



Series 109BL

Motorized Ceiling FFU

The Series 109BL FFU is a low-profile, self-powered blower and HEPA filter module. The integral backward curved blower/motor assembly makes it an energy-efficient unit. The simplicity, reliability, and quality of its features makes the Series 109BL FFU an excellent value. The Series 109BL FFUs are designed for use in tee bar ceiling grid systems. The units feature a low-profile design to allow ease of installation when overhead space is limited. The Series 109BL FFUs are available with a variety of sizes, filter efficiencies and options. These units are well suited for cleanrooms of Class 100,000 to Class 10.

Features

- ❖ Low profile design
- ❖ Lightweight
- ❖ All-metal filter housing
- ❖ Sizes 2 x 4, 2 x 3, and 2 x 2
- ❖ Prefilter
- ❖ 90 ft./min. average face velocity
- ❖ 99.99% DOP test at 0.3 microns

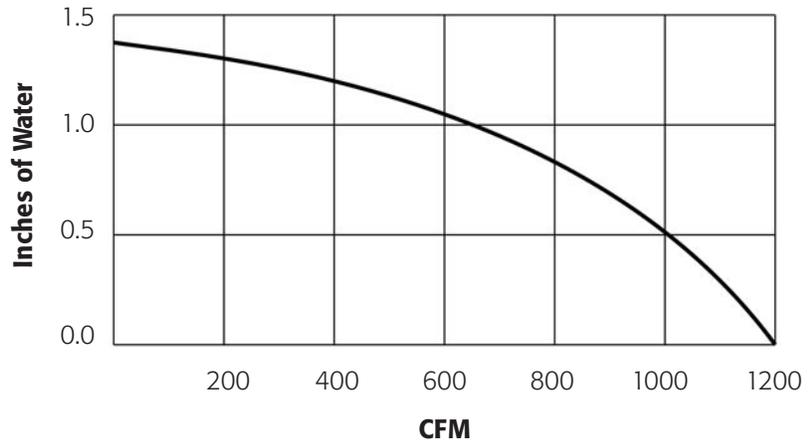
Standard

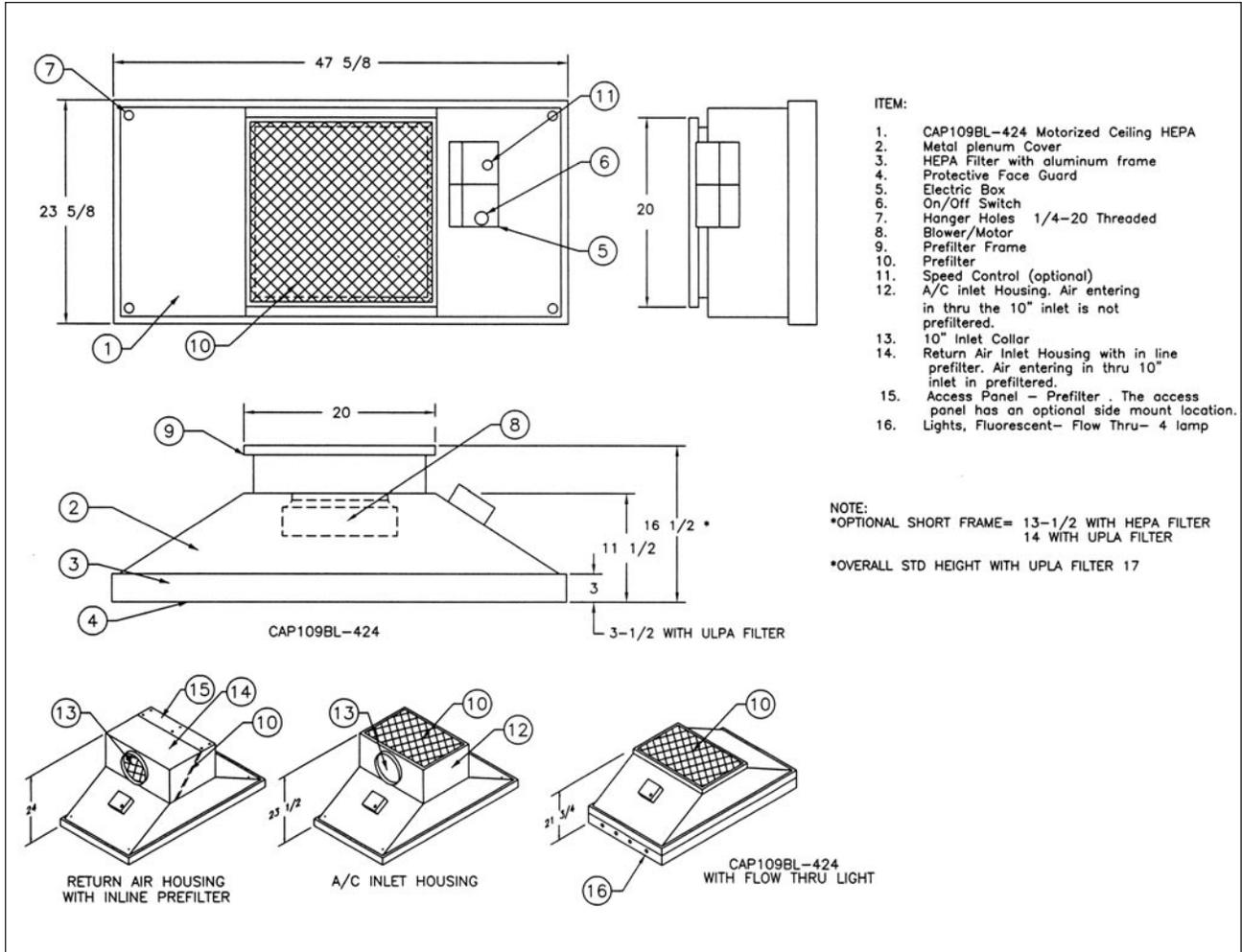
- **Final Filter**
 - Aluminum-framed filter frame
 - Mini-pleated HEPA media
 - Media is a nonflammable, water repellent microglass paper
 - 99.99% DOP test at 0.3 microns
 - Frame size 23⁵/₈ in. x 47⁵/₈ in. x 3 in.
 - Expanded painted metal protective grill
- **Blower and Motor**
 - 1/4 HP, PSC motor
 - 20 mf capacitor
 - 200 watts, 2.4 FLRA, 115 V, 60 Hz, single-phase
 - Backward incline blower wheel
 - Low heat load due to an efficient blower assembly
 - 50/60 Hz single-phase; Note: performance at 50 Hz reduce by ⁵/₆
- **Assembly**
 - All-metal filter housing
 - Low-profile galvanized plenum sloped for ease of installation
 - Nonflammable construction – no interior foam insulation
 - Lightweight (less than 47 lbs.)
 - In areas where the Series 109 has to be suspended, seismic threaded ports are provided for simple, quick and stable installation
 - On/Off switch is provided for the motor assembly
- **Operation**
 - 90 ft./min. – average face velocity, approximately 700 total CFM

Options

- Power cord
- RELOCK flexible metal plug-together cable
- Speed control
- Painted low-profile sloped plenum
- Smooth outside decorative painted housing
- Florescent flow-thru light
- 10 in. inlet collar for air conditioning
- 10 in. inlet collar with in line prefilter
- Ionization bar
- 99.999% DOP test on 0.12 micron ULPA filter
- 4 in. high-capacity pleated prefilter (set into standard frame)

Blower Curve





Specifications subject to change. Please contact factory for details.



Solutions Built to Your Specifications.

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