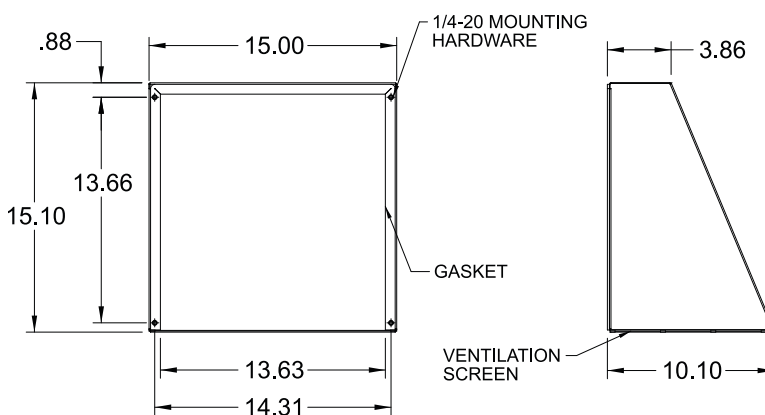
P/N 100-FFP-3R



P/N 200-FFP-3R



P/N 500-FFP-3R



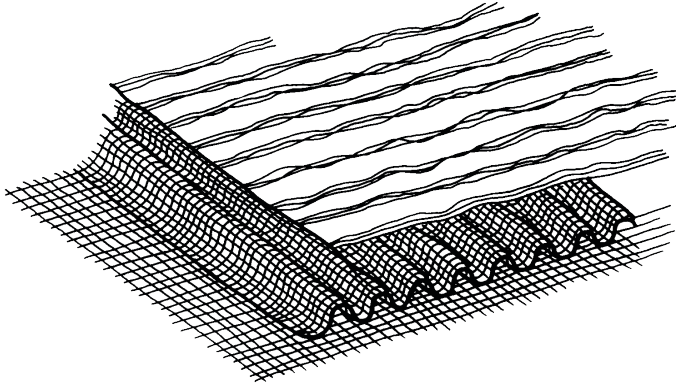
**All information subject to change without notice.*

ACCESSORIES | FILTER MEDIA

ELECTROSTATIC POLYPROPYLENE FILTER MEDIA

Our unique 1/4" corrugated polypropylene filtration media features an electrostatic charge that assists in filtering dirt, dust and other irritating pollutants from the air. This industrial filter media is a dense, 3 layer, waffle weave configuration, which enhances the filtration abilities and creates a rigid and durable electrostatic air filter.

Additionally, the Thermal Edge air filtration media can be rinsed or vacuum cleaned, and will not degrade over time as foam does.



Illustrative View of Multilayered Material

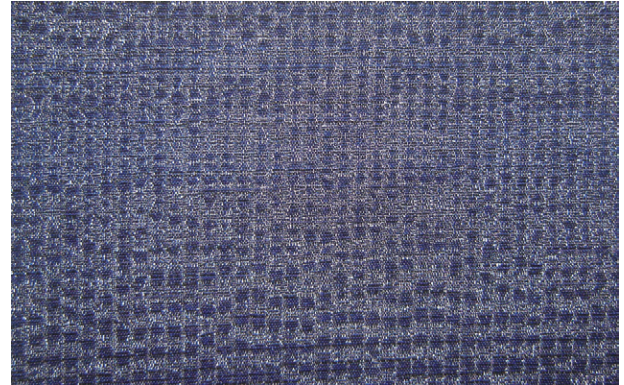


Photo of Actual Material

Media	PermaCool Polypropylene
Weave type	3-D waffle corrugated
U.L. classification	Class 2
Yarn diameter	10 mil
Yarn count (warp/fill)	65/74
Media thickness	.25 inch
Media weight	10.1 oz per square yard
Temperature rating	Operating 180° F, Melting 325°F
Initial resistance	0.04 inches w.g.
Average arrestance efficiency	63%
Dust holding capacity	100 Grams

Part #	Description
44207	Replacement Filters MFFP100 PKG 12
44208	Replacement Filters MFFP200 PKG 12
44209	Replacement Filters MFFP500 PKG 12
44210	Replacement Filters PFFP080 PKG 12
44211	Replacement Filters PFFP100 PKG 12
44212	Replacement Filters PFFP200 PKG 12
44213	Replacement Filters PFFP390 PKG 12
44214	Replacement Filters PFFP500 PKG 12

ACCESSORIES | THERMOSTATS



THERMOSTAT KTS 111

- Safe wiring with Push-In connection terminal
- Faster and tool-free wiring
- Improved air intakes for ventilation
- Easy adjustability of switch temperature setting
- For use in up to 16,000 ft. altitude

Part #	Contact Type	Scale
11101.0-00	Normally Open*	0 to +60 °C
11101.0-01	Normally Open	-10 to +50 °C
11101.0-02	Normally Open	+20 to +80 °C
11101.9-00	Normally Open	+32 to +140 °F
11101.9-01	Normally Open	+14 to +122 °F



DUAL THERMOSTAT

- ZR 011 Two thermostats in one unit
- One normally open* (blue) & one normally closed (red)
- Or, both normally open
- Each with wide adjustable temperature range
- Available with °F or °C scale
- DIN rail mountable

Part #	NC (red)	NO (blue)
01172.0-01	32 - 140°F	32 - 140°F
01172.0-00	0 - 60°C	0 - 60°C
01176.0-00	0 - 60°C	0 - 60°C
01176.0-01	32 - 140°F	32 - 140°F

*Thermostat normally open: thermostat closes at temperature rise. Comes with a blue temperature dial.

Additional information on these thermostats may be found in the Enclosure Accessories section of this catalog.

AT FTEC10

4" FANS FILTERED FAN PACKS

AT FTEC10 series Fan Filters and Exhaust Filters are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, AT FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.



Certifications:

- UL and cUL Listed, File Number E497874
- CSA and CSAus Listed, File Number 80030884
- CE Compliant

Features:

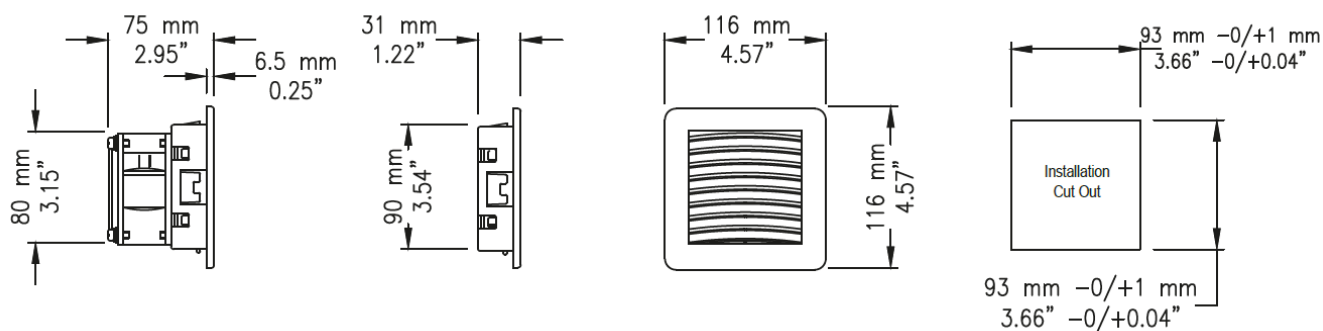
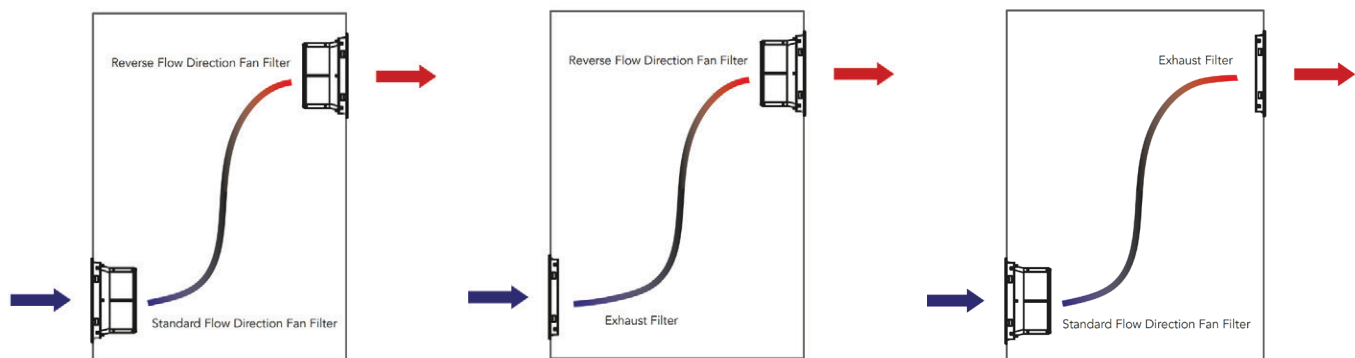
- Type 12 and Type 3R NEMA Rating (no hood required)
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Flow capacity from 8 CFM to 38 CFM (14 m³/hr to 65 m³/hr)
- Easily snaps into place without the use of screws
- Operating/storage temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 - 90,000 hrs
- 2-Pin connector or Screwless terminal connector
- UV Resistant
- Polyurethane sealing gasket

Ball bearing Fan

- Easily snaps into place without the use of screws
- Washable and reusable filter mat
- Robust flame-retardant plastic housing, UL 94-V0
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- UV Resistant

