



**MULTI V™**

# INDOOR UNITS VRF SYSTEMS

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**LG Air Conditioning Technologies**

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# ABOUT LG

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## About LG Electronics USA

LG Electronics USA, Inc., based in Englewood Cliffs, New Jersey, is the North American subsidiary of LG Electronics, Inc., a \$54 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](http://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](http://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.

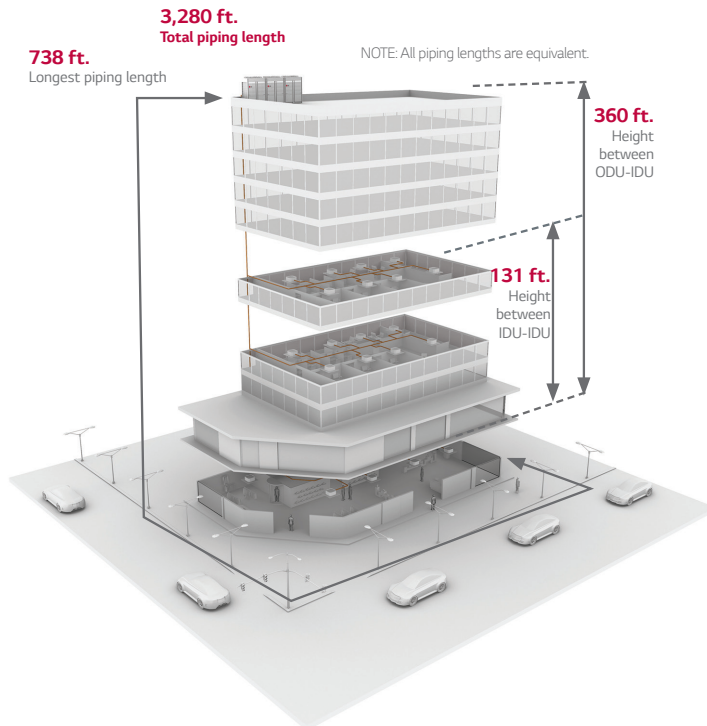
With the addition of LGRED° heating capability, the Multi V™ 5 provides continuous operational performance with heating down to -22 °F and cooling up to 122 °F for all units with no additional accessories or modifications to the equipment, making it a robust solution for all climates.

**LGRED°**

Powerful Heat Technology  
RELIABLE TO EXTREME DEGREES

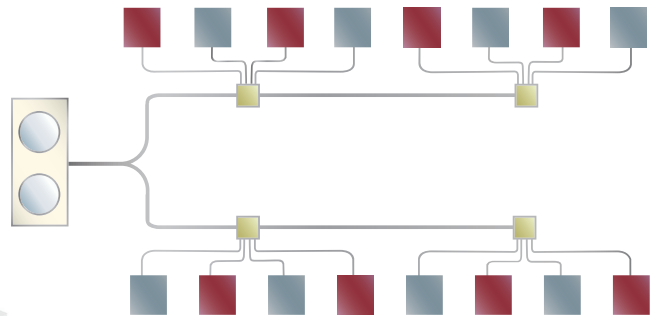
## MULTI V™ 5

### 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 drains
- Configured for fully independent heating and cooling, ensuring occupant comfort



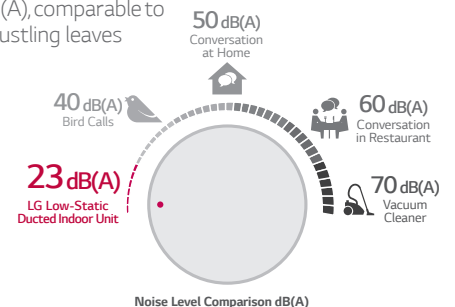
### 3. Operation Range

- 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

### 4. Quiet Operation

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



# 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**  
Eliminate 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 and 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.

## 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.

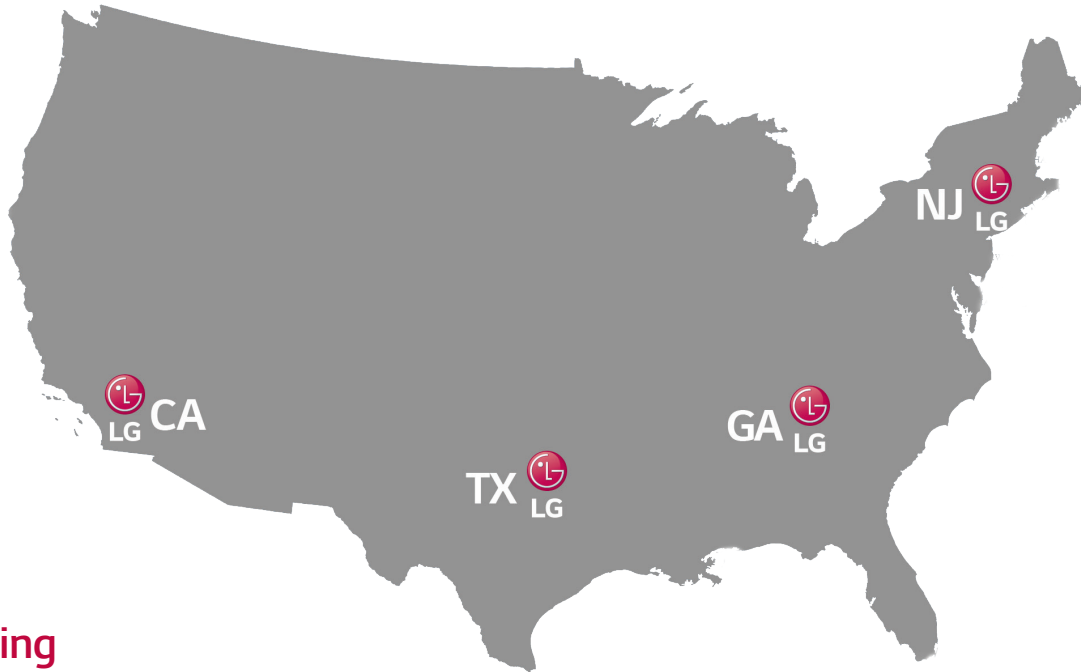
## Comfort

- **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.



