

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 Filter and Exhaust Filter 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
- UV Resistant

Colors

- RAL 7035 – Light Gray
- RAL 7032 – Dark Gray
- RAL 9011 – Black
- Other colors on request



FTEC32



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

NEMA Rating	Type 12			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	Ball Bearing	Ball Bearing	Ball Bearing	Ball Bearing	Ball Bearing	Ball Bearing
Power connection	2 Poles Terminal & Ground			2 Poles Terminal & Ground		
Fan Filters Colors						
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
Flow Capacity (CFM-m³/hr at 60/50 Hz) and Maximum Static Pressure (in H₂O-Pa at 60/50 Hz)						
Unimpeded	380/360-645/610	380/360-645/610	550-935	350/335-595/570	350/335-595/570	500-850
In combination						
Fan Filter+Exhaust Filter	220/210-375/355	220/210-375/355	330-560	190/180-320/305	190/180-320/305	280-475
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	320/300-545/510	320/300-545/510	450-765	270/255-460/435	270/255-460/435	400-680
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						
Rated Current (A)	0.30/0.32 ± 10%	0.14/0.13 ±10%	1.4	0.30/0.32 ± 10%	0.14/0.13 ±10%	1.4
Weight (gr/lb)	3000/6.6			3000/6.6		
Noise Level (dB(A))	48/50			47/49		
Durability (hrs at 25 °C)	50,000	50,000	50,000	50,000	50,000	50,000
Operating Temperature (°C/°F)	-20 to +70 / -4 to +158			-20 to +70 / -4 to +158		
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-Colors	Type 12-IP 54			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 (gr/lb)	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	-	-	TTEC-200-C	-	-
NO Thermostat (°F)	TTEC-200-F	-	-	TTEC-200-F	-	-

(*) 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 representing Type 12, IP 55 Z representing Type 3R, IP 55

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