Colors

- RAL 7035 Light Gray
- RAL 7032 Dark Gray
- RAL 9011 Black



FAN SIDE

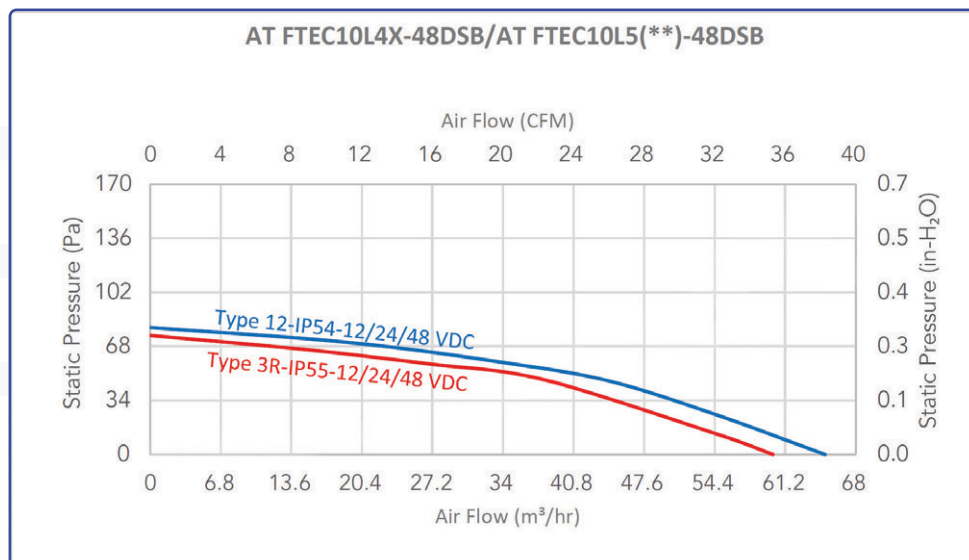
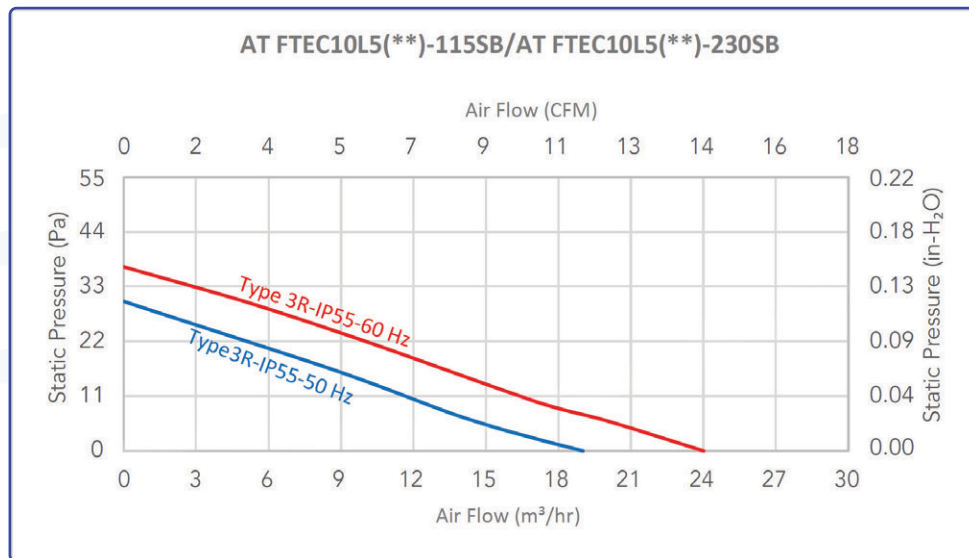
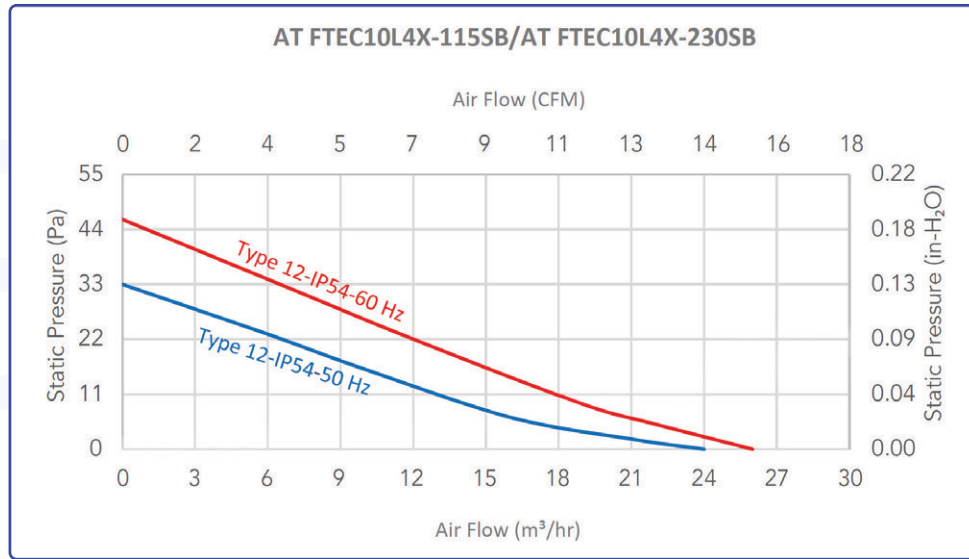
Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m ³ /hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC10L4X-115SB	100-120	Type 12 / IP 54	15-14 / 26-24	1.21 / 550	L10 50K at 25 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L4X-230SB	200-240	Type 12 / IP 54	15-14 / 26-24	1.21 / 550	L10 50K at 25 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L4X-24DSB	12-27.6	Type 12 / IP 54	38 / 65	0.51 / 230	L10 60K at 45 °C	4.57 x 4.57 x 2.44 / 116 x 116 x 62
AT FTEC10L5Z-115SB	100-120	Type 3R / IP 55	14-11 / 24-19	1.21 / 550	L10 50K at 25 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L5Z-230SB	200-240	Type 3R / IP 55	14-11 / 24-19	1.21 / 550	L10 50K at 25 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L5Z-24DSB	12-27.6	Type 3R / IP 55	35 / 60	0.51 / 230	L10 60K at 45 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L4X-115SBE	85-265 (Energy Saver)	Type 12 / IP 54	40 / 68	1.21 / 550	L10 70K at 40 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L5Z-115SBE	85-265 (Energy Saver)	Type 3R / IP 55	30 / 51	1.21 / 550	L10 70K at 40 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m ³ /hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC10L4X-115SBE	85-265	Type 12/IP 54	40/68	1.21/550	L10 70K at 40 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75
AT FTEC10L5Z-115SBE	85-265	Type 3R/IP 55	30/51	1.21/550	L10 70K at 40 °C	4.57 x 4.57 x 2.96 / 116 x 116 x 75

EXHAUST

RAIN HOOD

Part Number	SIZE	NEMA/IP Rating	USE WITH	Dimensions (In/mm)
AT RAITEC16-4CS5	4" AND 6"	TYPE 3R / 4 304SS	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAITEC16-4XSS4	4" AND 6"	TYPE 4 / 4X 316SS	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAITEC16-FDASS6	4" AND 6"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95

Testing done under controlled conditions. Actual performance may vary.



AT FTEC10 SERIES PERFORMANCE CHART | 4" FAN FILTER AND EXHAUST FILTER

NEMA Rating	Type 12			Type 12 or Type 3R		
IP Rating	IP 54			IP 55		
Filter Media	G3			G4		
Rated Voltage	100-120 VAC	200-240 VAC	12/24/48 VDC	100-120 VAC	200-240 VAC	12/24/48 VDC
Frequency	60/50 Hz	60/50 Hz		60/50 Hz	60/50 Hz	
Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing
Power connection	3 Poles screwless connector or 2 Pin terminal		Wires	3 Poles screwless connector or 2 Pin terminal		Wires
Fan Filters						
RAL 7035 Light Gray	AT FTEC10L4X-115SB	AT FTEC10L4X-230SB	AT FTEC10L4X-(*)DSB	AT FTEC10L5(**)-115SB	AT FTEC10L5(**)-230SB	AT FTEC10L5(**)-(*)DSB
RAL 7032 Dark Gray	AT FTEC10D4X-115SB	AT FTEC10D4X-230SB	AT FTEC10D4X-(*)DSB	AT FTEC10D5(**)-115SB	AT FTEC10D5(**)-230SB	AT FTEC10D5(**)-(*)DSB
RAL 9011 Black	AT FTEC10B4X-115SB	AT FTEC10B4X-230SB	AT FTEC10B4X-(*)DSB	AT FTEC10B5(**)-115SB	AT FTEC10B5(**)-230SB	AT FTEC10B5(**)-(*)DSB
Reverse Flow Fan Filter	AT FTEC10L4X-115RB	AT FTEC10L4X-230RB	AT FTEC10L4X-(*)DRB	AT FTEC10L5(**)-115RB	AT FTEC10L5(**)-230RB	AT FTEC10L5(**)-(*)DRB
Flow Capacity (CFM-m3/hr at 60/50 Hz) and Maximum Static Pressure (in H2O-Pa at 60/50 Hz)						
Unimpeded (***)	15/14 CFM-26/24 m³/hr	15/14 CFM-26/24 m³/hr	38 CFM-65 m³/hr	14/11 CFM-24/19 m³/hr	14/11 CFM-24/19 m³/hr	35 CFM-60 m³/hr
In combination						
Fan Filter+ Exhaust Filter	11/9 CFM-19/16 m³/hr	11/9 CFM-19/16 m³/hr	26 CFM-45 m³/hr	10/8 CFM-17/14 m³/hr	10/8 CFM-17/14 m³/hr	22 CFM-37 m³/hr
Max. Static Pressure	0.18/0.13-46/33	0.18/0.13-46/33	0.32-80	0.15/0.12-37/30	0.15/0.12-37/30	0.30-75
Fan Filter+ Reverse Flow Fan Filter	13/12 CFM-22/20 m³/hr	13/12 CFM-22/20 m³/hr	35 CFM-60 m³/hr	12/11 CFM-20/19 m³/hr	12/11 CFM-20/19 m³/hr	32 CFM-55 m³/hr
Max. Static Pressure	0.20/0.16-50/40	0.20/0.16-50/40	0.34-85	0.18/0.14-46/35	0.18/0.14-46/35	0.31-78
Other Fan Filters Data						
Power Input	9/12 W	9/12 W	2.2/2.9/3.8 W	9/12 W	9/12 W	2.2/2.9/3.8 W
Weight	550 gram /1.21 lb		230 gram /0.51 lb	550 gram /1.21 lb		230 gram /0.51 lb
Noise Level	38/33 dB (A)		55 dB (A)	38/33 dB (A)		55 dB (A)
Durability	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C
Operating Temperature	-20 to +70 °C / -4 to +158 °F			-20 to +70 °C / -4 to +158 °F		
Dimensions	4.57" X 4.57" X 2.95" / 116 X 116 X 75 mm³			4.57" X 4.57" X 2.95" / 116 X 116 X 75 mm³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	AT FTEC10L4X			AT FTEC10L5(**)		
RAL 7032 Dark Gray	AT FTEC10D4X			AT FTEC10D5(**)		
RAL 9011 Black	AT FTEC10B4X			AT FTEC10B5(**)		
Dimensions	4.57" X 4.57" X 1.22" / 116 X 116 X 31 mm³			4.57" X 4.57" X 1.22" / 116 X 116 X 31 mm³		
Weight	100 gram / 0.22 lb			100 gram / 0.22 lb		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	AT FTEC10-FM-4			AT FTEC10-FM-5		
NO Thermostat (°F)	AT TTEC-200-F			AT TTEC-200-F		

(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

(**) X represents Type 12, IP 54 or IP 55, Z represents Type 3R IP 55

(***) Flow capacity at 90 VAC - 60 Hz (Type 12) is 13.5 CFM

AT FTEC16

6" FANS FILTERED FAN PACKS

AT FTEC16 series Fan Filters and Exhaust Filters are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, AT FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.



Certifications:

- UL and cUL Listed, File Number E497874
- CSA and CSAus Listed, File Number 80030884
- CE Compliant

Features:

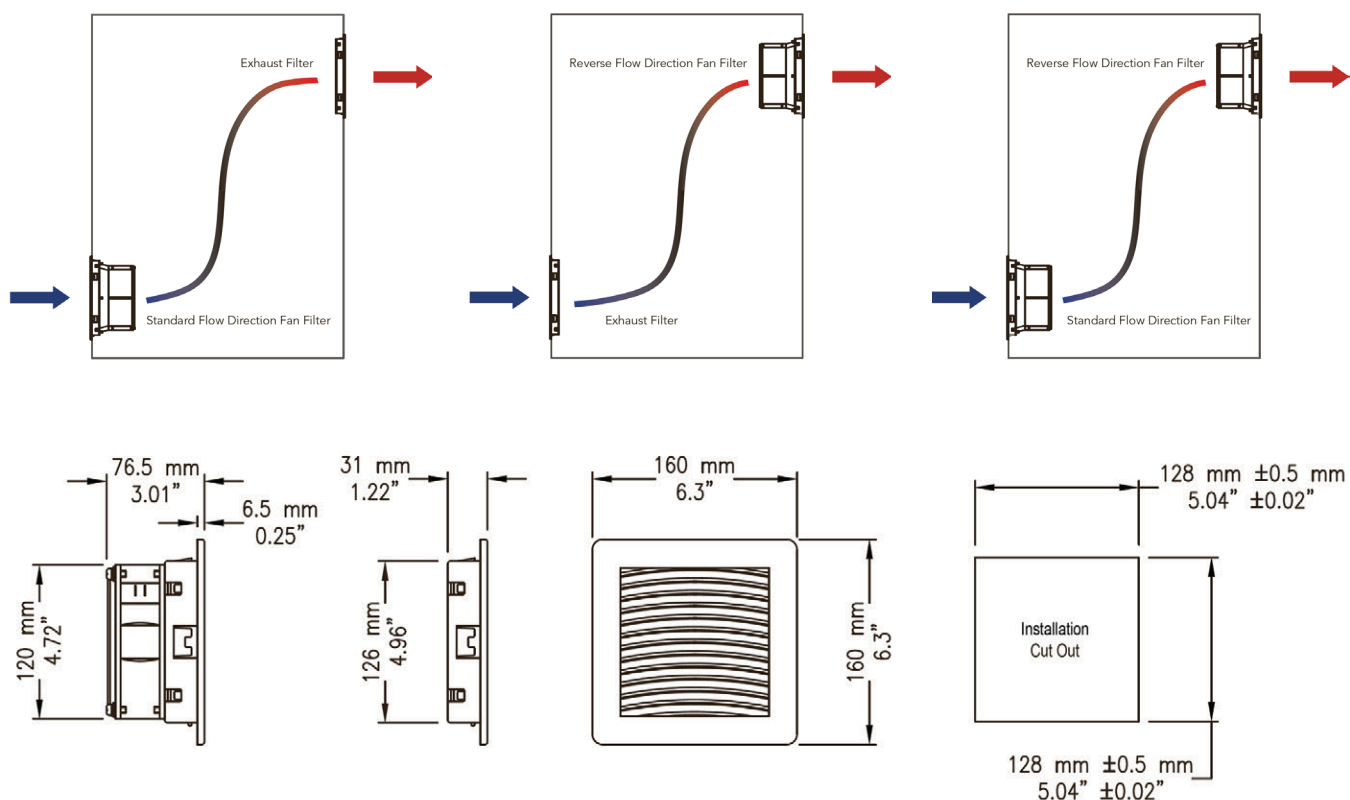
- Type 12 and Type 3R NEMA Rating (no hood required)
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Flow capacity from 28 CFM to 42 CFM (47 m³/hr to 70 m³/hr)
- Easily snaps into place without the use of screws
- Operating/storage temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 - 90,000 hrs
- 2-Pin connector or Screwless terminal connector
- UV Resistant
- Polyurethane sealing gasket

