LG
Life's Good

MULTI V™

Indoor Units
2016

LG Electronics USA, Inc.
Air Conditioning Systems
4300 North Point Parkway, Alpharetta, GA 30022

www.lghvac.com www.lg-vrf.com

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PC_MultiV_Indoor_Units_01_16

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 $56 billion global force and technology leader in consumer electronics, home appliances and mobile communications. LG Electronics, a proud 2015 ENERGY STAR® Partner of the Year, 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 Systems

The LG Electronics USA Air Conditioning Systems 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.

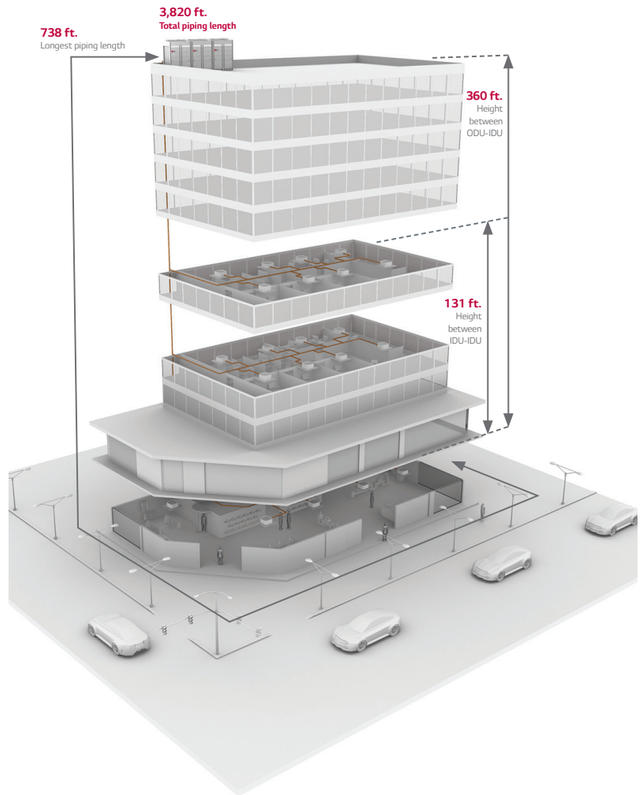
ABOUT LG VRF

Variable refrigerant flow (VRF) technology was introduced as a system to minimize losses found in conventional HVAC systems. LG engineers Multi V systems to minimize or remove ductwork and to eliminate the need for large distribution fans, water pumps and piping, giving back plenum and floor space. The modular design of a VRF system provides exceptional dehumidification and temperature control by rapidly adapting to changing loads and results in superior energy savings by giving occupants the choice to condition only the zones being used. 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.

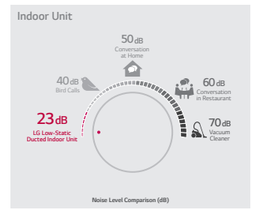
Why LG VRF?

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™ IV



1. Quiet Operation



2. Piping Capabilities

Total Pipe Length	3,820 ft.
Longest	738 ft.
From First Branch	295 ft.
Elevation ODU ⟶ IDU	360 ft.
Elevation IDU ⟶ IDU	131 ft.

*All piping lengths are equivalent.

3. Operation Range

- Heating: -13˚F to 60˚F WB
- Cooling: 14˚F to 122 ˚F DB

LG VRF ADVANTAGES

Efficiency

Advanced features for superior efficiency

- **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 Defrost**
  LG Multi V IV allows for defrost-cycle customization to match your climate and is able to provide heating during a defrost cycle.

Performance

Expansive operating range in cooling and heating without adding accessories

- LG Multi V IV 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 IV performs in low ambient conditions to provide cooling down to 14˚F.

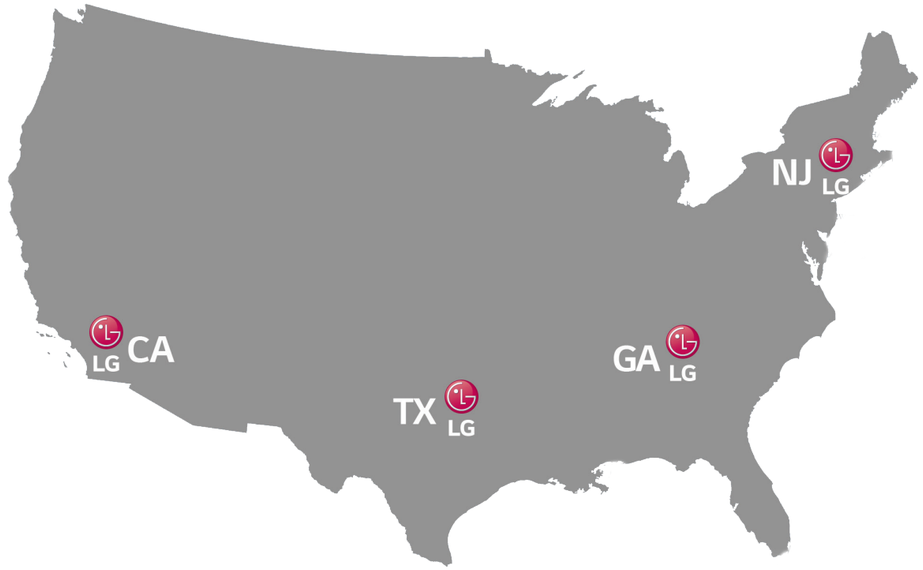
Comfort

- **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 IV 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 IV 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.

