



! WARNING

Only personnel that have been trained to install, adjust, service or repair (hereinafter, “service”) the equipment specified in this manual should service the equipment. Daikin will not be responsible for any injury or property damage arising from improper service or service procedures. If you service this unit, you assume responsibility for any injury or property damage which may result. In addition, in jurisdictions that require one or more licenses to service the equipment specified in this manual, only licensed personnel should service the equipment. Improper installation, adjustment, servicing or repair of the equipment specified in this manual, or attempting to install, adjust, service or repair the equipment specified in this manual without proper training may result in product damage, property damage, personal injury or death.

**PROP 65 WARNING
FOR CALIFORNIA CONSUMERS**

! WARNING

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov



*Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not a requirement in California or Quebec.

	Furnaces	Air Handlers
Air Cleaner Model #	DV15-2814-FA	DV15-2117-AB
	DV15-2817-FB	DV15-2121-AC
	DV15-2821-FC	DV15-2124-AD
	DV15-2824-FD	

MODELS

- DV15-2117-AB
- DV15-2121-AC
- DV15-2124-AD
- DV15-2814-FA
- DV15-2817-FB
- DV15-2821-FC
- DV15-2824-FD

Description

The Daikin Premium Air Cleaner is an in-line air cleaner that treats home air for airborne particulate matter found in the home. The high efficiency MERV 15 media filter removes more than 85% of particles down to 0.3 microns in size at rated flow.

Proprietary Notice

This document and the information disclosed herein are proprietary data of Daikin North America LLC. Neither this document nor the information contained herein shall be reproduced, used, or disclosed to others without the written authorization of Daikin North America LLC, except to the extent required for installation or maintenance of recipient's equipment.

Copyright Notice

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Replacement Media Filters


Air Cleaner Model ⁽¹⁾	Replacement Filter Part ⁽²⁾
DV15-2117-AB	0160M00013
DV15-2121-AC	0160M00014
DV15-2124-AD	0160M00015
DV15-2814-FA	0160M00016
DV15-2817-FB	0160M00017
DV15-2821-FC	0160M00018
DV15-2824-FD	0160M00019


Filter should be changed once or twice a year based on conditions within the home.


⁽¹⁾EPA EST. NO. 073316-TEX-001 • ⁽²⁾EPA EST. NO. 71027-MEX-001

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 trained personnel should install this unit (see warning on cover page).
- 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.

 **WARNING!** Risk of Carbon Monoxide poisoning. Do not use this air cleaner without the cabinet door installed. If the cabinet door is not installed, there is a risk that exhaust fumes may be drawn into occupied spaces, which can cause injury or death.

 **WARNING!** This air cleaner utilizes very strong magnets to fasten the cabinet door. Magnets may interfere with pacemakers and Implantable Cardiac Defibrillators (ICDs).

 **WARNING!** Do not ingest magnets; ingested magnets can cause serious intestinal injury.

 **CAUTION!** This air cleaner utilizes industrial strength magnets. Hold front door panel with both hands when removing or replacing door to avoid pinching fingers between door and cabinet.

Installation


IMPORTANT: This air cleaner may cause more of a restriction on the airflow in the air-handling system than a standard 1" equipment filter, because of its increased efficiency. 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 unitary 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 the air cleaner, these simple steps are recommended:

- Run your heating/cooling system fan continuously, on low speed if available, since the 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 the heating and cooling system fan before performing maintenance to the air cleaner.