Ball bearing Fan

- Easily snaps into place without the use of screws
- Washable and reusable filter mat
- Robust flame-retardant plastic housing, UL 94-V0
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- UV Resistant

Colors

- RAL 7035 Light Gray
- RAL 7032 Dark Gray
- RAL 9011 Black



FAN SIDE

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m ³ /hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC16L4X-115SB	100-120	Type 12/IP 54	60-56/102-95	1.87/850	L10 50K at 25 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L4X-230SB	200-240	Type 12/IP 54	60-56/102-95	1.87/850	L10 50K at 25 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L4X-24DSB	15-26	Type 12/IP 54	42/70	1.21/510	L10 60K at 45 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L5Z-115SB	100-120	Type 3R/IP 55	50-46/85-78	1.87/850	L10 50K at 25 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L5Z-230SB	200-240	Type 3R/IP 55	50-46/85-78	1.87/850	L10 50K at 25 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L5Z-24DSB	15-26	Type 3R/IP 55	35/60	1.21/510	L10 60K at 45 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L4X-115SBE	85-265 (Energy Saver)	Type 12/IP 54	95/161	1.87/850	L10 70K at 40 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5
AT FTEC16L5Z-115SBE	85-265 (Energy Saver)	Type 3R/IP 55	80/136	1.87/850	L10 70K at 40 °C	6.3 x 6.3 x 3.01 / 160 x 160 x 75.5

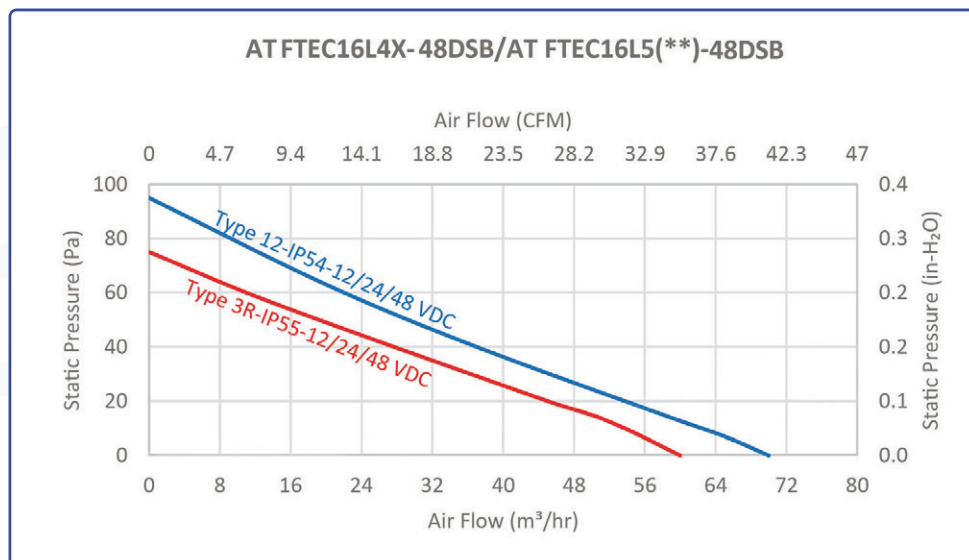
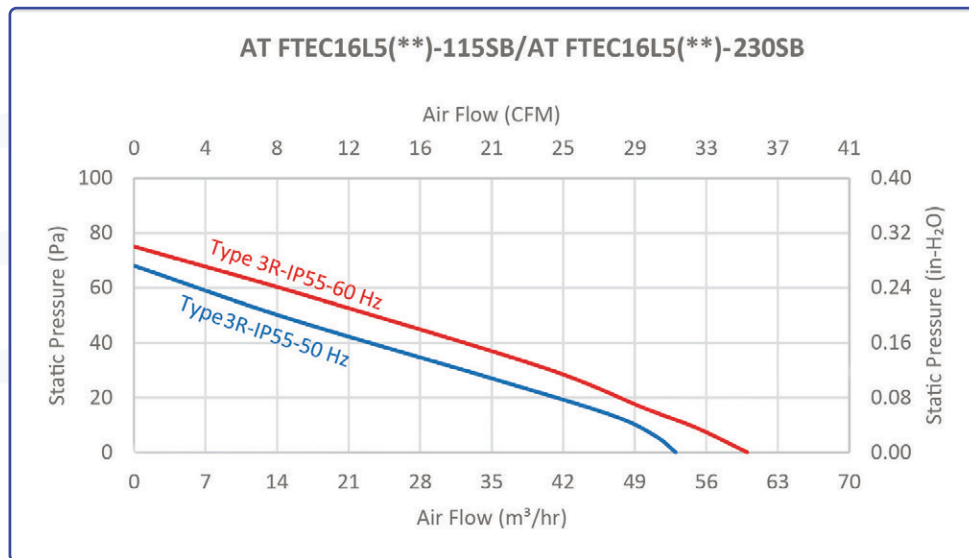
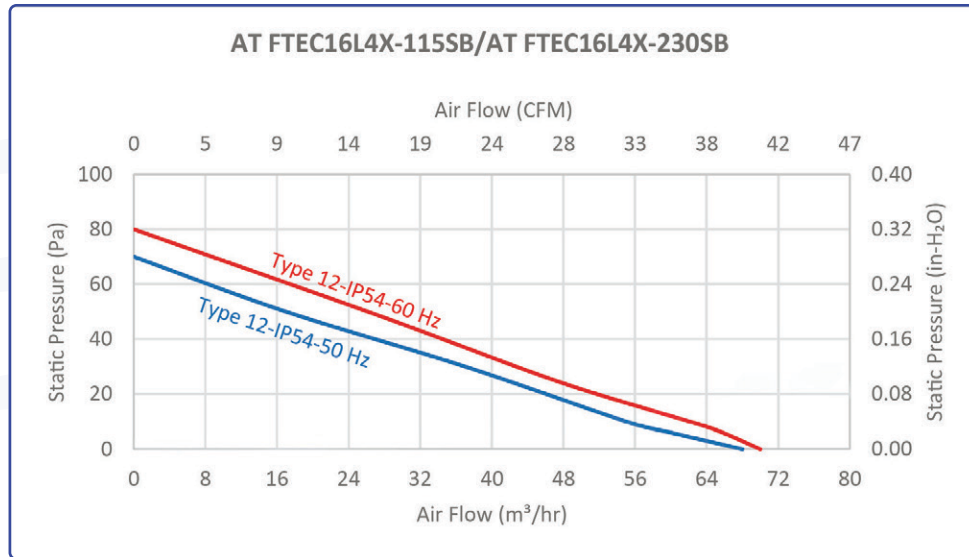
EXHAUST

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m ³ /hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC16L4 x -115SBE	85-265	Type 12/IP 54	95/161	1.87/850	L10 70K at 40 °C	6.3 x 6.3 x 3 / 160 x 160 x 76.5
AT FTEC16L5Z-115SBE	85-265	Type 3R/IP 55	80/136	1.87/850	L10 70K at 40 °C	6.3 x 6.3 x 3 / 160 x 160 x 76.5

RAIN HOOD

Part Number	SIZE	NEMA/IP Rating	USE WITH	Dimensions (In/mm)
AT RAITEC16-4CS5	4" AND 6"	TYPE 3R / 4 304SS	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAITEC16-4XSS4	4" AND 6"	TYPE 4 / 4X 316SS	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAITEC16-FDASS6	4" AND 6"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC10 & AT FTEC16 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95

Testing done under controlled conditions. Actual performance may vary.



AT FTEC16 SERIES PERFORMANCE CHART | 6" FAN FILTER AND EXHAUST FILTER

NEMA Rating	Type 12			Type 12 or Type 3R		
IP Rating	IP 54			IP 55		
Filter Media	G3			G4		
Rated Voltage	100-120 VAC	200-240 VAC	12/24/48 VDC	100-120 VAC	200-240 VAC	12/24/48 VDC
Frequency	60/50 Hz	60/50 Hz		60/50 Hz	60/50 Hz	
Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing
Power connection	3 Poles screwless connector or 2 Pin terminal		Wires	3 Poles screwless connector or 2 Pin terminal		Wires
Fan Filters						
RAL 7035 Light Gray	AT FTEC16L4X-115SB	AT FTEC16L4X-230SB	AT FTEC16L4X-(*)DSB	AT FTEC16L5(**)-115SB	AT FTEC16L5(**)-230SB	AT FTEC16L5(**)-(*)DSB
RAL 7032 Dark Gray	AT FTEC16D4X-115SB	AT FTEC16D4X-230SB	AT FTEC16D4X-(*)DSB	AT FTEC16D5(**)-115SB	AT FTEC16D5(**)-230SB	AT FTEC16D5(**)-(*)DSB
RAL 9011 Black	AT FTEC16B4X-115SB	AT FTEC16B4X-230SB	AT FTEC16B4X-(*)DSB	AT FTEC16B5(**)-115SB	AT FTEC16B5(**)-230SB	AT FTEC16B5(**)-(*)DSB
Reverse Flow Fan Filter	AT FTEC16L4X-115RB	AT FTEC16L4X-230RB	AT FTEC16L4X-(*)DRB	AT FTEC16L5(**)-115RB	AT FTEC16L5(**)-230RB	AT FTEC16L5(**)-(*)DRB
Flow Capacity (CFM-m3/hr at 60/50 Hz) and Maximum Static Pressure (in H2O-Pa at 60/50 Hz)						
Unimpeded (***)	42/40 CFM-70/68 m³/hr	42/40 CFM-70/68 m³/hr	42 CFM-70 m³/hr	35/31 CFM-60/52 m³/hr	35/31 CFM-60/52 m³/hr	35 CFM-60 m³/hr
In combination						
Fan Filter+ Exhaust Filter	35/32 CFM-60/55 m³/hr	35/32 CFM-60/55 m³/hr	35 CFM-60 m³/hr	30/28 CFM-50/47 m³/hr	30/28 CFM-50/47 m³/hr	30 CFM-50 m³/hr
Max. Static Pressure	0.32/0.28-80/70	0.32/0.28-80/70	0.38-95	0.30/0.27-75/68	0.30/0.27-75/68	0.30-75
Fan Filter+ Reverse Flow Fan Filter	40/37 CFM-68/63 m³/hr	40/37 CFM-68/63 m³/hr	40 CFM-68 m³/hr	33/30 CFM-56/50 m³/hr	33/30 CFM-56/50 m³/hr	33 CFM-56 m³/hr
Max. Static Pressure	0.34/0.32-84/80	0.34/0.32-84/80	0.34-85	0.32/0.30-80/75	0.32/0.30-80/75	0.32-80
Other Fan Filters Data						
Power Input	17/20 W	17/20 W	10.6 / 10.3 / 10.6 W	17/20 W	17/20 W	10.6 / 10.3 / 10.6 W
Weight	850 gram / 1.87 lb		510 gram / 1.21 lb	850 gram / 1.87 lb		510 gram / 1.21 lb
Noise Level	45/41 dB (A)		50 dB (A)	45/41 dB (A)		50 dB (A)
Durability	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C
Operating Temperature	-20 to +70 °C / -4 to +158 °F			-20 to +70 °C / -4 to +158 °F		
Dimensions	6.3" X 6.3" X 3.01" / 160 X 160 X 76.5 mm³			6.3" X 6.3" X 3.01" / 160 X 160 X 76.5 mm³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	AT FTEC16L4X			AT FTEC16L5(**)		
RAL 7032 Dark Gray	AT FTEC16D4X			AT FTEC16D5(**)		
RAL 9011 Black	AT FTEC16B4X			AT FTEC16B5(**)		
Dimensions	6.3" X 6.3" X 1.22" / 160 X 160 X 31 mm³			6.3" X 6.3" X 1.22" / 160 X 160 X 31 mm³		
Weight	200 gram / 0.44 lb			200 gram / 0.44 lb		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	AT FTEC10-FM-4			AT FTEC10-FM-5		
NO Thermostat (°F)	AT TTEC-200-F			AT TTEC-200-F		

(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

(**) X represents Type 12, IP 54 or IP 55, Z represents Type 3R IP 55

(***) Flow capacity at 90 VAC - 60 Hz (Type 12) is 35 CFM



AT FTEC20

8" FANS FILTERED FAN PACKS

AT FTEC20 series Fan Filters and Exhaust Filters are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, AT FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.



