



VRF SYSTEMS

LG Air Conditioning Technologies



ABOUT LG



About LG Electronics USA

LG Electronics USA, Inc., based in Englewood Cliffs, New Jersey, is the North American subsidiary of LG Electronics, Inc., a \$48 billion global force and technology leader. LG Electronics, named an ENERGY STAR® Partner of the Year for many years, sells a range of stylish and innovative home entertainment products, home appliances, commercial displays, air conditioning systems and solar energy solutions in the United States, all under LG's "Life's Good" marketing theme. For more news and information on LG Electronics, please visit www.LG.com.

LG Electronics USA Air Conditioning Technologies

The LG Electronics USA Air Conditioning Technologies business is based in Alpharetta, Georgia. LG is a leading player in the global air conditioning market, manufacturing both commercial and residential air conditioners and providing total sustainability and building management solutions. From consumer and individual units to industrial and specialized air conditioning systems, LG provides a wide range of products for heating, ventilating and air conditioning. For more information, please visit www.lghvac.com.

ABOUT LG VRF

A Variable Refrigerant Flow (VRF) system is a single refrigerant circuit that connects many indoor units to one outdoor unit. VRF is a superior way to heat and cool any space, providing improved humidity control, individual set points per indoor unit, and a very quiet comfort experience. In the heat recovery configuration, VRF also allows for heating and cooling simultaneously in different zones, further enhancing energy savings and increasing occupant comfort. Energy efficient and easy to design, install, and maintain; a VRF system has low life cycle cost compared to other systems on the market today.

Why LG VRF?

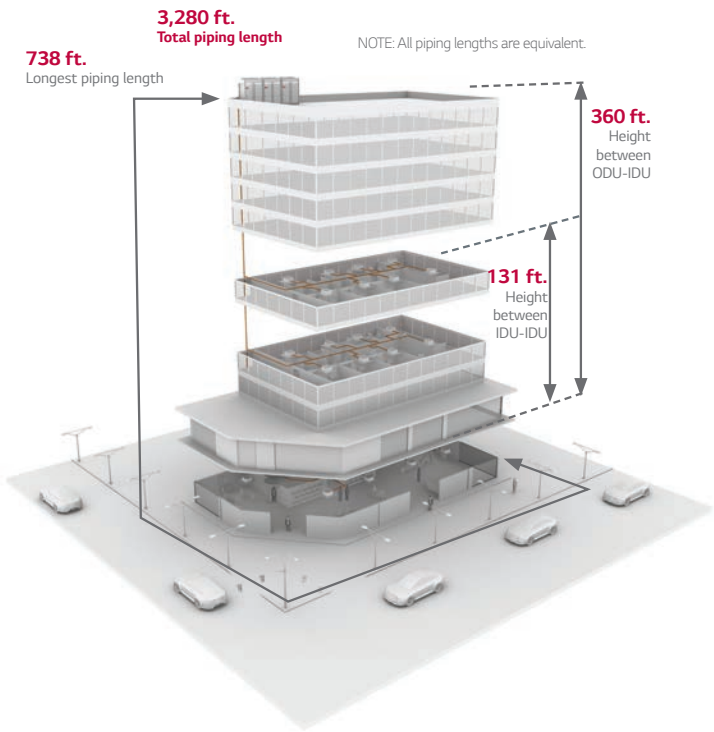
The benefits are numerous: less piping for installers, energy efficiency for owners, and modern indoor units that complement every setting. Sound levels of LG VRF products are among the lowest in the industry, so units can be installed where noise is an issue. Inverter scroll compressors manufactured by LG optimize system energy efficiency.

With the addition of LGRED° heating capability, the Multi V™ 5 provides continuous operational performance with heating down to -22° F and cooling up to 122° F for all units with no additional accessories or modifications to the equipment, making it a robust solution for all climates.

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

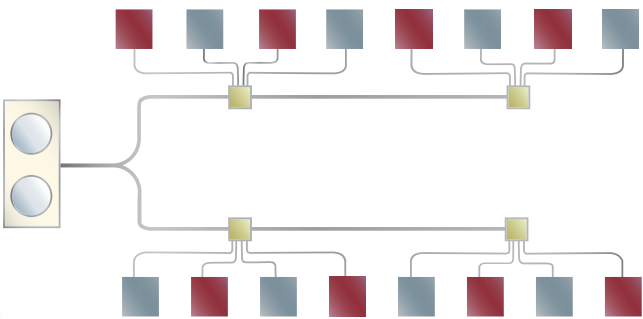
MULTI V™ 5

1. High Elevation Piping Distances



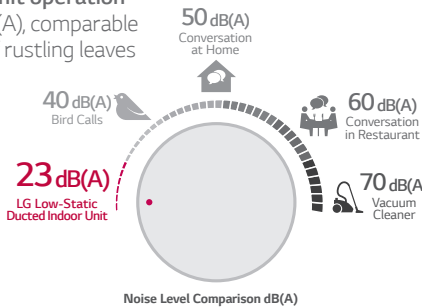
2. Optimized Heat Recovery Piping

- Flexible piping layout reduces materials and labor costs during installation
- LG Heat Recovery Unit (HRU) is quiet, compact, lightweight, and does not need condensate drains¹
- Configured for fully independent heating and cooling, ensuring occupant comfort



4. Quiet Operation

- Quiet indoor unit operation down to 23 dB(A), comparable to the sound of rustling leaves



3. Operation Range

- Industry-leading operation ranges without additional accessories or performance deficits:
 - Heating: -22° F to 61° F WB
 - Cooling: 5° F to 122° F DB
 - Simultaneous Operation: 14° F to 81° F DB

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

1. Down to 31 dB(A). See page 44 for HRU specification details.

LG VRF ADVANTAGES

Efficiency

Advanced features for superior efficiency

- **Advanced Smart Load Control**
Automatically adjusts system target pressures based on outdoor temperature and humidity for increased cooling performance.
- **Active Refrigerant Control**
Depending on the operating mode and conditions, the system refrigerant level is automatically adjusted for increased part load and heating efficiency.
- **Variable Path Heat Exchanger**
Depending on the operating mode and conditions, both the refrigerant flow path and velocity are adjusted for improved efficiency.
- **Advanced PCB Cooling**
Improved cooling performance of the inverter PCB by using liquid refrigerant instead of heat sink cooling methods.
- **LG Inverter Scroll**
Innovative high side-shell design creates a more compact unit providing the same capacity output, with greater reliability in cold climates.
- **HiPOR™ (High-Pressure Oil Return)**
Oil is returned to the compressor through a separate inlet pipe, ensuring that compressor energy is used to compress refrigerant only.
- **Smart Oil Control**
Eliminates timed oil-return cycles and takes hours off of the time required to return oil compared to systems that use a timed oil-recovery cycle.
- **Intelligent Heating**
By monitoring the outdoor humidity, system target pressures can be reduced to extend heating operation, delay defrost operation and reduce power consumption.



Design Flexibility

- **Higher-Elevation Piping Technology**
More floors with fewer systems. LG Multi V™ 5 eliminates the need to invest in extra systems and saves on installation. Enjoy no heating capacity losses due to long pipe length.
- **Compact & Lightweight**
More indoor zones, less outdoor space. When space or access is at a premium, Multi V 5 offers significant cost advantages on large projects.
- **Quiet Operation**
Multi V indoor units are among the quietest in the industry, with rated sound levels as low as 23dB(A). In addition to temperature, airflow and dehumidification, extremely low sound levels contribute to a relaxing environment.
- **Individualized Zone Control**
Multi V systems allow the user to control the space to the exact temperature desired. This further enhances comfort while promoting reduced power consumption.
- **Indoor Air Quality**
All Multi V indoor units incorporate a reusable, washable filter. Since distribution and return ducts are not required for this system, dust and duct mold accumulation are reduced, contributing to improved indoor air quality.

Performance

Expansive operating range in cooling and heating without adding accessories

- LG Multi V 5 uses vapor injection technology for improved heating performance in ambient conditions as low as -22°F.
- Using a variable path heat exchanger, LG Multi V™ 5 performs in low ambient conditions to provide cooling down to 5°F.

Comfort

TRAINING



Training

The LG US Air Conditioning division is headquartered near Atlanta in Alpharetta, Georgia, along with a full training academy. Additional training academies are located in California, Texas and New Jersey. Since 2008, our academies have trained thousands on the advantages of LG air conditioning systems, and even more have been trained through LG's online training modules. World class trainers with years of experience teach classes in duct-free technology, with topics covering everything from installation to service for the full range of LG air conditioning products. LG also has a number of strategically placed partner academies throughout the United States that offer a number of LG training classes as well.

For HVAC professionals, LG offers online instruction via our Learning Management System and classroom training at our training academies, strategically placed throughout the country. Training is open to all contractors; ask your LG Electronics authorized distributor for details. For more information and to find out how you can be part of the next training class near you, visit <https://lghvac.com/training>.

Design and Service Tools

As part of our commitment to innovation, LG has developed innovative ways to enhance the service technician's experience during routine maintenance or service with these tools:

- **LG Monitoring View (LGMV)** Software and Mobile App both connect to LG Multi V Systems to allow technicians to troubleshoot accurately and evaluate equipment performance by interfacing directly with the unit. The software provides an accurate picture of an operating system without the need to check system temperatures manually, access the refrigerant circuit for system pressures, or perform time-consuming resistance and voltage tests. This service tool provides the most effective troubleshooting method for LG Multi V equipment.
- **LATS HVAC** is a system design tool for LG Air Conditioning Technologies systems, including Multi V, Multi F, Single Zone, and ERV. Also available to assist with the system design process are an AutoCAD plug-in (LATS CAD) and an Autodesk Revit plug-in (LATS Revit). Using drag and drop functionality, design your LG system quickly and let the system calculate critical details like output capacity and additional refrigerant and confirm pipe lengths are within allowable tolerances. Reach out to your local LG representative for help designing your next system with LATS to save time.



AIR SOURCE

| | |
|------------------------|----|
| Multi V™ 5 with LGRED° | 13 |
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| Multi V™ S | 25 |

WATER SOURCE

| | |
|---------------------------------|----|
| Multi V™ Water IV Heat Pump | 28 |
| Multi V™ Water IV Heat Recovery | 34 |

AIR TECHNOLOGIES

| | |
|---|----|
| Energy Recovery Ventilator (ERV) | 41 |
| Outside Air Unit (OAU) | 42 |
| Air Handling Unit (AHU) Conversion Kits | 43 |
| Rooftop DOAS | 45 |











OUTDOOR UNIT ACCESSORIES

| | |
|--------------------|----|
| Heat Recovery Unit | 48 |
| Accessories | 49 |

OUTDOOR UNIT

Lineup















● = Heat Pump
● = Heat Recovery
Unit : Tons

| System Type | | Frames | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 48 |
|--------------|---|---|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Air Source | Multi V™ 5 LGRED° <small>Powerful Heat Technology RELIABLE TO EXTREME DEGREES</small> |  | | | | | ● ● | ● ● | ● ● | ● ● | ● ● | ● ● | ● ● | ● ● | | | | | | | | | | | | |
| | |  | | | | | | | | | | | | | ● ● | ● ● | ● ● | ● ● | ● ● | ● ● | ● ● | | | | | |
| | |  | | | | | | | | | | | | | | | | | | | | ● ● | ● ● | ● ● | ● ● | |
| | Multi V™ S | ● Heat Pump or Heat Recovery Systems ● Single-Phase Power  | ● | ● ● | ● ● | ● ● | | | | | | | | | | | | | | | | | | | | |
| Water Source | Multi V™ Water IV 208-230V |  | | | | | ● ● | ● ● | ● ● | ● ● | | | | | | | | | | | | | | | | |
| | |  | | | | | | | | | | ● ● | | ● ● | | ● ● | | | | | | | | | | |
| | |  | | | | | | | | | | | | | | | | ● ● | | | | ● ● | | | | |
| | Multi V™ Water IV 460V |  | | | | | ● ● | ● ● | ● ● | ● ● | | ● ● | | | | | | | | | | | | | | |
| | |  | | | | | | | | | | | | ● ● | | ● ● | | ● ● | | | | | | | | |
| | |  | | | | | | | | | | | | | | | | | | | | ● ● | | ● ● | | ● ● |

INDOOR UNIT Lineup

LG indoor units offer a wide range of styles and features to fit all of your cooling and heating needs. With cassettes that mount flush to the ceiling, ducted units that are completely concealed in the ceiling, and LG's award-winning Art Cool Gallery and mirror-finished, wall-mounted units that fit into any décor, the Multi V system offers unparalleled aesthetic design and indoor units to fit into multiple applications.