# TRAINING

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## Training

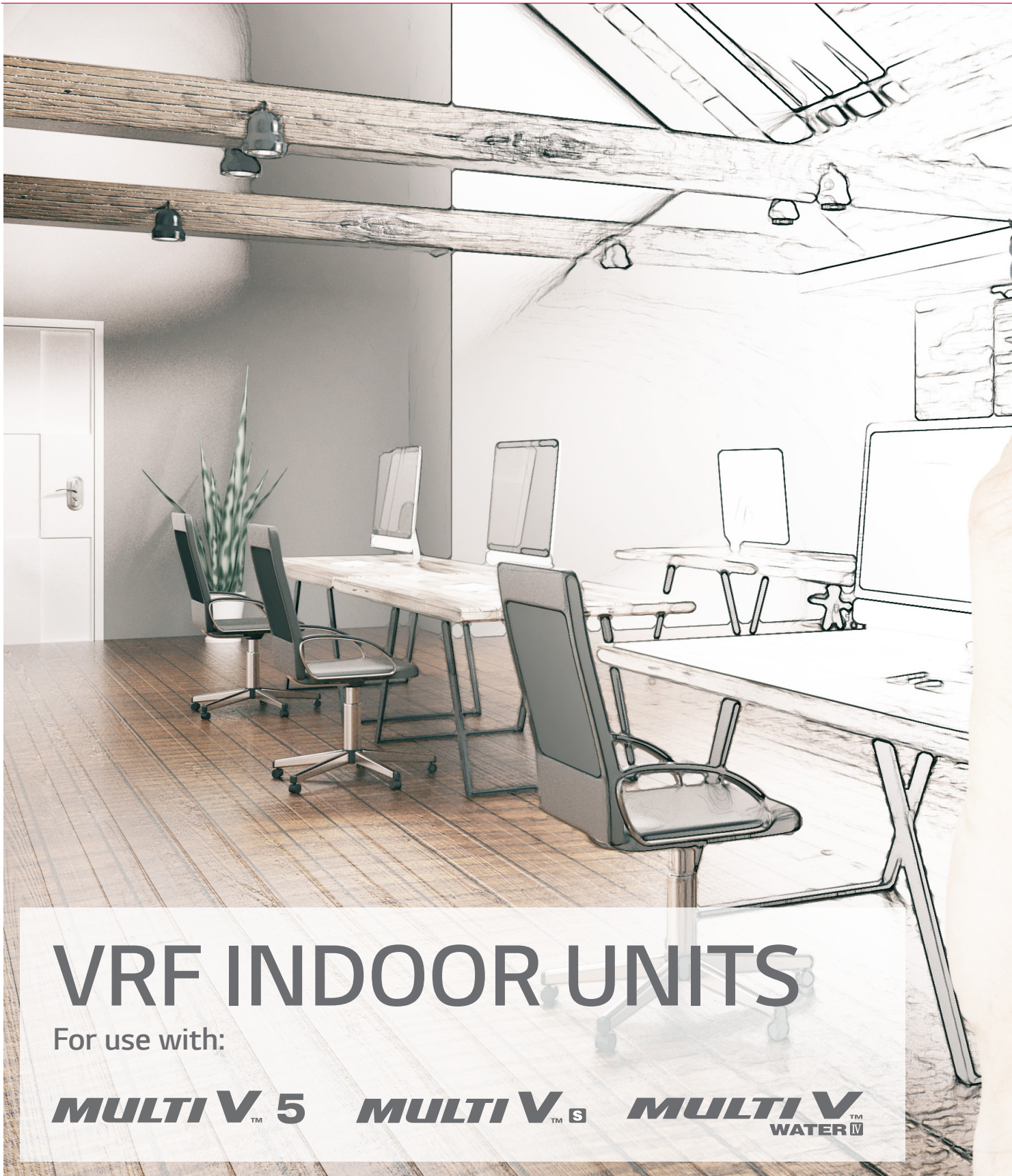
The LG US Air Conditioning division is headquartered near Atlanta in Alpharetta, Georgia, along with a full training academy. Additional training academies are located in California, Texas and New Jersey. Since 2008, our academies have trained thousands on the advantages of LG air conditioning systems, 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 training 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.



# VRF INDOOR UNITS

For use with:

**MULTI V<sup>TM</sup> 5**

**MULTI V<sup>TM</sup> S**

**MULTI V<sup>TM</sup>  
WATER IV**



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## INDOOR UNITS

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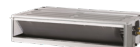
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# OUTDOOR UNIT Lineup

System Type		Frames	2	3	4	5	6	8	10	12		
Air Source	<b>Multi V™ 5</b> <b>LGRED°</b> <small>Powerful Heat Technology</small> <small>RELIABLE TO EXTREME DEGREES</small>	<ul style="list-style-type: none"> <li>Heat Pump and Heat Recovery in the same chassis</li> </ul>						●	●	●	●	
		<ul style="list-style-type: none"> <li>Available in 208-230V and 460V</li> </ul>										
												
Air Source	<b>Multi V™ S</b> <b>LGRED°</b> <small>Powerful Heat Technology</small> <small>RELIABLE TO EXTREME DEGREES</small>	<ul style="list-style-type: none"> <li>Heat Pump and Heat Recovery in the same chassis</li> <li>Single-Phase Power</li> </ul>		●	●	●	●					
		<ul style="list-style-type: none"> <li>Heat Pump and Heat Recovery in the same chassis</li> <li>Single-Phase Power</li> </ul>			●	●						
Water Source	<b>Multi V™ Water IV 208-230V</b> <b>LGRED°</b> <small>Powerful Heat Technology</small> <small>RELIABLE TO EXTREME DEGREES</small>	<ul style="list-style-type: none"> <li>Heat Pump or Heat Recovery Systems</li> </ul>						●	●	●	●	
												
												
	<b>Multi V™ Water IV 460V</b> <b>LGRED°</b> <small>Powerful Heat Technology</small> <small>RELIABLE TO EXTREME DEGREES</small>	<ul style="list-style-type: none"> <li>Heat Pump or Heat Recovery Systems</li> </ul>						●	●	●	●	
												
												



● = Heat Pump  
 ● = Heat Recovery  
 Unit : Tons

14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48
● ●	● ●	● ●	● ●												
				● ●	● ●	● ●	● ●	● ●	● ●	● ●					
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											● ●		● ●		● ●

# INDOOR UNIT Lineup

Chassis		5	7	9	12	15	18
Art Cool™	Gallery 			●	●		
	Mirror 	●	●	●	●	●	●
Standard	Wall Mounted 	●	●	●	●	●	●
Ceiling Cassette	1-Way 		●	●	●		●
	2-Way 						●
	4-Way (2'x2') 	●	●	●	●	●	●
	4-Way (3'x3') 		●	●	●	●	●
Ceiling Suspended	Ceiling Mounted 						●
Ceiling Concealed Duct	Low Static 		●	●	●	●	●
	Mid Static 		●	●	●	●	●
	High Static 		●	●	●	●	●
Vertical AHU	Vertical / Horizontal 				●		●
Floor Standing	With Case 		●	●	●	●	●
	Without Case 		●	●	●	●	●



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

24	28	30	36	42	48	54	76	96
●								
●		●	●					
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# ART COOL™ GALLERY

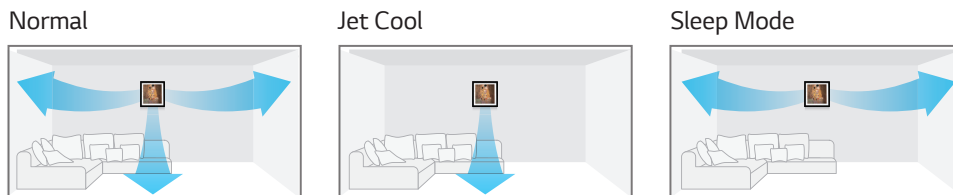


ARNU\*\*\*SFA4

Specifications		Unit	093SF	123SF
Chassis			SF	SF
Capacity	Cooling	Btu/h	9,600	12,300
	Heating	Btu/h	10,900	13,600
Power Input	Cooling	Watts	35	35
	Heating	Watts	35	35
Power Supply		V, Hz, Ø	208/230, 60, 1	208/230, 60, 1
Dimensions (W × H × D)	Body	inches	23-5/8 × 23-5/8 × 5-3/4	23-5/8 × 23-5/8 × 5-3/4
Weight	Body	lbs	33	33
Sound Pressure (H / M / L)		dBA	38 / 32 / 27	44 / 38 / 32
Air Flow Rate, Standard Mode (H / M / L)		CFM	286 / 22 / 148	328 / 272 / 212

## Digital Airflow Control

The airflow can be controlled to ensure maximum comfort and convenience.



## Customizable Picture Frame

With LG's revolutionary Art Cool Gallery, you can change the look of your air conditioner to whatever you want, whenever you want.