Certifications:

- UL and cUL Listed, File Number E497874
- CSA and CSAus Listed, File Number 80030884
- CE Compliant

Features:

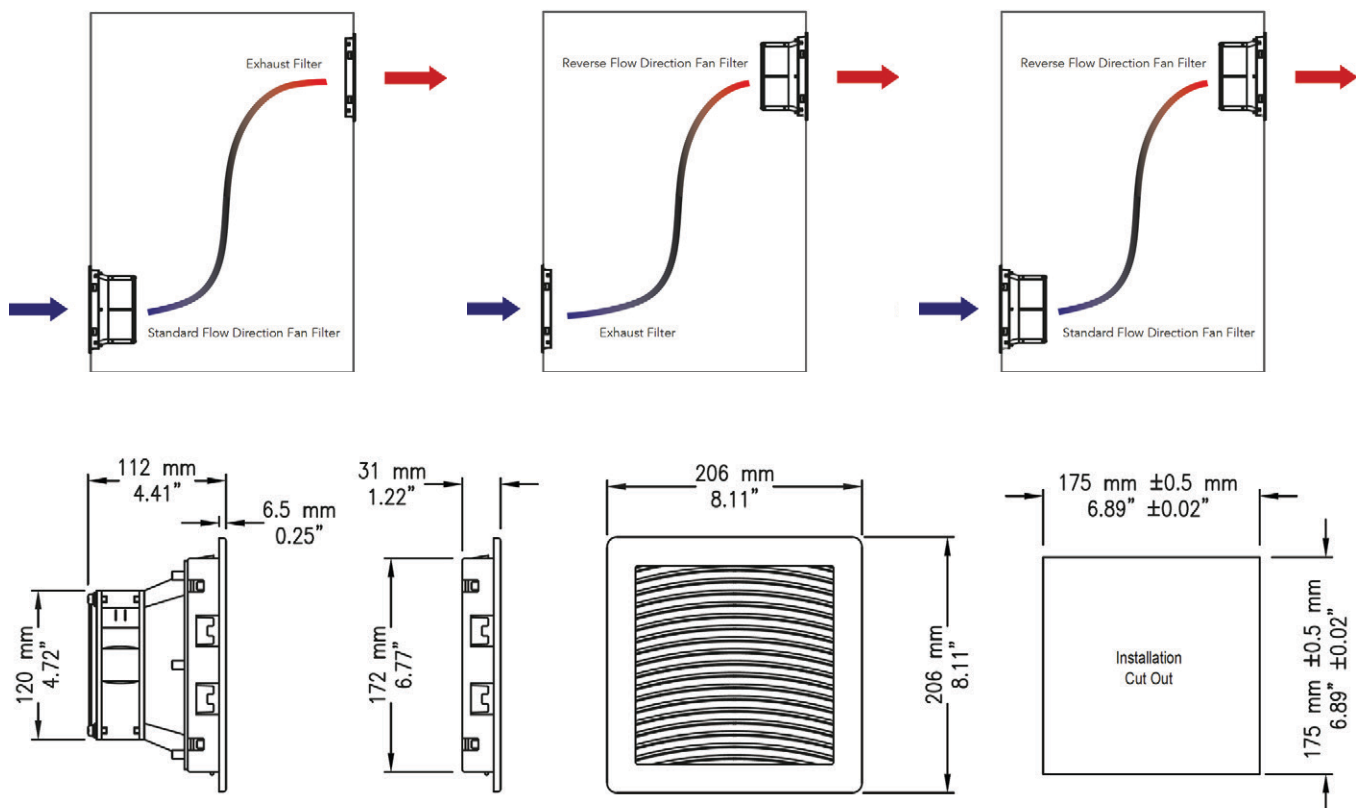
- Type 12 and Type 3R NEMA Rating (no hood required)
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Flow capacity from 57 CFM to 95 CFM (97 m³/hr to 160 m³/hr)
- Easily snaps into place without the use of screws
- Operating/storage temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 - 90,000 hrs
- 2-Pin connector or Screwless terminal connector
- UV Resistant
- Polyurethane sealing gasket

Ball bearing Fan

- Easily snaps into place without the use of screws
- Washable and reusable filter mat
- Robust flame-retardant plastic housing, UL 94-V0
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- UV Resistant

Colors

- RAL 7035 Light Gray
- RAL 7032 Dark Gray
- RAL 9011 Black



FAN SIDE

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC20L4X-115SB	200-240	Type 12/IP 54	95-90/160-152	2.1/950	L10 50K at 25 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L4X-24DSB	15-26	Type 12/IP 54	90/152	1.35/610	L10 60K at 45 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L5Z-115SB	100-120	Type 3R/IP 55	80-76/135-128	2.1/950	L10 50K at 25 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L4X-115SB	200-240	Type 3R/IP 55	80-76/135-128	2.1/950	L10 50K at 25 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L4X-24DSB	15-26	Type 3R/IP 55	76/128	1.35/610	L10 60K at 45 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L4X-115SBE	85-265 (Energy Saver)	Type 12/IP 54	110/187	2.1/950	L10 70K at 40 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L5Z-115SBE	85-265 (Energy Saver)	Type 12/IP 54	90/153	2.1/950	L10 70K at 40 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112

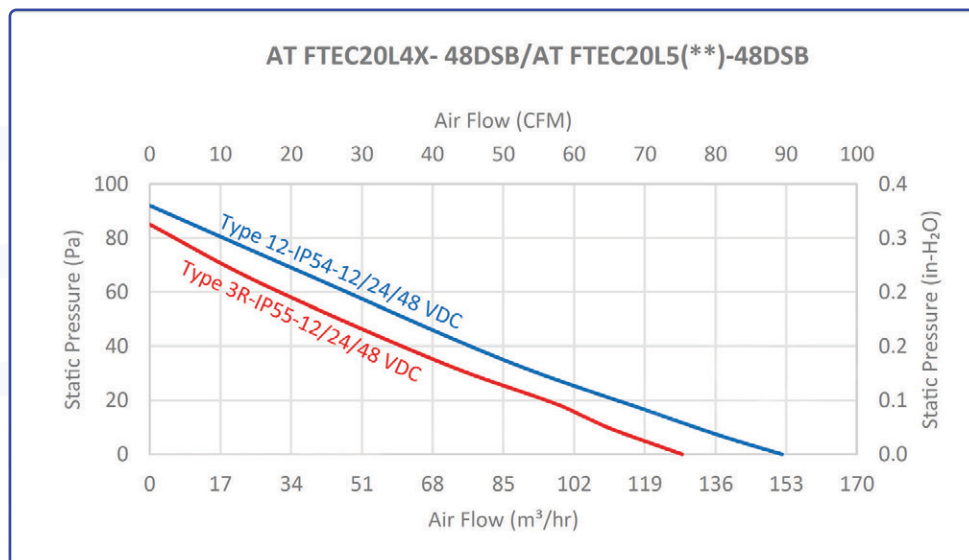
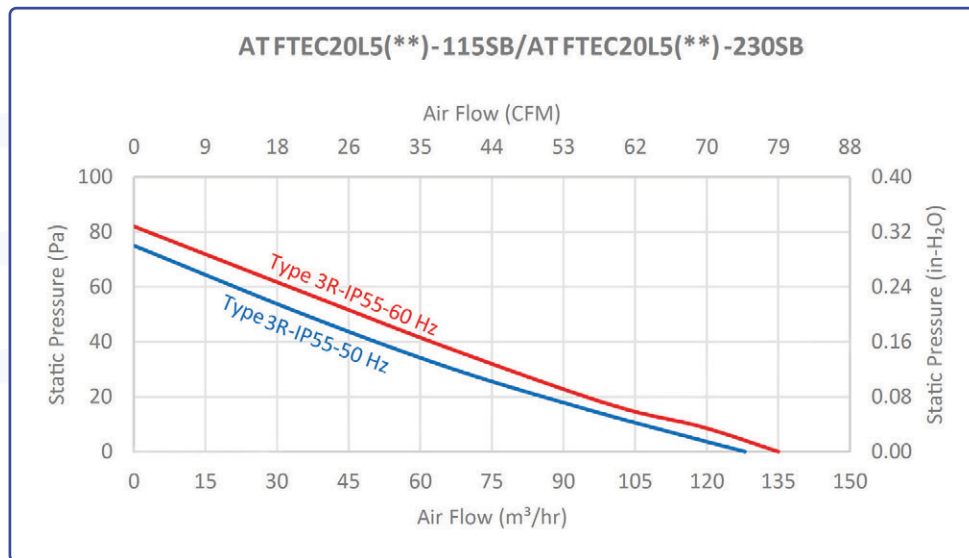
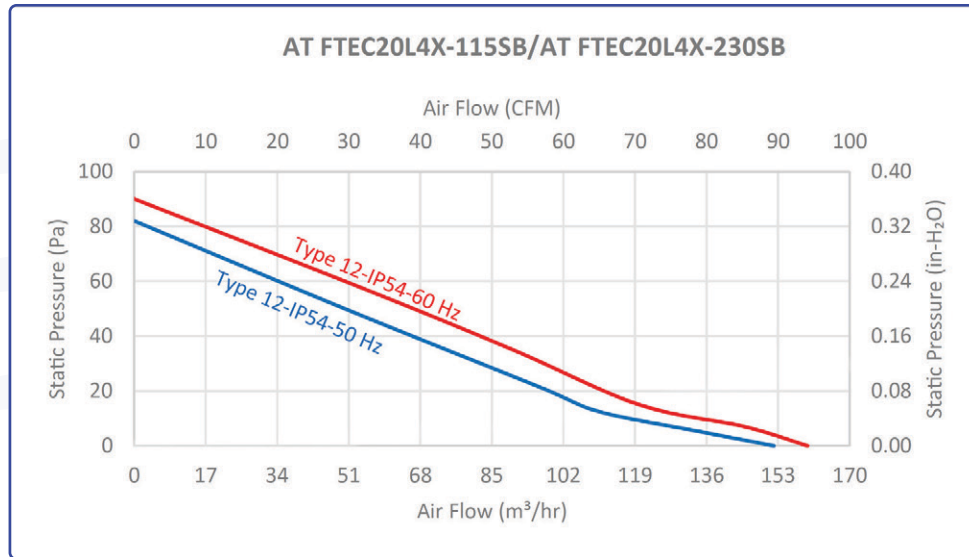
EXHAUST

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC20L4X-115SBE	85-265	Type 12/IP 54	110/187	2.1/950	L10 70K at 40 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112
AT FTEC20L5Z-115SBE	85-265	Type 3R/IP 55	90/153	2.1/950	L10 70K at 40 °C	8.11 x 8.11 x 4.41 / 206 x 206 x 112

RAIN HOOD

Part Number	SIZE	NEMA/IP Rating	USE WITH	Dimensions (In/mm)
AT RAINTEC26-4CSS	8" AND 10"	TYPE 3R / 4 304SS	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAINTEC26-4XSS6	8" AND 10"	TYPE 4 / 4X 316SS	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAINTEC26-FDASS6	8" AND 10"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95

Testing done under controlled conditions. Actual performance may vary.



