



Description

The Clean Comfort™ AM11 Series of MERV 11 media air cleaners for residential applications helps remove a wide range of airborne particles as small as 0.3 micron.

- Intuitively designed with outer dimensions that match original equipment furnace and air handler cabinets for quick installation

Proprietary Notice

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Liability Notice

Daikin North America LLC does not accept any liability for installations of air cleaning equipment installed by unqualified personnel or the use of parts/components/filters/equipment that are not authorized or approved by Daikin.

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Houston, Texas • USA
www.cleancomfort.com

1-833-40-CLEAN (25326)

MERV 11 MEDIA AIR CLEANERS

Installation & Operation Manual

	Furnaces	Air Handlers
Air Cleaner Model #	AM11-1425-FA	AM11-1620-AB
	AM11-1625-FB	AM11-2020-AC
	AM11-2025-FC	AM11-2520-AD
	AM11-2525-FD	



IMPORTANT: READ AND SAVE THESE INSTRUCTIONS. THIS GUIDE TO BE LEFT WITH EQUIPMENT OWNER.





SPECIFICATIONS

READ AND SAVE THESE INSTRUCTIONS



WARNING!

This symbol indicates important instructions. Failure to heed them can result in serious injury or death.



CAUTION!

This symbol indicates important instructions. Failure to heed them can result in injury or material property damage.



WARNING!

Before beginning any installation or modification, be certain that the main line electrical disconnect switch is in the OFF position. Unexpected start-up of system blower may cause serious injury. Tag disconnect switch with suitable warning labels.



CAUTION!

Installation:

- Only a heating/air conditioning installer or qualified service person should install your air cleaner, unless you are completely familiar with the necessary tools, equipment and potential hazards involved. If you plan to install this air cleaner yourself, please be aware that the improper use of any tool can be dangerous. The manufacturer will not assume any responsibility for failures due to incorrect installation procedures.
- Homeowners can perform the basic maintenance functions of replacing filters.
- When working on the air cleaner, observe precautions in the Owner's Manual, labels attached to the furnace or air handler, and other safety precautions that may apply. Follow all safety codes. Wear safety glasses and work gloves.

Replacement Media Filters

	Air Cleaner Model #	Replacement Filter Part #
Furnaces	AM11-1425-FA	AMP-11-1425-45
	AM11-1625-FB	AMP-11-1625-45
	AM11-2025-FC	AMP-11-2025-45
	AM11-2525-FD	AMP-11-2525-45
Air Handlers	AM11-1620-AB	AMP-11-1620-45
	AM11-2020-AC	AMP-11-2020-45
	AM11-2520-AD	AMP-11-2025-45

SPECIFICATIONS

MODEL	Furnaces				Air Handlers		
	AM11-1425-FA	AM11-1625-FB	AM11-2025-FC	AM11-2525-FD	AM11-1620-AB	AM11-2020-AC	AM11-2520-AD
House Size Area	Up to 2400 ft ² (223 m ³)	Up to 3000 ft ² (279 m ³)	Up to 4000 ft ² (372 m ³)	Up to 4000 ft ² (372 m ³)	Up to 2400 ft ² (223 m ³)	Up to 3000 ft ² (279 m ³)	Up to 4000 ft ² (372 m ³)
Airflow	Up to 1200 CFM (2039 m ³ /hr)	Up to 1400 CFM (2379 m ³ /hr)	Up to 2000 CFM (3398 m ³ /hr)	Up to 2000 CFM (3398 m ³ /hr)	Up to 1200 CFM (2039 m ³ /hr)	Up to 1400 CFM (2379 m ³ /hr)	Up to 2000 CFM (3398 m ³ /hr)
Duct Size	14 x 25 in (35.6 x 63.5 cm)	16 x 20 in (40.5 x 63.5 cm)	25 x 20 in (63.5 x 51 cm)	25 x 25 in (63.5 x 63.5 cm)	16 x 20 in (40.5 x 51 cm)	20 x 20 in (51 x 51 cm)	25 x 20 in (63.5 x 51 cm)
Unit Weight	17 lbs. (7.7kg)	18 lbs. (8.2kg)	20 lbs. (9.1kg)	21 lbs. (9.5kg)	17 lbs. (7.7kg)	19 lbs. (8.6kg)	20 lbs. (9.1kg)
Pressure Drop	0.07in. w.g. @ 246 fpm	0.06in. w.g. @ 246 fpm	0.06in. w.g. @ 246 fpm	0.05in. w.g. @ 246 fpm	0.07in. w.g. @ 246 fpm	0.07in. w.g. @ 246 fpm	0.06in. w.g. @ 246 fpm
	0.21in. w.g. @ 492 fpm	0.19in. w.g. @ 492 fpm	0.19in. w.g. @ 492 fpm	0.15in. w.g. @ 492 fpm	0.21in. w.g. @ 492 fpm	0.20in. w.g. @ 492 fpm	0.19in. w.g. @ 492 fpm
MERV Rating	11	11	11	11	11	11	11

MERV Rating 11 - Minimum Filtration Efficiency @ 492fpm

E1 20% (0.3 - 1.0 micron)

E2 65% (1.0 - 3.0 micron)

E3 85% (3.0 - 10.0 micron)



INSTALLATION

Installation

IMPORTANT: This air cleaner may cause more of a restriction on the airflow in your air-handling system than a standard 1" equipment filter, because of its increased efficiency. The pressure drops through the AM11 Series of Media Air Cleaners with new filters at 50% and 100% of rated airflow. As the filter collects particulates, the pressure drop increases and airflow through the filter decreases. This air cleaner is not recommended where added pressure drop would cause operational problems with the heating and cooling equipment.

