



CAC12 MULTI-POSITION CLEAN AIR CASE

CAC12

Bulletin #490063
September 1994



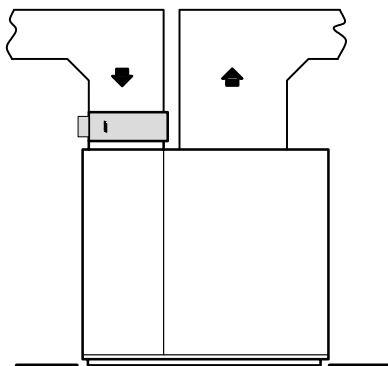
The CAC12 multi-position clean air case is available for installation in the return air side of all types of central units and easily adapts to up-flo, lo-boy, down-flo or horizontal unit applications. Compact cabinet can be installed in the vertical or horizontal position and is strong enough to support the weight of most up-flo furnaces. A choice of optional filters is available. Must be ordered extra. See Specifications table. Air flow direction thru the cabinet can be changed by re-positioning the filter. Arrows on filter indicate air flow direction. Cabinet is designed to accept EAC12 electronic air cleaner components and can be easily updated at any future time.

Thin profile design allows installation in minimum space. Cabinet can be installed in vertical or horizontal position. One-piece cabinet is constructed of heavy gauge cold rolled steel with a durable baked epoxy powder coating paint finish. Predrilled mounting holes and bendable tabs simplify flush mounting to unit or ductwork. Access door allows quick and easy replacement of filter.

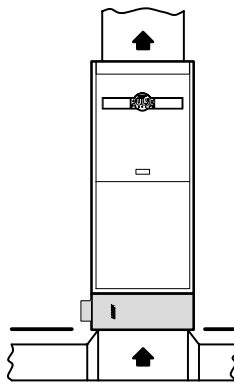
Optional high efficiency air filter effectively removes up to 5 times more dirt and contaminants than conventional furnace filters. Disposable filter with specially pleated non-woven cotton fiber provides a large surface area allowing maximum dirt holding capacities with minimum air resistance. Because of its radial pleating and omni-directional fiber design, it will outlast and outperform standard filters by trapping a wide range of particles that ordinary filters cannot retain. Constant blower operation will achieve the best air cleaning results. This will cause temperatures to remain balanced throughout the conditioned area, and a continual flow of dirt laden air to be cleaned by the air filter.

Cabinet is also designed to accept optional standard one inch filter. Separate filter rails are provided in cabinet for ease of installation.

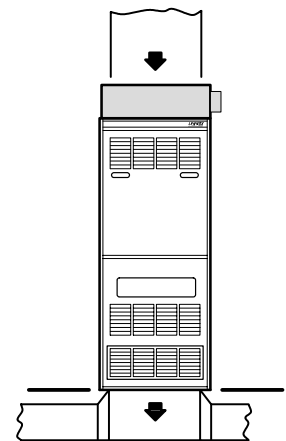
Clean Air Case is shipped completely factory assembled ready for installation. Optional high efficiency air filter is tested according to American Society of Heating, Refrigerating and Air Conditioning Engineers, Incorporated (ASHRAE) Standard test procedures #52-76.



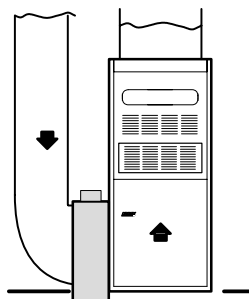
Lo-Boy



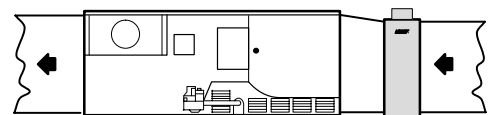
Up-Flo



Down-Flo



Up-Flo
(Side Installation)



Horizontal

NOTE — Due to flue location on down-flo furnaces, front of clean air case must be installed to side or rear of furnace cabinet. If installed in a confined space, service clearance may be restricted.

NOTE — Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice.

SPECIFICATIONS

Model Number	CAC12
Air volume range — L/s (cfm)	285 — 945 (600 — 2000)
*Optional High Efficiency Filter Size — mm (inches) H x W x D	(1) 20 x 26-1/4 x 4 (508 x 667 x 102) (97H99)
†High Efficiency Filter — Efficiency Rating	25% to 35%
*Optional Standard Filter Size — mm (inches) H x W x D	(1) 20 x 25 x 1 (508 x 635 x 25)
Shipping weight — kg (lbs.)	8 (18)
Number of packages in shipment	1

* Filters are not furnished and must be ordered extra.

† Based on American Society of Heating, Refrigerating and Air Conditioning Engineers, Incorporated (ASHRAE) Standard test procedures #52-76. Test Method.

AIR RESISTANCE — Optional 102 mm (4 Inch) Filter

Air Volume		Total Resistance	
L/s	cfm	Pa	in. wg.
285	600	7	.03
380	800	15	.06
470	1000	20	.08
565	1200	30	.12
660	1400	37	.15
755	1600	42	.17
850	1800	47	.19
945	2000	55	.22

NOTE — Standard central system filter is removed and not included in table.

DIMENSIONS — mm (inches)