Unit : kBtu/h

| Chassis | | 5 | 7 | 9 | 12 | 15 | 18 | 24 | 28 | 30 | 36 | 42 | 48 | 54 | 76 | 96 |
|---------------------------|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| Art Cool™ | Gallery  | | | ● | ● | | | | | | | | | | | |
| | Mirror  | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| Standard | Wall Mounted  | ● | ● | ● | ● | ● | ● | ● | | ● | ● | | | | | |
| Ceiling Cassette | 1-Way  | | ● | ● | ● | | ● | ● | | | | | | | | |
| | 2-Way  | | | | | | ● | ● | | | | | | | | |
| | 4-Way (2'x2')  | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| | 4-Way (3'x3')  | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | | |
| Ceiling Suspend- ed | Ceiling Mounted  | | | | | | ● | ● | | | ● | | ● | | | |
| Ceiling Concealed Duct | Low Static  | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | Mid Static  | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | ● | | |
| | High Static  | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | ● | | ● | ● |
| Vertical AHU | Vertical / Horizontal  | | | | ● | | ● | ● | | ● | ● | ● | ● | ● | | |
| Floor Standing | With Case  | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| | Without Case  | | ● | ● | ● | ● | ● | ● | | | | | | | | |

AIR SOURCE SYSTEMS

MULTI V 5



MULTI V 5
Heat Pump and
Heat Recovery
6 to 42 Tons

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES

MULTI V S



MULTI V S
Heat Pump and
Heat Recovery
3 to 4 Tons

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES



MULTI V S
Heat Pump or
Heat Recovery
2 to 5 Tons

MULTI V™ 5

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES



ARUM072BTE5

ARUM***BTE5

| Specifications | | Unit | ARUM072BTE5 | ARUM096BTE5 | ARUM121BTE5 | ARUM144BTE5 |
|---------------------------------|-------------------------|------------|--------------------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARUM072BTE5 | ARUM096BTE5 | ARUM121BTE5 | ARUM144BTE5 |
| Tons | | | 6 | 8 | 10 | 12 |
| Nominal Capacity | Cooling | Btu/h | 72,000 | 96,000 | 119,700 | 144,000 |
| | Heating | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| Rated Capacity¹ | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| | Heating | Btu/h | 77,000 | 103,000 | 129,000 | 152,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | *F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | *F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | *F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 36-5/8×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 |
| Weight | Net | lbs | 430 | 507 | 507 | 639 |
| | Shipping | lbs | 452 | 534 | 534 | 666 |
| Sound Pressure³ | | dB(A) | 58.0 | 58.0 | 59.0 | 60.0 |
| Fan (Propeller) | | Rated CFM | 6,600 | 7,400 | 8,400 | 9,300 |
| | | Max. CFM | 8,470 | 11,300 | 11,300 | 11,300 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 2 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17 | 2/17 | 2/17 | 3/17 |
| Piping | Liquid Line | in | 3/8 | 3/8 | 1/2 | 1/2 |
| | L/P Vapor Line | in | 3/4 | 7/8 | 1-1/8 | 1-1/8 |
| | H/P Vapor Line⁴ | in | 5/8 | 3/4 | 3/4 | 7/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 14.3 | 23.2 | 23.2 | 26.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 13 | 16 | 20 | 24 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ 5

LGRED°
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES



ARUM***BTE5

| Specifications | | Unit | ARUM168BTE5 | ARUM192BTE5 | ARUM216BTE5 | ARUM241BTE5 |
|---------------------------------|-------------------------|------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARUM168BTE5 | ARUM192BTE5 | ARUM216BTE5 | ARUM241BTE5 |
| Tons | | | 14 | 16 | 18 | 20 |
| Nominal Capacity | Cooling | Btu/h | 168,000 | 192,000 | 216,000 | 233,100 |
| | Heating | Btu/h | 189,000 | 216,000 | 243,000 | 243,000 |
| Rated Capacity¹ | Cooling | Btu/h | 160,000 | 184,000 | 206,000 | 222,000 |
| | Heating | Btu/h | 180,000 | 206,000 | 230,000 | 230,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | *F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | *F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | *F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 |
| Weight | Net | lbs | 639 | 659 | 666 | 666 |
| | Shipping | lbs | 666 | 688 | 694 | 694 |
| Sound Pressure³ | | dB(A) | 61.0 | 62.0 | 64.0 | 65.0 |
| Fan (Propeller) | | Rated CFM | 10,300 | 10,300 | 10,300 | 10,300 |
| | | Max. CFM | 11,300 | 11,300 | 11,300 | 11,300 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 2 | 2 | 2 | 2 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 3/17 | 3/17 | 3/17 | 3/17 |
| Piping | Liquid Line | in | 5/8 | 5/8 | 5/8 | 5/8 |
| | L/P Vapor Line | in | 1-1/8 | 1-1/8 | 1-1/8 | 1-3/8 |
| | H/P Vapor Line⁴ | in | 7/8 | 1-1/8 | 1-1/8 | 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 26.5 | 30.9 | 37.5 | 37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 29 | 32 | 35 | 39 |

MULTI V™ 5



ARUM***BTE5

| Specifications | | Unit | ARUM264BTE5 | ARUM288BTE5 | ARUM312BTE5 | ARUM336BTE5 |
|---------------------------------|-------------------------|------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Frames | | | ARUM096BTE5 ARUM168BTE5 | ARUM096BTE5 ARUM192BTE5 | ARUM096BTE5 ARUM216BTE5 | ARUM121BTE5 ARUM216BTE5 |
| Tons | | | 22 | 24 | 26 | 28 |
| Nominal Capacity | Cooling | Btu/h | 264,000 | 288,000 | 312,000 | 336,000 |
| | Heating | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| Rated Capacity¹ | Cooling | Btu/h | 252,000 | 276,000 | 298,000 | 320,000 |
| | Heating | Btu/h | 282,000 | 308,000 | 332,000 | 358,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 |
| | Net | lbs | 507+639 | 507+659 | 507+666 | 507+666 |
| Weight | Shipping | lbs | 534+666 | 534+688 | 534+694 | 534+694 |
| Sound Pressure³ | | dB(A) | 63.0 | 63.0 | 65.0 | 65.0 |
| Fan (Propeller) | | Rated CFM | 17,700 | 17,700 | 17,700 | 18,700 |
| | | Max. CFM | 22,600 | 22,600 | 22,600 | 22,600 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 3 | 3 | 3 | 3 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17+3/17 | 2/17+3/17 | 2/17+3/17 | 2/17+3/17 |
| Piping | Liquid Line | in | 3/8 + 5/8 | 3/8 + 5/8 | 3/8 + 5/8 | 1/2 + 5/8 |
| | L/P Vapor Line | in | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line⁴ | in | 3/4 + 7/8 | 3/4 + 1-1/8 | 3/4 + 1-1/8 | 3/4 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 23.2+26.5 | 23.2+30.9 | 23.2+37.5 | 23.2+37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 42 | 45 | 52 | 55 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ 5



ARUM***BTE5

| Specifications | | Unit | ARUM360BTE5 | ARUM384BTE5 | ARUM408BTE5 |
|---------------------------------|-------------------------|------------|------------------------------|------------------------------|------------------------------|
| Frames | | | ARUM144BTE5 ARUM216BTE5 | ARUM168BTE5 ARUM216BTE5 | ARUM192BTE5 ARUM216BTE5 |
| Tons | | | 30 | 32 | 34 |
| Nominal Capacity | Cooling | Btu/h | 360,000 | 384,000 | 408,000 |
| | Heating | Btu/h | 405,000 | 432,000 | 459,000 |
| Rated Capacity¹ | Cooling | Btu/h | 344,000 | 366,000 | 390,000 |
| | Heating | Btu/h | 384,000 | 410,000 | 434,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 |
| | Net | lbs | 639+666 | 639+666 | 659+666 |
| Weight | Shipping | lbs | 666+694 | 666+694 | 688+694 |
| Sound Pressure³ | | dB(A) | 66.0 | 66.0 | 66.0 |
| Fan (Propeller) | | Rated CFM | 19,600 | 20,600 | 20,600 |
| | | Max. CFM | 22,600 | 22,600 | 22,600 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 4 | 4 | 4 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 3/17 x 2 | 3/17 x 2 | 3/17 x 2 |
| Piping | Liquid Line | in | 1/2 + 5/8 | 5/8 + 5/8 | 5/8 + 5/8 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line⁴ | in | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 26.5+37.5 | 26.5+37.5 | 30.9+37.5 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 58 | 61 | 64 |

MULTI V™ 5

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ARUM***BTE5

| Specifications | | Unit | ARUM432BTE5 | ARUM456BTE5 | ARUM480BTE5 | ARUM504BTE5 |
|---------------------------------|-------------------------|------------|---|---|---|---|
| Frames | | | ARUM121BTE5 ARUM121BTE5 ARUM192BTE5 | ARUM121BTE5 ARUM121BTE5 ARUM216BTE5 | ARUM121BTE5 ARUM144BTE5 ARUM216BTE5 | ARUM121BTE5 ARUM168BTE5 ARUM216BTE5 |
| Tons | | | 36 | 38 | 40 | 42 |
| Nominal Capacity | Cooling | Btu/h | 430,500 | 455,700 | 476,700 | 504,000 |
| | Heating | Btu/h | 486,000 | 513,000 | 540,000 | 567,000 |
| Rated Capacity¹ | Cooling | Btu/h | 410,000 | 434,000 | 454,000 | 480,000 |
| | Heating | Btu/h | 460,000 | 484,000 | 510,000 | 534,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 146-7/16×66-17/32×29-29/32 | 146-7/16×66-17/32×29-29/32 | 146-7/16×66-17/32×29-29/32 | 146-7/16×66-17/32×29-29/32 |
| Weight | Net | lbs | 507+507+659 | 507+507+666 | 507+639+666 | 507+639+666 |
| | Shipping | lbs | 507+507+688 | 534+534+694 | 534+666+694 | 534+666+694 |
| Sound Pressure³ | | dB(A) | 66.0 | 66.0 | 67.0 | 67.0 |
| Fan (Propeller) | | Rated CFM | 27,100 | 27,100 | 28,000 | 29,000 |
| | | Max. CFM | 33,900 | 33,900 | 33,900 | 33,900 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 4 | 4 | 5 | 5 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17 x 2 + 3/17 | 2/17 x 2 + 3/17 | 2/17 + 3/17 x 2 | 2/17 + 3/17 x 2 |
| Piping | Liquid Line | in | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 |
| | H/P Vapor Line⁴ | in | 3/4 + 3/4 + 1-1/8 | 3/4 + 3/4 + 1-1/8 | 3/4 + 7/8 + 1-1/8 | 3/4 + 7/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 23.2+23.2+30.9 | 23.2+23.2+37.5 | 23.2+26.5+37.5 | 23.2+26.5+37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 64 | 64 | 64 | 64 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
6. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ 5

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ARUM072DTE5

ARUM***DTE5

| Specifications | | Unit | ARUM072DTE5 | ARUM096DTE5 | ARUM121DTE5 | ARUM144DTE5 |
|---------------------------------|-------------------------|------------|------------------------------|----------------------------|----------------------------|--------------------------------|
| Frames | | | ARUM072DTE5 | ARUM096DTE5 | ARUM121DTE5 | ARUM144DTE5 |
| Tons | | | 6 | 8 | 10 | 12 |
| Nominal Capacity | Cooling | Btu/h | 72,000 | 96,000 | 119,700 | 144,000 |
| | Heating | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| Rated Capacity¹ | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| | Heating | Btu/h | 77,000 | 103,000 | 129,000 | 152,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 36-5/8 x 66-17/32 x 29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16×66-17/32×29-29/32 | 48-13/16 x 66-17/32 x 29-29/32 |
| | Net | lbs | 430 | 507 | 507 | 639 |
| Weight | Shipping | lbs | 452 | 534 | 534 | 666 |
| Sound Pressure³ | | dB(A) | 58.0 | 58.0 | 59.0 | 60.0 |
| Fan (Propeller) | | Rated CFM | 6,600 | 7,400 | 8,400 | 9,300 |
| | | Max. CFM | 8,470 | 11,300 | 11,300 | 11,300 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 2 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17 | 2/17 | 2/17 | 3/17 |
| Piping | Liquid Line | in | 3/8 | 3/8 | 1/2 | 1/2 |
| | L/P Vapor Line | in | 3/4 | 7/8 | 1-1/8 | 1-1/8 |
| | H/P Vapor Line⁴ | in | 5/8 | 3/4 | 3/4 | 7/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 14.3 | 23.2 | 23.2 | 26.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 13 | 16 | 20 | 24 |