VRF INDOOR UNITS

For use with

MULTI V™ IV MULTI V™ S MULTI V™ SPACE II MULTI V™ WATER IV MULTI V™ WATER MINI

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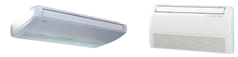

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OUTDOOR UNIT
Lineup

Unit : Tons

	System Type		Frames	3	4	4.4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48
Air Source	Multi V IV	• Heat Pump and Heat Recovery Systems • Available in 208-230V and 460V					●	●	●	●	●															
												●	●	●	●	●	●	●								
																		●	●	●	●	●	●	●	●	
	Multi V Space II	• Heat Pump System • Single-Phase Power				●																				
	Multi V S	• Heat Pump System • Single-Phase Power		●	●	●																				
Water Source	Multi V Water IV 208-230V	• Heat Pump and Heat Recovery Systems					●	●	●	●																
											●	●	●			●										
																			●			●				
	Multi V Water IV 460V	• Heat Pump and Heat Recovery Systems					●	●	●	●	●	●														
														●		●		●		●						
																								●		●
	Multi V Water Mini	• Compact Unit for Installing Indoors • Single-Phase Power		●	●	●																				

INDOOR UNIT

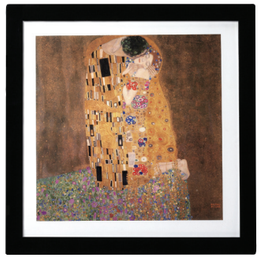
Lineup

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			●	●											

ART COOL GALLERY



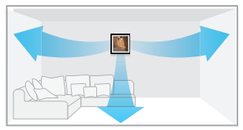
ARNU***SFA4

Specifications		Unit	093	123
Chassis			SF	SF
Capacity	Cooling	Btu/h	9,600	12,300
	Heating	Btu/h	10,900	13,600
Power Input		Watts	35	35
Power Supply		V / Hz / ø	208-230/60/1	208-230/60/1
Dimensions (W×D×H)	Body	inches	23-5/8 x 23-5/8 x 5-3/4	23-5/8 x 23-5/8 x 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

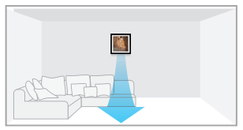
Digital Airflow Control

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

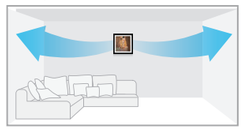
Normal



Jet Cool



Sleep Mode



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.

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

ART COOL MIRROR

ARNU*****R4

Specifications		Unit	053SB	073SB	093SB	123SB	153SB	183SC	243SC
Chassis			SB	SB	SB	SB	SB	SC	SC
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	27,300
Power Input		Watts	21	21	21	21	21	40	40
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×D×H)	Body	inches	35-1/4 x 11-7/16 x 8-1/8	35-1/4 x 11-7/16 x 8-1/8	35-1/4 x 11-7/16 x 8-1/8	35-1/4 x 11-7/16 x 8-1/8	35-1/4 x 11-7/16 x 8-1/8	40-9/16 x 12-13/16 x 9-11/16	40-9/16 x 12-13/16 x 9-11/16
Weight	Body	lbs	24	24	24	24	24	34	34
Sound Pressure (H/M/L)		dBA	30/29/28	32/30/28	34/32/28	37/34/30	40/36/32	38/35/33	43/39/35
Air Flow Rate, Standard Mode (H/M/L)		CFM	230/212/194	247/230/194	290/247/194	336/290/230	371/318/247	441/424/399	494/449/406

Accessories

Description	Model
Auxiliary Heat Kit	PRARS1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

STANDARD WALL MOUNTED

ARNU*****L4

Specifications		Unit	053SB	073SB	093SB	123SB	153SB	183SC	243SC
Chassis			SB	SB	SB	SB	SB	SC	SC
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	27,300
Power Input		Watts	21	21	21	21	21	40	40
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×D×H)	Body	inches	35-1/4 x 11-7/16 x 8-5/16	35-1/4 x 11-7/16 x 8-5/16	35-1/4 x 11-7/16 x 8-5/16	35-1/4 x 11-7/16 x 8-5/16	35-1/4 x 11-7/16 x 8-5/16	40-9/16 x 12-13/16 x 9-7/8	40-9/16 x 12-13/16 x 9-7/8
Weight	Body	lbs	22	22	22	22	22	31	31
Sound Pressure (H/M/L)		dBA	30/29/28	32/30/28	34/32/28	37/34/30	40/36/32	40/35/31	45/40/35
Air Flow Rate, Standard Mode (H/M/L)		CFM	230/212/194	247/230/194	290/247/194	336/290/230	371/318/247	441/424/399	494/449/406

Accessories

Description	Model
Auxiliary Heat Kit	PRARS1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

