PRODUCT CATALOG

LG
Life's Good

MULTI V™ III

Life's Good!

From installation to maintenance, LG runs more than 60 global air conditioning academies, each provides training for air conditioning professionals.

What is LG ?

LG Electronics is a division of the LG Group founded in 1947. LG air conditioners were first manufactured in 1968. With inverter driven residential and commercial air conditioning equipment and controls, LG is among the world's largest volume compressor and HVAC manufacturers with 8 production sites.

Establishment | Growth | Expansion

- 1947 — LG Group Established
- 1958 — LGE Established
- 1968 — Manufactured Korea's first air conditioners
- 1985 — Korea's first Inverter air conditioners
- 1986 — Exported Korea's first window air conditioner
- 1990 — First LG rotary compressor
- 1995 — Company name changed to LG Electronics; First LG scroll compressor
- 1998 — First LG VRF system launched
- 2000 — Reached #1 seller of residential air conditioners
- 2001 — Introduced picture frame air conditioner
- 2004 — Achieved worlds highest annual air conditioner sales of 10 million units
- 2008 — US Training Center Established (Atlanta); Reached industry first total global sales of 100 million air conditioning units
- 2009 — US Training Center Established (Southern California); LG Air Conditioning division created
- 2011 — US Training Center Est. in Secaucas, NJ & Carrolton, TX

What is VRF?

Variable Refrigerant Flow (VRF) technology was introduced as a system to minimize losses found in conventional HVAC systems. An air cooled VRF system is engineered to minimize or remove ductwork, 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. The modular design results in superior energy savings 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.

6 Why LG VRF?

18 Multi V III Units

42 Accessories

Why LG VRF?

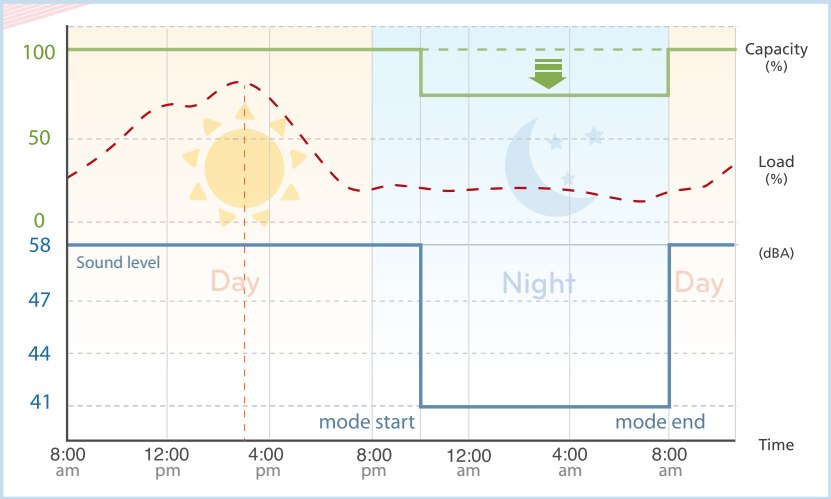
Multi V is engineered to bring together efficiency and easy installation. With an LG Multi V III system your building or residence consumes less energy.

DEHUMIDIFICATION AND COMFORT CONTROL

With the use of inverters and multiple compressor outdoor units, the LG Multi V III system offers superior load matching, preventing constant cycling or large temperature swings. Tight temperature control through precise load matching ensures maximum comfort, efficient operation, and superior dehumidification.

QUIET

With indoor units that can operate at sound levels as low as 23 dB(A) at low speed and outdoor units that can operate in night quiet mode as low as 49 dB(A), Multi V III creates a comfortable environment so quiet it is almost undetectable.