AT FTEC20 SERIES PERFORMANCE CHART | 8" FAN FILTER AND EXHAUST FILTER

NEMA Rating	Type 12			Type 12 or Type 3R		
IP Rating	IP 54			IP 55		
Filter Media	G3			G4		
Rated Voltage	100-120 VAC	200-240 VAC	12/24/48 VDC	100-120 VAC	200-240 VAC	12/24/48 VDC
Frequency	60/50 Hz	60/50 Hz		60/50 Hz	60/50 Hz	
Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing
Power connection	3 Poles screwless connector or 2 Pin terminal		Wires	3 Poles screwless connector or 2 Pin terminal		Wires
Fan Filters						
RAL 7035 Light Gray	AT FTEC20L4X-115SB	AT FTEC20L4X-230SB	AT FTEC20L4X-(*)DSB	AT FTEC20L5(**)-115SB	AT FTEC20L5(**)-230SB	AT FTEC20L5(**)-(*)DSB
RAL 7032 Dark Gray	AT FTEC20D4X-115SB	AT FTEC20D4X-230SB	AT FTEC20D4X-(*)DSB	AT FTEC20D5(**)-115SB	AT FTEC20D5(**)-230SB	AT FTEC20D5(**)-(*)DSB
RAL 9011 Black	AT FTEC20B4X-115SB	AT FTEC20B4X-230SB	AT FTEC20B4X-(*)DSB	AT FTEC20B5(**)-115SB	AT FTEC20B5(**)-230SB	AT FTEC20B5(**)-(*)DSB
Reverse Flow Fan Filter	AT FTEC20L4X-115RB	AT FTEC20L4X-230RB	AT FTEC20L4X-(*)DRB	AT FTEC20L5(**)-115RB	AT FTEC20L5(**)-230RB	AT FTEC20L5(**)-(*)DRB
Flow Capacity (CFM-m3/hr at 60/50 Hz) and Maximum Static Pressure (in H2O-Pa at 60/50 Hz)						
Unimpeded (***)	95/90 CFM 160/152 m³/hr	95/90 CFM 160/152 m³/hr	90 CFM-152 m³/hr	80/76 CFM 135/128 m³/hr	80/76 CFM 135/128 m³/hr	76 CFM-128 m³/hr
In combination						
Fan Filter+ Exhaust Filter	70/65 CFM 120/110 m³/hr	70/65 CFM 120/110 m³/hr	70 CFM 120 m³/hr	60/55 CFM 100/95 m³/hr	60/55 CFM 100/95 m³/hr	57 CFM 97 m³/hr
Max. Static Pressure	0.36/0.33-90/82	0.36/0.33-90/82	0.37-92	0.33/0.30-82/75	0.33/0.30-82/75	0.34-85
Fan Filter+ Reverse Flow Fan Filter	80/75 CFM 135/127 m³/hr	80/75 CFM 135/127 m³/hr	77 CFM 130 m³/hr	70/65 CFM 120/110 m³/hr	70/65 CFM 120/110 m³/hr	67 CFM 115 m³/hr
Max. Static Pressure	0.39/0.34-96/85	0.39/0.34-96/85	0.40-100	0.35/0.33-87/82	0.35/0.33-87/82	0.36-90
Other Fan Filters Data						
Power Input	17/20 W	17/20 W	10.6 / 10.3 / 10.6 W	17/20 W	17/20 W	10.6 / 10.3 / 10.6 W
Weight	850 gram / 1.87 lb		510 gram / 1.21 lb	850 gram / 1.87 lb		510 gram / 1.21 lb
Noise Level	45/41 dB (A)		50 dB (A)	45/41 dB (A)		50 dB (A)
Durability	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C	50,000 @ 25 °C	50,000 @ 25 °C	60,000 @ 45 °C
Operating Temperature	-20 to +70 °C / -4 to +158 °F			-20 to +70 °C / -4 to +158 °F		
Dimensions	8.11" X 8.11" X 4.41" / 206 X 206 X 112 mm³			8.11" X 8.11" X 4.41" / 206 X 206 X 112 mm³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	AT FTEC20L4X			AT FTEC20L5(**)		
RAL 7032 Dark Gray	AT FTEC20D4X			AT FTEC20D5(**)		
RAL 9011 Black	AT FTEC20B4X			AT FTEC20B5(**)		
Dimensions	8.11" X 8.11" X 1.22" / 206 X 206 X 31 mm³			8.11" X 8.11" X 1.22" / 206 X 206 X 31 mm³		
Weight	300 gram / 0.66 lb			300 gram / 0.66 lb		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	AT FTEC10-FM-4			AT FTEC10-FM-5		
NO Thermostat (°F)	AT TTEC-200-F			AT TTEC-200-F		

(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

(**) X represents Type 12, IP 54 or IP 55, Z represents Type 3R IP 55

(***) Flow capacity at 90 VAC - 60 Hz (Type 12) is 80 CFM



AT FTEC26

10" FANS FILTERED FAN PACKS

AT FTEC26 series Fan Filters and Exhaust Filters are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, AT FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.



Certifications:

- UL and cUL Listed, File Number E497874
- CSA and CSAus Listed, File Number 80030884
- CE Compliant

Features:

- Type 12 and Type 3R NEMA Rating (no hood required)
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Flow capacity from 125 CFM to 170 CFM (212 m³/hr to 290 m³/hr)
- Easily snaps into place without the use of screws
- Operating/storage temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 - 90,000 hrs
- 2-Pin connector or Screwless terminal connector
- UV Resistant
- Polyurethane sealing gasket

Ball bearing Fan

- Easily snaps into place without the use of screws
- Washable and reusable filter mat
- Robust flame-retardant plastic housing, UL 94-V0
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- UV Resistant

Colors

- RAL 7035 Light Gray
- RAL 7032 Dark Gray
- RAL 9011 Black



AT FTEC26

10" FANS FILTERED FAN PACKS

FAN SIDE

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC26L4X-115SB	100-120	Type 12/IP 54	165-155/280-265	3.53/1600	L10 50K at 25 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-230SB	200-240	Type 12/IP 54	165-155/280-265	3.53/1600	L10 50K at 25 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-24DSB	15-27	Type 12/IP 54	170/290	3.53/1600	L10 90K at 35 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-115SB	100-120	Type 3R/IP 55	130-125/220-212	3.53/1600	L10 50K at 25 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-230SB	200-240	Type 3R/IP 55	130-125/220-212	3.53/1600	L10 50K at 25 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-24DSB	15-27	Type 3R/IP 55	155/265	3.53/1600	L10 90K at 35 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-115SBB	100-120	Type 12/IP 54	230-200/390-340	3.64/1650	L10 50K at 55 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-230SBB	200-240	Type 12/IP 54	165-155/280-265	3.64/1650	L10 50K at 55 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-115SBB	100-120	Type 3R/IP 55	130-125/220-212	3.64/1650	L10 50K at 55 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-230SBB	200-240	Type 3R/IP 55	130-125/220-212	3.64/1650	L10 50K at 55 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-115SBE	100-120 (Energy Saver)	Type 12/IP 54	230/390	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L4X-230SBE	200-240 (Energy Saver)	Type 12/IP 54	230/390	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-115SBE	100-120 (Energy Saver)	Type 3R/IP 55	185/315	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5
AT FTEC26L5Z-230SBE	200-240 (Energy Saver)	Type 3R/IP 55	185/315	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124.5

EXHAUST

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC26L4X-115SBE	100-120	Type 12/IP 54	230/390	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124
AT FTEC26L4X-230SBE	200-240	Type 12/IP 54	230/390	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 124
AT FTEC26L5Z-115SBE	100-120	Type 3R/IP 55	185/315	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 125
AT FTEC26L5Z-230SBE	200-240	Type 3R/IP 55	185/315	3.53/1600	L10 70K at 40 °C	10.24 x 10.24 x 4.90 / 260 x 260 x 126

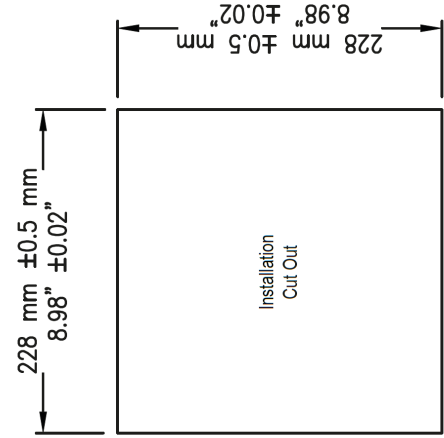
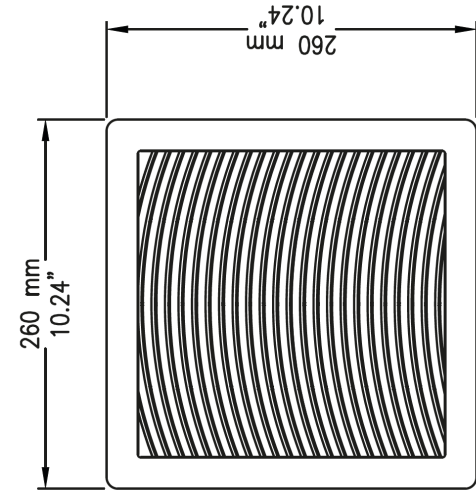
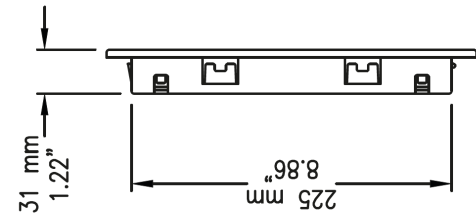
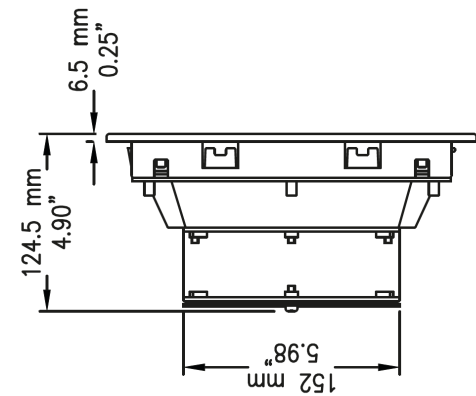
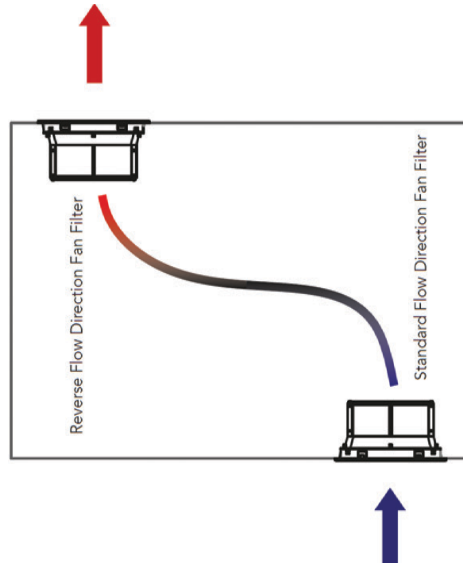
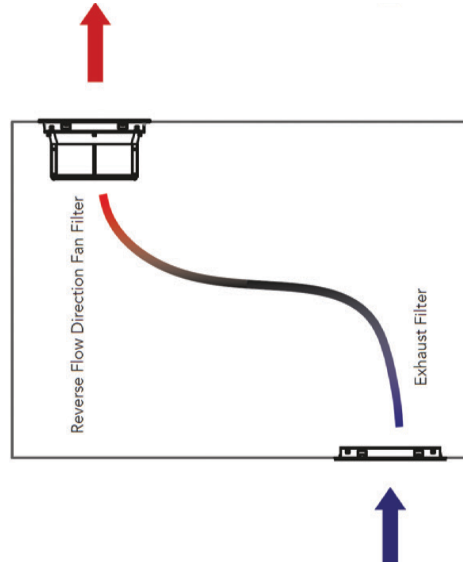
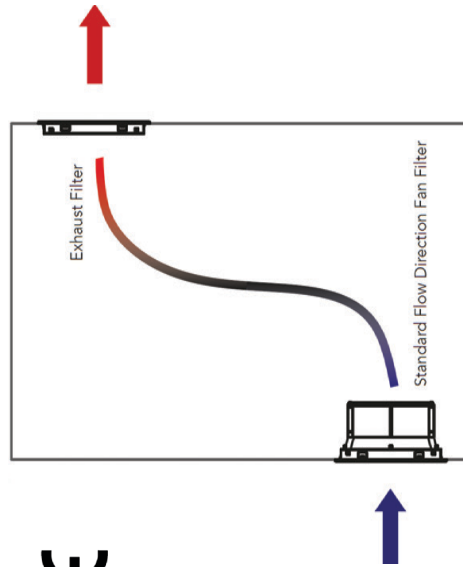
RAIN HOOD