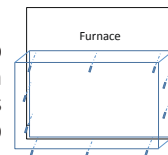
 **Important: Read and save these instructions. This guide to be left with equipment owner.**

General Installation Steps

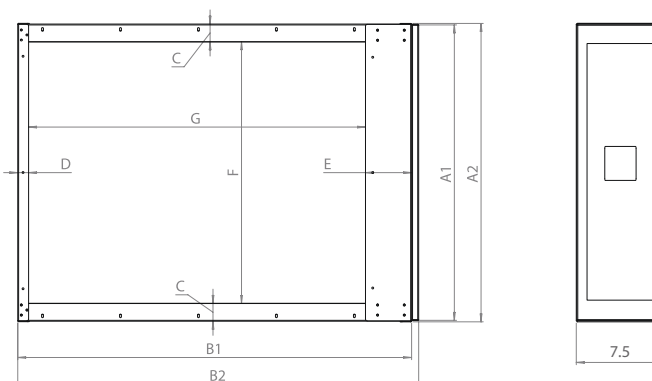
- 1. Remove existing equipment filter (if present) and clean blower compartment:** Thoroughly clean the blower compartment, since the air cleaner cannot remove accumulated dirt from the blower chamber and distribution ducts.
- 2. Leave sufficient room around the air cleaner:** There must be adequate room to remove and replace the filter from the air cleaner cabinet.
- 3. 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.
- 4. 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.
- 5. Remove the door:** When removing or replacing the door, hold the outer door panel with both hands. The door has industrial strength magnets in it which can pinch fingers if caught between door and cabinet.



- 6. Remove filter:** remove filter from cabinet
- 7. Install the cabinet:** Attach cabinet to furnace and filter riser, air handler or to plenum with the ten $\frac{8}{32} \times \frac{1}{2}$ " self-tapping hex head screws provided. Note direction of flow indicated on top and bottom of cabinet.
- 8. Seal the joints in the return air system:** All joints and seams between the air cleaner, the heating / cooling equipment and the return air duct should be sealed with aluminum tape or mastic to prevent dust from entering the clean air stream.
- 9. Replace filter and door:** After attaching cabinet and sealing all joints, reinstall filter (note direction of flow) and replace door, making sure it is properly seated.
- 10. Adjust Daikin Badge:** If a different orientation is needed, slide badge up and pull out of door. Rotate to proper orientation and reinstall.



MODEL	Dimensions (in)							
	A	B1	B2	C	D	E	F	G
DV15-2117-AB	17.5	21.1	21.7	1.4	0.8	1.3	14.7	19.4
DV15-2121-AC	21.0	21.1	21.7	1.4	0.8	1.3	18.2	19.4
DV15-2124-AD	24.5	21.1	21.7	1.4	0.8	1.3	21.7	19.4
DV15-2814-FA	14.0	28.0	28.6	0.8	0.8	3.8	12.5	23.9
DV15-2817-FB	17.5	28.0	28.6	0.8	0.8	3.8	16.0	23.9
DV15-2821-FC	21.0	28.0	28.6	0.8	0.8	3.8	19.5	23.9
DV15-2824-FD	24.5	28.0	28.6	0.8	0.8	3.8	23.0	23.9



MODEL	Specifications						
	DV15-2117-AB	DV15-2121-AC	DV15-2124-AD	DV15-2814-FA	DV15-2817-FB	DV15-2821-FC	DV15-2824-FD
Airflow - up to maximum rated flow	Up to 1200 cfm (2039 m³/h)	Up to 1600 cfm (2718 m³/h)	Up to 1800 cfm (3058 m³/h)	Up to 1200 cfm (2039 m³/h)	Up to 1600 cfm (2718 m³/h)	Up to 2000 cfm (3398 m³/h)	Up to 2000 cfm (3398 m³/h)
Duct Size	21 x 17 in (53 x 43 cm)	21 x 21 in (53 x 53 cm)	21 x 24 in (53 x 61 cm)	28 x 14 in (71 x 36 cm)	28 x 17 in (71 x 43 cm)	28 x 21 in (71 x 53 cm)	28 x 24 in (71 x 61 cm)
Pressure Drop* (Filter Only)	0.09 in. w.g. @ 600 cfm	0.09 in. w.g. @ 800 cfm	0.09 in. w.g. @ 900 cfm	0.08 in. w.g. @ 600 cfm	0.08 in. w.g. @ 800 cfm	0.08 in. w.g. @ 1000 cfm	0.06 in. w.g. @ 1000 cfm
	0.26 in. w.g. @ 1200 cfm	0.29 in. w.g. @ 1600 cfm	0.25 in. w.g. @ 1800 cfm	0.25 in. w.g. @ 1200 cfm	0.24 in. w.g. @ 1600 cfm	0.22 in. w.g. @ 2000 cfm	0.17 in. w.g. @ 2000 cfm
MERV Rating*	15	15	15	15	15	15	15

Notes:

1. Installation with units with ECM motors recommended.
2. Two filters should be considered for any airflow rates above maximum rated flow or when duct pressure loss is excessive.