Location

This air cleaner is adaptable to all residential forced air heating or cooling systems. It is designed to be installed in the return air duct close to the blower compartment of the furnace or air handler. This location provides the most even air flow across the filter helping to keep the system motor and fan clean.

To improve the performance of your air cleaner, these simple steps are recommended:

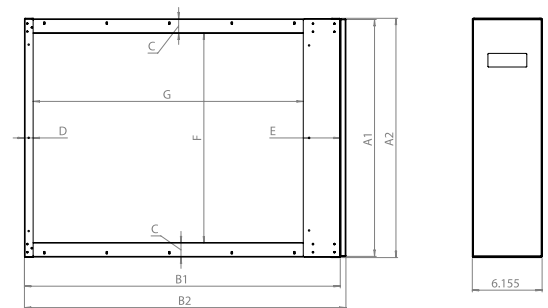
- Run your heating/cooling system fan continuously, on low speed if available, since your air cleaner only removes particulate matter when the system fan is operating.
- Ensure there are no obstructions to airflow (for example, from furniture or carpets) in front of the return air grilles so that air moves freely to the heating/cooling equipment.

! WARNING!
Turn off your heating and cooling system fan before performing maintenance to your air cleaner.

General Installation Steps

1. Remove existing equipment filter (if present) and clean blower compartment: Thoroughly clean the blower compartment, since your air cleaner cannot remove accumulated dirt from the blower chamber and distribution ducts.
2. **Leave sufficient room around your air cleaner:** There must be adequate room to remove and replace the filter from the air cleaner cabinet.
3. **Installing the cabinet:** Make sure screws do not protrude into the cabinet, causing filters to catch.
4. **Transitions:** If the air duct does not fit the air cleaner opening, a gradual transition is recommended to reduce air turbulence through the air cleaner and ensure its efficient operation. A maximum of 20° of expansion, or approximately 4 inches per running foot (10 cm per 30 cm), is recommended for each side of the transition fitting.
Note: Do not reduce ductwork size to fit a smaller air cleaner. This will increase the velocity of airflow and may decrease cleaning efficiency.
5. **Turning vanes:** If the air cleaner is installed adjacent to an elbow or angle fitting, field-installed turning vanes are recommended to improve air distribution across the filter.
6. **Seal the joints in the return air system:** All joints between the air cleaner, the heating / cooling equipment and the return air duct should be sealed to prevent dust from entering the clean air stream.

DIMENSIONS (in)									
MODEL	A	A2	B1	B2	C	D	E	F	G
AM11-1425-FA	14.1	15.0	27.9	28.5	0.8	0.8	3.3	12.5	23.9
AM11-1620-AB	17.5	17.6	21.0	21.7	1.5	0.8	1.8	14.5	18.5
AM11-1625-FB	17.5	17.6	27.9	28.5	1.5	0.8	3.3	14.4	23.8
AM11-2020-AC	21.0	21.1	21.0	21.7	1.3	0.8	1.8	18.5	18.5
AM11-2025-FC	21.0	21.1	27.9	28.5	1.3	0.8	3.3	18.5	23.9
AM11-2520-AD	25.1	26.0	21.0	21.7	1.8	0.8	1.8	21.4	18.5
AM11-2525-FD	25.1	26.1	27.9	28.5	1.1	0.8	3.3	23.0	23.8



Daikin North America LLC reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations. Performance of the Air Cleaners will depend on house plan design, duct design and heating/cooling equipment.



LIMITED WARRANTY

CLEAN COMFORT™ MEDIA AIR CLEANER LIMITED FIVE YEAR WARRANTY

This Clean Comfort™ product is warranted by Daikin North America LLC (“Daikin”) to the original owner to be free from defects in material and workmanship, under normal use and maintenance, within its listed capacity, for a period of five years from the date of purchase, except however, for the disposable media filter and optional carbon VOC filters, which will have to be replaced from time to time depending upon the use. This Clean Comfort™ product must not have been moved from the site of original installation. Daikin’s exclusive obligation, and the owner’s sole remedy, under this warranty shall be for Daikin to supply, without charge, a replacement for any covered part of the Air Cleaner which is found to be defective and is returned by the owner or a qualified servicing Daikin dealer prepaid, together with the serial number, date of installation, and proof of purchase. If the date of installation is unknown, Daikin will guarantee the unit for a period of sixty (60) months from the date of manufacture listed on the product’s rating plate. Any part replaced pursuant to this warranty is warranted only for the unexpired portion of the warranty term applying to the original part.

THIS WARRANTY DOES NOT COVER ANY LABOR OR OTHER COSTS incurred for diagnosis, repairing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts.

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warranty gives you specific legal rights and you may also have other rights which vary from state to state or province to province.

DAIKIN WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance including replacement of filters as outlined in the Installation and Maintenance Instructions.
2. Damage or repairs needed as a consequence of any misapplication, faulty installation, abuse, improper servicing, unauthorized alteration, or improper operation.
3. Damage as a result of floods, winds, fires, lightning, accidents, corrosive atmosphere, or other conditions beyond the control of Daikin.
4. Parts not supplied or designated by Daikin.
5. Products installed outside the continental U.S.A., Alaska, Hawaii and Canada.

Model No. _____

Serial No. _____

Date of Installation _____

Installed By _____

Owner’s Name & Address _____

ATTENTION INSTALLING CONTRACTOR: IF FAILURE SHOULD OCCUR, DO NOT RETURN PRODUCT TO THE DISTRIBUTOR. CALL THE TOLL-FREE HOTLINE 1-800-267-8305.

Daikin North America LLC
351 North Rivermede Road,
Concord, Ontario, L4K 3N2

FOR TECHNICAL ASSISTANCE, CALL THE AIR CLEANER
HOTLINE TOLL FREE 1-833-40-CLEAN (25326)