1-WAY CASSETTE & 2-WAY CASSETTE

ARNU ***TUC4
ARNU ***TTC4

ARNU***TLC4

Specifications		Unit	073TU	093TU	123TU	183TT	243TT	183TL	243TL
Chassis			TU	TU	TU	TT	TT	TL	TL
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		Watts	40	40	40	70	70	70	70
Power Supply		V / Hz / ø	20-230/60/1	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×D×H)	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 21-5/8 x 8-7/8	32-11/16 x 21-5/8 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	41-5/16 x 25-3/16 x 1-5/8	41-5/16 x 25-3/16 x 1-5/8
Weight	Body	lbs	33	33	33	42	42	49	49
	Grille	lbs	10	10	10	13	13	11	11
Sound Pressure (H/M/L)		dBA	32/29/25	35/34/32	38/35/32	40/37/35	43/40/36	40/36/32	42/38/34
Air Flow Rate, Standard Mode (H/M/L)		CFM	290/258/226	325/304/290	353/325/290	470/427/385	515/470/406	459/424/353	601/530/459
Grille			PT-UUC1	PT-UUC1	PT-UUC1	PT-UTC	PT-UTC	PT-HLC1	PT-HLC1

Accessories

Description	Model
Front Panel for 1-Way Cassette, TU Chassis	PT-UUC1
Front Panel for 1-Way Cassette, TT Chassis	PT-UTC
Front Panel for 2-Way Cassette, TL Chassis	PT-HLC1
Auxiliary Heat Kit	PRARH1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

4-WAY CASSETTE (2×2)

ARNU*****C4

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		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×D×H)	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	27-9/16 x 27-9/16 x 7/8	27-9/16 x 27-9/16 x 7/8	27-9/16 x 27-9/16 x 7/8	27-9/16 x 27-9/16 x 7/8	27-9/16 x 27-9/16 x 7/8	27-9/16 x 27-9/16 x 7/8
Weight	Body	lbs	29	29	32	32	35	35
	Grille	lbs	7	7	7	7	7	7
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-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC	PT-UQC

Accessories

Description	Model
Front Panel	PT-UQC
Ventilation Kit	PTVK430
Front Panel (True 2 x2)	PT-QCHW0
Cassette Cover	PTDCQ
Plasma Kit	PTPKQ0
Auxiliary Heat Kit	PRARH1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

4-WAY CASSETTE (3×3)

ARNU******4

Specifications		Unit	243TPC	283TPC	073TNA	093TNA	123TNA	153TNA	183TNA
Chassis			TP	TP	TN	TN	TN	TN	TN
Capacity	Cooling	Btu/h	24,200	28,000	7,500	9,600	12,300	15,400	19,100
	Heating	Btu/h	27,300	31,500	8,500	10,900	13,600	17,100	21,500
Power Input		Watts	33	33	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	208-230/60/1	208-230/60/1
Dimensions (W×D×H)	Body	inches	33-1/16 x 33-1/16 x 8	33-1/16 x 33-1/16 x 8	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	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16
Weight	Body	lbs	48	48	54	54	54	54	54
	Grille	lbs	13	13	13	13	13	13	13
Sound Pressure (H/M/L)		dBA	36/34/31	39/35/33	29/26/24	29/26/24	31/29/26	32/29/26	34/30/26
Air Flow Rate, Standard Mode (H/M/L)		CFM	600/530/459	671/565/494	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	PT-UMC1	PT-UMC1

Specifications		Unit	243TNA	363TNC	243TMA	283TMA	363TMA	423TMC	483TMC
Chassis			TN	TN	TM	TM	TM	TM	TM
Capacity	Cooling	Btu/h	24,200	36,200	24,200	28,000	36,200	42,000	48,100
	Heating	Btu/h	27,300	40,600	27,300	31,500	40,600	43,800	51,200
Power Input		Watts	144	144	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	208-230/60/1	208-230/60/1
Dimensions (W×D×H)	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 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	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	37-3/8 x 37-3/8 x 1-7/16	37-3/8 x 37-3/8 x 1-7/16
Weight	Body	lbs	54	54	59	59	59	59	59
	Grille	lbs	13	13	13	13	13	13	13
Sound Pressure (H/M/L)		dBA	40/38/35	44/41/38	29/26/24	29/26/24	29/26/24	45/41/38	46/42/40
Air Flow Rate, Standard Mode (H/M/L)		CFM	742/671/600	883/777/706	777/706/635	812/741/635	918/812/706	1,059/918/812	1,130/953/883
Grille			PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	PT-UMC1	P-UMC1

Accessories

Description	Model
Front Panel	PT-UMC1
Auto Elevation Grille	PTEGM0
Ventilation Kit	PTVK410 and PTVK420 or PTVK430
Front Panel, Black (3x3)	PT-UMC1B
Cassette Cover	PTDCM
Plasma Kit	PTPKM0
Auxiliary Heat Kit	PRARH1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

LOW STATIC DUCTED (CONVERTIBLE)

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×D×H)	Body	inches	30-1/2×27-9/16×7-1/2	30-1/2×27-9/16×7-1/2	38-3/8×27-9/16×7-1/2	38-3/8×27-9/16×7-1/2	38-3/8×27-9/16×7-1/2	46-1/4×27-9/16×7-1/2
Weight	Body	lbs	39	39	51	51	51	60
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		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		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

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

LOW STATIC DUCTED (BOTTOM RETURN)