## Accessories

Description	Model
Wi-Fi Module	PWFMDD200

Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# ART COOL™ MIRROR



ARNU\*\*\*\*\*R4

Specifications		Unit	053SJ	073SJ	093SJ	123SJ	153SJ	183SK	243SK
Chassis			SJ	SJ	SJ	SJ	SJ	SK	SK
Capacity	Cooling	Btu/h	5,500	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	6,100	8,500	10,900	13,600	17,100	21,500	25,600
Power Input	Cooling	Watts	11	21	21	21	21	39.5	39.5
	Heating	Watts	11	12	13	15	23	32	39
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	208/230, 60, 1	208/230, 60, 1
Dimensions (W × H × D)		Body inches	32-5/16 x 12-1/8 x 7-9/16	32-5/16 x 12-1/8 x 7-9/16	32-5/16 x 12-1/8 x 7-9/16	32-5/16 x 12-1/8 x 7-9/16	32-5/16 x 12-1/8 x 7-9/16	39-5/16 x 13-9/16 x 3-3/8	39-5/16 x 13-9/16 x 3-3/8
Weight	Net	lbs	20.2	20.2	20.2	20.2	20.2	29.5	29.5
	Shipping	lbs	27.7	27.7	27.7	27.7	27.7	38.8	38.8
Sound Pressure (H / M / L)		dBA	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32	43 / 39 / 34	46 / 41 / 34
Air Flow Rate, Standard Mode (H / M / L)		CFM	240 / 230 / 208	254 / 240 / 208	275 / 254 / 208	300 / 254 / 240	371 / 336 / 240	494 / 424 / 371	537 / 449 / 371

## Accessories

Description	Model
Auxiliary Heat Kit	PRARS1
Wi-Fi Module	PWFMD200

Note:

- Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org)
- Max. power input is rated at maximum setting value.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Due to our commitment to continued innovation, some specifications may be changed without notification.



# STANDARD WALL MOUNTED



ARNU\*\*\*\*A4

Specifications	Unit	053SJ	073SJ	093SJ	123SJ	153SJ	183SK	243SK	
Chassis		SJ	SJ	SJ	SJ	SJ	SK	SK	
Capacity	Cooling	Btu/h	5,500	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	6,100	8,500	10,900	13,600	17,100	21,500	25,600
Power Input	Cooling	Watts	11	21	21	21	21	39.5	39.5
	Heating	Watts	11	12	13	15	23	32	39
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	208/230, 60, 1	208/230, 60, 1	
Dimensions (W × H × D)	Body	inches	32-3/16 x 12-7/16 x 7-7/16	32-3/16 x 12-7/16 x 7-7/16	32-3/16 x 12-7/16 x 7-7/16	32-3/16 x 12-7/16 x 7-7/16	32-3/16 x 12-7/16 x 7-7/16	38-1/8 x 13-15/16 x 8-1/4	38-1/8 x 13-15/16 x 8-1/4
Weight	Net	lbs	18.5	18.5	18.5	18.5	18.5	26.9	26.9
	Shipping	lbs	24.9	24.9	24.9	24.9	24.9	35.3	35.3
Sound Pressure (H / M / L)	dBA		30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32	43 / 39 / 34	46 / 41 / 34
Air Flow Rate, Standard Mode (H / M / L)	CFM		240 / 230 / 208	254 / 240 / 208	275 / 254 / 208	300 / 254 / 240	371 / 336 / 240	494 / 424 / 371	537 / 449 / 371



ARNU\*\*\*\*A4

Specifications	Unit	303SV	363SV	
Chassis		SV	SV	
Capacity	Cooling	Btu/h	30,000	35,500
	Heating	Btu/h	32,000	37,000
Power Input	Cooling	Watts	67	104
	Heating	Watts	67	104
Power Supply	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	
Dimensions (W × H × D)	Body	inches	46-27/32 x 10-7/16 x 13-5/8	46-27/32 x 10-7/16 x 13-5/8
Weight	Net	lbs	37	37
	Shipping	lbs	48	48
Sound Pressure (H / M / L)	dBA		49 / 44 / 42	52 / 47 / 43
Air Flow Rate, Standard Mode (H / M / L)	CFM		812 / 706 / 600	918 / 812 / 671

## Accessories

Description	Model
Auxiliary Heat Kit	PRARS1
Wi-Fi Module	PWFMD200

Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# 1-WAY CASSETTE AND 2-WAY CASSETTE



ARNU \*\*\*TUD4  
ARNU \*\*\*TTD4



ARNU\*\*\*TSA4

Specifications		Unit	073TU	093TU	123TU	183TT	243TT	183TS	243TS
Chassis			TU	TU	TU	TT	TT	TS	TS
Capacity	Cooling	Btu/h	7,500	9,600	12,300	19,100	24,200	19,100	24,200
	Heating	Btu/h	8,500	10,900	13,600	21,500	24,200	21,500	27,300
Power Input	Cooling	Watts	40	40	40	70	70	19	31
	Heating	Watts	40	40	40	70	70	19	31
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	208/230, 60, 1	208/230, 60, 1
Dimensions (W x H x D)	Body	inches	33-7/8 x 17-3/4 x 6-11/16	33-7/8 x 17-3/4 x 6-11/16	33-7/8 x 17-3/4 x 6-11/16	46-1/2 x 17-3/4 x 6-7/8	46-1/2 x 17-3/4 x 6-7/8	32-11/16 x 23-5/8 x 8-7/8	32-11/16 x 23-5/8 x 8-7/8
	Grille	inches	43-5/16 x 19-3/4 x 1-3/8	43-5/16 x 19-3/4 x 1-3/8	43-5/16 x 19-3/4 x 1-3/8	55-15/16 x 19-3/4 x 1-3/8	55-15/16 x 19-3/4 x 1-3/8	43-5/16 x 27-3/16 x 1-1/8	43-5/16 x 27-3/16 x 1-1/8
Unit Weight	Net	lbs	33	33	33	42	42	39.9	39.9
	Shipping	lbs	40	40	40	13	13	10.3	10.3
Grille Weight	Net	lbs	10	10	10	13	13	10.3	10.3
	Shipping	lbs	10	10	10	20	20	14.3	14.3
Sound Pressure (H / M / L)		dBA	32 / 29 / 25	35 / 34 / 32	38 / 35 / 32	40 / 37 / 35	43 / 40 / 36	35 / 33 / 31	48 / 45 / 40
Air Flow Rate, Standard Mode (H / M / L)		CFM	290 / 258 / 226	325 / 304 / 290	353 / 325 / 290	470 / 427 / 385	515 / 470 / 406	417 / 381 / 348	512 / 438 / 364
Grille			PT-UUC1	PT-UUC1	PT-UUC1	PT-UTC	PT-UTC	PT-USC	PT-USC

## Accessories

Description	Model
Grille for 1-Way Cassette, TU Chassis	PT-UUC1
Grille for 1-Way Cassette, TT Chassis	PT-UTC
Grille for 2-Way Cassette, TS Chassis	PT-USC
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

### Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# 4-WAY CASSETTE (2x2)