Part Number	SIZE	NEMA/IP Rating	USE WITH	Dimensions (In/mm)
AT RAINTEC26-4CS5	8" AND 10"	TYPE 3R / 4 304SS	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAINTEC26-4XSS6	8" AND 10"	TYPE 4 / 4X 316SS	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95
AT RAINTEC26-FDASS6	8" AND 10"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC20 & AT FTEC126 series	11.29 x 8.9 x 3.74 / 287 x 226 x 95



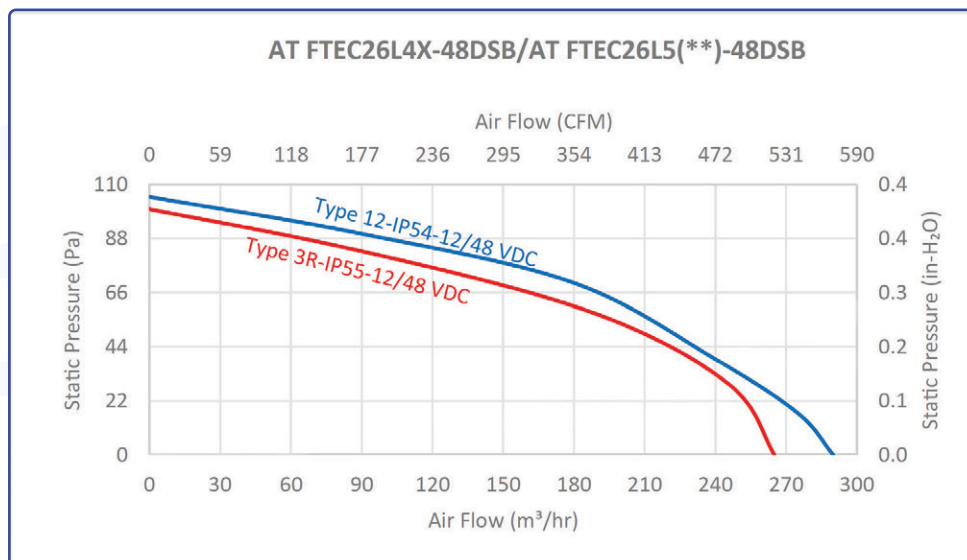
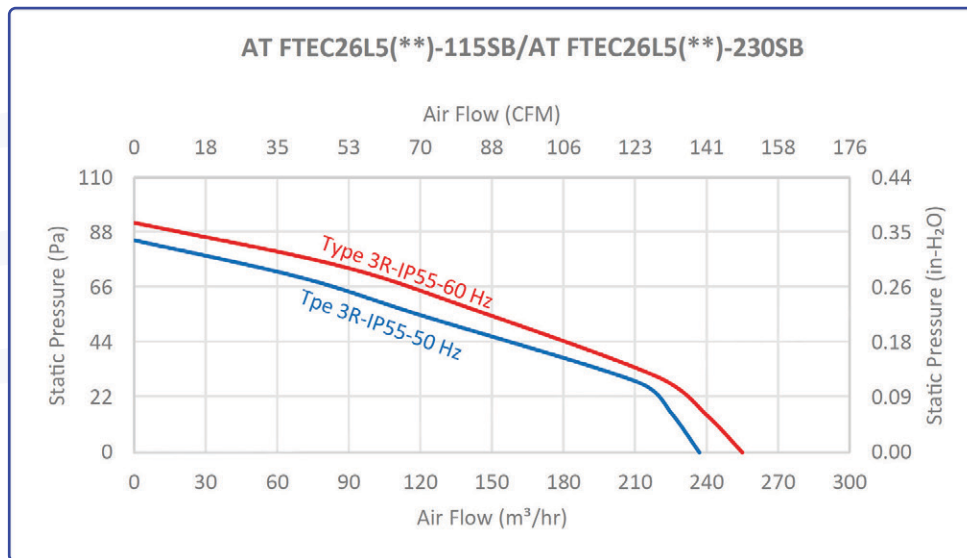
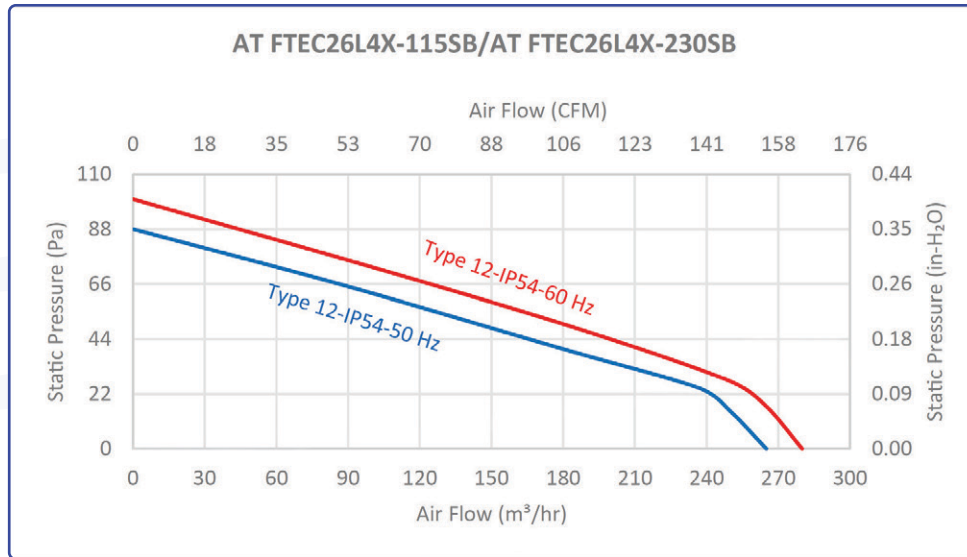
AT FTEC26

10" FANS FILTERED FAN PACK | FLOW DIRECTION & DRAWINGS



7/22/2026

Testing done under controlled conditions. Actual performance may vary.



AT FTEC26 SERIES PERFORMANCE CHART | 10" FAN FILTER AND EXHAUST FILTER

NEMA Rating	Type 12			Type 12 or Type 3R		
IP Rating	IP 54			IP 55		
Filter Media	G3			G4		
Rated Voltage	100-120 VAC	200-240 VAC	12/24/48 VDC	100-120 VAC	200-240 VAC	12/24/48 VDC
Frequency	60/50 Hz	60/50 Hz		60/50 Hz	60/50 Hz	
Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing
Power connection	3 Poles screwless connector or 2 Pin terminal		Wires	3 Poles screwless connector or 2 Pin terminal		Wires
Fan Filters						
RAL 7035 Light Gray	AT FTEC26L4X-115SB	AT FTEC26L4X-230SB	AT FTEC26L4X-(*)DSB	AT FTEC26L5(**)-115SB	AT FTEC26L5(**)-230SB	AT FTEC26L5(**)-(*)DSB
RAL 7032 Dark Gray	AT FTEC26D4X-115SB	AT FTEC26D4X-230SB	AT FTEC26D4X-(*)DSB	AT FTEC26D5(**)-115SB	AT FTEC26D5(**)-230SB	AT FTEC26D5(**)-(*)DSB
RAL 9011 Black	AT FTEC26B4X-115SB	AT FTEC26B4X-230SB	AT FTEC26B4X-(*)DSB	AT FTEC26B5(**)-115SB	AT FTEC26B5(**)-230SB	AT FTEC26B5(**)-(*)DSB
Reverse Flow Fan Filter	AT FTEC26L4X-115RB	AT FTEC26L4X-230RB	AT FTEC26L4X-(*)DRB	AT FTEC26L5(**)-115RB	AT FTEC26L5(**)-230RB	AT FTEC26L5(**)-(*)DRB
Flow Capacity (CFM-m3/hr at 60/50 Hz) and Maximum Static Pressure (in H2O-Pa at 60/50 Hz)						
Unimpeded (***)	165/155 CFM 280/265 m³/hr	165/155 CFM 280/265 m³/hr	170 CFM - 290 m³/hr	150/140 CFM 255/237 m³/hr	150/140 CFM 255/237 m³/hr	155 CFM - 265 m³/hr
In combination						
Fan Filter+ Exhaust Filter	147/140 CFM 250/237 m³/hr	147/140 CFM 250/237 m³/hr	150 CFM - 255 m³/hr	130/125 CFM 220/212 m³/hr	130/125 CFM 220/212 m³/hr	137 CFM - 230 m³/hr
Max. Static Pressure	0.40/0.35 - 100/88	0.40/0.35 - 100/88	0.42 - 105	0.37/0.34 - 92/85	0.37/0.34 - 92/85	0.40 - 100
Fan Filter+ Reverse Flow Fan Filter	155/150 CFM 265/255 m³/hr	155/150 CFM 265/255 m³/hr	160 CFM - 270 m³/hr	140/133 CFM 237/225 m³/hr	140/133 CFM 237/225 m³/hr	147 CFM - 250 m³/hr
Max. Static Pressure	0.46/0.43 - 115/107	0.46/0.43 - 115/107	0.48 - 120	0.42/0.40 - 105/100	0.42/0.40 - 105/100	0.44 - 110
Other Fan Filters Data						
Power Input	40/43 W	36/38 W	23 / 24 / 23.5 W	40/43 W	36/38 W	23 / 24 / 23.5 W
Weight	1600 gram / 3.53 lb		1600 gram / 3.53 lb	1600 gram / 3.53 lb		1600 gram / 3.53 lb
Noise Level	46/58 dB (A)		59 dB (A)	46/58 dB (A)		59 dB (A)
Durability	50,000 @ 25 °C	50,000 @ 25 °C	90,000 @ 35 °C	50,000 @ 25 °C	50,000 @ 25 °C	90,000 @ 35 °C
Operating Temperature	-20 to +70 °C / -4 to +158 °F			-20 to +70 °C / -4 to +158 °F		
Dimensions	10.24" x 10.24" x 4.90" / 260 x 260 x 124.5 mm³			10.24" x 10.24" x 4.90" / 260 x 260 x 124.5 mm³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	AT FTEC26L4X			AT FTEC26L5(**)		
RAL 7032 Dark Gray	AT FTEC26D4X			AT FTEC26D5(**)		
RAL 9011 Black	AT FTEC26B4X			AT FTEC26B5(**)		
Dimensions	10.24" x 10.24" x 1.22" / 260 x 260 x 31 mm³			10.24" x 10.24" x 1.22" / 260 x 260 x 31 mm³		
Weight	450 gram / 1 lb			450 gram / 1 lb		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	AT FTEC26-FM-4			AT FTEC26-FM-5		
NO Thermostat (°F)	AT TTEC-200-F			AT TTEC-200-F		

(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

(**) X represents Type 12, IP 54 or IP 55, Z represents Type 3R IP 55

(***) Flow capacity at 90 VAC - 60 Hz (Type 12) is 130 CFM

AT FTEC32

12" FANS FILTERED FAN PACKS

AT FTEC32 series Fan Filters and Exhaust Filters are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, AT FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.



