

FTEC 20 Series

8" Fan Filters/Exhaust Filters

Specification sheet

Certificates

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

Application

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, 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



FTEC20



FTEC20 series Performance Chart - 8" 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 Colors						
RAL 7035 Light Gray	FTEC20L4X-115SB	FTEC20L4X-230SB	FTEC20L4X-(*)DSB	FTEC20L5(**)-115SB	FTEC20L5(**)-230SB	FTEC20L5(**)-(*)DSB
RAL 7032 Dark Gray	FTEC20D4X-115SB	FTEC20D4X-230SB	FTEC20D4X-(*)DSB	FTEC20D5(**)-115SB	FTEC20D5(**)-230SB	FTEC20D5(**)-(*)DSB
RAL 9011 Black	FTEC20B4X-115SB	FTEC20B4X-230SB	FTEC20B4X-(*)DSB	FTEC20B5(**)-115SB	FTEC20B5(**)-230SB	FTEC20B5(**)-(*)DSB
Reverse Flow Fan Filter	FTEC20L4X-115RB	FTEC20L4X-230RB	FTEC20L4X-(*)DRB	FTEC20L5(**)-115RB	FTEC20L5(**)-230RB	FTEC20L5(**)-(*)DRB
Flow Capacity (CFM-m³/hr at 60/50 Hz) and Maximum Static Pressure (in H ₂ O-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	14/16 W		10.6/10.3/10.6 W	14/16 W		10.6/10.3/10.6 W
Weight	950 gram / 2.1 lb		610 gram / 1.35 lb	950 gram / 2.1 lb		610 gram / 1.35 lb
Noise Level	45/41 dB (A)		50 dB (A)	45/41 dB (A)		50 dB (A)
Durability (hrs at 45 °C)	80,000	80,000	65,000	80,000	80,000	65,000
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-Colors						
RAL 7035 Light Gray	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7032 Dark Gray	FTEC20L4X			FTEC20L5(**)		
RAL 9011 Black	FTEC20D4X			FTEC20D5(**)		
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	FTEC20-FM-4			FTEC20-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 80 CFM

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

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