ARNU\*\*\*\*\*D4

Specifications		Unit	053TR	073TR	093TR	123TR	153TQ	183TQ
Chassis			TR	TR	TR	TR	TQ	TQ
Capacity	Cooling	Btu/h	5,500	7,500	9,600	12,300	15,400	19,100
	Heating	Btu/h	6,100	8,500	10,900	13,600	17,100	21,500
Power Input	Cooling	Watts	30	30	30	30	30	30
	Heating	Watts	30	30	30	30	30	30
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	208/230, 60, 1
Dimensions (W x H x D)	Body	inches	22-7/16 x 22-7/16 x 8-7/16	22-7/16 x 22-7/16 x 8-7/16	22-7/16 x 22-7/16 x 8-7/16	22-7/16 x 22-7/16 x 8-7/16	22-7/16 x 22-7/16 x 10-3/32	22-7/16 x 22-7/16 x 10-3/32
	Grille	inches	24-7/16 x 24-7/16 x 1-5/16	24-7/16 x 24-7/16 x 1-5/16	24-7/16 x 24-7/16 x 1-5/16	24-7/16 x 24-7/16 x 1-5/16	24-7/16 x 24-7/16 x 1-5/16	24-7/16 x 24-7/16 x 1-5/16
Unit Weight	Net	lbs	29	29	32	32	35	35
	Shipping	lbs	34	34	38	38	40	40
Grille Weight	Net	lbs	7	7	7	7	7	7
	Shipping	lbs	11	11	11	11	11	11
Sound Pressure (H / M / L)		dBA	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27	36 / 34 / 32	37 / 35 / 34
Air Flow Rate, Standard Mode (H / M / L)		CFM	265 / 247 / 212	265 / 247 / 212	283 / 265 / 251	307 / 283 / 247	388 / 353 / 328	396 / 388 / 353
Grille			PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0	PT-QCHW0

## Accessories

Description	Model
Ventilation Kit	PTVK430
Grille (True 2 x2)	PT-QCHW0
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.



# 4-WAY CASSETTE (3x3)



ARNU\*\*\*\*\*4

Specifications		Unit	073TNA	093TNA	123TNA	153TNA	183TNA
Chassis			TN	TN	TN	TN	TN
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500
Power Input	Cooling	Watts	144	144	144	144	144
	Heating	Watts	144	144	144	144	144
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
Dimensions (W x H x D)	Body	inches	33-1/16 x 33-1/16 x 9-11/16	33-1/16 x 33-1/16 x 9-11/16	33-1/16 x 33-1/16 x 9-11/16	33-1/16 x 33-1/16 x 9-11/16	33-1/16 x 33-1/16 x 9-11/16
	Grille	inches	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16
Unit Weight	Net	lbs	53.6	53.6	53.6	53.6	53.6
	Shipping	lbs	66.1	66.1	66.1	66.1	66.1
Grille Weight	Net	lbs	13	13	13	13	13
	Shipping	lbs	20	20	20	20	20
Sound Pressure (H / M / L)		dB(A)	29 / 26 / 24	29 / 26 / 24	31 / 29 / 26	32 / 29 / 26	34 / 30 / 26
Air Flow Rate, Standard Mode (H / M / L)		CFM	459 / 424 / 388	477 / 424 / 388	494 / 459 / 424	530 / 459 / 424	565 / 530 / 424
Grille			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1

Specifications		Unit	243TNA	283TMA	363TMA	423TMC	483TMC
Chassis			TN	TM	TM	TM	TM
Capacity	Cooling	Btu/h	24,200	28,000	36,200	42,000	48,100
	Heating	Btu/h	27,300	31,500	40,600	43,800	51,200
Power Input	Cooling	Watts	144	144	144	144	144
	Heating	Watts	144	144	144	144	144
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
Dimensions (W x H x D)	Body	inches	33-1/16 x 33-1/16 x 9-11/16	33-1/16 x 33-1/16 x 11-5/16	33-1/16 x 33-1/16 x 11-5/16	33-1/16 x 33-1/16 x 11-5/16	33-1/16 x 33-1/16 x 11-5/16
	Grille	inches	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16
Unit Weight	Net	lbs	53.6	58.4	58.4	59	59
	Shipping	lbs	66.1	70.5	70.5	69	69
Grille Weight	Net	lbs	13	13	13	13	13
	Shipping	lbs	20	20	20	20	20
Sound Pressure (H / M / L)		dB(A)	40 / 38 / 35	41 / 39 / 35	44 / 41 / 37	45 / 41 / 38	46 / 42 / 40
Air Flow Rate, Standard Mode (H / M / L)		CFM	742 / 671 / 600	812 / 741 / 635	918 / 812 / 706	1,059 / 918 / 812	1,130 / 953 / 883
Grille			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	P-UMC1

## Accessories

Description	Model
Grille	PT-UMC1
Auto Elevation Grille	PTEGMO
Ventilation Kit	PTVK410 and PTVK420 or PTVK430
Cassette Cover	PTDCM
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

Note:  
 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](http://www.ahridirectory.org)  
 2. Max. power input is rated at maximum setting value.  
 3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.  
 4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# CEILING SUSPENDED



ARNU\*\*\*\*\*A4

Specifications		Unit	ARNU183V1A4	ARNU243V1A4	ARNU363V2A4	ARNU483V2A4
Chassis			V1	V1	V2	V2
Capacity	Cooling	Btu/h	19,100	24,200	36,200	48,100
	Heating	Btu/h	21,500	27,300	40,600	51,200
Power Input	Cooling	Watts	130	130	184	184
	Heating	Watts	130	130	184	184
Power Supply		V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
Dimensions (W × H × D)		Body	47-1/4 × 9-1/4 × 27-3/16	47-1/4 × 9-1/4 × 27-3/16	63 × 9-1/4 × 27-5/32	63 × 9-1/4 × 27-5/32
Unit Weight	Net	lbs	64	64	82	82
	Shipping	lbs	79	79	100	100
Sound Pressure (H / M / L)		dBA	36 / 34 / 33	37 / 35 / 33	45 / 44 / 41	47 / 44 / 41
Air Flow Rate (H / M / L)		CFM	477 / 441 / 424	495 / 459 / 424	954 / 848 / 706	1,024 / 848 / 706

## Accessories

Description	Model
Ventilation Kit	PTVK430
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

Note :

1. 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 cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable and national code.
5. If the temperature rise above 86 °F or the humidity rise above RH 80%, "the dew-protective kit should be equipped or use additional insulation to the indoor unit body."

# VERTICAL AHU



ARNU\*\*\*\*\*A4

Specifications		Unit	123NJ	183NJ	243NJ	303NJ	363NJ	423NK	483NK	543NK
Chassis			NJ	NJ	NJ	NJ	NJ	NK	NK	NK
Capacity	Cooling	Btu/h	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000
	Heating	Btu/h	13,500	20,000	27,000	34,000	40,000	46,000	54,000	60,000
Power Input		Watts	228	228	228	228	228	366	366	366
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	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
Dimensions (W x H x D)	Body	inches	18x21-1/4 x48-11/16	18x21-1/4 x48-11/16	18x21-1/4 x48-11/16	18x21-1/4 x48-11/16	18x21-1/4 x48-11/16	25x21-1/4 x55-3/16	25x21-1/4 x55-3/16	25x21-1/4 x55-3/16
	Net	lbs	117	117	117	117	121	165	165	165
Weight		Shipping	lbs	140	140	140	144	181	181	181
Sound Pressure (H / M / L)		dBa	42 / 41 / 39	42 / 42 / 41	43 / 42 / 41	44 / 43 / 42	45 / 44 / 43	46 / 44 / 41	49/47/41	50/49/47
Air Flow Rate, Standard Mode (H / M / L)		CFM	530 / 480 / 380	580 / 530 / 480	710 / 640 / 480	880 / 800 / 630	990 / 880 / 800	1,250/1,100/1,000	1,400/1,260/1,000	1,475/1,400/1,260
External Static Pressure, Standard Mode		in wg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Air Flow Rate, High Mode (H / M / L)		CFM	530 / 480 / 380	580 / 530 / 480	710 / 640 / 480	880 / 800 / 630	990 / 880 / 800	1,250/1,100/1,000	1,400/1,260/1,000	1,475/1,400/1,260
External Static Pressure, High Mode		in wg	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
ESP Range (Min/Max)		in wg	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0