Certifications:

- UL and cUL Listed, File Number E497874
- CSA and CSAus Listed, File Number 80030884
- CE Compliant

Features:

- Type 12 and Type 3R NEMA Rating (no hood required)
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Flow capacity from 180 CFM to 550 CFM (305 m³/hr to 935 m³/hr)
- Easily snaps into place without the use of screws
- Operating/storage temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 - 90,000 hrs
- 2-Pin connector or Screwless terminal connector
- UV Resistant
- Polyurethane sealing gasket

Ball bearing Fan

- Easily snaps into place without the use of screws
- Washable and reusable filter mat
- Robust flame-retardant plastic housing, UL 94-V0
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- UV Resistant

Colors

- RAL 7035 Light Gray
- RAL 7032 Dark Gray
- RAL 9011 Black

AT FTEC32

12" FANS FILTERED FAN PACKS

FAN SIDE

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC32L4X-230SBB	200-240	Type 12/IP 54	450-425/765-722	8.15/3700	L10 80K at 35 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-115SBB	100-120	Type 3R/IP 55	418-396/712-675	8.15/3700	L10 80K at 35 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-230SBB	200-240	Type 3R/IP 55	418-396/712-675	8.15/3700	L10 80K at 35 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-115SBB	100-120	Type 12/IP 54	625-595/1060-1010	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-230SBB	200-240	Type 12/IP 54	625-595/1060-1010	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-115SBB	100-120	Type 3R/IP 55	595-565/1010-960	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-230SBB	200-240	Type 3R/IP 55	595-565/1010-960	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-440SBB	440-480	Type 12/IP 54	625-595/1060-1010	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-440SBB	440-480	Type 3R/IP 55	595-565/1010-960	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-115SBE	100-120 (Energy Saver)	Type 12/IP 54	530/900	8.15/3700	L10 70K at 40 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-230SBE	200-240 (Energy Saver)	Type 12/IP 54	530/900	8.15/3700	L10 70K at 40 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-115SBE	100-120 (Energy Saver)	Type 3R/IP 55	420/714	8.15/3700	L10 70K at 40 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-230SBE	200-240 (Energy Saver)	Type 3R/IP 55	420/714	8.15/3700	L10 70K at 40 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162

EXHAUST

Part Number	Voltage (VAC/VDC)	NEMA/IP Rating	Flow Capacity* (CFM/m³/hr)	Weight (lb/gram)	Operation (hrs)	Dimensions (In/mm)
AT FTEC32L4X-115SBE	100-120	Type 12/IP 54	530/900	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-230SBE	200-240	Type 12/IP 54	530/900	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L5Z-115SBE	100-120	Type 3R/IP 55	420/714	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162
AT FTEC32L4X-230SBE	200-240	Type 3R/IP 55	420/714	8.15/3700	L10 50K at 55 °C	12.84 x 12.84 x 6.38 / 326 x 326 x 162

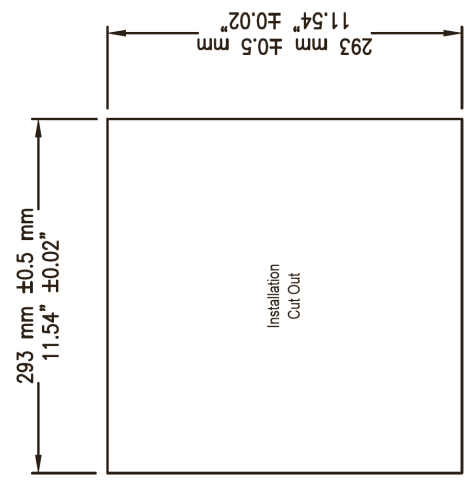
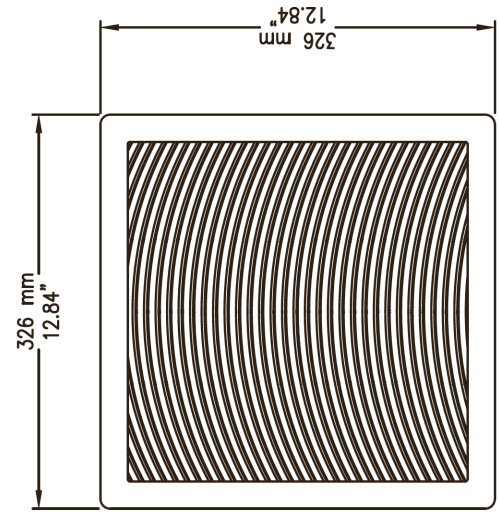
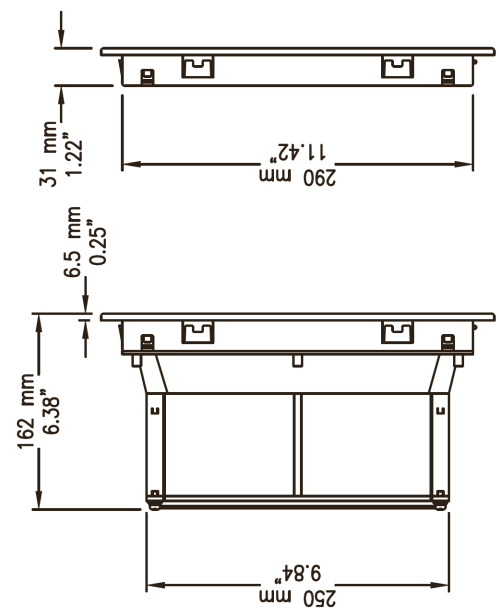
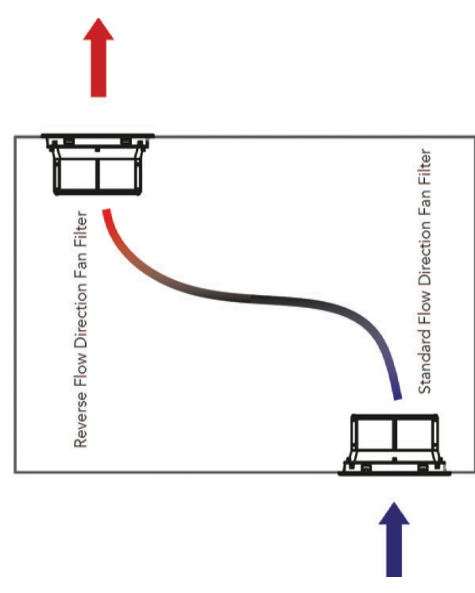
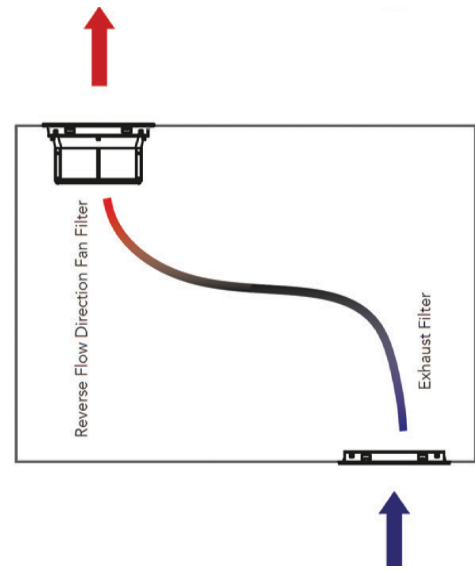
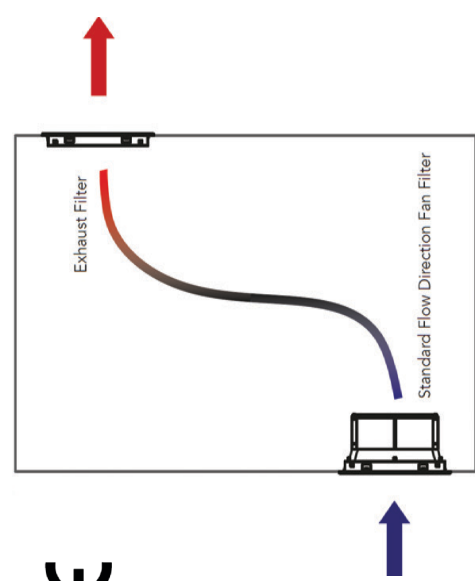
RAIN HOOD

Part Number	SIZE	NEMA/IP Rating	USE WITH	Dimensions (In/mm)
AT RAITEC32-4CS5	12"	TYPE 3R / 4 304SS	AT FTEC32	17.80" x 15.83" x 3.74" (452 x 402 x 95 mm)
AT RAITEC75-4CS5	12"	TYPE 4 / 4X 316SS	AT FTEC32	17.80" x 29.33" x 3.74" (452 x 745 x 95 mm)
AT RAITEC32-FDASS6	12"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC32	17.80" x 15.83" x 3.74" (452 x 402 x 95 mm)
AT RAITEC75-FDASS6	12"	TYPE 4 / 4X 316SS FDA APPROVED	AT FTEC32	17.80" x 29.33" x 3.74" (452 x 745 x 95 mm)



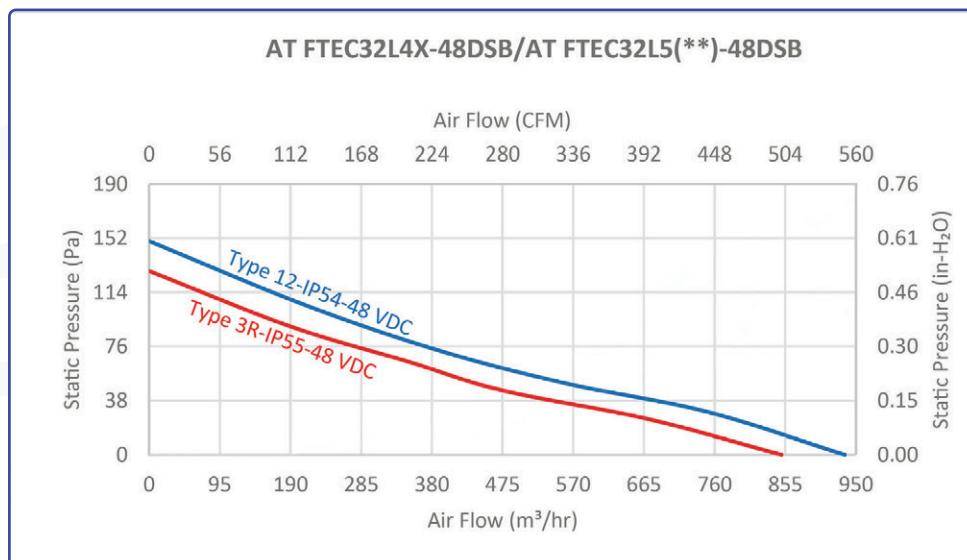
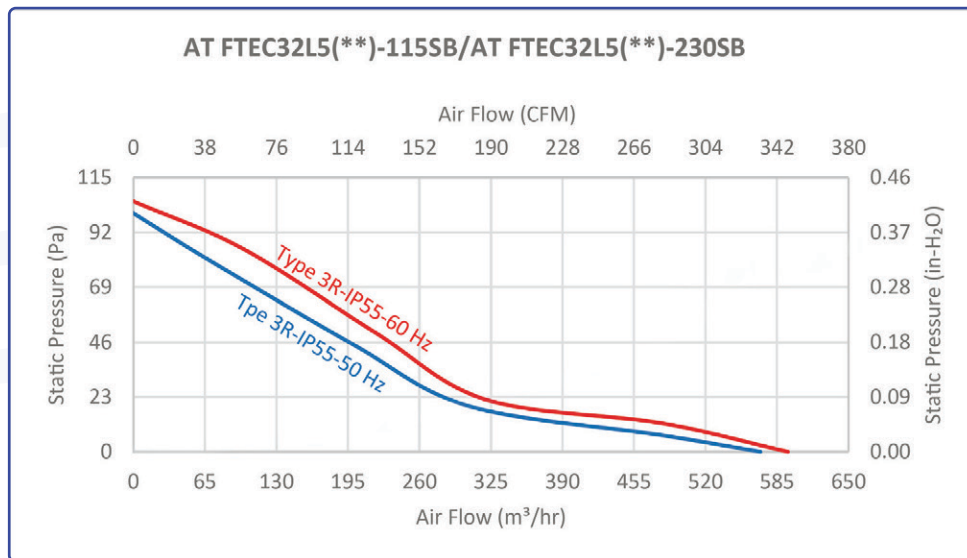
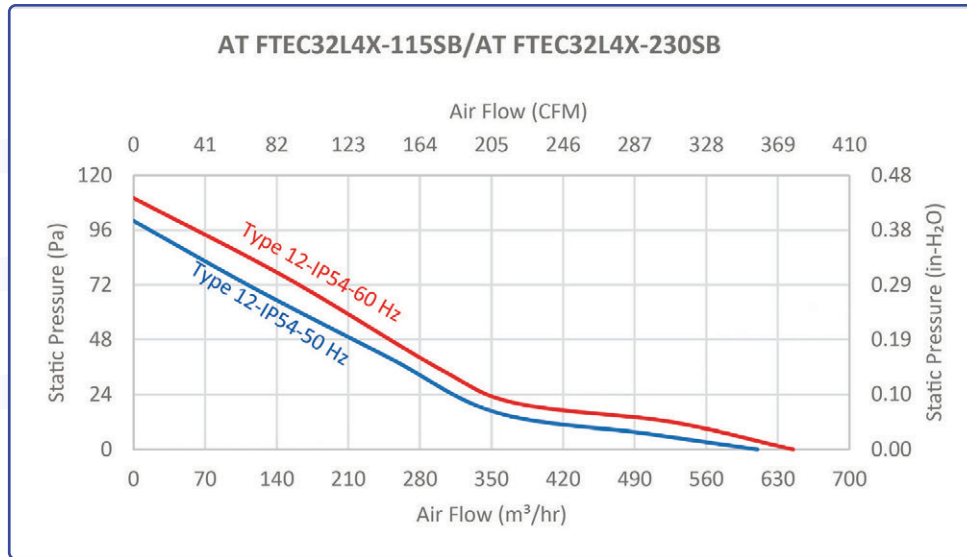
AT FTEC32

12" FANS FILTERED FAN PACK | FLOW DIRECTION & DRAWINGS



7/22/2026

Testing done under controlled conditions. Actual performance may vary.