MULTI V™ 5

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ARUM***DTE5

| Specifications | | Unit | ARUM168DTE5 | ARUM192DTE5 | ARUM216DTE5 | ARUM241DTE5 |
|---------------------------------|-------------------------|------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
| Frames | | | ARUM168DTE5 | ARUM192DTE5 | ARUM216DTE5 | ARUM241DTE5 |
| Tons | | | 14 | 16 | 18 | 20 |
| Nominal Capacity | Cooling | Btu/h | 168,000 | 192,000 | 216,000 | 233,100 |
| | Heating | Btu/h | 189,000 | 216,000 | 243,000 | 243,000 |
| Rated Capacity¹ | Cooling | Btu/h | 160,000 | 184,000 | 206,000 | 222,000 |
| | Heating | Btu/h | 180,000 | 206,000 | 230,000 | 230,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~122 | 5 ~122 | 5 ~ 122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 48-13/16x66-17/32x 29-29/32 | 48-13/16x66-17/32x 29-29/32 | 48-13/16x66-17/32x29-29/32 | 48-13/16x66-17/32x29-29/32 |
| Weight | Net | lbs | 639 | 659 | 666 | 666 |
| | Shipping | lbs | 666 | 688 | 694 | 694 |
| Sound Pressure³ | | dB(A) | 61.0 | 62.0 | 64.0 | 65.0 |
| Fan (Propeller) | | Rated CFM | 10,300 | 10,300 | 10,300 | 10,300 |
| | | Max. CFM | 11,300 | 11,300 | 11,300 | 11,300 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| Heat Exchanger | Quantity | | 2 | 2 | 2 | 2 |
| | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 3/17 | 3/17 | 3/17 | 3/17 |
| Piping | Liquid Line | in | 5/8 | 5/8 | 5/8 | 5/8 |
| | L/P Vapor Line | in | 1-1/8 | 1-1/8 | 1-1/8 | 1-3/8 |
| | H/P Vapor Line⁴ | in | 7/8 | 1-1/8 | 1-1/8 | 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 26.5 | 30.9 | 37.5 | 37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 29 | 32 | 35 | 39 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
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ARUM***DTE5

| Specifications | | Unit | ARUM264DTE5 | ARUM288DTE5 | ARUM312DTE5 | ARUM336DTE5 |
|---------------------------------|-------------------------|------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Frames | | | ARUM096DTE5 ARUM168DTE5 | ARUM096DTE5 ARUM192DTE5 | ARUM096DTE5 ARUM216DTE5 | ARUM121DTE5 ARUM216DTE5 |
| Tons | | | 22 | 24 | 26 | 28 |
| Nominal Capacity | Cooling | Btu/h | 264,000 | 288,000 | 312,000 | 336,000 |
| | Heating | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| Rated Capacity¹ | Cooling | Btu/h | 252,000 | 276,000 | 298,000 | 320,000 |
| | Heating | Btu/h | 282,000 | 308,000 | 332,000 | 358,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~122 | 5 ~ 122 | 5 ~ 122 | 5 ~ 122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 |
| Weight | Net | lbs | 507+639 | 507+659 | 507+666 | 507+666 |
| | Shipping | lbs | 534+666 | 534+688 | 534+694 | 534+694 |
| Sound Pressure³ | | dB(A) | 63.0 | 63.0 | 65.0 | 65.0 |
| Fan (Propeller) | | Rated CFM | 17,700 | 17,700 | 17,700 | 18,700 |
| | | Max. CFM | 22,600 | 22,600 | 22,600 | 22,600 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 3 | 3 | 3 | 3 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17+3/17 | 2/17+3/17 | 2/17+3/17 | 2/17+3/17 |
| Piping | Liquid Line | in | 3/8 + 5/8 | 3/8 + 5/8 | 3/8 + 5/8 | 1/2 + 5/8 |
| | L/P Vapor Line | in | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line⁴ | in | 3/4 + 7/8 | 3/4 + 1-1/8 | 3/4 + 1-1/8 | 3/4 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 23.2+26.5 | 23.2+30.9 | 23.2+37.5 | 23.2+37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 42 | 45 | 52 | 55 |

MULTI V™ 5

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ARUM***DTE5

| Specifications | | Unit | ARUM360DTE5 | ARUM384DTE5 | ARUM408DTE5 |
|---------------------------------|-------------------------|------------|------------------------------|------------------------------|------------------------------|
| Frames | | | ARUM144DTE5 ARUM216DTE5 | ARUM168DTE5 ARUM216DTE5 | ARUM192DTE5 ARUM216DTE5 |
| Tons | | | 30 | 32 | 34 |
| Nominal Capacity | Cooling | Btu/h | 360,000 | 384,000 | 408,000 |
| | Heating | Btu/h | 405,000 | 432,000 | 459,000 |
| Rated Capacity¹ | Cooling | Btu/h | 344,000 | 366,000 | 390,000 |
| | Heating | Btu/h | 384,000 | 410,000 | 434,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~ 122 | 5 ~ 122 | 5 ~ 122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 | 97-5/8 x 66-17/32 x 29-29/32 |
| Weight | Net | lbs | 639+666 | 639+666 | 659+666 |
| | Shipping | lbs | 666+694 | 666+694 | 688+694 |
| Sound Pressure³ | | dB(A) | 66.0 | 66.0 | 66.0 |
| Fan (Propeller) | | Rated CFM | 19,600 | 20,600 | 20,600 |
| | | Max. CFM | 22,600 | 22,600 | 22,600 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 4 | 4 | 4 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 3/17 x 2 | 3/17 x 2 | 3/17 x 2 |
| Piping | Liquid Line | in | 1/2 + 5/8 | 5/8 + 5/8 | 5/8 + 5/8 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line⁴ | in | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 26.5+37.5 | 26.5+37.5 | 30.9+37.5 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 58 | 61 | 64 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
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MULTI V™ 5

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Powerful Heat Technology
RELIABLE TO EXTREME DEGREES



ARUM***DTE5

| Specifications | | Unit | ARUM432DTE5 | ARUM456DTE5 | ARUM480DTE5 | ARUM504DTE5 |
|---------------------------------|-------------------------|------------|---|--|---|---|
| Frames | | | ARUM121DTE5 ARUM121DTE5 ARUM192DTE5 | ARUM121DTE5 ARUM121DTE5 ARUM16DTE5 | ARUM121DTE5 ARUM144DTE5 ARUM216DTE5 | ARUM121DTE5 ARUM168DTE5 ARUM216DTE5 |
| Tons | | | 36 | 38 | 40 | 42 |
| Nominal Capacity | Cooling | Btu/h | 430,500 | 455,700 | 476,700 | 504,000 |
| | Heating | Btu/h | 486,000 | 513,000 | 540,000 | 567,000 |
| Rated Capacity¹ | Cooling | Btu/h | 410,000 | 434,000 | 454,000 | 480,000 |
| | Heating | Btu/h | 460,000 | 484,000 | 510,000 | 534,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling | °F | 5 ~ 122 | 5 ~ 122 | 5 ~ 122 | 5 ~ 122 |
| | Heating | °F | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 | -22 ~ 61 |
| | Simultaneous Operation² | °F | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 | 14 ~ 81 |
| Dimensions (W×H×D) | Body | in | 146-7/16 x 66-17/32 x 29-29/32 | 146-7/16 x 66-17/32 x 29-29/32 | 146-7/16 x 66-17/32 x 29-29/32 | 146-7/16 x 66-17/32 x 29-29/32 |
| Weight | Net | lbs | 507+507+659 | 507+507+666 | 507+639+666 | 507+639+666 |
| | Shipping | lbs | 534+534+688 | 534+534+694 | 534+666+694 | 534+666+694 |
| Sound Pressure³ | | dB(A) | 66.0 | 66.0 | 67.0 | 67.0 |
| Fan (Propeller) | | Rated CFM | 27,100 | 27,100 | 28,000 | 29,000 |
| | | Max. CFM | 33,900 | 33,900 | 33,900 | 33,900 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 4 | 4 | 5 | 5 |
| Heat Exchanger | Coating | | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ | Black Coated Fin™ |
| | Rows/Fins per Inch | | 2/17 x 2 + 3/17 | 2/17 x 2 + 3/17 | 2/17 + 3/17 x 2 | 2/17 + 3/17 x 2 |
| Piping | Liquid Line | in | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 | 1/2 + 1/2 + 5/8 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 | 1-1/8 + 1-1/8+ 1-1/8 |
| | H/P Vapor Line⁴ | in | 3/4 + 3/4 + 1-1/8 | 3/4 + 3/4 + 1-1/8 | 3/4 + 7/8 + 1-1/8 | 3/4 + 7/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 23.2+23.2+30.9 | 23.2+23.2+37.5 | 23.2+26.5+37.5 | 23.2+26.5+37.5 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units⁵ | | | 64 | 64 | 64 | 64 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Used in Heat Recovery Systems only.
5. The System Combination Ratio must be between 50 and 130%.
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LIGHT COMMERCIAL AND RESIDENTIAL

MULTI V[™] S



**MULTI V S
WITH LGRED[°]**
Heat Pump and Heat Recovery
3 to 4 Tons



MULTI V S
Heat Pump or Heat Recovery
2 to 5 Tons

MULTI V[™] S WITH LGRED[°]

MULTI V[™] S HEAT PUMP AND HEAT RECOVERY

LGRED[°] Continuous heating down to -13 °F.
100% heating capacity at 5°F.
Powerful Heat Technology
RELIABLE TO EXTREME DEGREES



ARUM036GSS5
ARUM048GSS5

| Model | Specifications | Unit | ARUM036GSS5 | ARUM048GSS5 |
|-------------------------------------|---|------------|--|--|
| | Heat Pump / Heat Recovery | | Heat Pump and Heat Recovery | Heat Pump and Heat Recovery |
| | Tons | | 3 | 4 |
| Capacity | Nominal Cooling Capacity ¹ | Btu/h | 36,000 | 48,000 |
| | Nominal Heating Capacity ¹ | Btu/h | 42,000 | 54,000 |
| | Rated Cooling Capacity ² | Btu/h | 36,000 | 48,000 |
| | Rated Heating Capacity ² | Btu/h | 42,000 | 54,000 |
| Power | Voltage | V / Hz / Ø | 208-230/60/1 | 208-230/60/1 |
| | Power/Communication Wiring ⁵ | No. x AWG | 2 x 18 | 2 x 18 |
| Operating Range | Cooling Operation Range ⁶ | °F | 23 ~ 122 | 23 ~ 122 |
| | Heating Operation Range | °F | -13 ~ 61 | -13 ~ 61 |
| Dimensions | Dimensions (WxHxD) | in | 37-13/32x54-11/32x13 | 37-3/32x54-11/32x13 |
| Weight | Net | lbs | 263 | 263 |
| | Shipping | lbs | 294 | 294 |
| Sound Pressure ⁴ | | dB(A) | 50/53 | 52/54 |
| Fan | Cooling/Heating | | Axial Flow Fan x2 | Axial Flow Fan x2 |
| | Air Flow Rate | CFM | 4238 | 4238 |
| Compressor | Type | | Hermetically Sealed Scroll | Hermetically Sealed Scroll |
| | Oil Type | | FVC68D | FVC68D |
| | Quantity | | 1 | 1 |
| Heat Exchange | Coating | | Aluminum Fin & Black Fin / Copper Tube | Aluminum Fin & Black Fin / Copper Tube |
| | Rows/Fins per inch | | 3 / 14 | 3 / 14 |
| | Liquid Line (OD) | in | 3/8 | 3/8 |
| Piping | HP/Vapor Line (OD) | in | 5/8 | 5/8 |
| | LP/Vapor Line (OD) | in | 3/4 | 3/4 |
| | Type | | R410A | R410A |
| Refrigerant | Charge | lbs | 7.7 lbs. | 7.7 lbs. |
| | Control | | EEV | EEV |
| Number of Indoor Units ³ | Minimum / Maximum | | 2/6 | 2/8 |

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.

Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).

Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.

3. The System Combination Ratio must be between 50–130%.

4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.

6. Cooling range with the Low Ambient Baffle Kit (sold separately) is down to -9.9°F.

Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ S HEAT PUMP

MULTI V™ S

ARUN024GSS4
ARUN038GSS4
ARUN048GSS4
ARUN060GSS4



| Model | Specifications | Unit | ARUN024GSS4 | ARUN038GSS4 | ARUN048GSS4 | ARUN060GSS4 |
|-------------------------------------|---|------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Capacity | Heat Pump / Heat Recovery | | Heat Pump | Heat Pump | Heat Pump | Heat Pump |
| | Tons | | 2 | 3 | 4 | 5 |
| | Nominal Cooling Capacity ¹ | Btu/h | 24,000 | 39,500 | 50,000 | 60,000 |
| | Nominal Heating Capacity ¹ | Btu/h | 27,000 | 44,000 | 56,500 | 64,000 |
| | Rated Cooling Capacity ² | Btu/h | 24,000 | 38,000 | 48,000 | 60,000 |
| | Rated Heating Capacity ² | Btu/h | 27,000 | 42,000 | 54,000 | 64,000 |
| Power | Voltage | V / Hz / Ø | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| | Power/Communication Wiring ⁵ | No. x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Operating Range | Cooling Operation Range ⁶ | °F | 23 ~ 122 | 23 ~ 122 | 23 ~ 122 | 23 ~ 122 |
| | Heating Operation Range | °F | -4 ~ 61 | -4 ~ 61 | -4 ~ 61 | -13 ~ 61 |
| Dimensions | Dimensions (WxHxD) | in | 37-13/32 x 32-27/32 x 13 | 37-13/32 x 54-11/32 x 13 | 37-13/32 x 54-11/32 x 13 | 37-13/32 x 54-11/32 x 13 |
| | Net | lbs | 159 | 207 | 207 | 260 |
| Weight | Shipping | lbs | 176 | 218 | 218 | 291 |
| Sound Pressure ⁴ | | dB(A) | 50 | 50 | 51 | 57 |
| Fan | Type | | Axial Flow Fan | Axial Flow Fan | Axial Flow Fan | Axial Flow Fan |
| | Air Flow Rate | CFM | 2,119 | 3,885 | 3,885 | 3,885 |
| Compressor | Type | | DC Inverter | DC Inverter | DC Inverter | Scroll Inverter |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 1 |
| Heat Exchanger | Coating | | Gold Fin / Hydrophilic | Gold Fin / Hydrophilic | Gold Fin / Hydrophilic | Gold Fin / Hydrophilic |
| | Rows/Fins per inch | | 2 / 14 | 2 / 14 | 2 / 14 | 3 / 14 |
| Piping | Liquid Line (OD) | in | 3/8 | 3/8 | 3/8 | 3/8 |
| | HP/Vapor Line (OD) | in | 5/8 | 5/8 | 5/8 | 5/8 |
| | LP/Vapor Line (OD) | in | 5/8 | 5/8 | 5/8 | 3/4 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 4.0 | 6.6 | 6.6 | 7.7 |
| | Control | | EEV | EEV | EEV | EEV |
| Number of Indoor Units ³ | Minimum / Maximum | | 2 / 4 | 2 / 6 | 2 / 8 | 2 / 12 |

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.

3. The System Combination Ratio must be between 50–130%.

4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.

6. Cooling range with the Low Ambient Baffle Kit (sold separately) is -9.9°F to +122°F.
Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ S HEAT RECOVERY

MULTI V™ S

ARUB060GSS4



| Model | Specifications | Unit | ARUB060GSS4 |
|-------------------------------------|---|------------|------------------------|
| Capacity | Heat Pump / Heat Recovery | | Heat Recovery |
| | Tons | | 5 |
| | Nominal Cooling Capacity ¹ | Btu/h | 60,000 |
| | Nominal Heating Capacity ¹ | Btu/h | 60,000 |
| | Rated Cooling Capacity ² | Btu/h | 60,000 |
| | Rated Heating Capacity ² | Btu/h | 60,000 |
| Power | Voltage | V / Hz / Ø | 208-230/60/1 |
| | Power/Communication Wiring ⁵ | No. x AWG | 2 x 18 |
| Operating Range | Cooling Operation Range ⁶ | °F | 23 ~ 122 |
| | Heating Operation Range | °F | -13 ~ 61 |
| Dimensions | Dimensions (WxHxD) | in | 37-13/32x54-11/32x13 |
| Weight | Net | lbs | 260 |
| | Shipping | lbs | 291 |
| Sound Pressure ⁴ | | dB(A) | 57 |
| Fan | Type | | Axial Flow Fan |
| | Air Flow Rate | CFM | 3,885 |
| Compressor | Type | | Scroll Inverter |
| | Oil Type | | PVE/FVC68D |
| | Quantity | | 1 |
| Heat Exchange | Coating | | Gold Fin / Hydrophilic |
| | Rows/Fins per inch | | 3 / 14 |
| Piping | Liquid Line (OD) | in | 3/8 |
| | HP/Vapor Line (OD) | in | 5/8 |
| | LP/Vapor Line (OD) | in | 3/4 |
| Refrigerant | Type | | R410A |
| | Charge | lbs | 7.7 |
| | Control | | EEV |
| Number of Indoor Units ³ | Minimum / Maximum | | 2/12 |

1. Nominal capacity applied with non-ducted indoor units, and is rated 0 ft. above sea level with 25 ft. of refrigerant line per indoor unit and a 0 ft. level difference between outdoor and indoor units. All capacities are net with a Combination Ratio between 95–105%.
Nominal cooling capacity rating obtained with air entering the indoor unit at 80°F dry bulb (DB) and 67°F wet bulb (WB) and outdoor ambient conditions of 95°F dry bulb (DB) and 75°F wet bulb (WB).
Nominal heating capacity rating obtained with air entering the indoor unit at 70°F dry bulb (DB) and 59°F wet bulb (WB) and outdoor ambient conditions of 47°F dry bulb (DB) and 43°F wet bulb (WB).

2. Rated capacity is certified under AHRI Standard 1230. See www.ahrinet.org for information.

3. The System Combination Ratio must be between 50–130%.

4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.

5. Power wiring is field provided, solid or stranded, and must comply with all local and national codes. Refer to the engineering manual for detailed electrical data.

6. Cooling range with the Low Ambient Baffle Kit (sold separately) is down to -9.9°F.
Due to our commitment to continued innovation, some specifications may be changed without notification.

WATER SOURCE SYSTEMS



LG Multi V Water IV installation at Decorah High School, Decorah, Iowa



MULTI V WATER IV
Heat Pump & Heat Recovery
6 to 48 Tons

MULTI V™ WATER IV HEAT PUMP (208-230V)



MULTI V WATER IV

ARWN***BAS4

| Specifications | | Unit | ARWN072BAS4 | ARWN096BAS4 | ARWN121BAS4 | ARWN144BAS4 |
|---|-----------------|------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Frames | | | ARWN072BAS4 | ARWN096BAS4 | ARWN121BAS4 | ARWN144BAS4 |
| Tons | | | 6 | 8 | 10 | 12 |
| Nominal Capacity | Cooling | Btu/h | 72,000 | 96,000 | 119,700 | 144,000 |
| | Heating | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| | Heating | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | NoxAWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 |
| | Net | lbs | 280 | 280 | 280 | 280 |
| Weight | Shipping | lbs | 302 | 302 | 302 | 302 |
| Sound Pressure ² | | dB(A) | 47/51 | 50/53 | 56/56 | 58/57 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| Compressor (DC Scroll) | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 1 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | FlowRateNominal | GPM | 20.3 | 25.4 | 30.4 | 35.5 |
| | Pressure Drop | ft wg | 3.7 | 4.7 | 6.9 | 9.2 |
| Piping | Liquid Line | in | 3/8 | 3/8 | 1/2 | 1/2 |
| | Vapor Line | in | 7/8 | 7/8 | 1-1/8 | 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 12.8 | 12.8 | 12.8 | 12.8 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 13 | 16 | 20 | 23 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT PUMP (208-230V)



ARWN***BAS4

| Specifications | | Unit | ARWN192BAS4 | ARWN240BAS4 | ARWN288BAS4 |
|---|-------------------|------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARWN072BAS4 ARWN121BAS4 | ARWN121BAS4 ARWN121BAS4 | ARWN144BAS4 ARWN144BAS4 |
| Tons | | | 16 | 20 | 24 |
| Nominal Capacity | Cooling | Btu/h | 192,000 | 239,400 | 287,700 |
| | Heating | Btu/h | 216,000 | 270,000 | 324,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 184,000 | 228,000 | 274,000 |
| | Heating | Btu/h | 206,000 | 256,000 | 308,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 |
| | Net | lbs | 280 x 2 | 280 x 2 | 280 x 2 |
| Weight | Shipping | lbs | 302 x 2 | 302 x 2 | 302 x 2 |
| Sound Pressure ² | | dB(A) | 54/60 | 59/59 | 59/58 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 2 | 2 | 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 20.3 + 30.4 | 30.4 + 30.4 | 35.5 + 35.5 |
| | Pressure Drop | ft w/g | 3.7 + 6.9 | 6.9 + 6.9 | 9.2 + 9.2 |
| Piping | Liquid Line | in | 3/8 + 1/2 | 1/2 + 1/2 | 1/2 + 1/2 |
| | Vapor Line | in | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 12.8 + 12.8 | 12.8 + 12.8 | 12.8 + 12.8 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 32 | 39 | 45 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT PUMP (208-230V)



ARWN***BAS4

| Specifications | | Unit | ARWN336BAS4 | ARWN432BAS4 |
|---|-------------------|------------|---|---|
| Frames | | | ARWN121BAS4 ARWN121BAS4 ARWN096BAS4 | ARWN144BAS4 ARWN144BAS4 ARWN144BAS4 |
| Tons | | | 28 | 36 |
| Nominal Capacity | Cooling | Btu/h | 336,000 | 430,500 |
| | Heating | Btu/h | 378,000 | 486,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 320,000 | 410,000 |
| | Heating | Btu/h | 360,000 | 460,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 |
| | Net | lbs | 280 x 3 | 280 x 3 |
| Weight | Shipping | lbs | 302 x 3 | 302 x 3 |
| Sound Pressure ² | | dB(A) | 60/64 | 58/62 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 3 | 3 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 30.4 + 30.4 + 25.4 | 35.5 + 35.5 + 35.5 |
| | Pressure Drop | ft w/g | 6.9 + 6.9 + 4.7 | 9.2 + 9.2 + 9.2 |
| Piping | Liquid Line | in | 1/2 + 1/2 + 3/8 | 1/2 + 1/2 + 1/2 |
| | Vapor Line | in | 1-1/8 + 1-1/8 + 7/8 | 1-1/8 + 1-1/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A |
| | Charge | lbs | 12.8 + 12.8 + 12.8 | 12.8 + 12.8 + 12.8 |
| | Control | | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 55 | 64 |

MULTI V™ WATER IV HEAT PUMP (460V)



ARWN***DAS4

| Specifications | | Unit | ARWN072DAS4 | ARWN096DAS4 | ARWN121DAS4 | ARWN144DAS4 | ARWN192DAS4 |
|---------------------------------|-----------------|------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Frames | | | ARWN072DAS4 | ARWN096DAS4 | ARWN121DAS4 | ARWN144DAS4 | ARWN192DAS4 |
| Tons | | | 6 | 8 | 10 | 12 | 16 |
| Nominal Capacity | Cooling | Btu/h | 72,000 | 96,000 | 119,700 | 144,000 | 192,000 |
| | Heating | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 | 216,000 |
| Rated Capacity¹ | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 | 184,000 |
| | Heating | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 | 206,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | NoxAWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 |
| Weight | Net | lbs | 280 | 280 | 280 | 309 | 309 |
| | Shipping | lbs | 302 | 302 | 302 | 331 | 331 |
| Sound Pressure² | | dB(A) | 47/51 | 50/53 | 56/56 | 58/57 | 54/60 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | FlowRateNominal | GPM | 20.3 | 25.4 | 30.4 | 35.5 | 50.7 |
| | Pressure Drop | ft wg | 3.7 | 4.7 | 6.9 | 4.7 | 9.2 |
| Piping | Liquid Line | in | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 |
| | Vapor Line | in | 7/8 | 7/8 | 1-1/8 | 1-1/8 | 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Charge | lbs | 12.8 | 12.8 | 12.8 | 6.6 | 6.6 |
| | Control | | EEV | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | 13 | 16 | 20 | 23 | 32 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT PUMP (460V)