## Accessories

Description	Model
3 kW Heat Kit	ANEH033B1
5 kW Heat Kit	ANEH053B1
8 kW Heat Kit	ANEH083B2
10 kW Heat Kit	ANEH103B2
15 kW Heat Kit	ANEH153B2
20 kW Heat Kit	ANEH203B2
Auxiliary Heat Kit	PRARH1

Note :

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# LOW STATIC DUCTED



ARNU\*\*\*\*\*G4

Specifications	Unit	073L1	093L1	123L2	153L2	183L2	243L3	
Chassis		L1	L1	L2	L2	L2	L3	
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,000
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input		Watts	40	40	85	85	85	115
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	208/230, 60, 1
Dimensions (W × H × D)	Body	inches	30-1/2x27-9/16x7-1/2	30-1/2x27-9/16x7-1/2	38-3/8x27-9/16x7-1/2	38-3/8x27-9/16x7-1/2	38-3/8x27-9/16x7-1/2	46-1/4x27-9/16x7-1/2
Weight	Net	lbs	38.6	38.6	50.7	50.7	50.7	59.5
	Shipping	lbs	47.4	47.4	60.6	60.6	60.6	68.3
Sound Pressure (H / M / L)		dBa	27 / 26 / 23	30 / 26 / 23	31 / 29 / 26	34 / 31 / 29	36 / 34 / 31	39 / 35 / 32
Air Flow Rate, Standard Mode (H/M/L)		CFM	270 / 230 / 200	320 / 250 / 200	360 / 310 / 250	450 / 360 / 310	530 / 450 / 360	710 / 570 / 430
External Static Pressure, Standard Mode		in wg	0	0	0	0	0	0
Air Flow Rate, High Mode (H / M / L)		CFM	270 / 230 / 200	320 / 250 / 200	360 / 310 / 250	450 / 360 / 310	530 / 450 / 360	710 / 570 / 430
External Static Pressure, High Mode		in wg	0.1	0.1	0.1	0.1	0.1	0.1
ESP Range (Min/Max)		in wg	0 - 0.19	0 - 0.19	0 - 0.19	0 - 0.19	0 - 0.19	0 - 0.19

## Accessories

Description	Model
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.



# MID STATIC DUCTED



ARNU\*\*\*\*\*A4 (M1, M2 & M3 Models)

Specifications		Unit	073M1	93M1	123M1	153M1	183M1	243M1
Chassis			M1	M1	M1	M1	M1	M1
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input		Watts	190	190	190	190	190	190
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	208/230, 60, 1
Dimensions (W x H x D)		Body	inches	35-1/2 x 10-19/32 x 28-11/32	35-1/2 x 10-19/32 x 28-11/32	35-1/2 x 10-19/32 x 28-11/32	35-1/2 x 10-19/32 x 28-11/32	35-1/2 x 10-19/32 x 28-11/32
Weight	Net	lbs	56.0	56.0	56.0	56.0	56.0	59.0
	Shipping	lbs	67.0	67.0	67.0	67.0	67.0	70.0
Sound Pressure @ 0.24" ESP (H/M/L)		dBA	27 / 24 / 23	27 / 25 / 23	28 / 25 / 23	30 / 27 / 24	32 / 29 / 27	33 / 30 / 28
Air Flow Rate, Standard Mode (H/M/L)		CFM	372 / 315 / 257	385 / 329 / 272	399 / 344 / 286	593 / 413 / 344	606 / 493 / 413	641 / 592 / 493
External Static Pressure, Standard Mode		in wg	0.10	0.10	0.10	0.10	0.10	0.10
Air Flow Rate, High Mode (H/M/L)		CFM	361 / 279 / 211	376 / 296 / 229	392 / 328 / 262	570 / 392 / 328	638 / 556 / 392	703 / 638 / 556
External Static Pressure, High Mode		in wg	0.24	0.24	0.24	0.24	0.24	0.24
ESP Range (Min/Max)		in wg	0.10 - 0.59	0.10 - 0.59	0.10 - 0.59	0.10 - 0.59	0.10 - 0.59	0.10 - 0.59

Specifications		Unit	283M2	363M2	423M2	483M3	543M3	
Chassis			M2	M2	M2	M3	M3	
Capacity	Cooling	Btu/h	28,000	36,200	42,000	48,100	54,000	
	Heating	Btu/h	31,500	40,600	47,000	54,200	61,400	
Power Input		Watts	430	430	430	650	650	
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	
Dimensions (W x H x D)		Body	inches	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-1/4 x 14-3/16 x 27-3/16	49-1/4 x 14-3/16 x 27-3/16
Weight	Net	lbs	86.2	86.2	86.2	96.1	96.1	
	Shipping	lbs	99.2	99.2	99.2	110	110	
Sound Pressure @ 0.24" ESP (H/M/L)		dBA	40 / 39 / 37	42 / 40 / 38	44 / 43 / 40	42 / 39 / 37	44 / 43 / 42	
Air Flow Rate, Standard Mode (H/M/L)		CFM	892 / 770 / 645	1,021 / 844 / 695	1,262 / 1,087 / 917	1,457 / 1,189 / 952	1,720 / 1,558 / 1,424	
External Static Pressure, Standard Mode		in wg	0.20	0.20	0.20	0.19	0.19	
Air Flow Rate High Mode (H/M/L)		CFM	845 / 676 / 528	1,031 / 845 / 676	1,260 / 1,076 / 888	1,482 / 1,191 / 918	1,744 / 1,614 / 1,482	
External Static Pressure, High Mode		in wg	0.24	0.24	0.24	0.23	0.23	
ESP Range (Min/Max)		in wg	0.16 - 0.71	0.16 - 0.71	0.16 - 0.71	0.16 - 0.79	0.16 - 0.79	

## Accessories

Description	Model
Auxiliary Heat Kit	PRARH1
High-Capacity Filter Box for M1 MSD Chassis	ZFBXM101A
High-Capacity Filter Box for M2 HSD / MSD Chassis	ZFBXM201A
High-Capacity Filter Box for M3 HSD / MSD Chassis	ZFBXM301A
Wi-Fi Module	PWFMD200

Note:

- Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org)
- Max. power input is rated at maximum setting value.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

# HIGH STATIC DUCTED



ARNU\*\*\*\*\*A4 (M2 & M3 Models)



ARNU\*\*\*\*\*A4 (B8 Models)

Specifications		Unit	073M2	093M2	123M2	153M2	183M2	243M2
Chassis			M2	M2	M2	M2	M2	M2
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input		Watts	430	430	430	430	430	430
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	208/230, 60, 1
Dimensions (W x H x D)	Body	inches	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4	49-9/32 x 10-11/16 x 27-1/4
Weight	Net	lbs	82.9	82.9	82.9	82.9	82.9	82.9
	Shipping	lbs	95.5	95.5	95.5	95.5	95.5	95.5
Sound Pressure @ 0.24" ESP (H / M / L)		dBa	38 / 37 / 36	38 / 38 / 36	38 / 38 / 36	38 / 38 / 36	39 / 38 / 37	39 / 38 / 37
Air Flow Rate, Standard Mode (H/M/L)		CFM	477 / 399 / 327	477 / 399 / 327	520 / 435 / 363	520 / 435 / 363	640 / 520 / 435	640 / 520 / 435
External Static Pressure, Standard Mode		in wg	0.20	0.20	0.20	0.20	0.20	0.20
Air Flow Rate, High Mode (H / M / L)		CFM	468 / 381 / 294	468 / 381 / 294	512 / 425 / 337	512 / 425 / 337	673 / 512 / 425	673 / 512 / 425
External Static Pressure, High Mode		in wg	0.24	0.24	0.24	0.24	0.24	0.24
ESP Range (Min/Max)		in wg	0.16 - 0.71	0.16 - 0.71	0.16 - 0.71	0.16 - 0.71	0.16 - 0.71	0.16 - 0.71

