

FTEC 32G 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

FTEC32G 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, 460 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
- Other colors on request



FTEC32G



FTEC32G series Performance Chart - 12" 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	200-240/440-480 VAC	12/24/48 VDC	100-120 VAC	200-240/440-480 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	FTEC32L4X-115SBG	FTEC32L4X-(***)SBG	FTEC32L4X-(-)DSB	FTEC32L5(**)-115SBG	FTEC32L5(**)-230SBG	FTEC32L5(**)-(-)DSB
RAL 7032 Dark Gray	FTEC32D4X-115SBG	FTEC32D4X-(***)SBG	FTEC32D4X-(-)DSB	FTEC32D5(**)-115SBG	FTEC32D5(**)-230SBG	FTEC32D5(**)-(-)DSB
RAL 9011 Black	FTEC32B4X-115SBG	FTEC32B4X-(***)SBG	FTEC32B4X-(-)DSB	FTEC32B5(**)-115SBG	FTEC32B5(**)-230SBG	FTEC32B5(**)-(-)DSB
Reverse Flow Fan Filter	FTEC32L4X-115RBG	FTEC32L4X-(***)RBG	FTEC32L4X-(-)DRB	FTEC32L5(**)-115RBG	FTEC32L5(**)-(***)RBG	FTEC32L5(**)-(-)DRB
Flow Capacity (CFM-m³/hr at 60/50 Hz) and Maximum Static Pressure (in H ₂ O-Pa at 60/50 Hz)						
Unimpeded (***)	625/595 CFM-1060/1010 m³/hr	625/595 CFM-1060/1010 m³/hr	550 CFM-935 m³/hr	595/565 CFM-1010/960 m³/hr	595/565 CFM-1010/960 m³/hr	500 CFM-850 m³/hr
In combination						
Fan Filter+Exhaust Filter	430/410 CFM-730/695 m³/hr	430/410 CFM-730/695 m³/hr	330 CFM-560 m³/hr	420/400 CFM-715/680 m³/hr	420/400 CFM-715/680 m³/hr	280 CFM-475 m³/hr
Max. Static Pressure	0.82/0.77-205/192	0.82/0.77-205/192	0.60/150	0.80/0.76-198/188	0.80/0.76-198/188	0.54 - 135
Fan Filter+Reverse Flow Fan Filter	570/540 CFM-968/917 m³/hr	570/540 CFM-968/917 m³/hr	450 CFM-765 m³/hr	530/510 CFM-900/866 m³/hr	530/510 CFM-900/866 m³/hr	400 CFM-680 m³/hr
Max. Static Pressure	0.88/0.84-220/210	0.56/0.51-140/128	0.72 - 180	0.84/0.81-210/202	0.84/0.81-210/202	0.62 - 155
Other Fan Filters Data						
Power Input	105/95 W	105/95 W	64.8/63.6/62.4 W	105/95 W	105/95 W	64.8/63.6/62.4 W
Weight	3,700 gram /8.16 lb		3,700 gram /8.16 lb	3,700 gram /8.16 lb		3,700 gram /8.16 lb
Noise Level	68/70 dB (A)		60 dB (A)	68/70 dB (A)		60 dB (A)
Durability (hrs at 35 °C)	50,000	50,000	90,000	50,000	50,000	90,000
Operating Temperature	-20 to +70 gram /-4 to +158 lb			-20 to +70 gram /-4 to +158 lb		
Dimensions	12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm³			12.84" X 12.84" X 6.38" / 326 X 326 X 162 mm³		
Certificates	CSA and UL Pending-CE			CSA and UL Pending-CE		
Exhaust Filter-Colors						
RAL 7035 Light Gray	Type 12-IP 54			Type 12 or Type 3R-IP55		
RAL 7032 Dark Gray	FTEC32L4X			FTEC32L5(**)		
RAL 9011 Black	FTEC32D4X			FTEC32D5(**)		
Dimensions	FTEC32B4X			FTEC32B5(**)		
Weight	12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm³			12.84" X 12.84" X 1.22" / 326 X 326 X 31 mm³		
Certificates	750/1.65			750/1.65		
Accessories	CSA-UL-CE			CSA-UL-CE		
Replacement Filter Media						
NO Thermostat (°C)	FTEC32-FM-4			FTEC32-FM-5		
NO Thermostat (°F)	TTEC-200-C / ETEC-400	ETEC-400	ETEC-400	TTEC-200-C / ETEC-400	ETEC-400	ETEC-400