Furnace Size	A	B	C	D
Furnace Riser	AMP-BSRB-2814	AMP-BSRB-2817	AMP-BSRB-2821	AMP-BSRB-2824

When using a furnace riser use DV15-2824-FD on all size furnaces

MERV Rating 15 - Minimum Filtration Efficiency @492 fpm: • E1 85% (0.3 - 1.0 micron) • E2 90% (1.0 - 3.0 microns) • E3 95% (3.0 - 10.0 microns)

*Independent testing performed by LMS Technologies, Inc.

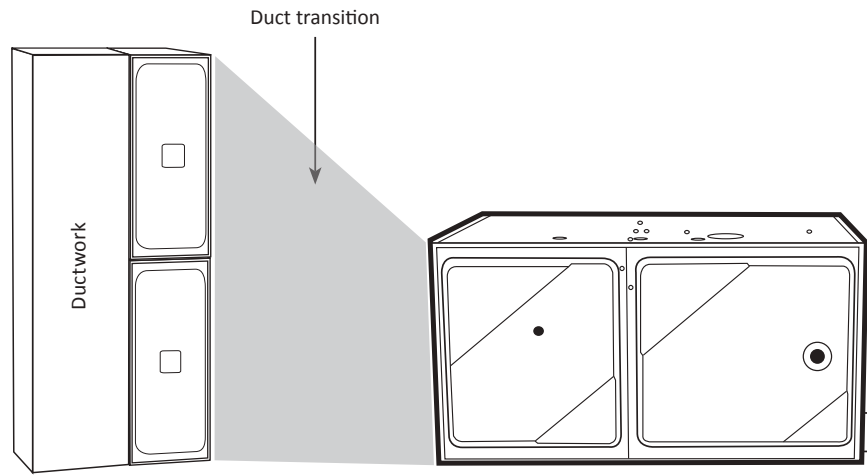


Furnace Riser

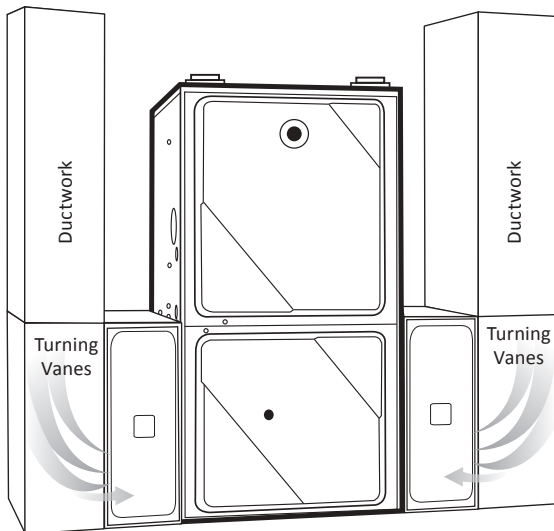
Filter Match-up Options

Air Handler Filter Options		
Air Handler Size	Bottom/Top Return	Plenum Return
B	21x17	21x21
C	21x21	21x24
D	21x24	21x24

