



LG VRF Systems

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 in consumer electronics, home appliances and mobile communications. LG Electronics, a proud ENERGY STAR® Partner of the Year for five consecutive years, sells a range of stylish and innovative home entertainment products, mobile phones, 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.

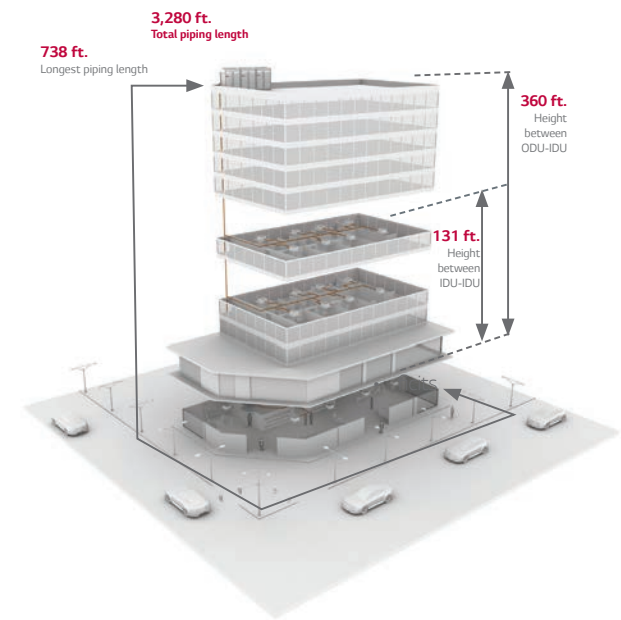
Why LG VRF?

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.

MULTI V™ 5

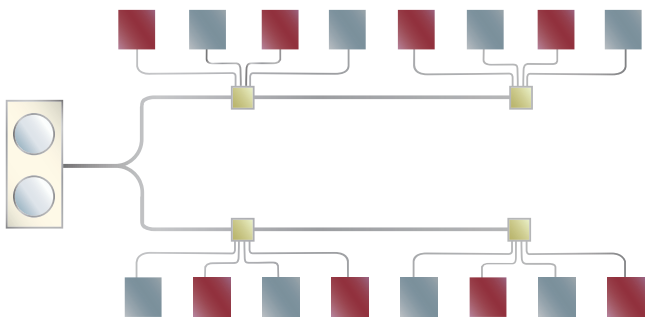
1. High Elevation Piping Distances

NOTE: All piping lengths are equivalent.



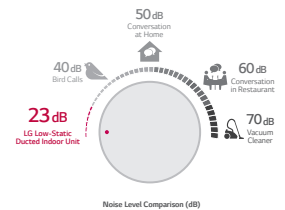
2. Optimized Heat Recovery Piping

- **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



3. Quiet Operation

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



4. Operation Range

- **Industry-leading operation ranges** without additional accessories or performance deficits:
 - Heating: -13°F to 61°F WB
 - Cooling: 5°F to 122°F DB
 - Simultaneous Cooling: 14°F to 81°F DB

¹. Down to 35.1 dB(A). See page 40 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.



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 -13 °F.
- Using a variable path heat exchanger, LG Multi V 5 performs in low ambient conditions to provide cooling down to 5 °F.

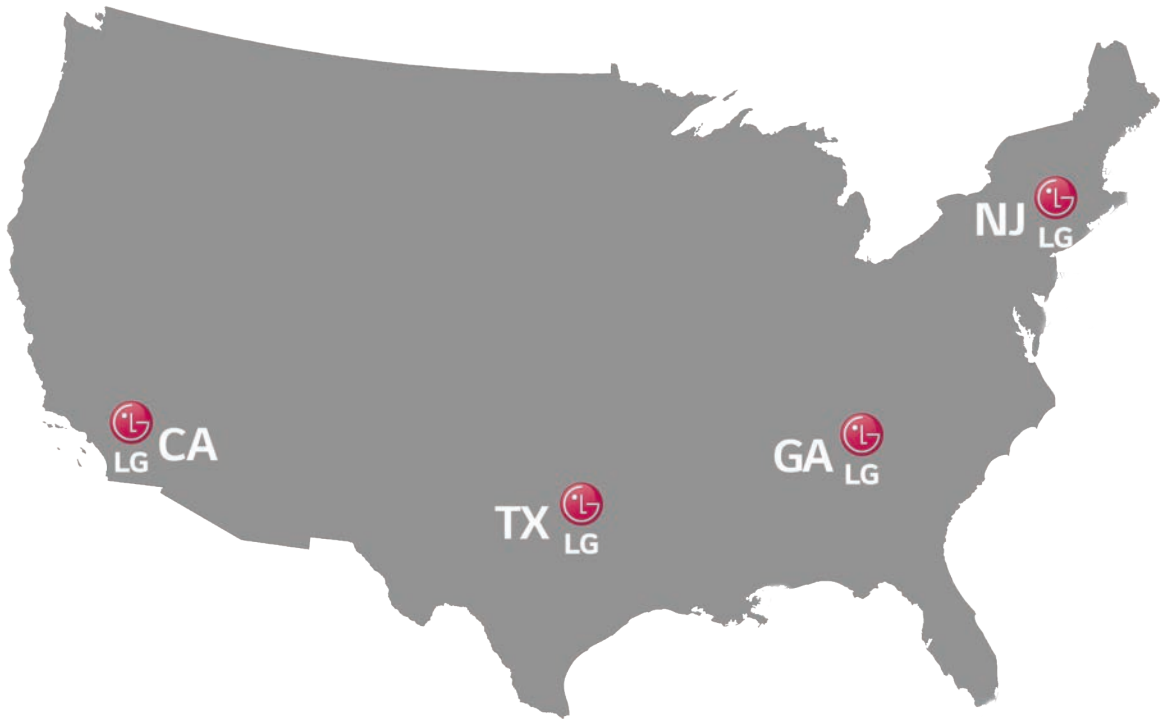
Comfort

- **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.

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.

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 ductless technology, with topics covering everything from installation to service for the full range of LG air conditioning products. LG also has several 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 lg.learnernation.com.

