

FTEC 32 Series

12" Fan Filters/Exhaust Filters

Specification sheet

Certificates

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

Application

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, FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.

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, 12, 24, and 48 VDC available
- 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
- Custom Colors upon request



FTEC32



FTEC32 series Performance Chart - 12" Fan Filter and Exhaust Filter

NEMA Rating	Type 12			Type 12 or Type 3R		
	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	FTEC32L4X-115SB	FTEC32L4X-230SB	FTEC32L4X-(*)DSB	FTEC32L5(**)-115SB	FTEC32L5(**)-230SB	FTEC32L5(**)-(*)DSB
RAL 7032 Dark Gray	FTEC32D4X-115SB	FTEC32D4X-230SB	FTEC32D4X-(*)DSB	FTEC32D5(**)-115SB	FTEC32D5(**)-230SB	FTEC32D5(**)-(*)DSB
RAL 9011 Black	FTEC32B4X-115SB	FTEC32B4X-230SB	FTEC32B4X-(*)DSB	FTEC32B5(**)-115SB	FTEC32B5(**)-230SB	FTEC32B5(**)-(*)DSB
Reverse Flow Fan Filter	FTEC32L4X-115RBB	FTEC32L4X-230RBB	FTEC32L4X-(*)DRB	FTEC32L5(**)-115RBB	FTEC32L5(**)-230RBB	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 m ³ /hr	380/360 CFM-645/610 m ³ /hr	550 CFM-935 m ³ /hr	350/335 CFM-595/570 m ³ /hr	350/335 CFM-595/570 m ³ /hr	500 CFM-850 m ³ /hr
In combination						
Fan Filter+Exhaust Filter	220/210 CFM-375/355 m ³ /hr	220/210 CFM-375/355 m ³ /hr	330 CFM-560 m ³ /hr	190/180 CFM-320/305 m ³ /hr	190/180 CFM-320/305 m ³ /hr	280 CFM-475 m ³ /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 m ³ /hr	320/300 CFM-545/510 m ³ /hr	450 CFM-765 m ³ /hr	270/255 CFM-460/435 m ³ /hr	270/255 CFM-460/435 m ³ /hr	400 CFM-680 m ³ /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)	47/49 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 mm ³			12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm ³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter						
	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	FTEC32L4X			FTEC32L5(**)		
RAL 7032 Dark Gray	FTEC32D4X			FTEC32D5(**)		
RAL 9011 Black	FTEC32B4X			FTEC32B5(**)		
Dimensions	12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm ³			12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm ³		
Weight	750/1.65			750/1.65		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	FTEC32-FM-4			FTEC32-FM-5		
NO Thermostat (°C)	TTEC-200-C/ETEC-400		ETEC-400	TTEC-200-C/ETEC-400		ETEC-400
NO Thermostat (°F)	TTEC-200-F/ETEC-400		ETEC-400	TTEC-200-F/ETEC-400		ETEC-400

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

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

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

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