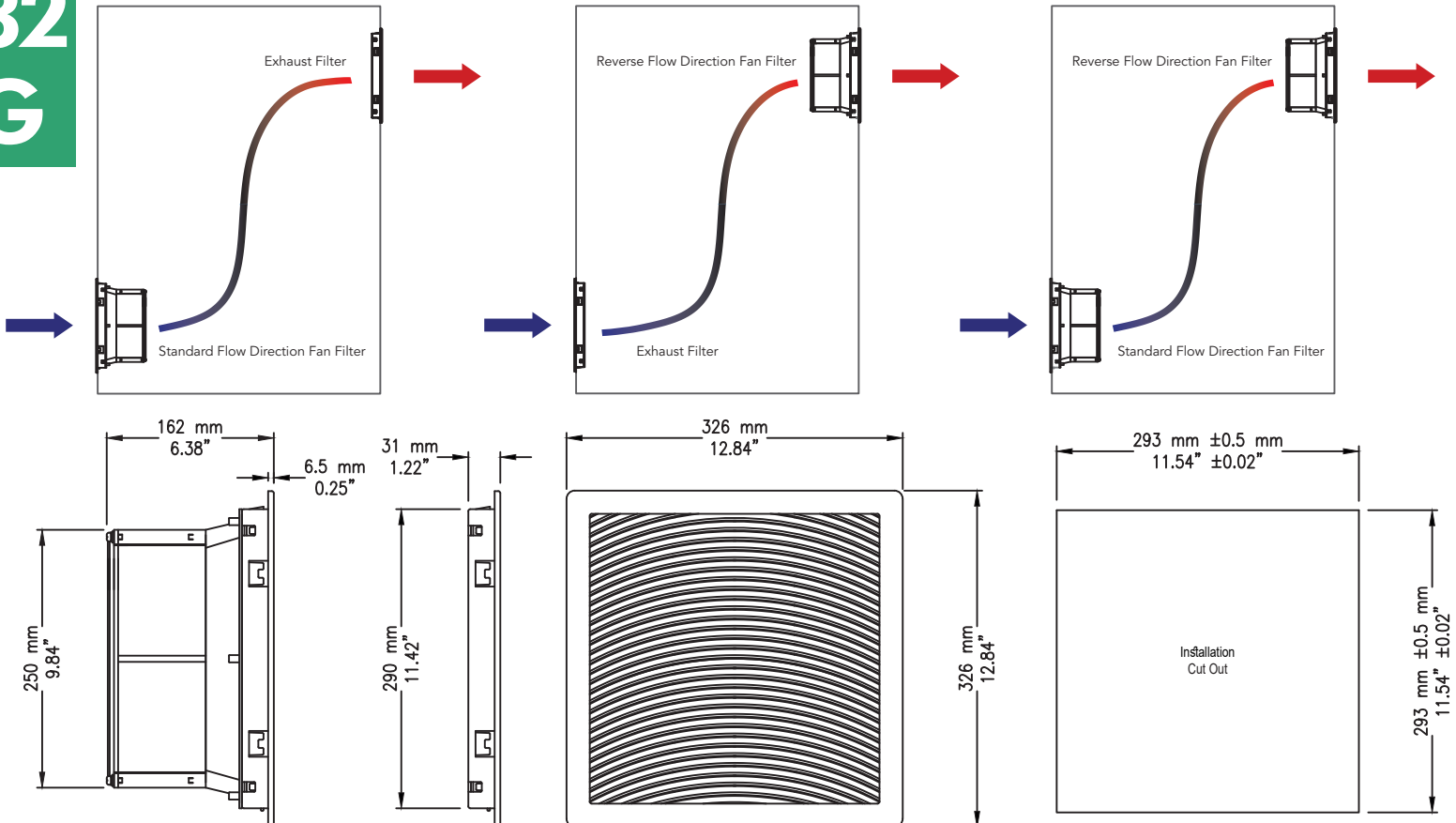
(*) 12 means 12 VDC, 24 means 24 VDC, and 48 means 48 VDC