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.
- **LG Telepresence** connects technicians in the field directly to LG Technical Assistance representatives via a live video feed through the technician’s smartphone, allowing you to bring LG technical support with you to any jobsite.

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LG Multi V IV installation at
Motorcars Honda, Cleveland, Ohio

OUTDOOR UNIT

Lineup

● = Heat Pump
● = Heat Recovery
Unit : Tons
















	System Type		Frames	2	3	4	4.4	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	• Heat Pump and Heat Recovery in the same chassis • Available in 208-230V and 460V							<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>													
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	Multi V Space II	• Heat Pump System • Single-Phase Power					<div><div></div></div>																						
	Multi V S	• Heat Pump System • Single-Phase Power		<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div><div></div></div>																					
Water Source	Multi V Water IV 208-230V	• Heat Pump and Heat Recovery Systems							<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>																	
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	Multi V Water IV 460V	• Heat Pump and Heat Recovery Systems							<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>															
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	Multi V Water Mini	• Compact Unit for Installing Indoors • Single-Phase Power			<div><div></div></div>	<div><div></div></div>	<div><div></div></div>																						

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

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

AIR SOURCE SYSTEMS

MULTI V™ 5



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

MULTI V™ S



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

MULTI V™ SPACE II



MULTI V SPACE II
Heat Pump
4.4 Tons

MULTI V 5



ARUM072BTE5

ARUM***BTE5

Specifications		Unit	ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Frames			ARUM072BTE5	ARUM096BTE5	ARUM121BTE5	ARUM144BTE5
Tons			6	8	10	12
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000
	Heating ¹	Btu/h	69,000	92,000	114,000	138,000
Rated Capacity	Cooling ²	Btu/h	81,000	108,000	135,000	162,000
	Heating ²	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
Operating Range	Cooling	°F	5-122	5-122	5-122	5-122
	Heating	°F	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	36-3/4 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30
	Net	lbs	430	507	507	639
Weight	Shipping	lbs	452	534	534	666
Sound Pressure ⁴		dB(A)	58.0	58.0	59.0	60.0
Fan (Propeller)		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™	GBlack 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 Line ⁵	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 Units ⁶			13	16	20	24

MULTI V 5



ARUM***BTE5

Specifications		Unit	ARUM168BTE5	ARUM192BTE5	ARUM216BTE5	ARUM241BTE5
Frames			ARUM168BTE5	ARUM192BTE5	ARUM216BTE5	ARUM241BTE5
Tons			14	16	18	20
Nominal Capacity	Cooling ¹	Btu/h	168,000	192,000	216,000	240,000
	Heating ¹	Btu/h	160,000	184,000	206,000	222,000
Rated Capacity	Cooling ²	Btu/h	189,000	216,000	243,000	243,000
	Heating ²	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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30
	Net	lbs	639	659	666	666
Weight	Shipping	lbs	666	688	694	694
Sound Pressure ⁴		dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)		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 Line ⁵	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 Units ⁶			29	32	35	39

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 and 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. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

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

5. Used in Heat Recovery Systems only.

6. The System Combination Ratio must be between 50 and 130%.

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

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 ¹	Btu/h	264,000	288,000	312,000	336,000
	Heating ¹	Btu/h	252,000	276,000	298,000	320,000
Rated Capacity	Cooling ²	Btu/h	297,000	324,000	351,000	378,000
	Heating ²	Btu/h	283,000	309,000	333,000	359,000
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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	*F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	100-1/2x66-1/2x30	100-1/2x66-1/2x30	100-1/2x66-1/2x30	100-1/2x66-1/2x30
Weight	Net	lbs	507+639	507+659	507+666	507+666
	Shipping	lbs	534+666	534+688	534+694	534+694
Sound Pressure ⁴		dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)		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		GBlack 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 Line ⁵	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 Units ³			42	45	52	55

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 and 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. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

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

5. Used in Heat Recovery Systems only.

6. The System Combination Ratio must be between 50 and 130%.

7. 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 ¹	Btu/h	360,000	384,000	408,000
	Heating ¹	Btu/h	344,000	366,000	390,000
Rated Capacity	Cooling ²	Btu/h	405,000	432,000	459,000
	Heating ²	Btu/h	384,000	410,000	436,000
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	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	*F	14 - 81	14 - 81	14 - 81
Dimensions (WxDxH)	Body	in	100-1/2x66-1/2x30	100-1/2x66-1/2x30	100-1/2x66-1/2x30
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure ⁴		dB(A)	66.0	66.0	66.0
Fan (Propeller)		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™	GBlack 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 Line ⁵	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 Units ⁶			58	61	64

MULTI V 5



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 ¹	Btu/h	432,000	456,000	480,000	504,000
	Heating ¹	Btu/h	412,000	434,000	458,000	480,000
Rated Capacity	Cooling ²	Btu/h	486,000	513,000	540,000	567,000
	Heating ²	Btu/h	460,000	488,000	513,000	539,000
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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	*F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	155x66-1/2x30	152x66-1/2x30	152x66-1/2x30	152x66-1/2x30
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 Pressure ⁴		dB(A)	66.0	66.0	67.0	67.0
Fan (Propeller)		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 Line ⁵	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 Units ⁶			64	64	64	64

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 and 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. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

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

5. Used in Heat Recovery Systems only.

6. The System Combination Ratio must be between 50 and 130%.

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

MULTI V 5



ARUM072DTE5

ARUM***DTE5

Specifications		Unit	ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Frames			ARUM072DTE5	ARUM096DTE5	ARUM121DTE5	ARUM144DTE5
Tons			6	8	10	12
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000
	Heating ¹	Btu/h	69,000	92,000	114,000	138,000
Rated Capacity	Cooling ²	Btu/h	81,000	108,000	135,000	162,000
	Heating ²	Btu/h	77,000	103,000	129,000	154,000
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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	*F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	36-3/4 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30	48-7/8 x 66-1/2 x 30
Weight	Net	lbs	430	507	507	639
	Shipping	lbs	452	534	534	666
Sound Pressure ⁴		dB(A)	58.0	58.0	59.0	60.0
Fan (Propeller)		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™	GBlack 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 Line ⁵	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 Units ⁶			13	16	20	24