ARWN***DAS4

| Specifications | | Unit | ARWN240DAS4 | ARWN288DAS4 | ARWN336DAS4 |
|---------------------------------|-----------------|------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARWN096DAS4 ARWN144DAS4 | ARWN144DAS4 ARWN144DAS4 | ARWN192DAS4 ARNB144DAS4 |
| Tons | | | 20 | 24 | 28 |
| Nominal Capacity | Cooling | Btu/h | 239,400 | 287,700 | 336,000 |
| | Heating | Btu/h | 270,000 | 324,000 | 378,000 |
| Rated Capacity¹ | Cooling | Btu/h | 228,000 | 274,000 | 320,000 |
| | Heating | Btu/h | 256,000 | 308,000 | 360,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 |
| Weight | Net | lbs | 280 + 309 | 309 + 309 | 309 + 309 |
| | Shipping | lbs | 302 + 331 | 331 + 331 | 331 + 331 |
| Sound Pressure² | | dB(A) | 57/57 | 58/57 | 59/62 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 2 | 2 | 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | FlowRateNominal | GPM | 25.4 + 35.5 | 35.5 + 35.5 | 50.7 + 35.5 |
| | Pressure Drop | ft wg | 4.7 + 4.7 | 4.7 + 4.7 | 9.7 + 4.7 |
| Piping | Liquid Line | in | 3/8 + 1/2 | 1/2 + 1/2 | 1/2 + 1/2 |
| | Vapor Line | in | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 12.8 + 6.6 | 6.6 + 6.6 | 6.6 + 6.6 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | 39 | 45 | 55 |

MULTI V™ WATER IV HEAT PUMP (460V)



ARWN***DAS4

| Specifications | | | Unit | ARWN432DAS4 | ARWN480DAS4 | ARWN576DAS4 |
|---------------------------------|-------------------|------------|------|---|---|---|
| Frames | | | | ARWN144DAS4 ARWN144DAS4 ARWN144DAS4 | ARWN144DAS4 ARWN144DAS4 ARWN192DAS4 | ARWN192DAS4 ARWN192DAS4 ARWN192DAS4 |
| Tons | | | | 36 | 40 | 48 |
| Nominal Capacity | Cooling | Btu/h | | 430,500 | 472,500 | 571,200 |
| | Heating | Btu/h | | 486,000 | 540,000 | 648,000 |
| Rated Capacity¹ | Cooling | Btu/h | | 410,000 | 450,000 | 544,000 |
| | Heating | Btu/h | | 460,000 | 510,000 | 610,000 |
| Power Voltage | | V / Hz / ø | | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 |
| Weight | Net | lbs | | 309 x 3 | 309 x 3 | 309 x 3 |
| | Shipping | lbs | | 331 x 3 | 331 x 3 | 331 x 3 |
| Sound Pressure² | | dB(A) | | 62/63 | 60/62 | 60/62 |
| Water Temperature Range | Cooling | °F | | 23 - 113 | 23 - 113 | 23 - 113 |
| | Heating | °F | | 14 - 113 | 14 - 113 | 14 - 113 |
| Compressor | Type | | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | | 3 | 3 | 3 |
| Heat Exchanger | Type | | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | | 35.5 + 35.5 + 35.5 | 35.5 + 35.5 + 50.7 | 50.7 + 50.7 + 50.7 |
| | Pressure Drop | ft w/g | | 4.7 + 4.7 + 4.7 | 4.7 + 4.7 + 9.2 | 9.2 + 9.2 + 9.2 |
| Piping | Liquid Line | in | | 1/2 + 1/2 + 1/2 | 1/2 + 1/2 + 1/2 | 1/2 + 1/2 + 1/2 |
| | Vapor Line | in | | 1-1/8 + 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 + 1-1/8 |
| Refrigerant | Type | | | R410A | R410A | R410A |
| | Charge | lbs | | 6.6 + 6.6 + 6.6 | 6.6 + 6.6 + 6.6 | 6.6 + 6.6 + 6.6 |
| | Control | | | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | | 64 | 64 | 64 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT RECOVERY (208-230V)



ARWB***BAS4

| Specifications | | | Unit | ARWB072BAS4 | ARWB096BAS4 | ARWB121BAS4 | ARWB144BAS4 |
|---------------------------------|------------------------|------------|------|-----------------------|-----------------------|-----------------------|-----------------------|
| Frames | | | | ARWB072BAS4 | ARWB096BAS4 | ARWB121BAS4 | ARWB144BAS4 |
| Tons | | | | 6 | 8 | 10 | 12 |
| Nominal Capacity | Cooling | Btu/h | | 72,000 | 96,000 | 119,700 | 144,000 |
| | Heating | Btu/h | | 81,000 | 108,000 | 135,000 | 162,000 |
| Rated Capacity¹ | Cooling | Btu/h | | 69,000 | 92,000 | 114,000 | 138,000 |
| | Heating | Btu/h | | 77,000 | 103,000 | 129,000 | 154,000 |
| Power Voltage | | V / Hz / Ø | | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 |
| | Net | lbs | | 280 | 280 | 280 | 280 |
| Weight | Shipping | lbs | | 302 | 302 | 302 | 302 |
| Sound Pressure² | | dB(A) | | 47/51 | 50/53 | 56/56 | 58/57 |
| Water Temperature Range | Cooling | °F | | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | | 1 | 1 | 1 | 1 |
| Heat Exchanger | Type | | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | | 20.3 | 25.4 | 30.4 | 35.5 |
| | Pressure Drop | ft w/g | | 3.7 | 4.7 | 6.9 | 9.2 |
| Piping | Liquid Line | in | | 3/8 | 3/8 | 1/2 | 1/2 |
| | L/P Vapor Line | in | | 7/8 | 7/8 | 1-1/8 | 1-1/8 |
| | H/P Vapor Line | in | | 3/4 | 3/4 | 3/4 | 3/4 |
| Refrigerant | Type | | | R410A | R410A | R410A | R410A |
| | Charge | lbs | | 12.8 | 12.8 | 12.8 | 12.8 |
| | Control | | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | | 13 | 16 | 20 | 23 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT RECOVERY (208-230V)



ARWB***BAS4

| Specifications | | Unit | ARWN192BAS4 | ARWB216BAS4 | ARWB240BAS4 | ARWB288BAS4 |
|---|------------------------|------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARWN072BAS4 ARWN121BAS4 | ARWB072BAS4 ARWB144BAS4 | ARWB121BAS4 ARWB121BAS4 | ARWB144BAS4 ARWB144BAS4 |
| Tons | | | 16 | 18 | 20 | 24 |
| Nominal Capacity | Cooling | Btu/h | 192,000 | 216,000 | 239,400 | 287,700 |
| | Heating | Btu/h | 216,000 | 243,000 | 270,000 | 324,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 184,000 | 206,000 | 228,000 | 274,000 |
| | Heating | Btu/h | 206,000 | 232,000 | 256,000 | 308,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 |
| | Net | lbs | 280 x 2 | 280 x 2 | 280 x 2 | 280 x 2 |
| Weight | Shipping | lbs | 302 x 2 | 302 x 2 | 302 x 2 | 302 x 2 |
| Sound Pressure ² | | dB(A) | 54/60 | 57/57 | 59/59 | 59/58 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 2 | 2 | 2 | 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 20.3 + 30.4 | 20.3 + 35.5 | 30.4 + 30.4 | 35.5 + 35.5 |
| | Pressure Drop | ft wg | 3.7 + 6.9 | 3.7 + 9.2 | 6.9 + 6.9 | 9.2 + 9.2 |
| Piping | Liquid Line | in | 3/8 + 1/2 | 3/8 + 1/2 | 1/2 + 1/2 | 1/2 + 1/2 |
| | L/P Vapor Line | in | 7/8 + 1-1/8 | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line | in | 3/4 + 3/4 | 3/4 + 3/4 | 3/4 + 3/4 | 3/4 + 3/4 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A |
| | Charge | lbs | 12.8 + 12.8 | 12.8 + 12.8 | 12.8 + 12.8 | 12.8 + 12.8 |
| | Control | | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 32 | 35 | 39 | 45 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT RECOVERY (208-230V)



ARWB***BAS4

| Specifications | | Unit | ARWB336BAS4 | ARWB432BAS4 |
|---|------------------------|------------|---|---|
| Frames | | | ARWB121BAS4 ARWB121BAS4 ARWB096BAS4 | ARWB144BAS4 ARWB144BAS4 ARWB144BAS4 |
| Tons | | | 28 | 36 |
| Nominal Capacity | Cooling | Btu/h | 336,000 | 430,500 |
| | Heating | Btu/h | 378,000 | 486,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 320,000 | 410,000 |
| | Heating | Btu/h | 360,000 | 460,000 |
| Power Voltage | | V / Hz / Ø | 208-230/60/3 | 208-230/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 |
| | Net | lbs | 280 x 3 | 280 x 3 |
| Weight | Shipping | lbs | 302 x 3 | 302 x 3 |
| Sound Pressure ² | | dB(A) | 60/64 | 58/62 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 3 | 3 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 30.4 + 30.4 + 25.4 | 35.5 + 35.5 + 35.5 |
| | Pressure Drop | ft wg | 6.9 + 6.9 + 4.7 | 9.2 + 9.2 + 9.2 |
| Piping | Liquid Line | in | 1/2+1/2 + 3/8 | 1/2+1/2+1/2 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8 + 7/8 | 1-1/8 + 1-1/8 + 1-1/8 |
| | H/P Vapor Line | in | 3/4 + 3/4 + 3/4 | 3/4 + 3/4 + 3/4 |
| Refrigerant | Type | | R410A | R410A |
| | Charge | lbs | 12.8 + 12.8 + 12.8 | 12.8 + 12.8 + 12.8 |
| | Control | | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 55 | 64 |

MULTI V™ WATER IV HEAT RECOVERY (460V)



ARWB***DAS4

| Specifications | | Unit | ARWB072DAS4 | ARWB096DAS4 | ARWB121DAS4 | ARWB144DAS4 | ARWB192DAS4 |
|---------------------------------|------------------------|------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Frames | | | ARWB072DAS4 | ARWB096DAS4 | ARWB121DAS4 | ARWB144DAS4 | ARWB192DAS4 |
| Tons | | | 6 | 8 | 10 | 12 | 16 |
| Nominal Capacity | Cooling | Btu/h | 72,000 | 96,000 | 119,700 | 144,000 | 192,000 |
| | Heating | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 | 216,000 |
| Rated Capacity¹ | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 | 184,000 |
| | Heating | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 | 206,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | NoxAWG | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 | 29-3/4x39-1/4x19-3/4 |
| | Net | lbs | 280 | 280 | 280 | 309 | 309 |
| Weight | Shipping | lbs | 302 | 302 | 302 | 331 | 331 |
| Sound Pressure² | | dB(A) | 47/51 | 50/53 | 56/56 | 58/57 | 54/60 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 1 | 1 | 1 | 1 | 1 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 20.3 | 25.4 | 30.4 | 35.5 | 50.7 |
| | Pressure Drop | ft wg | 3.7 | 4.7 | 6.9 | 4.7 | 9.2 |
| Piping | Liquid Line | in | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 |
| | L/P Vapor Line | in | 7/8 | 7/8 | 7/8 | 1-1/8 | 1-1/8 |
| | H/P Vapor Line | in | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | R410A |
| | Charge | lbs | 12.8 | 12.8 | 12.8 | 6.6 | 6.6 |
| | Control | | EEV | EEV | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | 13 | 16 | 20 | 23 | 32 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V™ WATER IV HEAT RECOVERY (460V)



