

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

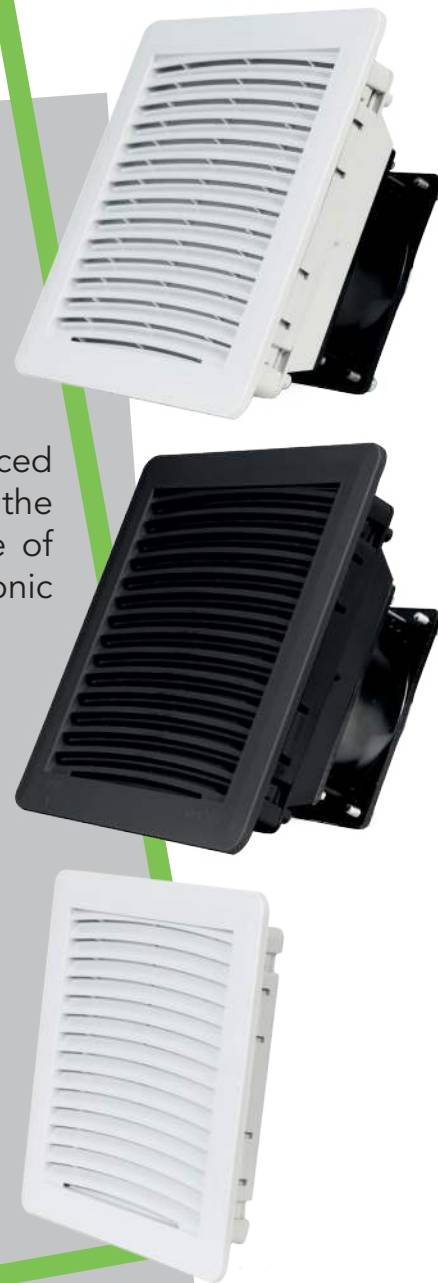
FTEC20 series Fan Filter and Exhaust Filter are designed to supply forced convection filtered air for enclosures and electrical panels. By using the unique filtering and cooling features, FTEC will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts 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



FTEC20



FTEC20 series Performance Chart - 8" 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	12/24/48 VDC	115 VAC	230 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		Wires	2 Poles Terminal & Ground		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
Flow Capacity (CFM-m³/hr at 60/50 Hz) and Maximum Static Pressure (in H₂O-Pa at 60/50 Hz)						
Unimpeded	95/90-160/152	95/90-160/152	90-152	80/76-135/128	80/76-135/128	76-128
In combination						
Fan Filter+Exhaust Filter	70/65-120/110	70/65-120/110	70-120	60/55-100/95	60/55-100/95	57-97
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	80/75-135/127	80/75-135/127	77-130	70/65-120/110	70/65-120/110	67-115
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						
Rated Current (A)	0.22/0.26 ± 10%	0.11/0.13 ± 10%	1.35/0.85/0.32	0.22/0.26 ± 10%	0.11/0.13 ± 10%	1.35/0.85/0.32
Weight (gr/lb)	950/2.1			950/2.1		
Noise Level (dB(A))	45/41			45/41		
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	8.11" X 8.11" X 4.41" / 206 X 206 X 112 mm ³			8.11" X 8.11" X 4.41" / 206 X 206 X 112 mm ³		
Certificates	CSA-UL-CE			CSA-UL-CE		
Exhaust Filter-Colors	Type 12-IP 54			Type 3R-IP55		
RAL 7035 Light Gray	FTEC20L4X			FTEC20L5(**)		
RAL 7032 Dark Gray	FTEC20D4X			FTEC20D5(**)		
RAL 9011 Black	FTEC20B4X			FTEC20B5(**)		
Dimensions	8.11" X 8.11" X 1.22" / 206 X 206 X 31 mm ³			8.11" X 8.11" X 1.22" / 206 X 206 X 31 mm ³		
Weight (gr/lb)	300/0.66			300/0.66		
Certificates	CSA-UL-CE			CSA-UL-CE		
Accessories						
Replacement Filter Media	FTEC20-FM-4			FTEC20-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

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

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