ARUM***DTE5

Specifications		Unit	ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Frames			ARUM168DTE5	ARUM192DTE5	ARUM216DTE5	ARUM241DTE5
Tons			14	16	18	20
Nominal Capacity	Cooling ¹	Btu/h	168,000	192,000	216,000	240,000
	Heating ¹	Btu/h	160,000	184,000	206,000	222,000
Rated Capacity	Cooling ²	Btu/h	189,000	216,000	243,000	243,000
	Heating ²	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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	48-7/8x66-1/2x30	48-7/8x66-1/2x30	48-7/8x66-1/2x30	48-7/8x66-1/2x30
Weight	Net	lbs	639	659	666	666
	Shipping	lbs	666	688	694	694
Sound Pressure ⁴		dB(A)	61.0	62.0	64.0	65.0
Fan (Propeller)		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 Line ⁵	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 Units ⁶			29	32	35	39

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 and 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. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

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

5. Used in Heat Recovery Systems only.

6. The System Combination Ratio must be between 50 and 130%.

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



ARUM***DTE5

Specifications		Unit	ARUM264DTE5	ARUM288DTE5	ARUM312DTE5	ARUM336DTE5
Frames			ARUM096DTE5 ARUM168DTE5	ARUM096DTE5 ARUM192DTE5	ARUM121DTE5 ARUM216DTE5	ARUM121DTE5 ARUM216DTE5
Tons			22	24	26	28
Nominal Capacity	Cooling ¹	Btu/h	264,000	288,000	312,000	336,000
	Heating ¹	Btu/h	252,000	276,000	298,000	320,000
Rated Capacity	Cooling ²	Btu/h	297,000	324,000	351,000	378,000
	Heating ²	Btu/h	283,000	309,000	333,000	359,000
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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	100-1/2x66-1/2x30	100-1/2x66-1/2x30	100-1/2x66-1/2x30	100-1/2x66-1/2x30
Weight	Net	lbs	507+639	507+659	507+666	507+666
	Shipping	lbs	534+666	534+688	534+694	534+694
Sound Pressure ⁴		dB(A)	63.0	63.0	65.0	65.0
Fan (Propeller)		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		GBlack 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 Line ⁵	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 Units ⁶			42	45	52	55

MULTI V 5



ARUM***DTE5

Specifications		Unit	ARUM360DTE5	ARUM384DTE5	ARUM408DTE5
Frames			ARUM144DTE5 ARUM216DTE5	ARUM168DTE5 ARUM216DTE5	ARUM192DTE5 ARUM216DTE5
Tons			30	32	34
Nominal Capacity	Cooling ¹	Btu/h	360,000	384,000	408,000
	Heating ¹	Btu/h	344,000	366,000	390,000
Rated Capacity	Cooling ²	Btu/h	405,000	432,000	459,000
	Heating ²	Btu/h	384,000	410,000	436,000
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	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	100-1/2×66-1/2×30	100-1/2×66-1/2×30	100-1/2×66-1/2×30
Weight	Net	lbs	639+666	639+666	659+666
	Shipping	lbs	666+694	666+694	688+694
Sound Pressure ⁴		dB(A)	66.0	66.0	66.0
Fan (Propeller)		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™	GBlack Coated Fin™
	Rows/Fins per Inch		3/17 × 2	3/17 × 2	3/17 × 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 Line ⁵	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 Units ⁶			58	61	64

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 and 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. Temperatures shown are for Simultaneous operation - primarily cooling. The simultaneous operation range (primarily heating) is 14°F to 61°F.

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

5. Used in Heat Recovery Systems only.

6. The System Combination Ratio must be between 50 and 130%.

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

MULTI V 5



ARUM***DTE5

Specifications		Unit	ARUM432DTE5	ARUM456DTE5	ARUM480DTE5	ARUM504DTE5
Frames			ARUM121DTE5 ARUM121DTE5 ARUM192DTE5	ARUM121DTE5 ARUM121DTE5 ARUM216DTE5	ARUM121DTE5 ARUM144DTE5 ARUM216DTE5	ARUM121DTE5 ARUM168DTE5 ARUM216DTE5
Tons			36	38	40	42
Nominal Capacity	Cooling ¹	Btu/h	432,000	456,000	480,000	504,000
	Heating ¹	Btu/h	412,000	434,000	458,000	480,000
Rated Capacity	Cooling ²	Btu/h	486,000	513,000	540,000	567,000
	Heating ²	Btu/h	460,000	488,000	513,000	539,000
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	-13 - 61	-13 - 61	-13 - 61	-13 - 61
	Simultaneous Operation ³	°F	14 - 81	14 - 81	14 - 81	14 - 81
Dimensions (W×D×H)	Body	in	155×66-1/2×30	152×66-1/2×30	152×66-1/2×30	152×66-1/2×30
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 Pressure ⁴		dB(A)	66.0	66.0	67.0	67.0
Fan (Propeller)		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 × 2 + 3/17	2/17 × 2 + 3/17	2/17 + 3/17 × 2	2/17 + 3/17 × 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 Line ⁵	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 Units ⁶			64	64	64	64