ARNU*****G4

Specifications		Unit	073B3	093B3	123B3	153B3	183B4	243B4
Chassis			B3	B3	B3	B3	B4	B4
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×D×H)	Body	inches	32-5/8×22-5/8×7-1/2	32-5/8×22-5/8×7-1/2	32-5/8×22-5/8×7-1/2	32-5/8×22-5/8×7-1/2	43-5/16×22-5/8×7-1/2	43-5/16×22-5/8×7-1/2
Weight	Body	lbs	46	46	46	46	57	57
Sound Pressure (H/M/L)		dBA	33/32/29	34/33/32	35/34/33	41/40/37	43/40/37	46/43/37
Air Flow Rate, Standard Mode (H/M/L)		CFM	283/229/194	318/247/212	353/283/229	388/353/283	494/424/353	600/530/353
External Static Pressure		in wg	0	0	0	0	0	0
Air Flow Rate High Mode (H/M/L)		CFM	283 / 229 / 194	318 / 247 / 212	353 / 283 / 229	388 / 353 / 283	494 / 424 / 353	600 / 530 / 353
External Static Pressure		in wg	0.08	0.08	0.08	0.08	0.08	0.08
ESP Range (Min/Max)		in wg	0 - 0.15	0 - 0.15	0 - 0.15	0 - 0.15	0 - 0.15	0 - 0.15

Accessories

Description	Model
Return Air Canvas for LSD B3 Series	PBSC30
Return Air Canvas for LSD B4 Series	PBSC40
Return Air Grille for LSD B3 Series	PBSGB30
Return Air Grille for LSD B4 Series	PBSGB40
Auxiliary Heat Kit	PRARH1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

HIGH STATIC DUCTED

ARNU*****A4

Specifications		Unit	073BH	093BH	123BH	153BH	183BH	243BH
Chassis			BH	BH	BH	BH	BH	BH
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	150	150	150	150	150	150
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×D×H)	Body	inches	34-3/4 x 17-3/4 x 10-1/4	34-3/4 x 17-3/4 x 10-1/4	34-3/4 x 17-3/4 x 10-1/4	34-3/4 x 17-3/4 x 10-1/4	34-3/4 x 17-3/4 x 10-1/4	34-3/4 x 17-3/4 x 10-1/4
Weight	Body	lbs	58	58	58	58	58	58
Sound Pressure (H/M/L)		dBA	34/33/32	35/34/33	37/35/34	39/37/34	40/38/37	42/41/40
Air Flow Rate, Standard Mode (H/M/L)		CFM	258/222/198	258/222/198	307/258/198	388/357/307	466/413/258	618/519/445
External Static Pressure		in wg	0.23	0.23	0.23	0.23	0.23	0.23
Air Flow Rate High Mode (H/M/L)		CFM	230/205/191	286/230/205	339/286/230	399/339/230	459/399/339	565/509/459
External Static Pressure		in wg	0.31	0.31	0.31	0.31	0.31	0.31
ESP Range (Min/Max)		in wg	0.12 - 0.47	0.12 - 0.47	0.12 - 0.47	0.12 - 0.47	0.12 - 0.47	0.12 - 0.47

*Available 2nd qtr 2016

Specifications		Unit	073BG	093BG	123BG	153BG	183BG	243BG
Chassis			BG	BG	BG	BG	BG	BG
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	450	450	450	450	450	450
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×D×H)	Body	inches	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4
Weight	Body	lbs	84	84	84	84	84	84
Sound Pressure (H/M/L)		dBA	35/35/34	35/35/34	36/35/34	37/36/33	41/39/37	42/39/37
Air Flow Rate, Standard Mode (H/M/L)		CFM	516/484/434	533/484/434	586/533/484	477/427/318	547/470/427	671/576/547
External Static Pressure		in wg	0.15	0.15	0.15	0.23	0.23	0.23
Air Flow Rate High Mode (H/M/L)		CFM	441/406/332	452/406/332	477/427/332	487/417/293	537/487/417	671/537/487
External Static Pressure		in wg	0.23	0.23	0.23	0.31	0.31	0.31
ESP Range (Min/Max)		in wg	0.12 - 0.70	0.12 - 0.70	0.12 - 0.70	0.12 - 0.70	0.12 - 0.70	0.12 - 0.70

Specifications		Unit	283BG	363BG	423BG	283BR	363BR	423BR
Chassis			BG	BG	BG	BR	BR	BR
Capacity	Cooling	Btu/h	28,000	36,200	42,000	28,200	36,200	42,000
	Heating	Btu/h	31,500	40,600	43,800	31,500	40,600	43,800
Power Input		Watts	450	450	450	450	450	450
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×D×H)	Body	inches	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	46-9/16 x 17-3/4 x 11-3/4	48-7/16 x 23-1/4 x 15	48-7/16 x 23-1/4 x 15	48-7/16 x 23-1/4 x 15
Weight	Body	lbs	84	84	84	112	112	112
Sound Pressure (H/M/L)		dBA	42/41/40	44/43/42	45/44/44	41/40/39	42/41/40	43/42/41
Air Flow Rate, Standard Mode (H/M/L)		CFM	893/770/622	1,003/894/770	1,130/1,003/961	1,151/1,105/1,074	1,430/1,151/1,105	1,497/1,430/1,151
External Static Pressure		in wg	0.31	0.31	0.31	0.39	0.39	0.39
Air Flow Rate High Mode (H/M/L)		CFM	915/851/770	1,141/1,024/894	1,218/1,141/1,084	1,278/1,134/1,077	1,381/1,176/1,049	1,490/1,381/1,176
External Static Pressure		in wg	0.39	0.39	0.39	0.55	0.55	0.55
ESP Range (Min/Max)		in wg	0.12 - 0.70	0.12 - 0.70	0.12 - 0.70	0.19 - 0.78	0.19 - 0.78	0.19 - 0.78