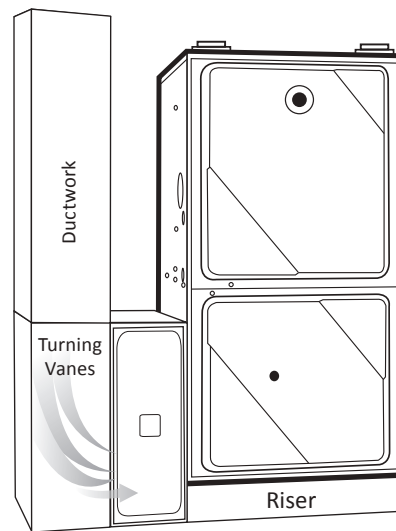
Furnace Filter Options			
Furnace Size	Bottom/Top Return	Side Return	Side Return with Furnace Riser
A	28x14	28x17	28x24
B	28x17	28x17	28x24
C	28x21	(2) 28x17	28x24
D	28x24	(2) 28x17	28x24



**Duct transition for side flow dual filter installation
furnace/air handler application**



Dual filter furnace application, side return (For any side return on a furnace without a furnace riser, use one DV15-2817-FB on A & B or two DV15-2817-FB on C & D furnace sizes)

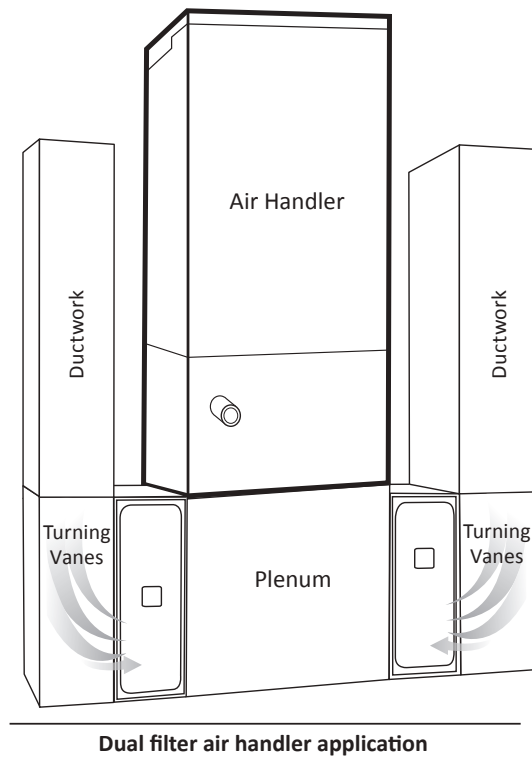
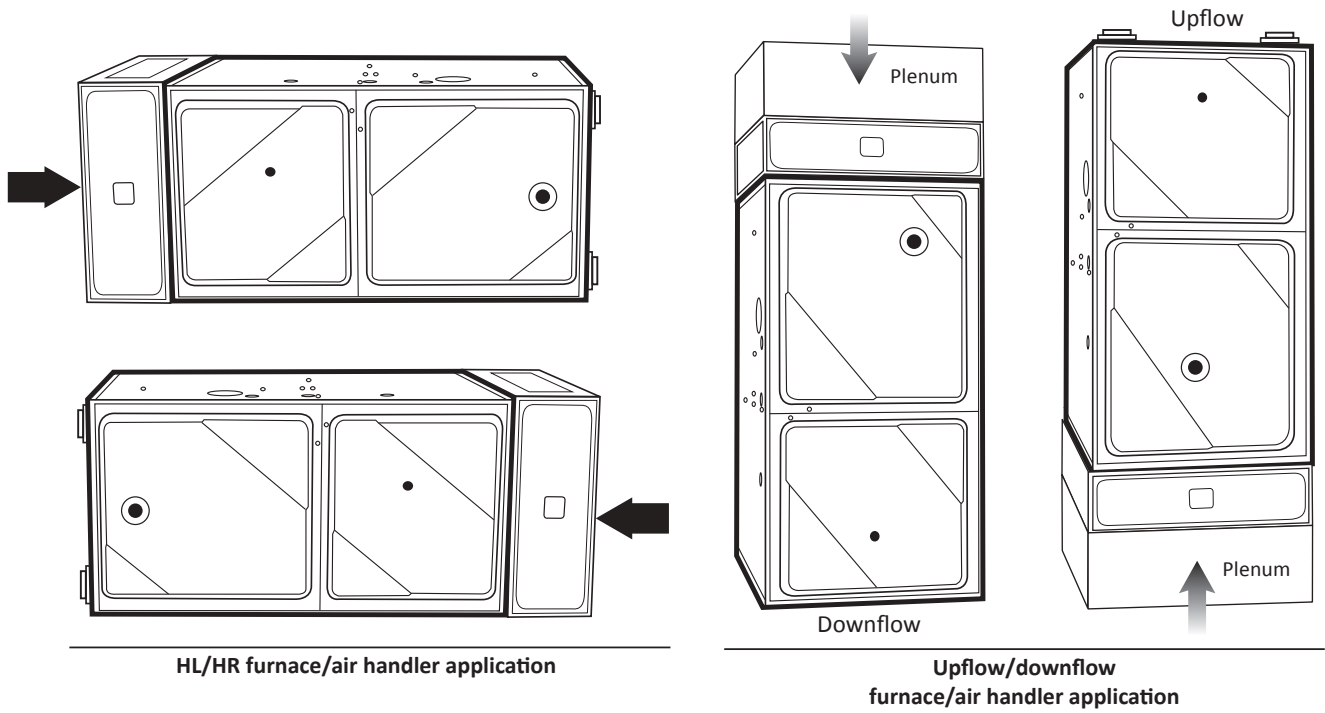