MULTI V S



ARU****GSS4

Specifications		Unit	ARUN024GSS4	ARUN038GSS4	ARUN048GSS4	ARUN053GSS4	ARUB060GSS4
Tons			2	3	4	4.4	5
Nominal Capacity	Cooling ¹	Btu/h	24,000	39,500	50,000	55,500	60,000
	Heating ¹	Btu/h	27,000	44,000	56,500	61,500	64,000
Rated Capacity	Cooling ²	Btu/h	24,000	38,000	48,000	53,000	60,000
	Heating ²	Btu/h	27,000	42,000	54,500	59,000	64,000
Power Voltage		V / Hz / ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Power/Communication Wiring		No x AWG	2 x 18	2 x 18	2 x 18	2 x 18	2 x 18
Operating Range	Cooling	*F	23 - 122	23 - 122	23 - 122	23 - 122	23 - 122
	Heating	*F	-4 - 61	-4 - 61	-4 - 61	-4 - 61	-13 - 61
Dimensions (W×D×H)	Body	in	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13	37-13/32 x 32-27/32 x 13
	Net	lbs	159	207	207	207	256
Weight	Shipping	lbs	176	218	218	218	284
Sound Pressure ⁴		dB(A)	50	50	51	52	57
Fan (Axial Flow Fan)		CFM	2,119	3,885	3,885	3,885	3,885
Compressor	Type		DC Inverter	DC Inverter	DC Inverter	DC Inverter	DC Inverter
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1	1
Heat Exchanger	Coating		Gold Fin / Hydrophillic	Gold Fin / Hydrophillic	Gold Fin / Hydrophillic	Gold Fin / Hydrophillic	Gold Fin / Hydrophillic
	Rows/Fins per Inch		2/14	2/14	2/14	2/14	3/14
Piping	Liquid Line	in	3/8	3/8	3/8	3/8	3/8
	H/P Vapor Line	in	-	-	-	-	5/8
	L/P Vapor Line	in	5/8	5/8	5/8	3/4	3/4
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Charge	lbs	4.0	6.6	6.6	6.6	8.8
	Control		EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units ³			4	6	8	9	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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V SPACE II



ARUN053GF2

Specifications		Unit	ARUN053GF2
Tons			4.4
Nominal Capacity	Cooling ¹	Btu/h	53,000
	Heating ¹	Btu/h	59,000
Rated Capacity	Cooling ²	Btu/h	54,000
	Heating ²	Btu/h	60,000
Power Voltage		V / Hz / ø	208-230/60/1
Power/Communication Wiring		No x AWG	2 x 18
Operating Range	Cooling	*F	23 - 118
	Heating	*F	-4 - +60
Dimensions (W×D×H)	Body	in	29-1/2 x 70-1/2 x 25-1/2
	Net	lbs	320
Weight	Shipping	lbs	346
Sound Pressure ⁴		dB(A)	68.3 / 52.7
Fan (Propeller)		CFM	3,532
Compressor (DC Inverter)	Oil Type		PVE/FVC68D
	Quantity		1
Heat Exchanger	Coating		Gold Fin
	Rows/Fins per Inch		2/14
Piping	Liquid Line	in	3/8
	Vapor Line	in	3/4
Refrigerant	Type		R410A
	Charge	lbs	7.7
	Control		EEV
Maximum Number of Indoor Units ³			9

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. 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



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

MULTI V
WATER MINI



MULTI V WATER MINI
Heat Pump
3 to 4.4 Tons

MULTI V WATER IV HEAT PUMP



ARWN***BAS4

Specifications		Unit	ARWN072BAS4	ARWN096BAS4	ARWN121BAS4	ARWN144BAS4
Frames			ARWN072BAS4	ARWN096BAS4	ARWN121BAS4	ARWN144BAS4
Tons			6	8	10	12
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000
	Heating ¹	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity	Cooling ²	Btu/h	69,000	92,000	114,000	138,000
	Heating ²	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 (WxDxH)	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 ⁴		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
	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
Heat Exchanger	Flow Rate Nominal	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 ⁵			13	16	20	23

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT PUMP



ARWN***BAS4

Specifications		Unit	ARWN168BAS4	ARWN192BAS4	ARWN216BAS4	ARWN288BAS4
Frames			ARWN072BAS4 ARWN096BAS4	ARWN072BAS4 ARWN121BAS4	ARWN072BAS4 ARWN144BAS4	ARWN144BAS4 ARWN144BAS4
Tons			14	16	18	24
Nominal Capacity	Cooling ¹	Btu/h	168,000	192,000	216,000	288,000
	Heating ¹	Btu/h	189,000	216,000	243,000	324,000
Rated Capacity	Cooling ²	Btu/h	160,000	184,000	206,000	274,000
	Heating ²	Btu/h	180,000	206,000	232,000	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×D×H)	Body	in	63-1/2x39-1/4x19-3/4	63-1/2x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
	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 ⁴		dB(A)	55/56	54/60	57/57	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
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	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	20.3 + 25.4	20.3 + 30.4	20.3 + 35.5	35.5 + 35.5
	Pressure Drop	ft wg	3.7 + 4.7	3.7 + 6.9	3.7 + 9.2	9.2 + 9.2
Piping	Liquid Line	in	3/8 + 3/8	3/8 + 1/2	3/8 + 1/2	1/2 + 1/2
	Vapor Line	in	7/8 + 7/8	7/8 + 1-1/8	7/8 + 1-1/8	1-1/8 + 1-1/8
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			29	32	35	45

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT PUMP



ARWN***BAS4

Specifications		Unit	ARWN360BAS4	ARWN432BAS4
Frames			ARWN072BAS4 ARWN144BAS4 ARWN144BAS4	ARWN144BAS4 ARWN144BAS4 ARWN144BAS4
Tons			30	36
Nominal Capacity	Cooling ¹	Btu/h	360,000	432,000
	Heating ¹	Btu/h	405,000	486,000
Rated Capacity	Cooling ²	Btu/h	342,000	410,000
	Heating ²	Btu/h	386,000	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×D×H)	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 ⁴		dB(A)	56/57	58/62
Water Temperature Range	Cooling	°F	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113
Compressor (DC Scroll)	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	20.3 + 35.5 + 35.5	35.5 + 35.5 + 35.5
	Pressure Drop	ft wg	3.7 + 9.2 + 9.2	9.2 + 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
	Charge	lbs	12.8 + 12.8 + 12.8	12.8 + 12.8 + 12.8
	Control		EEV	EEV
Maximum Number of Indoor Units ³			58	64