Specifications		Unit	283M3	363B8	423B8	483B8	763B8	963B8
Chassis			M3	B8	B8	B8	B8	B8
Capacity	Cooling	Btu/h	28,000	36,200	42,000	48,100	76,400	95,900
	Heating	Btu/h	31,500	40,600	43,800	51,200	86,000	107,500
Power Input		Watts	650	800	800	800	800	800
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	208/230, 60, 1
Dimensions (W x H x D)	Body	inches	49-1/4 x 14-3/16 x 27-3/16	61-1/2 x 27-1/8 x 18-1/8	61-1/2 x 27-1/8 x 18-1/8	61-1/2 x 27-1/8 x 18-1/8	61-1/2 x 27-1/8 x 18-1/8	61-1/2 x 27-1/8 x 18-1/8
Weight	Net	lbs	96.1	192	192	192	192	192
	Shipping	lbs	110	222	222	222	222	222
Sound Pressure @ 0.24" ESP (H/M/L)		dBa	40 / 39 / 37	46 / 45 / 42	47 / 46 / 43	47 / 46 / 44	50 / 48 / 48	52 / 50 / 50
Air Flow Rate, Standard Mode (H/M/L)		CFM	1,235 / 1,060 / 915	1,896/1,748/1,550	1,963/1,786/1,589	2,048/1,846/1,670	2,050/1,766/1,766	2,684/2,260/2,260
External Static Pressure, Standard Mode		in wg	0.19	0.35	0.35	0.35	0.59	0.59
Air Flow Rate, High Mode (H / M / L)		CFM	1,250 / 1,017 / 837	1,730/1,317/1,066	1,914/1,458/1,123	2,019/1,518/1,200	2,260/1,766/1,766	2,542/2,260/2,260
External Static Pressure, High Mode		in wg	0.23	0.70	0.70	0.7	0.87	0.87
ESP Range (Min/Max)		in wg	0.16 - 0.79	0.35 - 0.98	0.35 - 0.98	0.35 - 0.98	0.47 - 0.98	0.47 - 0.98

## Accessories

Description	Model
Auxiliary Heat Kit	PRARH1
High-Capacity Filter Box for B8 HSD Chassis	ZFBXB801A
High-Capacity Filter Box for M1 MSD Chassis	ZFBXM101A
High-Capacity Filter Box for M2 HSD / MSD Chassis	ZFBXM201A
High-Capacity Filter Box for M3 HSD / MSD Chassis	ZFBXM301A
Wi-Fi Module	PWFMDD200

Note:

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](http://www.ahridirectory.org)
2. Max. power input is rated at maximum setting value.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our commitment to continued innovation, some specifications may be changed without notification.

# FLOOR STANDING UNIT



-A : Floor-Standing with case

-U : Floor-Standing without case

ARNU\*\*\*\*\*4

Specifications		Unit	073CEA	093CEA	123CEA	153CEA	183CFA	243CFA
Chassis			CE	CE	CE	CE	CF	CF
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input		Watts	85	85	85	85	115	115
Power Supply		V, Hz, Ø	208/230, 60, 1	2208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
Dimensions (W × H × D)		Body	inches	42 × 25 × 8	42 × 25 × 8	42 × 25 × 8	42 × 25 × 8	53 × 25 × 8
Weight	Net	lbs	59.5	59.5	59.5	59.5	75	75
	Shipping	lbs	68.3	68.3	68.3	68.3	86	86
Sound Pressure (H / M / L)		dBa	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Air Flow Rate, High Mode (H / M / L)		CFM	300 / 265 / 229	335 / 300 / 265	371 / 335 / 300	406 / 353 / 335	565 / 494 / 424	635 / 565 / 494
External Static Pressure, High Mode		in wg	0	0	0	0	0	0

Specifications		Unit	073CEU	093CEU	123CEU	153CEU	183CFU	243CFU
Chassis			CE	CE	CE	CE	CF	CF
Capacity	Cooling	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input		Watts	85	85	85	85	115	115
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	208/230, 60, 1
Dimensions (W × H × D)		Body	inches	38-1/2 × 25-3/16 × 8	38-1/2 × 25-3/16 × 8	38-1/2 × 25-3/16 × 8	38-1/2 × 25-3/16 × 8	49-7/16 × 25-3/16 × 7-1/2
Weight	Net	lbs	46.3	46.3	46.3	46.3	58.4	58.4
	Shipping	lbs	56.2	56.2	56.2	56.2	68.3	68.3
Sound Pressure (H / M / L)		dBa	35 / 33 / 31	36 / 34 / 32	37 / 35 / 33	38 / 37 / 35	40 / 37 / 34	43 / 40 / 37
Air Flow Rate, High Mode (H / M / L)		CFM	300 / 265 / 229	335 / 300 / 265	371 / 335 / 300	406 / 353 / 335	565 / 494 / 424	635 / 565 / 494
ESP Range (Min/Max)		in wg	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.2	0 - 0.24	0 - 0.24

## Accessories

Description	Model
Auxiliary Heat Kit	PRARH1
Wi-Fi Module	PWFMD200

### Note:

- Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org)
- Max. power input is rated at maximum setting value.
- Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Due to our commitment to continued innovation, some specifications may be changed without notification.

# HYDRO KIT



**ARNH423K2A4  
ARNH963K2A4**

	Specifications	Unit	ARNH423K2A4	ARNH963K2A4
Cooling Mode Performance	Rated Capacity <sup>1</sup>	Btu/h	42,100	95,900
	Entering Water Temp Range	°F	50-96	50-96
	Leaving Water Temp Range	°F	41-77	41-77
	Indoor Air Temp Setpoint Range	°F	64-86	64-86
Heating Mode Performance	Rated Capacity <sup>1</sup>	Btu/h	47,200	170,500
	Entering Water Temp Range	°F	59-113	59-113
	Leaving Water Temp Range	°F	68-122	68-122
	Indoor Air Temp Setpoint Range	°F	64-86	64-86
	Hot Water Tank Setpoint Range	°F	86-122	86-122
Unit Data	Refrigerant Type		R410A	R410A
	Refrigerant Control		EEV	EEV
	Sound Pressure <sup>2</sup>	dB(A)	26	26
	Net Unit Weight	lbs	67	77
	Shipping Weight	lbs	79	89
	Dimensions (W × H × D)		20-1/2 × 24-13/16 × 15-7/8	20-1/2 × 24-13/16 × 15-7/8
	Heat Rejected to Equipment Room	Btu/h	Negligible	Negligible
	Oil Type		-	-
Heat Exchanger	Material/Type		316 Stainless/Brazed Plate	316 Stainless/Brazed Plate
	Rated Water Flow	GPM	10.4	24.3
	Rated Pressure Drop <sup>3</sup>	ft-wg	13.7	23.1
	Range of Flow	GPM	5.3-10.4	8-24.3
	Waterside Volume	US Gallons	0.31	0.58
	Waterside Design Pressure	psig	640	640
Piping	Liquid Line (OD)	inches	3/8 Braze	3/8 Braze
	Vapor Line (OD)	inches	5/8 Braze	7/8 Braze
	Condensate Line (ID)	inches	1-MPT	1-MPT
	Water Inlet/Outlet (ID)	inches	1-MPT	1-MPT
Electrical Data	MCA	A	0.1	0.1
	MOP	A	15	15
	Rated Amps	A	0.08	0.08
	Power Supply	V / Hz / Ø	208-230/60/1	208-230/60/1
	Power Input (Cooling/Heating)	Watts	0.01/0.01	0.01/0.01

1. All capacities are net, with a combination ratio between 95 and 100%.

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

3. Water only (no antifreeze).

The combination ratio range for dedicated use (all Hydro Kit units) is 50% - 100%. The combination ratio range for mixed use (Hydro Kit mixed with indoor units) is 50% - 130%.