Specifications		Unit	483BR	543BR	363B8	423B8	83B8	763B8	963B8
Chassis			BR	BR	B8	B8	B8	B8	B8
Capacity	Cooling	Btu/h	48,100	54,000	36,200	42,000	48,100	76,400	95,900
	Heating	Btu/h	51,200	61,400	40,600	43,800	51,200	86,000	107,500
Power Input		Watts	450	450	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	208-230/60/1
Dimensions (W×D×H)	Body	inches	48-7/16 x 23-1/4 x 15	48-7/16 x 23-1/4 x 15	61-1/2 x 27-1/1 x 18-1/8	61-1/2 x 27-1/1 x 18-1/8	61-1/2 x 27-1/1 x 18-1/8	61-1/2 x 27-1/1 x 18-1/8	61-1/2 x 27-1/1 x 18-1/8
Weight	Body	lbs	112	112	192	192	192	192	192
Sound Pressure (H/M/L)		dBA	45/43/41	46/45/43	46/45/42	47/46/43	47/46/44	50/48/48	52/50/50
Air Flow Rate, Standard Mode (H/M/L)		CFM	1,568/1,395/1,183	1,819/1,678/1,395	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		in wg	0.39	0.39	0.35	0.35	0.35	0.59	0.59
Air Flow Rate High Mode (H/M/L)		CFM	1,582/1,434/1,176	1,801/1,582/1,434	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		in wg	0.55	0.55	0.7	0.7	0.7	0.87	0.87
ESP Range (Min/Max)		in wg	0.19 - 0.78	0.19 - 0.78	0.23 - 0.98	0.23 - 0.98	0.23 - 0.98	0.23 - 0.98	0.23 - 0.98

Accessories

Description	Model
Dynamic V8 Low-Profile 2VL Air Cleaner	ZFBXD201A
Dynamic V8 Low-Profile 4VL Air Cleaner	ZFBXD402A
4-Pack Air Cleaner Media	ZFLT1301A
24-Pack Air Cleaner Media	ZFLT1302A
2VL Return Air Plenum	ZPLMV201A
4VL Return Air Plenum	ZPLMV402A
Auxiliary Heat Kit	PRARH1
High-Capacity Filter Box for B8 HSD Chassis	ZFBXB801A
High-Capacity Filter Box for BG HSD Chassis	ZFBXBG01A
High-Capacity Filter Box for BH HSD Chassis	ZFBXBH01A
High-Capacity Filter Box for BR HSD Chassis	ZFBXBR01A

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

CEILING SUSPENDED AND SURFACE MOUNTED

ARNU***VJA2

ARNU***VEA2

Specifications		Unit	183VJ	243VJ	093VE	123VE
Chassis			VJ	VJ	VE	VE
Capacity	Cooling	Btu/h	19,100	24,200	9,600	12,300
	Heating	Btu/h	21,500	27,300	10,900	13,600
Power Input		Watts	65	65	30	30
Power Supply		V / Hz / ø	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Dimensions (W×D×H)	Body	inches	37-3/8×25-5/8×8-11/16	37-3/8×25-5/8×8-11/16	35-7/16×19-5/16×7-7/8	35-7/16×19-5/16×7-7/8
Weight	Body	lbs	55	55	31	31
Sound Pressure (H/M/L)		dBA	42/40/37	43/41/39	36/32/28	38/36/30
Air Flow Rate, Standard Mode (H/M/L)		CFM	565/495/424	636/565/495	268/243/219	352/268/244

Accessories

Description	Model
Auxiliary Heat Kit	PRARH0

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

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×D×H)	Body	inches	18×21-1/4×48-11/16	18×21-1/4×48-11/16	18×21-1/4×48-11/16	18×21-1/4×48-11/16	18×21-1/4×48-11/16	25×21-1/4×55-3/16	25×21-1/4×55-3/16	25×21-1/4×55-3/16
Weight	Body	lbs	117	117	117	117	121	165	165	165
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
		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		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		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
5 kw Heat Kit	ANEH053B1
10 kw Heat Kit	ANEH103B2
15 kw Heat Kit	ANEH153B2
20 kw Heat Kit	ANEH203B2

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of 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	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Dimensions (W×D×H)	Body	inches	42×25×8	42×25×8	42×25×8	42×25×8	53×25×8	53×25×8
Weight	Body	lbs	60	60	60	60	75	75
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		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×D×H)	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	49-7/16×25-3/16×7-1/2
Weight	Body	lbs	46	46	46	46	58	58
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		in wg	0	0	0	0	0	0
ESP Range (Min/Max)		in wg	0 - 0.18	0 - 0.18	0 - 0.18	0 - 0.18	0 - 0.24	0 - 0.24

Accessories

Description	Model
Auxiliary Heat Kit	PRARH1

Note :
1. Capacities are based on the following conditions:

Cooling - Indoor temp. 80.6°F DB / 67°F WB
Outdoor temp. 95°F DB / 75.2°F WB
Interconnecting piping length 25 ft.
Level difference of zero

Heating - Indoor temp. 70°F DB
Outdoor temp. 47°F DB / 43°F WB
Interconnecting piping length 25 ft.
Level difference of zero

2. The power input is rated at high speed.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Due to our policy of innovation, some specifications may be changed without notification.