MULTI V WATER IV HEAT PUMP



ARWN***DAS4

Specifications		Unit	ARWN072DAS4	ARWN096DAS4	ARWN121DAS4	ARWN144DAS4	ARWN168DAS4	ARWN192DAS4
Frames			ARWN072DAS4	ARWN096DAS4	ARWN121DAS4	ARWN144DAS4	ARWN168DAS4	ARWN192DAS4
Tons			6	8	10	12	14	16
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
	Heating ¹	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Rated Capacity	Cooling ²	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000
	Heating ²	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3	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	2 x 18	2 x 18
Dimensions (WxDxH)	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	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	309	309	309
	Shipping	lbs	302	302	302	331	331	331
Sound Pressure ⁴		dB(A)	47/51	50/53	56/56	58/57	53/57	54/60
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113	14 - 113	14 - 113
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	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	45.7	50.7
	Pressure Drop	ft wg	3.7	4.7	6.9	4.7	8.0	9.2
Piping	Liquid Line	in	3/8	3/8	1/2	1/2	1/2	1/2
	Vapor Line	in	7/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	6.6	6.6	6.6
	Control		EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units ³			13	16	20	23	29	32

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT PUMP



ARWN***DAS4

Specifications		Unit	ARWN240DAS4	ARWN288DAS4	ARWN336DAS4	ARWN384DAS4
Frames			ARWN096DAS4 ARWN144DAS4	ARWN121DAS4 ARWN168DAS4	ARWN168DAS4 ARNB168DAS4	ARWN192DAS4 ARWN192DAS4
Tons			20	24	28	32
Nominal Capacity	Cooling ¹	Btu/h	240,000	288,000	336,000	384,000
	Heating ¹	Btu/h	270,000	324,000	378,000	432,000
Rated Capacity	Cooling ²	Btu/h	228,000	274,000	320,000	366,000
	Heating ²	Btu/h	256,000	308,000	360,000	410,000
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
Dimensions (WxDxH)	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
Weight	Net	lbs	280 + 309	280 + 309	309 x 2	309 x 2
	Shipping	lbs	302 + 331	302 + 331	331 x 2	331 x 2
Sound Pressure ⁴		dB(A)	57/57	59/58	59/61	56/61
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		2	2	2	2
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	25.4 + 35.5	30.4 + 45.7	45.7 + 45.7	50.7 + 50.7
	Pressure Drop	ft wg	4.7 + 4.7	6.9 + 8.0	8.0 + 8.0	9.2 + 9.2
Piping	Liquid Line	in	3/8 + 1/2	1/2 + 1/2	1/2 + 1/2	1/2 + 1/2
	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
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charge	lbs	12.8 + 6.6	12.8 + 6.6	6.6 + 6.6	6.6 + 6.6
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units ³			39	45	55	61

MULTI V WATER IV HEAT PUMP



ARWN***DAS4

Specifications		Unit	ARWN480DAS4	ARWN576DAS4
Frames			ARWN144DAS4 ARWN144DAS4 ARWN192DAS4	ARWN192DAS4 ARWN192DAS4 ARWN192DAS4
Tons			40	48
Nominal Capacity	Cooling ¹	Btu/h	480,000	576,000
	Heating ¹	Btu/h	540,000	648,000
Rated Capacity	Cooling ²	Btu/h	450,000	545,000
	Heating ²	Btu/h	510,000	610,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18
Dimensions (WxDxH)		Body	97-1/4x39-1/4x19-3/4	97-1/4x39-1/4x19-3/4
Weight	Net	lbs	309 x 3	309 x 3
	Shipping	lbs	331 x 3	331 x 3
Sound Pressure ⁴		dB(A)	60/62	60/62
Water Temperature Range	Cooling	°F	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113
Compressor (DC Scroll)	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	35.5 + 35.5 + 50.7	50.7 + 50.7 + 50.7
	Pressure Drop	ft wg	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
	Vapor Line	in	1-1/8 + 1-1/8 + 1-1/8	1-1/8 + 1-1/8 + 1-1/8
Refrigerant	Type		R410A	R410A
	Charge	lbs	6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6
	Control		EEV	EEV
Maximum Number of Indoor Units ³			64	64

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT RECOVERY



ARBW***BAS4

Specifications		Unit	ARBW072BAS4	ARBW096BAS4	ARBW121BAS4	ARBW144BAS4
Frames			ARBW072BAS4	ARBW096BAS4	ARBW121BAS4	ARBW144BAS4
Tons			6	8	10	12
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000
	Heating ¹	Btu/h	81,000	108,000	135,000	162,000
Rated Capacity	Cooling ²	Btu/h	69,000	92,000	114,000	138,000
	Heating ²	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 (WxDxH)		Body	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	280
	Shipping	lbs	302	302	302	302
Sound Pressure ⁴		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
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113	23 - 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
	Flow Rate Nominal	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
	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 Units ³			13	16	20	23

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT RECOVERY



ARWB***BAS4

Specifications		Unit	ARWN192BAS4	ARWB216BAS4	ARWB288BAS4
Frames			ARWN072BAS4 ARWN121BAS4	ARWB072BAS4 ARWB144BAS4	ARWB144BAS4 ARWB144BAS4
Tons			16	18	24
Nominal Capacity	Cooling ¹	Btu/h	192,000	216,000	288,000
	Heating ¹	Btu/h	216,000	243,000	324,000
Rated Capacity	Cooling ²	Btu/h	184,000	206,000	274,000
	Heating ²	Btu/h	206,000	232,000	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×D×H)	Body	in	63-1/2x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4	29-3/4x39-1/4x19-3/4
	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 ⁴		dB(A)	54/60	57/57	59/58
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113
Compressor (DC Scroll)	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	20.3 + 35.5	35.5 + 35.5
	Pressure Drop	ft wg	3.7 + 6.9	3.7 + 9.2	9.2 + 9.2
Piping	Liquid Line	in	3/8 + 1/2	3/8 + 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
	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 + 12.8	12.8 + 12.8	12.8 + 12.8
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units ³			32	35	45

