

## FTEC 32B 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

FTEC32B 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



# FTEC32B



# FTEC32B 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	115 VAC	230 VAC	48 VDC	115 VAC	230 VAC	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		Wires	2 Poles Terminal & Ground		Wires
Fan Filters Colors						
RAL 7035 Light Gray	FTEC32L4X-115SBB	FTEC32L4X-230SBB	FTEC32L4X-48DSB	FTEC32L5Z-115SBB	FTEC32L5Z-230SBB	FTEC32L5Z-48DSB
RAL 7032 Dark Gray	FTEC32D4X-115SBB	FTEC32D4X-230SBB	FTEC32D4X-48DSB	FTEC32D5Z-115SBB	FTEC32D5Z-230SBB	FTEC32D5Z-48DSB
RAL 9011 Black	FTEC32B4X-115SBB	FTEC32B4X-230SBB	FTEC32B4X-48DSB	FTEC32B5Z-115SBB	FTEC32B5Z-230SBB	FTEC32B5Z-48DSB
<b>Flow Capacity (CFM-m<sup>3</sup>/hr at 60/50 Hz) and Maximum Static Pressure (in H<sub>2</sub>O-Pa at 60/50 Hz)</b>						
Unimpeded	450/425-765/722	450/425-765/722	550-935	418/396-712/675	418/396-712/675	500-850
In combination						
Fan Filter+Exhaust Filter	290/275-492/467	290/275-492/467	330-560	235/225-400/380	235/225-400/380	280-475
Max. Static Pressure	0.50/0.46-125/115	0.50/0.46-125/115	0.60/150	0.48/0.44-120/110	0.48/0.44-120/110	0.54-135
Fan Filter+Reverse Flow Fan Filter	425/400-722/680	425/400-722/680	450-765	385/365-655/622	385/365-655/622	400-680
Max. Static Pressure	0.56/0.51-140/128	0.56/0.51-140/128	0.72-180	0.53/0.50-132/125	0.53/0.50-132/125	0.62-155
<b>Other Fan Filters Data</b>						
Rated Current (A)	0.673/0.579 ± 10%	0.296/0.259 ± 10%	1.4	0.673/0.579 ± 10%	0.296/0.259 ± 10%	1.4
Weight (gr/lb)	3450/7.6			3450/7.7		
Noise Level (dB(A))	58/61		60	56/59		60
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 <sup>3</sup>			12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm <sup>3</sup>		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter-Colors	Type 12-IP 54			Type 3R-IP55		
RAL 7035 Light Gray	FTEC32L4X			FTEC32L5Z		
RAL 7032 Dark Gray	FTEC32D4X			FTEC32D5Z		
RAL 9011 Black	FTEC32B4X			FTEC32B5Z		
Dimensions	12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm <sup>3</sup>			12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm <sup>3</sup>		
Weight (gr/lb)	750/1.65			750/1.65		
Certificates	CSA-UL-CE			CSA-UL-CE		
<b>Accessories</b>						
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		-

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