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HYDRO KIT

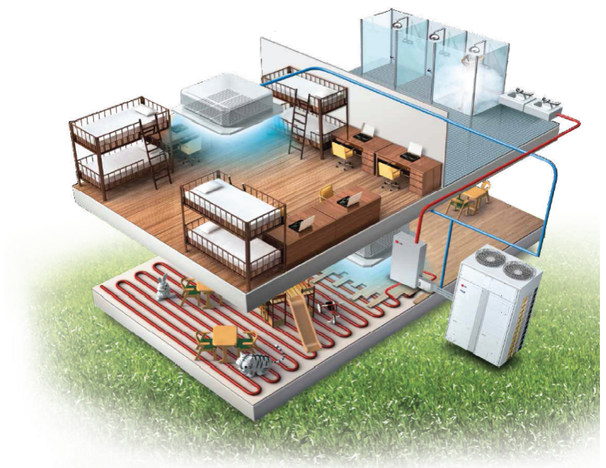
The LG Hydro Kit is an efficient way to recover waste heat from VRF air conditioning systems. The Hydro Kit repurposes the Multi V systems' waste heat to provide hot water where it is needed in areas such as kitchens, bathrooms, radiators, and floor heating. LG offers two types of Hydro Kits: the K2 chassis offers water cooling and medium-temperature heating capabilities, while the K3 chassis offers high-temperature water heating.

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 K2 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 IV and Multi V Water IV 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

- Offices
- Schools
- Universities
- Hospitals
- Retail stores
- Restaurants
- Hotels
- Multiuse facilities

HYDRO KIT

ARNH***A2**

Type			Cooling / Medium-Temperature Heating	High-Temperature Heating
	Specifications	Unit	963K2	763K3
Cooling Mode Performance	Rated Capacity[1]	Btu/h	95,900	-
	Entering Water Temp Range	°F	50-95	-
	Leaving Water Temp Range	°F	42-77	-
	Indoor Air Temp Setpoint Range	°F	64-86	-
Heating Mode Performance	Rated Capacity[1]	Btu/h	107,500	86,000
	Entering Water Temp Range	°F	41-113	53-167
	Leaving Water Temp Range	°F	68-122	86-176
	Indoor Air Temp Setpoint Range	°F	60-86	60-86
	Hot Water Tank Setpoint Range	°F	86-122	86-176
Unit Data	Refrigerant Type (Primary/Secondary)		R410A/-	R410A/R134A
	Refrigerant Control		EEV	EEV
	Factory Charge[2]	lbs	-	6.51
	Sound Pressure[3]	dB(A)	26	43
	Net Unit Weight	lbs	77	207
	Shipping Weight	lbs	89	219
	Heat Rejected to Equipment Room	Btu/h	Negligible	512
	Oil Type		-	PVE (FVC68D)
Heat Exchanger	Material/Type		316 Stainless/Brazed Plate	316 Stainless/Brazed Plate
	Rated Water Flow	GPM	24.3	9.5
	Rated Pressure Drop[4]	ft-wg	23.1	6.7
	Range of Flow	GPM	8-24.3	5-19
	Waterside Volume	US Gallons	0.58	0.58
	Waterside Design Pressure	psig	640	640
Compressor	Type		-	Twin Rotary
	Operating Range	Hz	-	20-95
Piping	Liquid Line (OD)	inches	3/8 Braze	3/8 Braze
	Vapor Line (OD)	inches	7/8 Braze	3/4 Braze
	Condensate Line (ID)	inches	1-MPT	Bottom Panel Hole Only
	Water Inlet/Outlet (ID)	inches	1-MPT	1-MPT
Electrical Data	MCA	A	0.06	28.8
	MOP	A	15	50
	Rated Amps	A	0.05	23
	Power Supply	V / Hz / ø	208-230/60/1	208-230/60/1
	Power Input (Cooling/Heating)	Watts	0.01/0.01	-

1. All capacities are net, with a combination ratio between 95 and100%.
2. Internal second-stage refrigerant circuit.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. Water only (no antifreeze).

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

DOAS (DEDICATED OUTDOOR AIR SYSTEM)

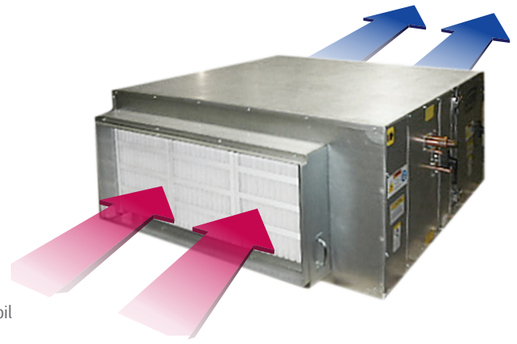
Specifically designed for use with LG VRF systems, LG DOAS is a premier dedicated outdoor air system for fresh air exchange to improve air quality without sacrificing energy efficiency. Built with double-wall, rigid, polyurethane foam-insulated panels, the LG DOAS has increased thermal resistance and decreased sound levels to ensure occupant comfort.