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT RECOVERY



ARWB***BAS4

Specifications		Unit	ARWB360BAS4	ARWB432BAS4
Frames			ARWB072BAS4 ARWB144BAS4 ARWB144BAS4	ARWB144BAS4 ARWB144BAS4 ARWB144BAS4
Tons			30	36
Nominal Capacity	Cooling ¹	Btu/h	360,000	432,000
	Heating ¹	Btu/h	405,000	486,000
Rated Capacity	Cooling ²	Btu/h	342,000	410,000
	Heating ²	Btu/h	386,000	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×D×H)	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 ⁴		dB(A)	56/57	58/62
Water Temperature Range	Cooling	°F	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113
Compressor (DC Scroll)	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	20.3 + 35.5 + 35.5	35.5 + 35.5 + 35.5
	Pressure Drop	ft wg	3.7 + 9.2 + 9.2	9.2 + 9.2 + 9.2
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
	Charge	lbs	12.8 + 12.8 + 12.8	12.8 + 12.8 + 12.8
	Control		EEV	EEV
Maximum Number of Indoor Units ³			58	64

MULTI V WATER IV HEAT RECOVERY



ARWB***DAS4

Specifications		Unit	ARWB072DAS4	ARWB096DAS4	ARWB121DAS4	ARWB144DAS4	ARWB168DAS4	ARWB192DAS4
Frames			ARWB072DAS4	ARWB096DAS4	ARWB121DAS4	ARWB144DAS4	ARWB168DAS4	ARWB192DAS4
Tons			6	8	10	12	14	16
Nominal Capacity	Cooling ¹	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
	Heating ¹	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Rated Capacity	Cooling ²	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000
	Heating ²	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3	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	2 x 18	2 x 18
Dimensions (W×D×H)	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	29-3/4x39-1/4x19-3/4
Weight	Net	lbs	280	280	280	309	309	309
	Shipping	lbs	302	302	302	331	331	331
Sound Pressure ⁴		dB(A)	47/51	50/53	56/56	58/57	53/57	54/60
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113	23 - 113
Compressor (DC Scroll)	Type		DC Scroll	DC Scroll	DC Scroll	DC Scroll	DC Scroll	DC Scroll
	Oil Type		PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D	PVE/FVC68D
	Quantity		1	1	1	1	1	1
Heat Exchanger	Type		Stainless Steel Plate	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	45.7	50.7
	Pressure Drop	ft wg	3.7	4.7	6.9	4.7	8.0	9.2
Piping	Liquid Line	in	3/8	3/8	1/2	1/2	1/2	1/2
	L/P Vapor Line	in	7/8	7/8	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	R410A	R410A	R410A	R410A
	Charge	lbs	12.8	12.8	12.8	6.6	6.6	6.6
	Control		EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units ³			13	16	20	23	29	32

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER IV HEAT RECOVERY



ARWB***DAS4

Specifications		Unit	ARWB240DAS4	ARWB288DAS4	ARWB336DAS4	ARWB384DAS4
Frames			ARWB096DAS4 ARWB144DAS4	ARWB121DAS4 ARWB168DAS4	ARWB168DAS4 ARWB168DAS4	ARWB192DAS4 ARWB192DAS4
Tons			20	24	28	32
Nominal Capacity	Cooling ¹	Btu/h	240,000	288,000	336,000	384,000
	Heating ¹	Btu/h	270,000	324,000	378,000	432,000
Rated Capacity	Cooling ²	Btu/h	228,000	274,000	320,000	366,000
	Heating ²	Btu/h	256,000	308,000	360,000	410,000
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
Dimensions (W×D×H)	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
Weight	Net	lbs	280 + 309	280 + 309	309 x 2	309 x 2
	Shipping	lbs	302 + 331	302 + 331	331 x 2	331 x 2
Sound Pressure ⁴		dB(A)	57/57	59/58	59/61	56/61
Water Temperature Range	Cooling	°F	23 - 113	23 - 113	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113	23 - 113	23 - 113
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	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate Nominal	GPM	25.4 + 35.5	30.4 + 45.7	45.7 + 45.7	50.7 + 50.7
	Pressure Drop	ft wg	4.7 + 4.7	6.9 + 8.0	8.0 + 8.0	9.2 + 9.2
Piping	Liquid Line	in	3/8 + 1/2	1/2 + 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 + 6.6	12.8 + 6.6	6.6 + 6.6	6.6 + 6.6
	Control		EEV	EEV	EEV	EEV
Maximum Number of Indoor Units ³			39	45	55	61

MULTI V WATER IV HEAT RECOVERY



ARWB***DAS4

Specifications		Unit	ARWB480DAS4	ARWB576DAS4
Frames			ARWB144DAS4 ARWB144DAS4 ARWB192DAS4	ARWB192DAS4 ARWB192DAS4 ARWB192DAS4
Tons			40	48
Nominal Capacity	Cooling ¹	Btu/h	480,000	576,000
	Heating ¹	Btu/h	540,000	648,000
Rated Capacity	Cooling ²	Btu/h	450,000	545,000
	Heating ²	Btu/h	510,000	610,000
Power Voltage		V / Hz / ø	460/60/3	460/60/3
Power/Communication Wiring		No x AWG	2 x 18	2 x 18
Dimensions (W×D×H)		in	97-1/4x39-1/4x19-3/4	97-1/4x39-1/4x19-3/4
Weight	Net	lbs	309 x 3	309 x3
	Shipping	lbs	331 x 3	331 x 3
Sound Pressure ⁴		dB(A)	60/62	60/62
Water Temperature Range	Cooling	°F	23 - 113	23 - 113
	Heating	°F	14 - 113	14 - 113
	Synchronous Operation	°F	23 - 113	23 - 113
Compressor (DC Scroll)	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	35.5 + 35.5 + 50.7	50.7 + 50.7 + 50.7
	Pressure Drop	ft wg	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
	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 Line	in	3/4 + 3/4 + 3/4	3/4 + 3/4 + 3/4
Refrigerant	Type		R410A	R410A
	Charge	lbs	6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6
	Control		EEV	EEV
Maximum Number of Indoor Units ³			64	64

