

TECHNICAL SPECIFICATION

■ MAC 10[®] LE-AC Introduction

Extra low watts, sound, and profile.

The Envirco[®] LE-AC fan filter unit, is the first (FFU) with low watts, low profile and high airflow. The MAC 10[®] LE-AC 2x4 ft (600x1210 mm) provides one of the lowest power consumption levels of any FFU in the industry. Running at only 185 watts @ 90 fpm, the unit uses less energy than traditional FFUs, lowering operating costs. The MAC 10[®] LE-AC maintains a low profile for standard model, measuring less than 13" (330 mm) tall. The MAC 10[®] LE-AC comes standard with the filter integral with the unit housing, Room-side replaceable filters are available.



■ Standard Features

- » Low watts, low profile, and low operating costs
- » Three speed switch features low, medium, and high settings
- » Backward-inclined centrifugal fan. (*Not available with SSSC*)
- » High efficiency particulate air (HEPA) UL 900 Filter: 99.99% efficient @ 0.3 micron
- » Snap-in 20x20 prefilter allows for easy replacement and maintenance
- » Walkable plenum (excluding prefilter), rated to 250 lbs.
- » Mill finished aluminum exterior.
- » Tested to IEST recommended RPC standards
- » cUL listed (115V, 208-240V, 277V) with standard UL 900 filter, File number E152685 (UL507)

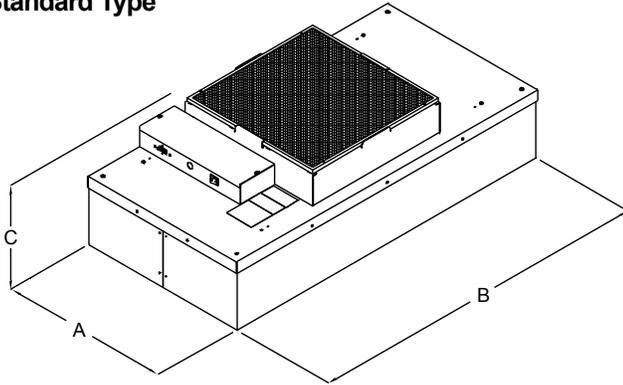
■ Optional Features

- » Ultra-low Penetration Air (ULPA) Filter: 99.9995% efficient @ 0.12 micron (U15)
- » PTFE boron-free ULPA filter
- » Airflow Indicator Light: Allows external monitoring of motor operation. Green indicator is ON during normal operation
- » Duct Collar 10" (254 mm) , 12" (305 mm) and 14" (355.6 mm): Allows direct connection to the air conditioning supply
- » Fluorescent Light: Provides illumination with minimal airflow disruption
- » Ion Bar: Neutralizes static charges below the filter. (Universal voltage power supply required)
- » Finish: Powder coat painted or Stainless Steel
- » MERV 8 G4 pre-filter available
- » Room-Side Replacement (RSR) available with gel seal filter element; filter is replacement from the roomside (2x4)
- » RSRE provides filter and motor/blower assembly replacement from the roomside (2x4)

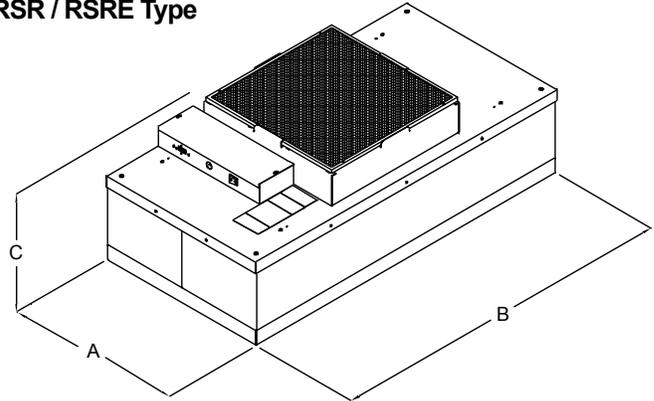
TECHNICAL SPECIFICATION

Dimensions

Standard Type



RSR / RSRE Type



■ **Performance MAC 10[®] LE-AC**

Nominal Unit Size	Active Filter Face Area (Sq. Ft.)	Max. CFM	Watts @ Max. CFM	CFM @ 90 FPM	Watts @ 90 FPM	Sound dBA @ 90 FPM	Unit Weight	Dimensions AxBxC (in)
2x4 Standard	7.2	900	235	650	185	51	66	23.63 x 47.63 x 12.56 (600 x 1210 x 319)
2x4 RSR/RSRE	5.3	850	235	470	175	51	76	23.63 x 47.63 x 14.67 (600 x 1210 x 373)

Notes:

All airflow is tested in accordance with the (ANSI/AMCA 210-07), (ANSI/ASHRAE 51-07) test standards for Certified Aerodynamic Performance Rating.

Max CFM rating base on free air volumes at high speed motor setting.

90 fpm values base on active filter face area.

Heat Gain: BTU = watts x 3.413.

MAC 10[®] LE-AC:

MAC 10[®] LE-AC 2x4 is available. 115V, 50/60HZ 1 Phase = 2.26 F.L.A., 208-240V 50/60HZ 1 Phase = 1.40 F.L.A., 277V 60 HZ 1 Phase = 1.17 F.L.A.

Modular Cleanrooms

Denver, Colorado

800-496-7666 (Toll Free)

303-371-0272 (Office)

303-371-0270 (Fax)

Sales@modularcleanrooms.com

www.modularcleanrooms.com