ARWB***DAS4

| Specifications | | Unit | ARWB240DAS4 | ARWB289DAS4 | ARWB337DAS4 |
|---------------------------------|------------------------|------------|----------------------------|----------------------------|----------------------------|
| Frames | | | ARWB096DAS4 ARWB144DAS4 | ARWB144DAS4 ARWB144DAS4 | ARWB192DAS4 ARWB144DAS4 |
| Tons | | | 20 | 24 | 28 |
| Nominal Capacity | Cooling | Btu/h | 239,400 | 287,700 | 336,000 |
| | Heating | Btu/h | 270,000 | 324,000 | 378,000 |
| Rated Capacity¹ | Cooling | Btu/h | 228,000 | 274,000 | 320,000 |
| | Heating | Btu/h | 256,000 | 308,000 | 360,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 | 63-1/2x39-1/4x19-3/4 |
| | Net | lbs | 280 + 309 | 309 + 309 | 309 + 309 |
| Weight | Shipping | lbs | 302 + 331 | 331 + 331 | 331 + 331 |
| Sound Pressure² | | dB(A) | 57/57 | 58/57 | 59/62 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 2 | 2 | 2 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 25.4 + 35.5 | 35.5 + 35.5 | 50.7 + 35.5 |
| | Pressure Drop | ft wg | 4.7 + 4.7 | 4.7 + 4.7 | 9.2 + 4.7 |
| Piping | Liquid Line | in | 3/8 + 1/2 | 1/2 + 1/2 | 1/2 + 1/2 |
| | L/P Vapor Line | in | 7/8 + 1-1/8 | 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 |
| | H/P Vapor Line | in | 3/4 + 3/4 | 3/4 + 3/4 | 3/4 + 3/4 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 12.8 + 6.6 | 6.6 + 6.6 | 6.6 + 6.6 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units³ | | | 39 | 45 | 55 |

MULTI V™ WATER IV HEAT RECOVERY (460V)



ARWB***DAS4

| Specifications | | Unit | ARWB432DAS4 | ARWB480DAS4 | ARWB576DAS4 |
|---|------------------------|------------|---|---|---|
| Frames | | | ARWB144DAS4 ARWB144DAS4 ARWB144DAS4 | ARWB144DAS4 ARWB144DAS4 ARWB192DAS4 | ARWB192DAS4 ARWB192DAS4 ARWB192DAS4 |
| Tons | | | 36 | 40 | 48 |
| Nominal Capacity | Cooling | Btu/h | 430,500 | 472,500 | 571,200 |
| | Heating | Btu/h | 486,000 | 540,000 | 648,000 |
| Rated Capacity ¹ | Cooling | Btu/h | 410,000 | 450,000 | 544,000 |
| | Heating | Btu/h | 460,000 | 510,000 | 610,000 |
| Power Voltage | | V / Hz / Ø | 460/60/3 | 460/60/3 | 460/60/3 |
| Power/Communication Wiring | | No x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| Dimensions (W×H×D) | Body | in | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 | 97-1/4x39-1/4x19-3/4 |
| | Net | lbs | 309 x 3 | 309 x 3 | 309 x3 |
| Weight | Shipping | lbs | 331 x 3 | 331 x 3 | 331 x 3 |
| Sound Pressure ² | | dB(A) | 62/63 | 60/62 | 60/62 |
| Water Temperature Range | Cooling | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| | Heating | °F | 14 ~ 113 | 14 ~ 113 | 14 ~ 113 |
| | Simultaneous Operation | °F | 23 ~ 113 | 23 ~ 113 | 23 ~ 113 |
| Compressor | Type | | DC Scroll | DC Scroll | DC Scroll |
| | Oil Type | | PVE/FVC68D | PVE/FVC68D | PVE/FVC68D |
| | Quantity | | 3 | 3 | 3 |
| Heat Exchanger | Type | | Stainless Steel Plate | Stainless Steel Plate | Stainless Steel Plate |
| | Flow Rate Nominal | GPM | 35.5 + 35.5 + 35.5 | 35.5 + 35.5 + 50.7 | 50.7 + 50.7 + 50.7 |
| | Pressure Drop | ft wg | 4.7 + 4.7 + 4.7 | 4.7 + 4.7 + 9.2 | 9.2 + 9.2 + 9.2 |
| Piping | Liquid Line | in | 1/2 + 1/2 + 1/2 | 1/2 + 1/2 + 1/2 | 1/2 + 1/2 + 1/2 |
| | L/P Vapor Line | in | 1-1/8 + 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 + 1-1/8 | 1-1/8 + 1-1/8 + 1-1/8 |
| | H/P Vapor Line | in | 3/4 + 3/4 + 3/4 | 3/4 + 3/4 + 3/4 | 3/4 + 3/4 + 3/4 |
| Refrigerant | Type | | R410A | R410A | R410A |
| | Charge | lbs | 6.6 + 6.6 + 6.6 | 6.6 + 6.6 + 6.6 | 6.6 + 6.6 + 6.6 |
| | Control | | EEV | EEV | EEV |
| Maximum Number of Indoor Units ³ | | | 64 | 64 | 64 |

1. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at www.ahridirectory.org.
2. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. The System Combination Ratio must be between 50 and 130%.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

AIR TECHNOLOGIES

ENERGY RECOVERY VENTILATOR (ERV)

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OUTSIDE AIR UNIT (OAU)

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AIR HANDLING UNIT (AHU) MODULES

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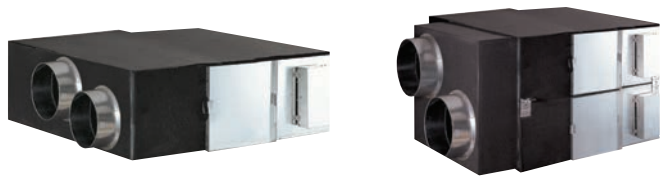
ROOFTOP DOAS (DEDICATED OUTDOOR AIR SYSTEM)

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SPLIT ROOFTOP DOAS (DEDICATED OUTDOOR AIR SYSTEM)
SPLIT COMPACT DOAS (DEDICATED OUTDOOR AIR SYSTEM)

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ERV (ENERGY RECOVERY VENTILATOR)



ARVU*****A2

The LG ERV system allows users to exchange indoor air with outdoor air in order to improve the air quality by reducing the temperature and humidity of incoming fresh air. Easy to maintain while providing superior energy savings and performance, LG ERV is an ideal solution for hotels, dormitories, restaurants, hospitals, retail establishments, theaters, schools and office buildings.

| Specifications | | Unit | 053ZE | 063ZE | 093ZF | 123ZF |
|----------------------------------|-----------------------------------|------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| Performance | Capacity | CFM | 470 | 590 | 880 | 1,180 |
| | Power Input (SH1) | Watts | 360 | 470 | 720 | 930 |
| Operation Range | | °F DB | 14 ~113 | 14 ~113 | 14 ~113 | 14 ~113 |
| Heat Exchanger Data | Air-to-Air Heat Exchanger | | Cross-Flow Fixed Core | Cross-Flow Fixed Core | Cross-Flow Fixed Core | Cross-Flow Fixed Core |
| | Quantity | | 1 | 1 | 1 | 1 |
| Temperature Exchanger Efficiency | Cooling (Fan Speed SH) | % | 62 | 59 | 62 | 59 |
| | Entering Water Temp Range | °F | 41~113 | | | 53-167 |
| Enthalpy Exchange Efficiency | Cooling (Fan Speed SH) | % | 37 | 34 | 37 | 34 |
| | Heating (Fan Speed SH) | % | 52 | 49 | 52 | 49 |
| Unit Data | Sound Pressure | dB(A) | 40/37/31 | 41/39/33 | 44/41/35 | 45/41/35 |
| | Net Unit Weight | lbs | 148 | 148 | 331 | 331 |
| | Shipping Weight | lbs | 177 | 177 | 397 | 397 |
| | Dimensions (W×H×D) | in | 44-7/8 x 41-13/16 x 14-3/8 | 44-7/8 x 41-13/16 x 14-3/8 | 44-7/8 x 41-13/16 x 29-1/16 | 44-7/8 x 41-13/16 x 29-1/16 |
| Electrical Data | Rated Amps | A | 2.8 | 3.44 | 5.62 | 6.82 |
| | Power Supply | V / Hz / Ø | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| | Power Input (Cooling) | Watts | 360/270/165 | 470/385/210 | 720/540/340 | 930/770/420 |
| | Power Input (Heating) | Watts | 360/270/165 | 470/385/210 | 720/540/340 | 930/770/420 |
| Fan | Type | | Cross Flow | Cross Flow | Cross Flow | Cross Flow |
| | Quantity | | 2 | 2 | 2 | 2 |
| | Motor/Drive | | BLDC | BLDC | BLDC | BLDC |
| | Airflow Rate (SH/H/L) | CFM | 471/471/388 | 589/589/471 | 883/883/706 | 1177/1177/942 |
| | External Static Pressure (SH/H/L) | in wg | 0.80/0.44/0.24 | 0.64/0.36/0.20 | 0.80/0.44/0.24 | 0.64/0.36/0.20 |
| Filters | Quantity | | 2 | 2 | 4 | 4 |
| | Size | in | 41-9/16" x 8-3/8" x 13/32" | 41-9/16" x 8-3/8" x 13/32" | 41-9/16" x 8-3/8" x 13/32" | 41-9/16" x 8-3/8" x 13/32" |

Accessories

| Description | Model |
|-------------|-----------|
| PI-485 | PFNFP14A0 |

1. SH - Super-high condensate drain not required. ERV temperature and enthalpy exchange efficiencies are in accordance with AHRI 1060 test conditions, 100% airflow, and 0" external static pressure.
Cooling: Outdoor 95°F DB, 78°F WB; Exhaust 75°F DB, 63°F WB
Heating: Outdoor 35°F DB, 33°F WB; Exhaust 70°F DB, 58°F WB
Due to our commitment to continued innovation, some specifications may be changed without notification.

OAU (OUTSIDE AIR UNIT)



ARNU483B8Z4
ARNU763B8Z4
ARNU963B8Z4

| Specifications | | Unit | ARNU483B8Z4 | ARNU763B8Z4 | ARNU963B8Z4 |
|--------------------------|----------------------------------|------------|---|---|---|
| Cooling Mode Performance | Capacity | Btu/h | 48,100 | 76,400 | 95,900 |
| | Power Input ¹ | W | 180 | 230 | 360 |
| Heating Mode Performance | Capacity | Btu/h | 46,115 | 73,080 | 91,360 |
| | Power Input ¹ | W | 180 | 230 | 360 |
| Entering Air | Cooling Max | °F WB | 90 | 90 | 90 |
| | Heating Min | °F DB | 23 | 23 | 23 |
| Unit Data | Refrigerant Type ² | | R410A | R410A | R410A |
| | Refrigerant Control | | EEV | EEV | EEV |
| | Sound Power ³ | dB(A) | 54 | 56 | 57 |
| | Dimensions (W×H×D) | in | 61-1/2 x 18-1/8 x 27-1/8 | 61-1/2 x 18-1/8 x 27-1/8 | 61-1/2 x 18-1/8 x 27-1/8 |
| | Net Unit Weight | lbs | 161 | 161 | 161 |
| | Shipping Weight | lbs | 191 | 191 | 191 |
| Fan | Communication Cable ⁴ | No. x AWG | 2 x 18 | 2 x 18 | 2 x 18 |
| | Type | | Sirocco | Sirocco | Sirocco |
| | Motor | | 1 | 1 | 1 |
| | Motor/Drive | | Brushless Digitally Controlled / Direct | Brushless Digitally Controlled / Direct | Brushless Digitally Controlled / Direct |
| | Airflow Rate (H/M/L) | CFM | 708/477/477 | 837 / 446 / 446 | 1,261 / 837 / 837 |
| | External Static Pressure | in wg | 0.7 | 0.87 | 0.87 |
| Piping (Main Coil) | Liquid Line (OD) | in | 3/8 Flare | 3/8 Flare | 3/8 Flare |
| | Vapor Line (OD) | in | 5/8 Brazed | 3/4 Brazed | 7/8 Brazed |
| Condensate | Condensate Line (OD) | in | 1 | 1 | 1 |
| Electrical Data | MCA | A | 2.7 | 2.7 | 2.7 |
| | MOP | A | 15 | 15 | 15 |
| | Power Supply | V / Hz / Ø | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |

Accessories

| Description | Model |
|---|-----------|
| High-Capacity Filter Box for B8 HSD Chassis | ZFBXB801A |

1. The power input is rated at high speed.
2. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. All communication cables to be minimum 18 AWG, four-conductor, stranded, and shielded, and must comply with applicable local and national codes.
Due to our commitment to continued innovation, some specifications may be changed without notification.