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

MULTI V WATER MINI



ARWN***GA2

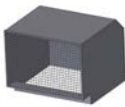
Specifications		Unit	ARWN038GA2	ARWN048GA2	ARWN053GA2
Tons			3	4	4.4
Nominal Capacity	Cooling ¹	Btu/h	38,200	47,800	52,900
	Heating ¹	Btu/h	42,600	54,600	61,400
Rated Capacity	Cooling ²	Btu/h	38,000	48,000	53,000
	Heating ²	Btu/h	42,000	54,000	61,000
Power		V / Hz / ø	208-230/60/1	208-230/60/1	208-230/60/1
Dimensions (W×D×H)		in	20-5/8x42-1/2x13-1/8	20-5/8x42-1/2x13-1/8	20-5/8x42-1/2x13-1/8
Weight	Net	lbs	168	168	168
	Shipping	lbs	181	181	181
Sound Pressure ⁴		dB(A)	52	53	54
Water Temperatue Range	Cooling	°F	23-113	23-113	23-113
	Heating	°F	23-113	23-113	23-113
Compressor (Inverter Rotary)	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary
	Oil Type		PVE	PVE	PVE
	Quantity		1	1	1
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Flow Rate	GPM	10.6	13.2	15.9
	Pressure Drop	ft wg	4.7	6.9	9.5
Piping	Liquid Line	in	3/4	3/4	3/4
	Vapor Line	in	3/8	3/8	3/8
Refrigerant	Type		R410A	R410A	R410A
	Charge	lbs	2.2	2.2	2.2
	Control		EEV	EEV	EEV
Maximum Number of Indoor Units ³			6	8	9

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 and 105%.
Cooling: Indoor 80°F DB, 67°F WB; Outdoor 95°F DB, 75°F WB
Heating: Outdoor 70°F DB, 59°F WB; Outdoor 47°F DB, 43°F 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 and 130%.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. Due to our commitment to continued innovation, some specifications may be changed without notification.

ACCESSORIES

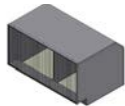
Outdoor Accessories

Air Guide



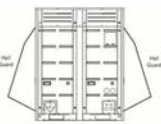
ZAGDKA51A

Air Guide




ZAGDKA52A

Hail Guard




ZHGDKA51A
ZHGDKA52A

Low Ambient Baffle Kit



ZLABKA51A
ZLABKA52A

Wind Baffle



ZLABGP04A
(for use with Multi V S)

Type	Model	Description	Used with
Air Guide	ZAGDKA51A	Air Guide	Multi V S (6 Ton Chassis)
	ZAGDKA52A	Air Guide	Multi V S (8 to 20 Ton Chassis)
Hail Guard	ZHGDKA51A	Hail Guards Kit	Multi V S (6 Ton Chassis)
	ZHGDKA52A	Hail Guards Kit	Multi V S (8 to 20 Ton Chassis)
Low Ambient Baffle Kit	ZLABKA51A	Low Ambient Baffle Kit (requires PRVC2)	Multi V S (6 Ton Chassis)
	ZLABKA52A	Low Ambient Baffle Kit (requires PRVC2)	Multi V S (8 to 20 Ton Chassis)
Wind Baffle	ZLABGP04A	Low Ambient Baffle Kit (two required per unit)	Multi V S

