

## FTEC 10 Series

### 4" Fan Filters/Exhaust Filters

#### Specification sheet

#### Certificates

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

#### Application

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, 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



# FTEC10



# FTEC10 series Performance Chart - 4" 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
<b>Fan Filters</b>						
RAL 7035 Light Gray	FTEC10L4X-115SB	FTEC10L4X-230SB	FTEC10L4X-(*)DSB	FTEC10L5(**)-115SB	FTEC10L5(**)-230SB	FTEC10L5(**)-(*)DSB
RAL 7032 Dark Gray	FTEC10D4X-115SB	FTEC10D4X-230SB	FTEC10D4X-(*)DSB	FTEC10D5(**)-115SB	FTEC10D5(**)-230SB	FTEC10D5(**)-(*)DSB
RAL 9011 Black	FTEC10B4X-115SB	FTEC10B4X-230SB	FTEC10B4X-(*)DSB	FTEC10B5(**)-115SB	FTEC10B5(**)-230SB	FTEC10B5(**)-(*)DSB
Reverse Flow Fan Filter	FTEC10L4X-115RB	FTEC10L4X-230RB	FTEC10L4X-(*)DRB	FTEC10L5(**)-115RB	FTEC10L5(**)-230RB	FTEC10L5(**)-(*)DRB
<b>Flow Capacity (CFM-m³/hr at 60/50 Hz) and Maximum Static Pressure (in H<sub>2</sub>O-Pa at 60/50 Hz)</b>						
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
<b>In combination</b>						
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
<b>Other Fan Filters Data</b>						
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		
<b>Exhaust Filter</b>						
	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7035 Light Gray	FTEC10L4X			FTEC10L5(**)		
RAL 7032 Dark Gray	FTEC10D4X			FTEC10D5(**)		
RAL 9011 Black	FTEC10B4X			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		
<b>Accessories</b>						
Replacement Filter Media	FTEC10-FM-4			FTEC10-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 13.5 CFM

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

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