AIR HANDLING UNIT (AHU) CONVERSION KIT

Solution to extend LG VRF technology to third-party Air Handling Units.



Communication Kit

PAHCMR000

PAHCMS000

Specifications

| Type | Model Name | Combination | | | | Description | Dimensions (in) | | | |
|-------------------|------------|-----------------------|---------|---------------|--------------------|---|-----------------|----------|-------|---------|
| | | Outdoor unit | EEV Kit | Expansion Kit | Central controller | | W | H | D | Weight |
| Communication Kit | PAHCMR000 | MULTI V, Single Split | ● | ● | ● | Return/room air by remote controller or dry contact control | 11-13/16 | 11-13/16 | 6-1/8 | 13.7 lb |
| | PAHCMS000 | MULTI V, Single Split | ● | ● | ● | Discharge air or supply air (capacity) control by DDC | 14-3/4 | 11-13/16 | 6-1/8 | 16.4 lb |

NOTE: Available functions/features may differ based on the connected system. Due to our commitment to continued innovation, some specifications may be changed without notification.

Function list for Communication Kit

| | List | Description | Specification | | | |
|-------------|---|---|----------------------|----------------------------------|-----------------------------|------|
| | | | PAHCMR000 | PAHCMS000 | | |
| | | | Min | Type | Min | Max |
| Controlling | Outdoor Unit Operation | On/Off | By wired controller* | Digital input** (Non-voltage) | - | - |
| | Mode | Cooling/Heating only | | Digital input (Non-voltage) | - | - |
| | Fan Step | High/mid/low (three steps) | Applied | Digital input (Non-voltage) | Not Applied | |
| | Room Temperature Control | Cooling 64 ~ 86°F; Heating 60 ~ 86°F | By wired controller* | Analog input | 0 V | 10 V |
| | Supply Air Temperature (by outdoor capacity control) | Compressor Off, Compressor Off & Fan Off, 40 ~ 100% capacity control | - | Analog input | 0 V | 10 V |
| Monitoring | Outdoor Unit Operation | On/Off | - | Digital input** (Non-voltage) | Max : AC 250 V, DC 30 V, 1A | |
| | AHU Communication Kit Operation | On/Off | - | Digital input (Non-voltage) | Max : AC 250 V, DC 30 V, 1A | |
| | Outdoor Mode | Fan/defrost/cooling/heating | - | Digital input (Non-voltage) | Max : AC 250 V, DC 30 V, 1A | |
| | Fan Mode | High/mid/low (three steps) | | Digital input (Non-voltage) | Max : AC 250 V, DC 30 V, 1A | |
| | Error Status | No error/error occurred | | Digital input (Non-voltage) | Max : AC 250 V, DC 30 V, 1A | |

* Optional accessory, recommended model : PREMTB10U

** Binary input and output (Open and short), DO is normal open



EEV Kit

PRLK048A0
PRLK096A0
PRLK396A0
PRLK594A0

Specifications

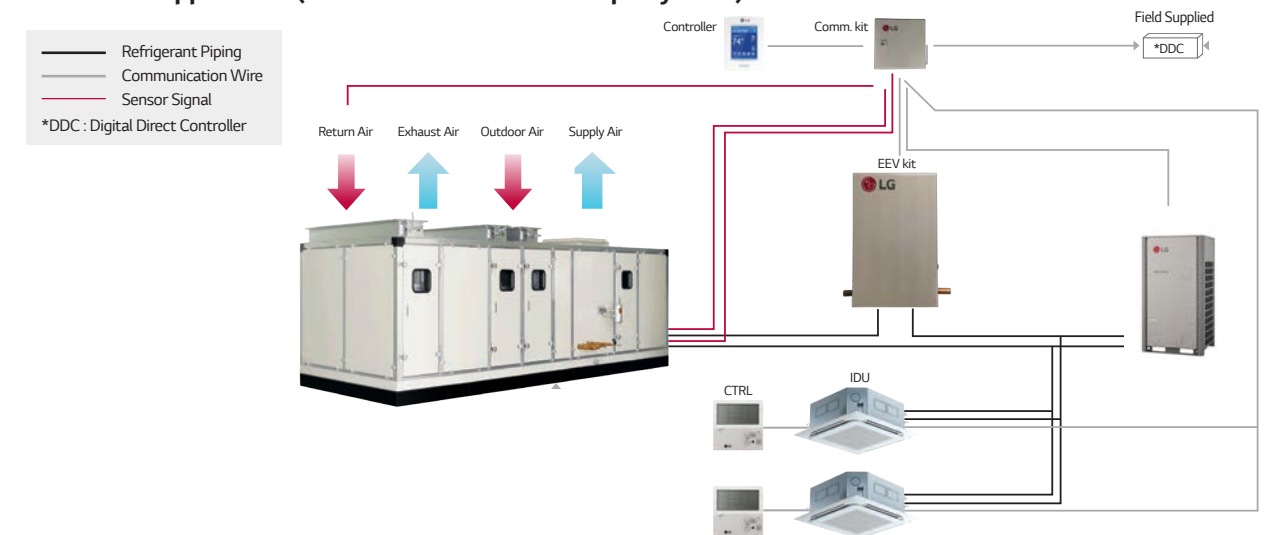
| Type | Model Name | Capacity Range | Dimensions (in) | | |
|---------|------------|-----------------|-----------------|----------|--------|
| | | | W | H | D |
| EEV Kit | PRLK048A0 | 8 tons maximum | 8-5/8 | 15-15/16 | 3-5/16 |
| | PRLK096A0 | 16 tons maximum | 8-5/8 | 15-15/16 | 3-5/16 |
| | PRLK396A0 | 32 tons maximum | 8-1/2 | 13-1/2 | 7-1/8 |
| | PRLK594A0* | 48 tons maximum | 11 | 13-1/2 | 7-1/8 |

Can be used in combination with or without indoor units. Several EEV kits can be connected to a single outdoor unit.

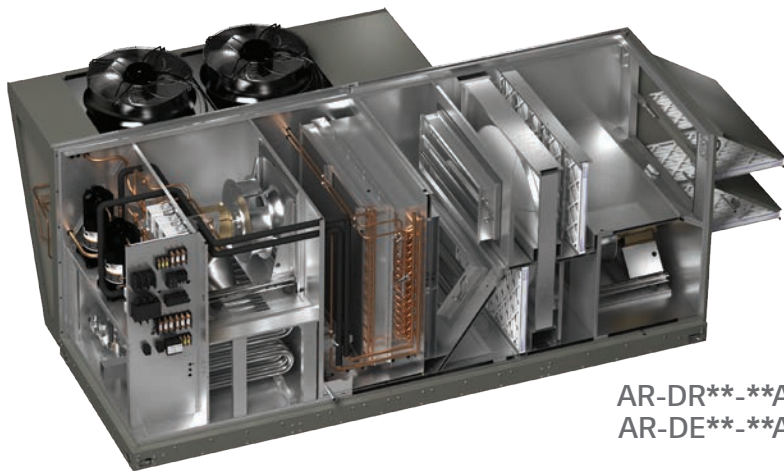
* In order for the PRLK594A0 to work with the PAHCMS000 the EV Control Module is required - PAEEVA020. This module will come in the box with the PRLK594A0.

System Architecture

- **MULTI V™ Application (in Combination with third-party AHU)**



ROOFTOP DOAS



AR-DR**-**A
AR-DE**-**A

The LG Rooftop DOAS product line ranges from 3 to 70 tons in cooling capacity and up to 18,000 CFM of airflow capacity. Rooftop DOAS units are highly configurable to meet any local design requirement such as heating options including indirect gas furnace with modulating gas controls, SCR controlled electric, or hot water coil options. Available with inverter scroll or digital scroll compressors, split systems, bottom or side discharge.

| Unit Type | | | | | | |
|----------------------|---------------------------|---|--|--|--|--|
| Chassis Size | | 02 | 12 | 22 | 32 | 35 |
| Model Numbers | | AR-DR02-03A AR-DR02-04A AR-DR02-05A AR-DR02-06A AR-DR02-07A | AR-DR12-05A AR-DR12-07A AR-DR12-10A AR-DR12-12A AR-DR12-15A AR-DE12-05A AR-DE12-07A AR-DE12-10A AR-DE12-12A AR-DE12-15A | AR-DR22-15A AR-DR22-17A AR-DR22-20A AR-DR22-25A AR-DR22-30A AR-DE22-15A AR-DE22-17A AR-DE22-20A AR-DE22-25A AR-DE22-30A | AR-DR32-25A AR-DR32-30A AR-DR32-40A AR-DR32-50A AR-DE32-25A AR-DE32-30A AR-DE32-40A AR-DE32-50A | AR-DR35-30A AR-DR35-40A AR-DR35-50A AR-DR35-60A AR-DR35-70A AR-DE35-30A AR-DE35-40A AR-DE35-50A AR-DE35-60A AR-DE35-70A |
| Nominal Tons | | 3, 4, 5, 6, 7 | 5, 7.5, 10, 12.5, 15 | 15, 17.5, 20, 25, 30 | 25, 30, 40, 50 | 30, 40, 50, 60, 70 |
| Airflow | Minimum (CFM) | 500 | 800 | 2,250 | 3,750 | 3,900 |
| | Maximum (CFM) | 2,500 | 5,750 | 9,550 | 16,000 | 18,000 |
| Cooling Components | Inverter Scroll | Standard | Optional | Optional | Optional | Optional |
| | Digital Scroll | Not Available | Standard | Standard | Standard | Standard |
| | Modulating hot gas reheat | Optional | Optional | Optional | Optional | Optional |
| Indirect Gas Furnace | Minimum (MBH) | 75 | 100 | 300 | 600 | 600 |
| | Maximum (MBH) | 200 | 300 | 500 | 1,200 | 1,200 |
| | Turndown | up to 16:1 | 4:1 up to 16:1 | 4:1 up to 16:1 | 4:1 or 10:1 | 10:1 |
| Electric Heat | Minimum (KW) | 4 | 15 | 35 | 35 | 50 |
| | Maximum (KW) | 60 | 60 | 120 | 230 | 200 |
| | SCR modulation | Standard | Standard | Standard | Standard | Standard |
| Hot Water Heat | | Not Available | Optional | Optional | Optional | Optional |

Accessories

LG Rooftop DOAS units are highly customizable with many accessories available to meet your application needs. To design an LG Rooftop DOAS unit and determine which accessory models are appropriate, use the LG CAPS (Computer-Aided Product Selection) software available through myLGHVAC.com.