Single filter furnace application, side return with furnace riser (When using a furnace riser, use DV15-2824-FD on all furnace sizes)



Furnace Riser

NOTE: Not all installation options are included below.



Models:

DV15 Series - Premium Air Cleaners – Media Air Cleaners Models: DV15-2117-AB, DV15-2121-AC, DV15-2124-AD, DV15-2814-FA, DV15-2817-FB, DV15-2821-FC, DV15-2824-FD

Who Is Providing The Warranty?

This warranty is provided to you by Daikin North America LLC (“Daikin”), which warrants all parts of this unit, as described below.

To What Type Of Installations Does This Warranty Apply?

This warranty applies to units installed in owner-occupied residences.

What Units Does This Warranty Not Cover?

This warranty does not apply to:

- Units that are ordered over the Internet, by telephone, or by other electronic means unless the unit is installed by a licensed dealer.
- Units that are installed outside the United States, its territories, or Canada.
- Units that are operated in incomplete structures.
- Units that are installed in buildings other than owner-occupied residences, such as non-residential buildings or multi-family residences not occupied by the owner.

What Problems Does This Warranty Cover?

This warranty covers defects in materials and workmanship that appear under normal use and maintenance.

Other Warranties

This warranty is in lieu of all other express warranties. **ANY IMPLIED WARRANTIES BY DAIKIN, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY. NO AFFILIATE OF DAIKIN GIVES ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ON THIS UNIT.** Some states and provinces do not allow the exclusion of express warranties and/or limitations on how long an implied warranty lasts, so the above exclusion and/or limitation may not apply to you.

What Problems Does This Warranty Not Cover?

Daikin is not responsible for:

- Normal maintenance as described in the installation and operating manual, such as filter cleaning and/or replacement.
- Damage or repairs required as a consequence of faulty installation or application.
- Damage as a result of floods, fires, winds, lightning, accidents, corrosive atmosphere, or other conditions beyond Daikin’s control.
- Damage or the need for repairs arising from the use of components or accessories not compatible with this unit.
- Parts or accessories not supplied or designated by the manufacturer.
- Damage or the need for repairs resulting from any improper use, maintenance, operation, or servicing.
- Damage or failure of the unit to start due to interruption in electrical service or inadequate electrical service.
- Any damage caused by frozen or broken water pipes in the event of equipment failure.
- Changes in the appearance of the unit that do not affect its performance.
- Replacement of fuses and replacement or resetting of circuit breakers.

When Does Warranty Coverage Begin?