HEAT RECOVERY UNIT

PRHR022A
PRHR032A
PRHR042A



Features

- Max. 32 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

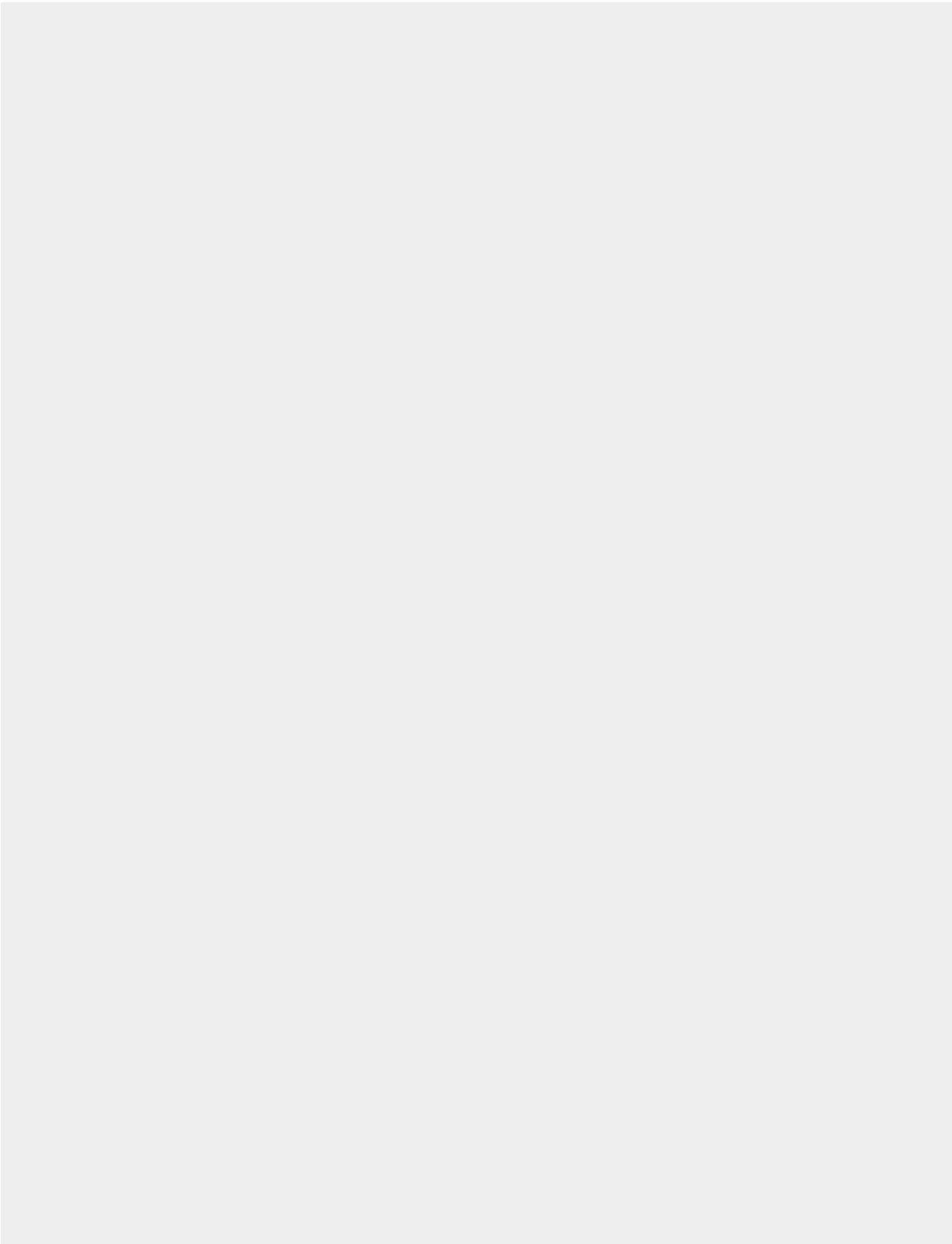
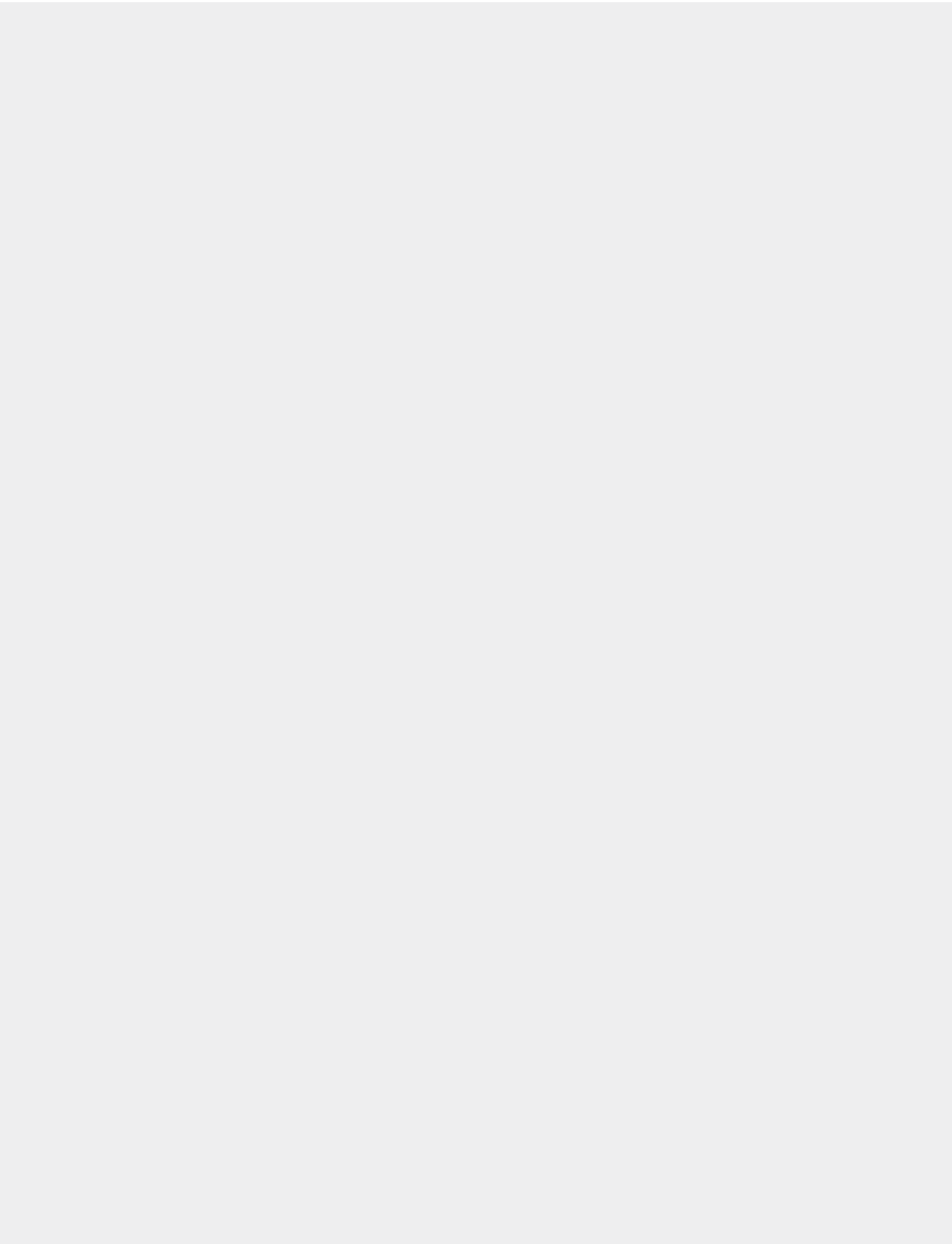
Models Applied

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

Specifications

Specification			Unit	PRHR022A	PRHR032A	PRHR042A
Number of Indoor Unit Ports ²				2	3	4
Power Input			Watts	26	40	40
Max Port Capacity	Each Port		Btu/h	54,000	54,000	54,000
	Sum of Ports		Btu/h	192,000	192,000	192,000
Electrical	Power Supply		(V/Hz/Ø)	208-230/60/1	208-230/60/1	208-230/60/1
	Rated Amps		A	0.08	0.12	0.16
Piping	Port Liquid Line		in	3/8	3/8	3/8
	Port Vapor Line		in	5/8	5/8	5/8
	System Liquid Line		in	3/8	1/2	5/8
	System Vapor Line High		in	3/4	7/8	7/8
	System Vapor Line Low		in	7/8	1-1/8	1-1/8
Sound Pressure Data	Cooling Mode		dB(A)	35.2	35.2	35.2
	Heating Mode		dB(A)	35.1	35.1	35.1
	Simultaneous		dB(A)	43.3	43.3	43.3
Weight	Net Unit Weight		lbs	40	45	49
	Shipping Weight		lbs	48	54	57
Dimensions	W × D × H		in	17-7/8 × 18-15/16 × 8-5/8	17-7/8 × 18-15/16 × 8-5/8	17-7/8 × 18-15/16 × 8-5/8

1. All refrigerant pipes require insulation.
2. Each port can allow up to eight indoor units with a maximum capacity of 48k Btu/h per port.
3. All communication cable to be minimum 18 AWG, 2-conductor, 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.
8. Due to our commitment to continued innovation, some specifications may be changed without notification.





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