1. AR-DR unit types include cooling and heating. AR-DE unit types include cooling, heating, and an ERV wheel.
2. Voltages are selectable between 208, 230, or 460 volts (all 3ø)

SPLIT COMPACT DOAS



ARNU***B8Z4

LG Split Compact Dedicated Outdoor Air System (DOAS) units provide 100% outdoor air in heating, cooling, and dehumidification modes. Working with LG VRF systems, the LG Split Compact DOAS unit optimizes energy savings and performance.

| Specifications | | Unit | ARND203DCR4 | ARND153DCR4 |
|--------------------------|----------------------------------|------------|--------------------------|--------------------------|
| Cooling Mode Performance | Capacity | Btu/h | 120,000 | 143,100 |
| Heating Mode Performance | Capacity | Btu/h | 51,000 | 59,900 |
| Entering Air | Cooling Max | °F WB | 122 / 78 | 122 / 78 |
| | Heating Min | °F DB | 14 | 14 |
| Unit Data | Refrigerant Type ¹ | | R410A | R410A |
| | Refrigerant Control | | EEV | EEV |
| | Sound Power ² | dB(A) | 74 | 72 |
| | Dimensions (W×H×D) | in | 61-1/2 x 18-1/8 x 27-1/8 | 61-1/2 x 18-1/8 x 27-1/8 |
| | Net Unit Weight | lbs | 364 | 364 |
| | Shipping Weight | lbs | 420 | 420 |
| | Communication Cable ³ | No. x AWG | 4 x 18 | 4 x 18 |
| Fan | Type | | 3D Plug | 3D Plug |
| | Motor | (HP/W) | 1 / 750 | 1 / 750 |
| | Motor/Drive | | ECM / Direct | ECM / Direct |
| | Airflow Rate | CFM | 1,500 | 2,000 |
| | External Static Pressure | in w/g | 2.0 | 1.5 |
| Piping | Liquid Line (OD) | in | 1/2 Brazed | 1/2 Brazed |
| | High Pressure Vapor (OD) | in | 3/4 Brazed | 7/8 Brazed |
| | Low Pressure Vapor (OD) | in | 1-1/8 Brazed | 1-1/8 Brazed |
| Condensate | Condensate Line (OD) | in | 1 | 1 |
| Electrical Data | MCA | A | 7.3 | 7.3 |
| | MOP | A | 15 | 15 |
| | Power Supply | V / Hz / Ø | 208-230/60/1 | 208-230/60/1 |
| Filter | Outdoor | | 2" Merv 8 (25" x 20") | 2" Merv 8 (25" x 20") |

Accessories

LG DOAS units are highly customizable with many accessories available to meet your application needs. To design an LG DOAS unit and determine which accessory models are appropriate, use the LG CAPS (Computer-Aided Product Selection) software available through myLGHVAC.com.

1. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
2. Sound power levels are tested under AHRI 260 Standard.
3. All communication cable to be minimum 18 AWG, 4-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the outdoor unit only. Do not ground the outdoor unit -DOAS unit communication cable at any other point.

SPLIT ROOFTOP DOAS



LG Split Rooftop Dedicated Outdoor Air System (DOAS) units provide 100% outdoor air in heating, cooling and dehumidification modes. Working with LG VRF systems, the LG Split Rooftop DOAS unit provides a complementary system solution to condition code-required outdoor air.

| Specifications | | Unit | ARND30UDBE4 |
|--------------------------|----------------------------------|------------|--------------------------------|
| Cooling Mode Performance | Capacity | Btu/h | 200,000 |
| Heating Mode Performance | Capacity | Btu/h | 135,000 |
| Entering Air | Cooling Max | °F WB | 95/78 |
| | Heating Min | °F DB | 47/43 |
| Unit Data | Refrigerant Type ¹ | | R410A |
| | Refrigerant Control | | EEV |
| | Sound Power ² | dB(A) | 74 |
| | Dimensions (W×H×D) | in | 147-3/32 x 54-13/64 x 61-45/64 |
| | Net Unit Weight | lbs | 2,161 |
| | Shipping Weight | lbs | 420 |
| | Communication Cable ³ | No. x AWG | 4 x 18 |
| Fan | Type | | 3D Plug |
| | Motor | (HP/W) | 10 / 1,800 |
| | Motor/Drive | | BLDC Direct |
| | Airflow Rate | CFM | 2,000 - 3,000 |
| | External Static Pressure | in wg | 2.0 |
| Piping | Liquid Line (OD) | in | 1/2 Brazed |
| | High Pressure Vapor (OD) | in | 3/4 Brazed |
| | Low Pressure Vapor (OD) | in | 1-1/8 Brazed |
| Condensate | Condensate Line (OD) | in | 1 |
| Electrical Data | MCA | A | 24.8 |
| | MOP | A | 35.8 |
| | Power Supply | V / Hz / Ø | 10 / 1,800 |
| Filter | Outdoor | | 2" Merv8 (4)(25"x20") |

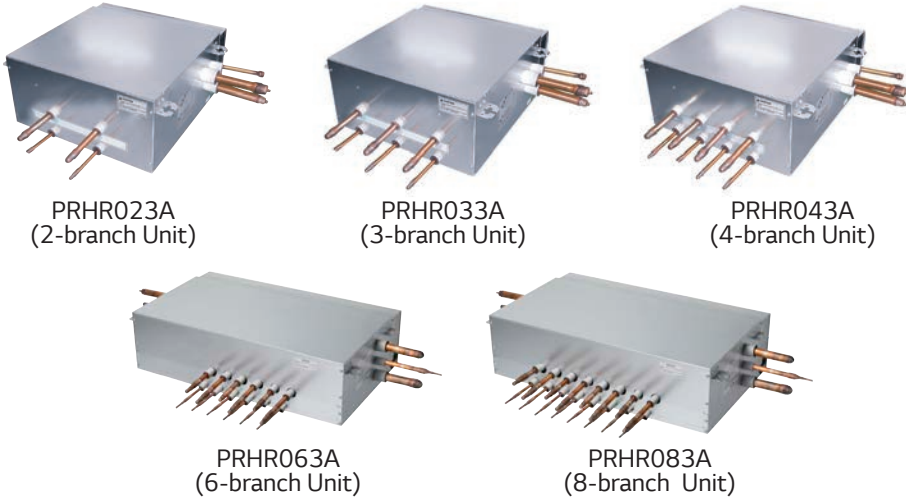
Accessories

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1. AR-DR unit types include cooling and heating. AR-DE unit types include cooling, heating, and an ERV wheel.
2. Voltages are selectable between 208, 230, or 460 volts (all 3ø)

HEAT RECOVERY UNIT

PRHR023A
PRHR033A
PRHR043A
PRHR063A
PRHR083A



Features

- Max. 64 indoor units can be connected (Max. eight indoor units per branch)
- Easy installation with auto pipe detect
- Delivers maximum efficiency using the subcooling cycle within the HR Unit

Models Applied

- MULTI V™ 5 Heat Recovery
- MULTI V™ WATER IV Heat Recovery
- Multi V™ S Heat Recovery

Specifications

| Specification | | Unit | PRHR023A | PRHR033A | PRHR043A | PRHR063A | PRHR083A |
|--|------------------------|--------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Number of Indoor Unit Ports ² | | | 2 | 3 | 4 | 6 | 8 |
| Power Input (Cooling / Heating) | | Watts | 39.8 / 37.2 | 39.8 / 37.2 | 39.8 / 37.2 | 75.9 / 72.1 | 75.9 / 72.1 |
| Max Port Capacity | Each Port | Btu/h | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| | Sum of Ports | Btu/h | 120,000 | 180,000 | 230,000 | 230,000 | 230,000 |
| Electrical | Power Supply | V/Hz/Ø | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| | Rated Amps | A | 0.06 | 0.06 | 0.06 | 0.09 | 0.09 |
| Piping | Port Liquid Line | in | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | Port Vapor Line | in | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | System Liquid Line | in | 3/8 | 1/2 | 5/8 | 5/8 | 5/8 |
| | System Vapor Line High | in | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 |
| | System Vapor Line Low | in | 7/8 | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 |
| Sound Pressure Data | Cooling Mode | dB(A) | 31 | 31 | 31 | 31 | 31 |
| | Heating Mode | dB(A) | 31 | 31 | 31 | 31 | 31 |
| | Simultaneous | dB(A) | 38 | 38 | 38 | 38 | 38 |
| Weight | Net Unit Weight | lbs | 33 | 37 | 40 | 60 | 68 |
| | Shipping Weight | lbs | 46 | 50 | 53 | 75 | 82 |
| Dimensions | W × D × H | in | 30-15/16 x 25-7/8 x 8-9/16 | 30-15/16 x 25-7/8 x 8-9/16 | 30-15/16 x 25-7/8 x 8-9/16 | 43-13/16 x 25-7/8 x 8-9/16 | 43-13/16 x 25-7/8 x 8-9/16 |

1. All refrigerant pipes require insulation.
2. Each port can allow up to eight indoor units with a maximum capacity of 60k Btu/h per port.
3. All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national code.
4. Kit components must be kept dry and free of debris before installation.
5. Must follow installation instructions in the applicable LG installation manual.
6. Power wiring cable size must comply with the applicable local and national code.
7. This unit comes with a dry nitrogen charge.
Due to our commitment to continued innovation, some specifications may be changed without notification.

ACCESSORIES

Outdoor Accessories

Air Guide



ZAGDKA52A

Air Guide



ZHGDKA51A
ZHGDKA52A

Hail Guard



ZLABKA51A
ZLABKA52A

Low Ambient Baffle Kit



ZLABKA51A
ZLABKA52A

Wind Baffle



ZLABGP04A
(for use with Multi V S)

Low Ambient Kit



PRVC2

Cool/Heat Selector



PRDSBM

Variable Water Flow Control Kit



PWFCKN000

| Type | Model | Description | Used with |
|---------------------------------|-----------|---|--|
| Air Guide | ZAGDKA51A | Air Guide | Multi V 5 (6 Ton Chassis) |
| | ZAGDKA52A | Air Guide | Multi V 5 (8 to 20 Ton Chassis) |
| Hail Guard | ZHGDKA51A | Hail Guards Kit | Multi V 5 (6 Ton Chassis) |
| | ZHGDKA52A | Hail Guards Kit | Multi V 5 (8 to 20 Ton Chassis) |
| Low Ambient Baffle Kit | ZLABKA51A | Low Ambient Baffle Kit (requires PRVC2) | Multi V 5 (6 Ton Chassis) |
| | ZLABKA52A | Low Ambient Baffle Kit (requires PRVC2) | Multi V 5 (8 to 20 Ton Chassis) |
| Wind Baffle | ZLABGP04A | Low Ambient Baffle Kit (two required per unit) | Multi V S |
| Variable Water Flow Control Kit | PWFCKN000 | Variable Water Flow Control Kit for Multi V Water IV | Multi V Water IV |
| Low Ambient Control Kit | PRVC2 | Low Ambient Control Kit (supports cooling down to -9°F) | Multi V 5 |
| Cool/Heat Selector | PRDSBM | Cool/Heat Mode selector for Multi V systems | Multi V 5, Multi V S, Multi V Water IV |

| Type | Model | Description | Used with |
|------------------|-----------|-----------------------------|---------------------------------|
| Drain Pan Heater | PQSH1200 | Drain Pan Heater | ARUN024GSS4 & ARUN060GSS4 |
| | ZPLT1A51A | Drain Pan Heater (208/230V) | Multi V 5 (6 Ton Chassis) |
| | ZPLT1A52A | Drain Pan Heater (208/230V) | Multi V 5 (8 to 20 Ton Chassis) |
| | ZPLT2A51A | Drain Pan Heater (460V) | Multi V 5 (6 Ton Chassis) |
| | ZPLT2A52A | Drain Pan Heater (460V) | Multi V 5 (8 to 20 Ton Chassis) |

UNIT NOMENCLATURE

Outdoor Units and Heat Recovery Units

Outdoor Units (ODU)

ARU

M

072

B

T

E

5

Family

Type

Capacity

Electrical Ratings

Airflow Configuration

Efficiency

Generation

| | | | | | | | | |
|---|--|--|--|--|--|--|---------------------------------|---------------------------------|
| Family | ARU | Multi V™ Outdoor Unit (Refrigerant R410A) | | | | | | |
| Type | M N B | Combination (Heat Pump or Heat Recovery) Heat Pump Heat Recovery | | | | | | |
| Capacity (cooling capacity in kBtu/h) | 024 038 048 060 072 096 | 24 38 48 60 72 96 | 121 144 168 192 216 241 | 121 144 168 192 216 240 | 264 288 312 336 360 384 | 264 288 312 336 360 384 | 408 432 456 480 504 | 408 432 456 480 504 |
| Electrical Ratings | B D | 208–230V/60Hz/3Ph 460V/60Hz/3Ph | | | | | | |
| AirflowConfiguration | T | Top Discharge | | | | | | |
| Efficiency | E | High Efficiency | | | | | | |
| Generation | 5 | Fifth | | | | | | |

Heat Recovery Units (HRU)

PRHR

02

3A

Family

Number of Ports

Series Number

| | | | | | |
|-----------------|------|--|----|-------------|--|
| Family | PRHR | Multi V™ Heat Recovery (HR) unit (Refrigerant R410A) | | | |
| Number of Ports | 02 | Two Ports | 06 | Six Ports | |
| | 03 | Three Ports | 08 | Eight Ports | |
| | 04 | Four Ports | | | |
| Series Number | 3A | Series Number | | | |

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