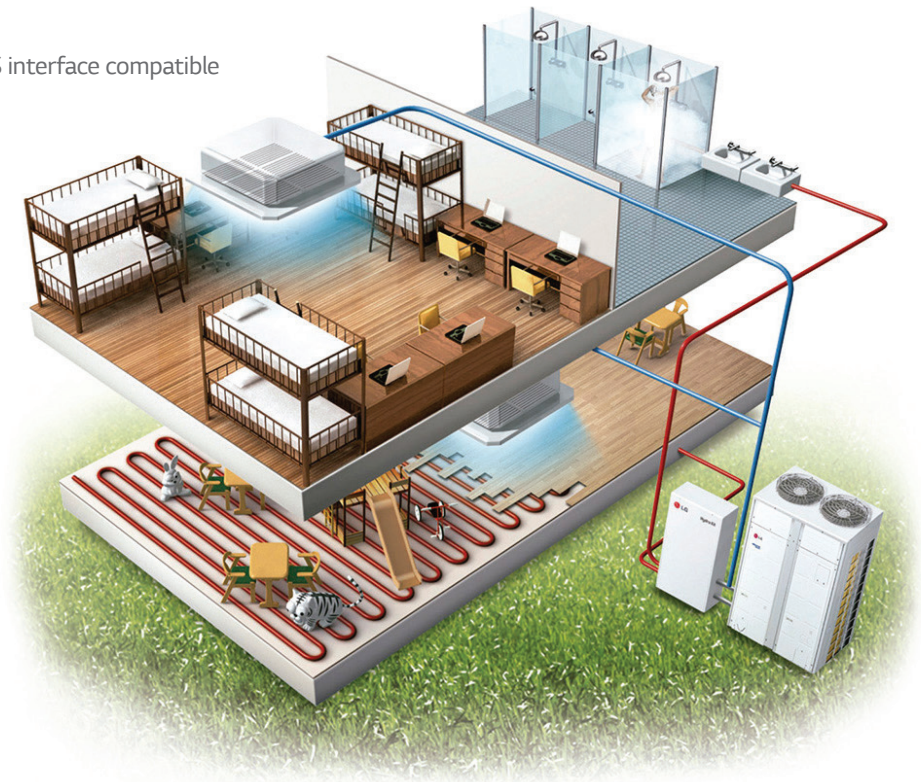
# HYDRO KIT

## How Hydro Kit Works

The Hydro Kit system uses a refrigerant-to-water heat exchanger to produce chilled or heated water. The Hydro Kit can be used to preheat domestic water stored in an indirect storage tank, snow melt, in-floor or other radiant heating systems. Alternatively, the K4 Hydro Kit can supply chilled or heated water for use with two-pipe fan coils. The LG Hydro Kit may be used with LG Multi V 5, Multi V Water IV, and Multi V S systems.

## Features & Benefits

- Provides hot water and floor heating with less energy consumption than a boiler
- No exhaust or exhaust piping required
- Compact and easy to install
- LG Central controller and BMS interface compatible
- Flexible design options



## Applications

- Universities
- Offices
- Schools
- Hospitals
- Hotels
- Retail stores
- Restaurants
- Multi-use facilities



# SPLIT ROOFTOP UNIT (RTU)



**ARNU363DDA4  
ARNU483DDA4  
ARNU603DDA4  
ARNU723DDA4**

Specifications		Unit	ARNU363DDA4	ARNU483DDA4	ARNU603DDA4	ARNU723DDA4
Cooling Mode Performance	Rated Capacity	Btu/h	36,000	48,000	60,000	72,000
	Max Power Input <sup>1</sup>	W	640	700	760	770
	L/M/H Power Input at Factory Default	W	110 / 130 / 150	120 / 150 / 260	130 / 250 / 330	140 / 260 / 350
Heating Mode Performance	Rated Capacity	Btu/h	38,000	52,000	71,000	80,000
	Max Power Input <sup>1</sup>	W	640	700	760	770
	L/M/H Power Input at Factory Default	W	110 / 130 / 150	120 / 150 / 260	130 / 250 / 330	140 / 260 / 350
Entering Mixed Air	Cooling Max.	°F WB	76	76	76	76
	Heating Min.	°F DB <sup>2</sup>	59	59	59	59
Unit Data	Refrigerant Type <sup>3</sup>		R410A	R410A	R410A	R410A
	Refrigerant Control		EEV	EEV	EEV	EEV
	Sound Pressure <sup>4</sup> (H / M / L)	dB(A)	66 / 63 / 60	67 / 64 / 61	68 / 65 / 62	69 / 66 / 63
	Net Unit Weight	lbs	430	430	430	430
	Shipping Weight	lbs	470	470	470	470
	Dimensions (W x H x D)		76.7" x 38.9" x 46.7"	76.7" x 38.9" x 46.7"	76.7" x 38.9" x 46.7"	76.7" x 38.9" x 46.7"
	Communication Cable <sup>5</sup>	No. x AWG	2x18	2x18	2x18	2x18
Fan	Type		3D Plug	3D Plug	3D Plug	3D Plug
	Motor		1	1	1	1
	Motor/Drive		1ECM (Electronically Commutated Motor) / Direct			
	Airflow Rate (H / M / L) Standard Mode	CFM	1200 / 1000 / 800	1400 / 1200 / 950	1700 / 1300 / 1000	1800 / 1400 / 1100
	External Static Pressure Standard Mode	in. wg	1.7	1.6	1.5	1.4
	External Static Pressure	in. wg	0.2 - 1.7	0.2 - 1.6	0.2 - 1.5	0.2 - 1.4
Piping	Liquid Line (OD)	inches	3/8 Braze	3/8 Braze	3/8 Braze	3/8 Braze
	High Pressure Vapor Line (OD)	inches	1/2 Braze	1/2 Braze	5/8 Braze	5/8 Braze
	Low Pressure Vapor Line (OD)	inches	5/8 Braze	5/8 Braze	3/4 Braze	3/4 Braze
	Condensate Line (ID)	inches	1, Plain	1, Plain	1, Plain	1, Plain
Filtration	Outdoor	inches	2 Merv8	2 Merv8	2 Merv8	2 Merv8
Electrical Data	MCA	A	7.4	7.8	8.1	8.3
	MOP	A	15	15	15	15
	Rated Amps	A	5.9	6.1	6.4	6.7
	Power Supply	V / Hz / ∅	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
	Power Input (Cooling/Heating)	Watts	640/640	700/700	760/760	770/770

EEV: Electronic Expansion Valve Power wiring is field supplied and must comply with the applicable local and national codes.  
This unit comes with a dry nitrogen charge. Rated capacity is certified under AHRI Standard 1230. Ratings are subject to change without notice.  
Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

1. Max power input is rated at maximum setting value.
2. Low ambient performance with LGRED® heat technology is included in Multi V 5 Air Source Units produced after February 2019.
3. 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.
4. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. All communication cable to be minimum 18 AWG, 2-conductor, twisted, stranded, shielded and must comply with applicable local and national codes. Ensure the communication cable is properly grounded at the main outdoor unit only. Do not ground the ODU-IDU communication cable at any other point.