AT FTEC32 SERIES PERFORMANCE CHART | 12" FAN FILTER AND EXHAUST FILTER

NEMA Rating	Type 12			Type 12 or Type 3R		
IP Rating	IP 54			IP 55		
Filter Media	G3			G4		
Rated Voltage	100-120 VAC	200-240 VAC	12/24/48 VDC	100-120 VAC	200-240 VAC	12/24/48 VDC
Frequency	60/50 Hz	60/50 Hz		60/50 Hz	60/50 Hz	
Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing	Two Ball Bearing
Power connection	3 Poles screwless connector or 2 Pin terminal		Wires	3 Poles screwless connector or 2 Pin terminal		Wires
Fan Filters						
RAL 7035 Light Gray	AT FTEC32L4X-115SB	AT FTEC32L4X-230SB	AT FTEC32L4X-(*)DSB	AT FTEC32L5(**)-115SB	AT FTEC32L5(**)-230SB	AT FTEC32L5(**)-(*)DSB
RAL 7032 Dark Gray	AT FTEC32D4X-115SB	AT FTEC32D4X-230SB	AT FTEC32D4X-(*)DSB	AT FTEC32D5(**)-115SB	AT FTEC32D5(**)-230SB	AT FTEC32D5(**)-(*)DSB
RAL 9011 Black	AT FTEC32B4X115SB	AT FTEC32B4X-230SB	AT FTEC32B4X-(*)DSB	AT FTEC32B5(**)-115SB	AT FTEC32B5(**)-230SB	AT FTEC32B5(**)-(*)DSB
Reverse Flow Fan Filter	AT FTEC32L4X-115RBB	AT FTEC32L4X-230RBB	AT FTEC32L4X-(*)DRB	AT FTEC32L5(**)-115RBB	AT FTEC32L5(**)-230RBB	AT FTEC32L5(**)-(*)DRB
Flow Capacity (CFM-m3/hr at 60/50 Hz) and Maximum Static Pressure (in H2O-Pa at 60/50 Hz)						
Unimpeded (***)	380/360 CFM 645/610 m³/hr	380/360 CFM 645/610 m³/hr	550 CFM 935 m³/hr	350/335 CFM 595/570 m³/hr	350/335 CFM 595/570 m³/hr	500 CFM 850 m³/hr
In combination						
Fan Filter+ Exhaust Filter	220/210 CFM 375/355 m³/hr	220/210 CFM 375/355 m³/hr	330 CFM 560 m³/hr	190/180 CFM 320/305 m³/hr	190/180 CFM 320/305 m³/hr	280 CFM 475 m³/hr
Max. Static Pressure	0.44 / 0.40 - 110 / 100	0.44 / 0.40 - 110 / 100	0.60 / 150	0.42 / 0.40 - 105 / 100	0.42 / 0.40 - 105 / 100	0.54 - 135
Fan Filter+ Reverse Flow Fan Filter	320/300 CFM 545/510 m³/hr	320/300 CFM 545/510 m³/hr	450 CFM 765 m³/hr	270/255 CFM 460/435 m³/hr	270/255 CFM 460/435 m³/hr	400 CFM 680 m³/hr
Max. Static Pressure	0.50 / 0.48 - 125 / 120	0.50 / 0.48 - 125 / 120	0.72 - 180	0.47 / 0.44 - 118 / 110	0.47 / 0.44 - 118 / 110	0.62 - 155
Other Fan Filters Data						
Power Input	35/23 W	35/23 W	64.8 / 63.6 / 62.4 W	35/23 W	35/23 W	64.8 / 63.6 / 62.4 W
Weight	3700 gram / 8.15 lb		3700 gram / 8.15 lb	3700 gram / 8.15 lb		3700 gram / 8.15 lb
Noise Level	48/50 dB (A)		60 dB (A)	48/50 dB (A)		60 dB (A)
Durability	80,000 @ 35 °C	80,000 @ 35 °C	90,000 @ 35 °C	80,000 @ 35 °C	80,000 @ 35 °C	90,000 @ 35 °C
Operating Temperature	-20 to +70 °C / -4 to +158 °F			-20 to +70 °C / -4 to +158 °F		
Dimensions	12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm³			12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	AT FTEC32L4X			AT FTEC32L5(**)		
RAL 7032 Dark Gray	AT FTEC32D4X			AT FTEC32D5(**)		
RAL 9011 Black	AT FTEC32B4X			AT FTEC32B5(**)		
Dimensions	12.84" x 12.84" x 1.22" / 326 x 326 x 31 mm³			12.84" x 12.84" x 1.22" / 326 x 326 x 31 mm³		
Weight	750 / 1.65 lb			750 / 1.65 lb		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	AT FTEC32-FM-4			AT FTEC32-FM-5		
NO Thermostat (°F)	AT TTEC-200-F			AT TTEC-200-F		

(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

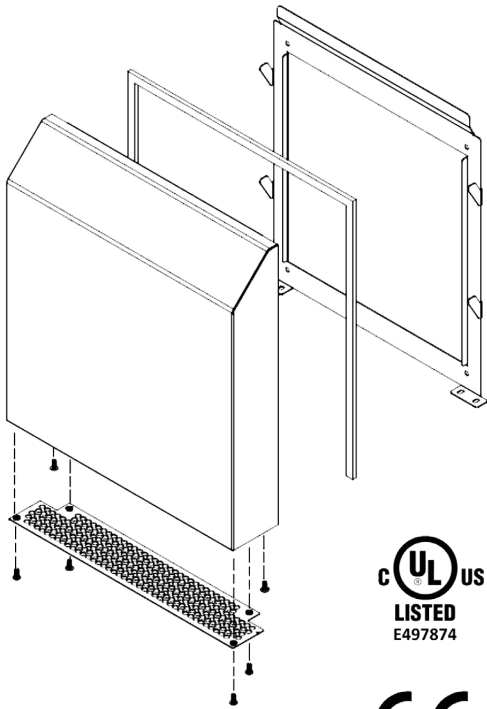
(**) X represents Type 12, IP 54 or IP 55, Z represents Type 3R IP 55

(***) Flow capacity at 90 VAC - 60 Hz (Type 12) is 295 CFM

AT RAINTEC

TYPE 3R/4/4X/FDA RAIN HOODS

AT RAINTEC series Rain Hoods are designed for use with AT FTEC series fan filters and exhaust filters in indoor and outdoor applications. With Type 3R, Type 4, Type 4X, and FDA-compliant options available, they help protect ventilation openings from rain, windblown dust, splashing water, hose-directed water, external ice formation, and corrosion.



Certificates

- UL and cUL Listed
- FDA Compliant
- CE Compliant
- RoHS Compliant

Application

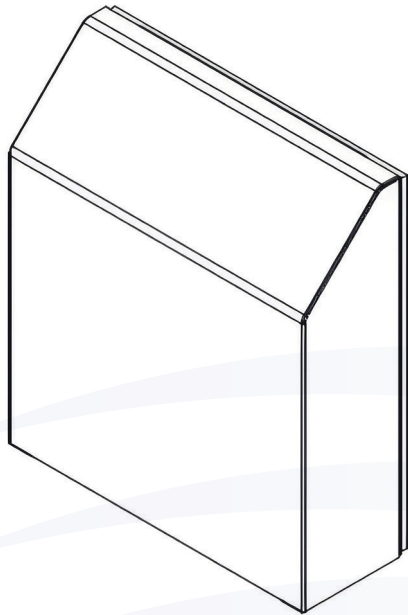
- For use with FTEC series fan filters and exhaust filters
- Type 3R and Type 4 options for indoor/outdoor applications
- Protection against rain, sleet, windblown dust, hose-directed water, splashing water, and external ice formation
- Type 4/4X SS 316L option for added corrosion protection
- Type 4X FDA-compliant sanitary version available for food and beverage applications

Features

- Mounting bracket installs easily around the cutout with screws
- Easy slide-on installation over mounting bracket
- Special sealing gasket for high-compression sealing
- Designed for tight, secure enclosure protection

Colors

- Type 3R and Type 4 are 304 stainless steel finish or Galvanized powder coated finish in RAL 7035 or RAL 7032.
- Type 4/4X/FDA version Rain hoods are 316L stainless steel finish.



AT RAINTEC

TYPE 3R/4/4X/FDA RAIN HOODS

Model No.	Dimensions (HxWxD)	NEMA Rating	Use with	FTEC sizes
AT RAINTEC16-4(*)	11.29" x 8.9" x 3.74" (287 x 226 x 95 mm ³)	Type 3R/4	AT FTEC10 & AT FTEC16	4" & 6"
AT RAINTEC26-4(*)	15.20" x 13.23" x 3.74" (386 x 336 x 95 mm ³)	Type 3R/4	AT FTEC20 & AT FTEC26	8" & 10"
AT RAINTEC32-4(*)	17.80" x 15.83" x 3.74" (452 x 402 x 95 mm ³)	Type 3R/4	AT FTEC32 series	12"
AT RAINTEC75-4(*)	17.80" x 29.33" x 3.74" (452 x 745 x 95 mm ³)	Type 3R/4	AT FTEC32 series	12"
AT RAINTEC16-4X(**)	11.29" x 8.9" x 3.74" (287 x 226 x 95 mm ³)	Type 4/4X	AT FTEC10 & AT FTEC16	4" & 6"
AT RAINTEC26-4X(**)	15.20" x 13.23" x 3.74" (386 x 336 x 95 mm ³)	Type 4/4X	AT FTEC20 & AT FTEC26	8" & 10"
AT RAINTEC32-4X(**)	17.80" x 15.83" x 3.74" (452 x 402 x 95 mm ³)	Type 4/4X	AT FTEC32 series	12"
AT RAINTEC75-4X(**)	17.80" x 29.33" x 3.74" (452 x 745 x 95 mm ³)	Type 4/4X	AT FTEC32 series	12"
AT RAINTEC16-FDA(**)	11.29" x 8.9" x 3.74" (287 x 226 x 95 mm ³)	Type 4X/FDA	AT FTEC10 & AT FTEC16	4" & 6"
AT RAINTEC26-FDA(**)	15.20" x 13.23" x 3.74" (386 x 336 x 95 mm ³)	Type 4X/FDA	AT FTEC20 & AT FTEC26	8" & 10"
AT RAINTEC32-FDA(**)	17.80" x 15.83" x 3.74" (452 x 402 x 95 mm ³)	Type 4X/FDA	AT FTEC32	12"
AT RAINTEC75-FDA(**)	17.80" x 29.33" x 3.74" (452 x 745 x 95 mm ³)	Type 4X/FDA	AT FTEC32	12"

(*)CS5: Galvanized powder coated RAL 7035,

CS2: Galvanized powder coated RAL 7032,

SS4: SS 304,

SS6: SS316L

(**) SS4: SS 304,

SS6: SS316L