Warranty coverage begins on the “installation date.” The installation date is one of three dates depending on the circumstances of purchase:

1. For units installed in a newly constructed residence, the installation date is the date the owner purchases the residence from the builder.
2. For units installed in existing residences, the installation date is the date that the unit is originally installed.
3. If the date the owner purchases the residence from the builder or the date the unit is originally installed cannot be verified, the installation date is three months after the manufacture date.

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How Long Does Warranty Coverage Last?

The warranty lasts for as long as the original owner or his or her spouse own and reside in the home in which the unit was originally installed, for a period up to 12 YEARS.

This warranty period does not continue after the unit is removed from the location where it was originally installed.

The replacement of a part under this warranty does not extend the warranty period. In other words, Daikin warrants a replacement part only for the period remaining in the warranty that commenced on the installation date.

What Will Daikin Do To Correct Problems?

Daikin will furnish a replacement part, without charge for the part only, to replace any part that is found to be defective due to workmanship or materials under normal use and maintenance. Furnishing of the replacement part is Daikin's only responsibility under this warranty and the furnishing of the replacement part is the owner's only remedy.

THE OWNER AGREES THAT THESE REMEDIES ARE THE OWNER'S EXCLUSIVE REMEDIES FOR BREACH OF ALL WARRANTIES, EXPRESS OR IMPLIED.

What Won't Daikin Do To Correct Problems?

Daikin will not pay for:

- Labor, freight, or any other cost associated with the service, repair, or operation of the unit.
- Electricity or fuel costs, or increases in electricity or fuel costs, for any reason, including additional or unusual use of supplemental electric heat.
- Lodging or transportation charges.
- Filters.

WHETHER ANY CLAIM IS BASED ON NEGLIGENCE OR OTHER TORT, BREACH OF WARRANTY OR OTHER BREACH OF CONTRACT, OR ANY OTHER THEORY, NEITHER DAIKIN NOR ANY OF ITS AFFILIATES SHALL IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOSS OF USE OF A UNIT, EXTRA UTILITY EXPENSES, OR DAMAGES TO PROPERTY. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

How Can The Owner Receive Warranty Service?

If there is a problem with the unit, contact a licensed contractor.

To receive a replacement part, a licensed contractor must bring the defective part to a Daikin products distributor.

For more information about the warranty, contact Daikin Consumer Affairs at 855-770-5678 or write to Daikin Consumer Affairs, 7401 Security Way, Houston, Texas 77040.

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

Quebec Residents

The arbitration provisions of this warranty shall not apply to residents of Quebec.

Where Can Any Legal Remedies Be Pursued?

ARBITRATION CLAUSE. IMPORTANT. PLEASE REVIEW THIS ARBITRATION CLAUSE. IT AFFECTS YOUR LEGAL RIGHTS.

1. *Parties:* This arbitration clause affects your rights against Daikin and any of its affiliates or employees or agents, successors, or assigns, all of whom together are referred to below as "we" or "us" for ease of reference.
2. **ARBITRATION REQUIREMENT: EXCEPT AS STATED BELOW, ANY DISPUTE BETWEEN YOU AND ANY OF US SHALL BE DECIDED BY NEUTRAL, BINDING ARBITRATION RATHER THAN IN COURT OR BY JURY TRIAL.** "Dispute" will be given the broadest possible meaning allowable by law. It includes any dispute, claim, or controversy arising from or relating to your purchase of this heating or air conditioning unit, any warranty upon the unit, or the unit's condition. It also includes determination of the scope or applicability of this Arbitration Clause. The arbitration requirement applies to claims in contract and tort, pursuant to statute, or otherwise.
3. **CLASS-ARBITRATION WAIVER: ARBITRATION IS HANDLED ON AN INDIVIDUAL BASIS. IF A DISPUTE IS ARBITRATED, YOU AND WE EXPRESSLY WAIVE ANY RIGHT TO PARTICIPATE AS A CLASS REPRESENTATIVE OR CLASS MEMBER ON ANY CLASS CLAIM YOU MAY HAVE AGAINST US OR WE AGAINST YOU, OR AS A PRIVATE ATTORNEY GENERAL OR IN ANY OTHER REPRESENTATIVE CAPACITY. YOU AND WE ALSO WAIVE ANY RIGHT TO CLASS ARBITRATION OR ANY CONSOLIDATION OF INDIVIDUAL ARBITRATIONS.**
4. *Discovery and Other Rights:* Discovery and rights to appeal in arbitration are generally more limited than in a lawsuit. This applies to both you and us. Other rights that you or we would have in court may not be available in arbitration. Please read this Arbitration Clause and consult the rules of the arbitration organizations listed below for more information.
5. **SMALL CLAIMS COURT OPTION: YOU MAY CHOOSE TO LITIGATE ANY DISPUTE BETWEEN YOU AND ANY OF US IN SMALL CLAIMS COURT, RATHER THAN IN ARBITRATION, IF THE DISPUTE MEETS ALL REQUIREMENTS TO BE HEARD IN SMALL CLAIMS COURT.**