How DOAS Works

The LG DOAS preconditions the temperature and humidity of incoming fresh air before bringing it indoors. The aim is to achieve a balance between indoor and outdoor ambient temperatures, which in some designs may allow for the load placed on the air conditioning system to be reduced.

Features & Benefits

- Selectable CFM: 1,200, 1,600 and 2,000 CFM (Flexible design)
- Double-wall insulation (Low sound)
- Low-profile (Saves ceiling space)
- Variable-speed fans with ECM motor (ECM-adjustable static pressures)
- Merv 8 filter standard (Clean indoor air)
- SCR-controlled electric preheat coil (Saves energy)
- Access doors with removable pins (Easier service)
- Web-accessible controls (Remote access)
- LonWorks® or BACnet® ready (Saves installation cost)
- Available in two models: with and without electric preheat coil
- Reheat coil allows heating of dehumidified air to neutral room temperatures



Applications

- Schools
- Universities
- Offices
- Stadiums
- Retail stores
- Hospitals
- Medical offices
- Condominiums
- Apartments
- Multiuse facilities

DOAS (DEDICATED OUTDOOR AIR SYSTEM)

ARNH*****A2

Type			With Electric Preheat Coil	Without Electric Preheat Coil
	Specifications	Unit	963K2	763K3
Cooling Mode Performance	Capacity	Btu/h	143,100	143,100
Heating Mode Performance	Main Coil Capacity	Btu/h	59,900	59,900
	Reheat Coil Capacity	Btu/h	45,900	45,900
Entering Air	Cooling Max	°F DB/WB	122/78	122/78
	Heating Min	°F DB	2.5	41
Unit Data	Refrigerant Type[1]		R410A	R410A
	Refrigerant Control		EEV	EEV
	Sound Power	dB(A)	84	84
	Net Unit Weight	lbs	725	600
	Shipping Weight	lbs	825	700
	Communication Cable[2]	No. x AWG	4 x 18	4 x 18
Fan	Type		Backward-Curved Plenum	Backward-Curved Plenum
	Motor		1	1
	Motor/Drive		ECM/Direct	ECM/Direct
	Airflow Rate	CFM	2,000	2,000
	External Static Pressure	in wg	1.65	1.65
	Airflow Range	CFM	400 - 2,000	400 - 2,000
Piping (Main Coil)	Liquid Line (OD)	in	1/2	1/2
	Vapor Line (OD)	in	1-1/8	1-1/8
Piping (Reheat Coil)	Liquid Line (OD)	in	1/2	1/2
	Vapor Line (OD)	in	1-1/8	1-1/8
Condensate	Condensate Line (OD)	in	1 NPT	1 NPT
Electrical Data	MCA	A	96	8
	MOP	A	100	15
	Power Supply	V / Hz / ø	208-230/60/3	208-230/60/1

1. Take appropriate actions at the end of HVAC equipment life to recover, recycle, reclaim or destroy R410A refrigerant according to applicable regulations (40 CFR Part 82, Subpart F) under section 608 of CAA.
2. All communication cables to be minimum 18 AWG, four-conductor, stranded, and shielded, and must comply with applicable local and national codes.

ERV (ENERGY RECOVERY VENTILATOR)

ARVU***A2**

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

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

Accessories

Description	Model
PI-485	PFNFP14A0
CO_2 Sensor	PES-C0RV0

1. SH - Super-high condensate drain not required. ERV temperature and enthalpy exchange efficiencies are in accordance with AHRI 1060 test conditions, 100% airflow, and 0" external static pressure.
Cooling: Outdoor 95°F DB, 78°F WB; Exhaust 75°F DB, 63°F WB
Heating: Outdoor 35°F DB, 33°F WB; Exhaust 70°F DB, 58°F WB