# ACCESSORIES

## Indoor Accessories



PTEGM0



PTDCM



PT-UMC1



PT-QCHW0



PT-USC



PT-UUC1  
PT-UTC



PTVK410



PTVK420



PTVK430



PRARH1  
PRARS1



HSD Filter Box



ANEH\*\*\*B1  
ANEH\*\*\*B2



PWFMD200

Unit Type	Category	Model	Description	Used with	
Ceiling Cassettes	Cassette Auto Elevation Kit	PTEGM0	Auto Elevation Grille Kit	TN, TM	
	Cassette Cover	PTDCM	Decorative Cover for 4-Way Ceiling Cassette	TN, TM	
	Cassette Grille	PT-UTC	PT-UTC	1-Way Ceiling Cassette Grille	TT
		PT-UUC1	PT-UUC1	1-Way Ceiling Cassette Grille	TU
		PT-USC	PT-USC	2-Way Ceiling Cassette Grille	TS
		PT-QCHW0	PT-QCHW0	4-Way Ceiling Cassette Grille, True 2x2	TQ, TR
		PT-UMC1	PT-UMC1	4-Way Ceiling Cassette Grille	TN, TM
		PTVK410	PTVK410	Ventilation Air Intake Spacer for 4-Way Ceiling Cassette (Requires PTVK420)	TN, TM
	Cassette Ventilation	PTVK420	PTVK420	6" Ø Ventilation Air Connection Flange for 4-Way Ceiling Cassette	TN, TM
		PTVK430	PTVK430	3" Ø Ventilation Air Connection Flange for 4-Way Ceiling Cassette	TQ, TR, TN, TM
Mid and High Static Ducted	HSD Filter Box	ZFBXM101A	High-Capacity Filter Box	M1	
		ZFBXM201A	High-Capacity Filter Box	M2	
		ZFBXM301A	High-Capacity Filter Box	M3	
		ZFBXB801A	High-Capacity Filter Box	B8	
	Air Cleaner	ZFBXD201A	ZFBXD201A	DYNAMIC V8-2VL Low-Profile Air Cleaner	M1/M2/M3/B8
		ZFBXD402A	ZFBXD402A	DYNAMIC V8-4VL Standard-Profile Air Cleaner	M1/M2/M3/B8
	Air Cleaner Media	ZFLT1301A	ZFLT1301A	Air Cleaner Media 4-Pack	M1/M2/M3/B8
		ZFLT1302A	ZFLT1302A	Air Cleaner Media 24-Pack	M1/M2/M3/B8
	Return Air Plenum	ZPLMV201A	ZPLMV201A	2VL Return Air Plenum	M1/M2/M3/B8
		ZPLMV402A	ZPLMV402A	4VL Return Air Plenum	M1/M2/M3/B8
Auxiliary Heat Kit	Ceiling & Wall-Mounted	PRARH1	Auxiliary Heat Kit for Gen 4 Cassettes, Low Static, Mid Static, and High Static Units	B8, L1, L2, L3, M1, M2, M3, NJ, NK, TM, TN, TQ, TR, TS, TT, TU	
		PRARS1	Auxiliary Heat Kit for Wall-Mounted Units	SJ, SK	
	Vertical AHU	ANEH033B1	ANEH033B1	3 kW Electric Heat Kit	NJ, NK
		ANEH053B1	ANEH053B1	5 kW Electric Heat Kit	NJ, NK
		ANEH083B2	ANEH083B2	8 kW Electric Heat Kit	NJ, NK
		ANEH103B2	ANEH103B2	10 kW Electric Heat Kit	NJ (183, 243, 303, 363), NK
		ANEH153B2	ANEH153B2	15 kW Electric Heat Kit	NJ (363), NK
		ANEH203B2	ANEH203B2	20 kW Electric Heat Kit	NJ (363), NK
	Wi-Fi Module	PWFMD200	PWFMD200	Connector to provide Wi-Fi signal for Control operation	B8, CE, CF, L1, L2, L3, M1, M2, M3, NJ, NK, SF, SJ, SK, SV, TT, TU, TS, TM, TN, TQ, TR, V1, V2
		PWYREW000	PWYREW000	Optional 10 meter extension cable for PWFMD200	









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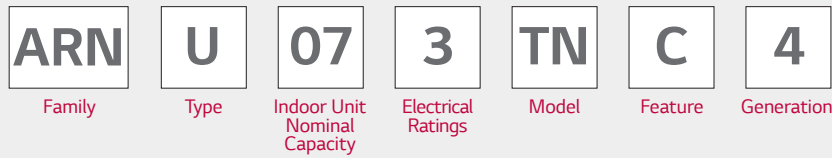
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# UNIT NOMENCLATURE



**Family**                    **ARN**    Multi V Indoor Unit (Refrigerant R410A)

**Type**                     **U**        DC Inverter Heat Pump

Indoor Unit Nominal Capacity	Capacity (Btu/h)
<b>05</b>	5,000 Btu/h
<b>07</b>	7,000 Btu/h
<b>09</b>	9,000 Btu/h
<b>12</b>	12,000 Btu/h
<b>15</b>	15,000 Btu/h
<b>18</b>	18,000 Btu/h
<b>24</b>	24,000 Btu/h
<b>28</b>	28,000 Btu/h
<b>30</b>	30,000 Btu/h
<b>36</b>	36,000 Btu/h
<b>42</b>	42,000 Btu/h
<b>48</b>	48,000 Btu/h
<b>54</b>	54,000 Btu/h
<b>76</b>	76,000 Btu/h
<b>96</b>	96,000 Btu/h

**Electrical Ratings**    **3**        208–230V/60Hz/1Ph

Model	Description
<b>B8</b>	Ducted (High Static)
<b>CE</b>	Floor Standing (Small Frame)
<b>CF</b>	Floor Standing (Large Frame)
<b>L1</b>	Ducted (Low Static)
<b>L2</b>	Ducted (Low Static)
<b>L3</b>	Ducted (Low Static)
<b>M1</b>	Ducted (Mid Static)
<b>M2</b>	Ducted (Mid/High Static)
<b>M3</b>	Ducted (Mid/High Static)
<b>NJ</b>	Vertical/Horizontal Air Handling Unit
<b>NK</b>	Vertical/Horizontal Air Handling Unit
<b>SF</b>	Wall Mounted / Art Cool™ Gallery
<b>SJ</b>	Wall Mounted / Art Cool™ Mirror
<b>SK</b>	Wall Mounted / Art Cool™ Mirror
<b>SV</b>	Wall Mounted
<b>TT</b>	1-Way Ceiling Cassette
<b>TU</b>	1-Way Ceiling Cassette
<b>TS</b>	2-Way Ceiling Cassette
<b>TM</b>	4-Way Ceiling Cassette
<b>TN</b>	4-Way Ceiling Cassette
<b>TQ</b>	4-Way Ceiling Cassette
<b>TR</b>	4-Way Ceiling Cassette
<b>V1</b>	Ceiling Suspended
<b>V2</b>	Ceiling Suspended

**Feature**                    **A, C, L, R, D**    Standard  
**U**                              Uncased  
**G**                              Low Static

**Generation**            **2**        Second  
**4**        Fourth  
**A**        Second, Revision A