Models:

DV15 Series - Premium Air Cleaners – Media Air Cleaners Models: DV15-2117-AB, DV15-2121-AC, DV15-2124-AD, DV15-2814-FA, DV15-2817-FB, DV15-2821-FC, DV15-2824-FD

6. *Governing Law:* For residents of the United States, the procedures and effect of the arbitration will be governed by the Federal Arbitration Act (9 U.S.C. § 1 et seq.) rather than by state law concerning arbitration. For residents of Canada, the procedures and effect of the arbitration will be governed by the applicable arbitration law of the province in which you purchased your unit. The law governing your substantive warranty rights and other claims will be the law of the state or province in which you purchased your unit. Any court having jurisdiction may enter judgment on the arbitration award.
7. *Rules of the Arbitration:* If the amount in controversy is less than \$250,000, the arbitration will be decided by a single arbitrator. If the amount in controversy is greater than or equal to \$250,000, the arbitration will be decided by a panel of three arbitrators. The arbitrator(s) will be chosen pursuant to the rules of the administering arbitration organization. United States residents may choose the American Arbitration Association (1633 Broadway, 10th Floor, New York, NY 10019, www.adr.org), JAMS (1920 Main Street, Ste. 300, Irvine, CA 92614, www.jamsadr.com), or, subject to our approval, any other arbitration organization. In addition, Canadian residents may choose the ADR Institute of Canada (234 Eglinton Ave. East, Suite 405, Toronto, Ontario, M4P 1K5, www.amic.org). These organizations' rules can be obtained by contacting the organization or visiting its website. If the chosen arbitration organization's rules conflict with this Arbitration Clause, the provisions of this Arbitration Clause control. The award of the arbitrator(s) shall be final and binding on all parties.
8. *Location of the Arbitration Hearing:* Unless applicable law provides otherwise, the arbitration hearing for United States residents will be conducted in the federal judicial district in which you reside or, for Canadian residents, in the province in which you reside.
9. *Costs of the Arbitration:* Each party is responsible for its own attorney, expert, and other fees unless applicable law requires otherwise. Daikin will pay your share of the fees charged by the arbitration organization and arbitrator(s) beyond the first \$200. Where permissible by law, you may be required to reimburse Daikin for the fees of the arbitration organization and arbitrator(s) in whole or in part by decision of the arbitrator(s) at the discretion of the arbitrator(s).
10. *Survival and Enforceability of this Arbitration Clause:* This Arbitration Clause shall survive the expiration or termination, or any transfer, of the warranty on your unit. If any part of this Arbitration Clause, except waivers of class-action rights, is found to be unenforceable for any reason, the remainder of this clause and the warranty shall remain enforceable. If, in a case in which class-action allegations have been made, the waiver of class-action rights under this warranty is found to be unenforceable with respect to any part of the dispute, the parts of the dispute as to which the waiver of class-action rights have been found unenforceable will be severed and will proceed in court without reference or application of this Arbitration Clause. Any remaining parts will proceed in arbitration.

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.