ACCESSORIES

Indoor Unit Accessories

PTEGM0

PTDCM
PTDCQ

PT-UQC
PT-UMC1
PT-QCHW0
PT UMC1B

PT-HLC1

PT-UUC1
PT-UTC

PTVK410

PTVK420

PTVK430

PTPKM0
PTPKQ0

Air Cleaner Media

PBSC30
PBSC40

PBSGB30
PBSGB40

PRARH0
PRARH1
PRARS1

PI-485

CO_2 Sensor

Unit Type	Category	Model	Description	Used with
Ceiling Cassettes	Cassette Auto Elevation Kit	PTEGM0	Auto Elevation Grill Kit	TP, TN, TM
	Cassette Cover	PTDCM	Decorative Cover for 4-Way Ceiling Cassette	TP, TN, TM
		PTDCQ		TQ, TR
	Cassette Panel	PT-UTC	1-Way Ceiling Cassette Panel	TT
		PT-UUC1	1-Way Ceiling Cassette Panel	TU
		PT-HLC1	2-Way Ceiling Cassette Panel	TL
		PT-UQC	4-Way Ceiling Cassette Panel	TQ, TR
		PT-QCHW0	4-Way Ceiling Cassette Panel, True 2x2	TQ, TR
		PT-UMC1	4-Way Ceiling Cassette Panel	TP, TN, TM
		PT-UMC1B	4-Way Ceiling Cassette Panel, Black	TP, TN, TM
	Cassette Ventilation	PTVK410	Ventilation Air Intake Spacer for 4-Way Ceiling Cassette (Requires PTVK420)	TP, TN, TM
		PTVK420	6" Ø Ventilation Air Connection Flange for 4-Way Ceiling Cassette	TP, TN, TM
		PTVK430	3" Ø Ventilation Air Connection Flange for 4-Way Ceiling Cassette	TQ, TR, TP, TN, TM
	Plasma Kit	PTPKM0	4-Way Ceiling Cassette Plasma Kit (3x3)	TP, TN, TM
		PTPKQ0	4-Way Ceiling Cassette Plasma Kit (2x2)	TQ, TR
High Static Ducted	HSD Filter Box	ZFBXB801A	High-Capacity Filter Box	B8
		ZFBXBG01A	High-Capacity Filter Box	BG
		ZFBXBH01A	High-Capacity Filter Box	BH
		ZFBXBR01A	High-Capacity Filter Box	BR
	Air Cleaner	ZFBXD201A	DYNAMIC V8-2VL Low-Profile Air Cleaner	BG, BH, BR, B8
		ZFBXD402A	DYNAMIC V8-4VL Low-Profile Air Cleaner	BG, BH, BR, B8
	Air Cleaner Media	ZFLT1301A	Air Cleaner Media 4-Pack	BG, BH, BR, B8
		ZFLT1302A	Air Cleaner Media 24-Pack	BG, BH, BR, B8
	Return Air Plenum	ZPLMV201A	2VL Return Air Plenum	BG, BH, BR, B8
		ZPLMV401A	4VL Return Air Plenum	BG, BH, BR, B8
LSD Bottom Return	LSD Bottom Return Canvas	PBSC30	Return Air Canvas (Requires PBSGB30 Grille)	B3
		PBSC40	Return Air Canvas (Requires PBSGB40 Grille)	B4
	LSD Bottom Return Grille	PBSGC30	Return Air Grille (Requires PBSC30 Canvas)	B3
		PBSGC40	Return Air Grille (Requires PBSC40 Canvas)	B4
Vertical AHU	Heat Kit	ANEH053B1	5kw Electric Heat Kit	NJ, NK
		ANEH103B2	10kw Electric Heat Kit	NJ, NK
		ANEH153B2	15kw Electric Heat Kit	NJ, NK
		ANEH203B2	20kw Electric Heat Kit	NJ, NK
Auxilliary Heat Kit		PRARH0	Auxiliary Heat Kit for Gen 2 Cassettes, Ducted, and Convertible units	VJ, VE
		PRARH1	Auxiliary Heat Kit for Gen 4 Cassettes, Ducted, and Convertible units	B3, B4, B8, BG, BH, BR, L1, L2, L3, TL, TM, TN, TP, TQ, TR, TT, TU
		PRARS1	Auxiliary Heat Kit for Wall-Mounted Units	SB, SC

NOTES

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NOTES

UNIT NOMENCLATURE

ARN	U	07	3	TN	C	4
Family	Type	Indoor Unit Nominal Capacity	Electrical Ratings	Model	Feature	Generation

Family

ARN	Multi V Indoor Unit (Refrigerant R410A)

Type

U	DC Inverter Heat Pump

Indoor Unit Nominal Capacity

05	5,000 Btu/h	**30**	30,000 Btu/h
07	7,000 Btu/h	**36**	36,000 Btu/h
09	9,000 Btu/h	**42**	42,000 Btu/h
12	12,000 Btu/h	**48**	48,000 Btu/h
15	15,000 Btu/h	**54**	54,000 Btu/h
18	18,000 Btu/h	**76**	76,000 Btu/h
24	24,000 Btu/h	**96**	96,000 Btu/h
28	28,000 Btu/h		

Electrical Ratings

3	208–230V/60Hz/1Ph

Model

B3	Ducted (Low Static - Bottom Return)	**SB**	Wall Mounted / Art Cool™ Mirror
B4	Ducted (Low Static - Bottom Return)	**SC**	Wall Mounted / Art Cool Mirror
B8	Ducted (High Static)	**TT**	1-Way Ceiling Cassette
BG	Ducted (High Static)	**TU**	1-Way Ceiling Cassette
BR	Ducted (High Static)	**TL**	2-Way Ceiling Cassette
CE	Floor Standing (Small Frame)	**TM**	4-Way Ceiling Cassette
CF	Floor Standing (Large Frame)	**TN**	4-Way Ceiling Cassette
L1	Ducted (Low Static)	**TP**	4-Way Ceiling Cassette
L2	Ducted (Low Static)	**TQ**	4-Way Ceiling Cassette
L3	Ducted (Low Static)	**TR**	4-Way Ceiling Cassette
NJ	Vertical/Horizontal Air Handling Unit	**VE**	Convertible Surface Mounted
NK	Vertical/Horizontal Air Handling Unit	**VJ**	Ceiling Suspended

Feature

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

*Plasma filter kit accessories are available separately. Always follow all local, state and national building codes with the use of this or any product.

Generation

2	Second
4	Fourth
A	Second, Revision A