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

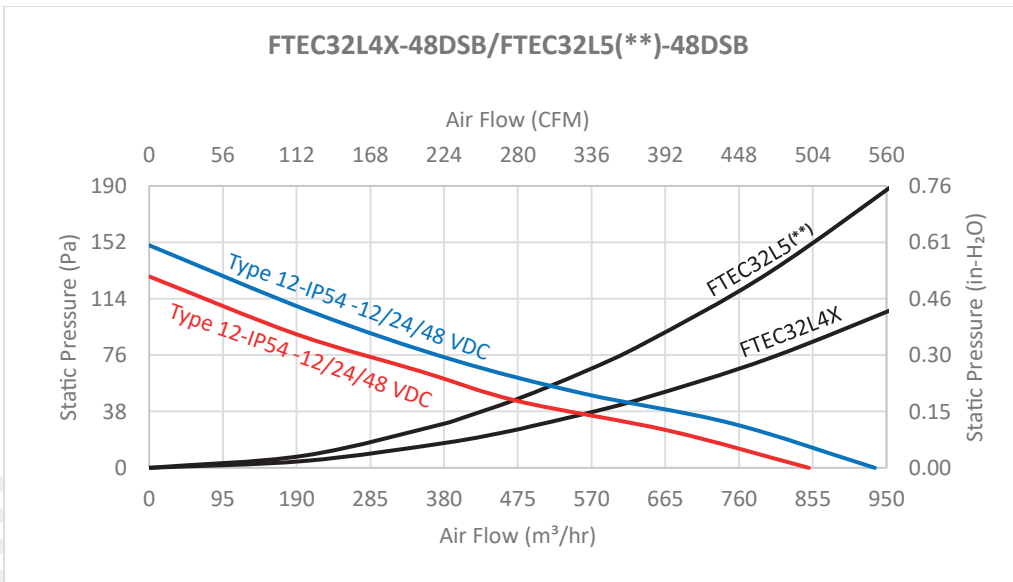
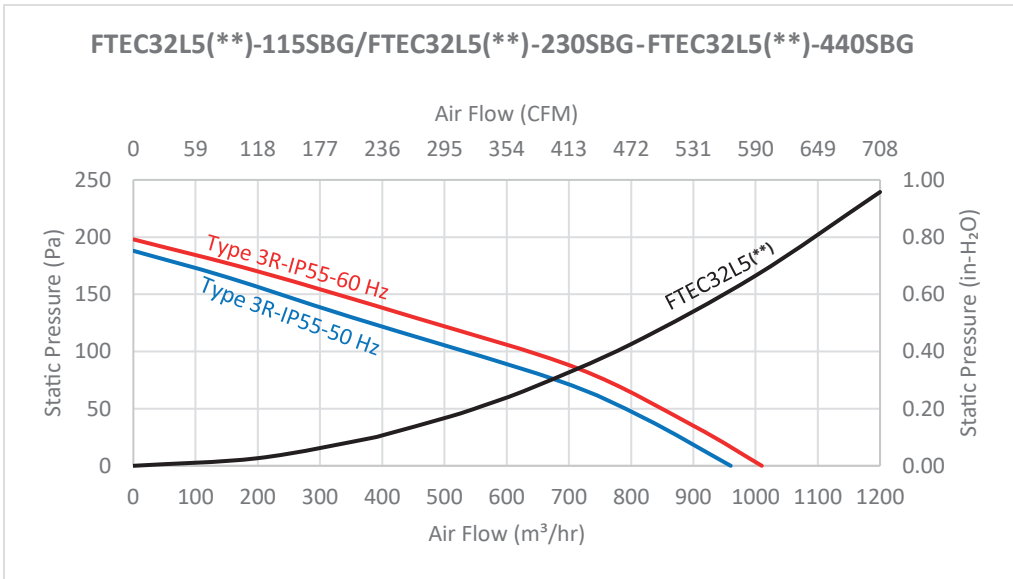
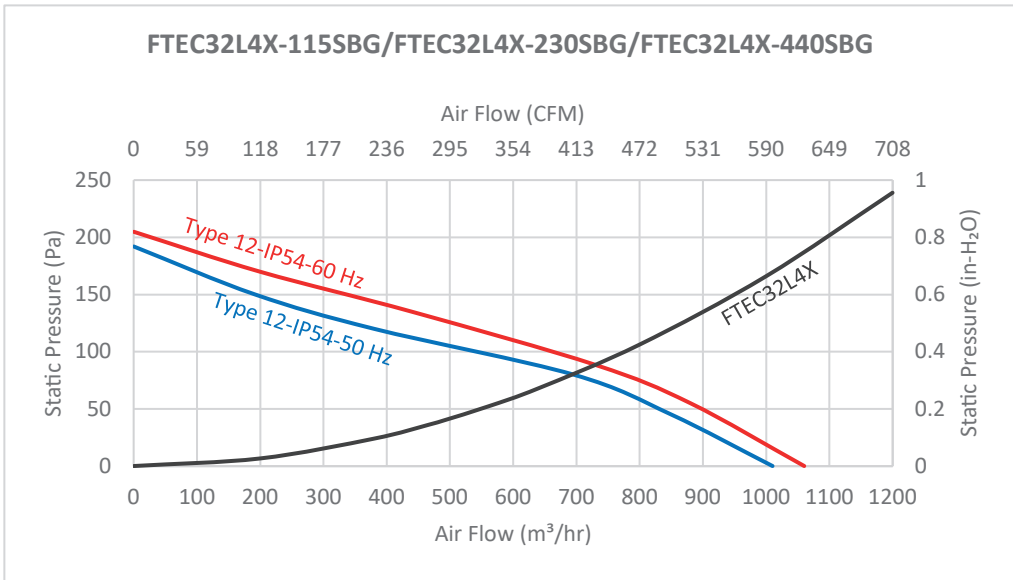
(***) 230 represents 230 VAC, and 440 VAC represents 460VAC

(****) Flow capacity at 90 VAC - 60 Hz (Type 12) is 520 CFM

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