Sound Pressure dB(A)	Heat Pump	Heat Recovery
Normal	58	58
Step 1	55	55
Step 2	52	52
Step 3	49	49

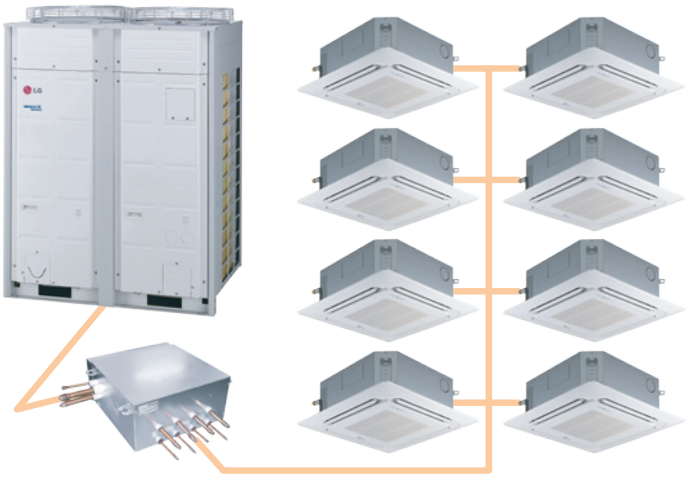
Based on single frame outdoor unit

QUALITY AND RELIABILITY

With controls that vary compressor speeds and protect against oil migration, coil icing and short cycling, the Multi V III offers unmatched quality and reliability. LG also has expertise in compressor design, motors, and printed circuit boards, resulting in superior quality control. Multi V III is backed up with a 2-year parts warranty and additional 4-year compressor warranty.

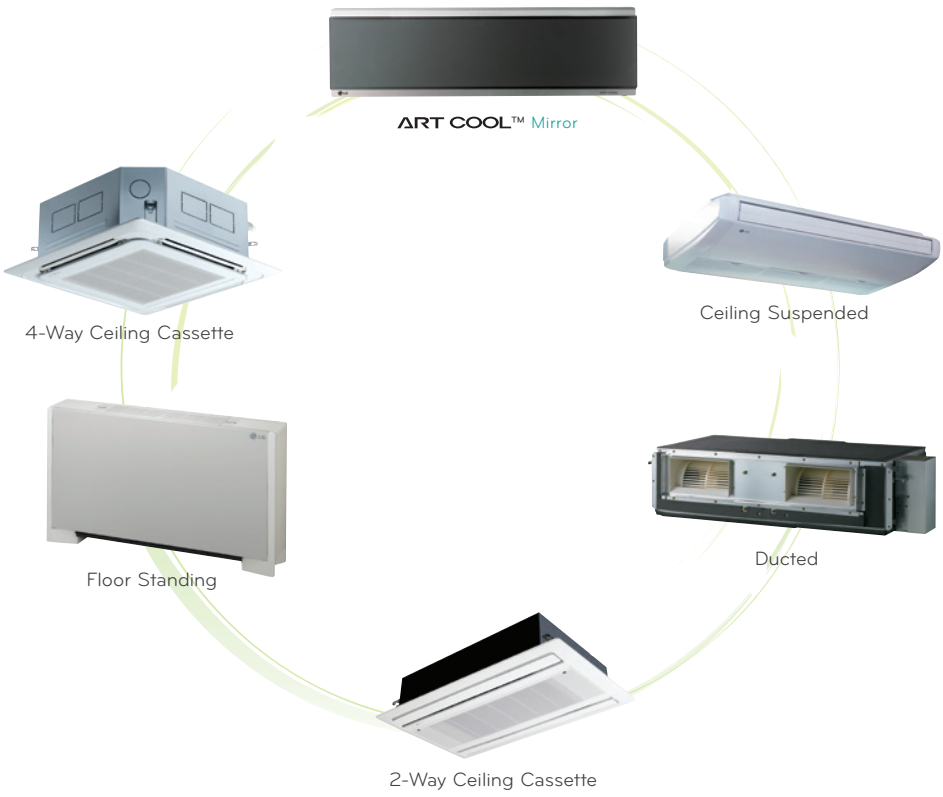
EFFICIENT DESIGN

Without using water piping or large distribution ducts, the Multi V III system removes losses that are unavoidable in other systems. In addition, the use of optimized scroll compressors, specially designed heat exchangers, and inverter technology, the Multi V III system minimizes energy consumption to levels lower than non-VRF systems. The modular design offers comfort on demand allowing the choice to use the system only in the zones where it is needed further promoting reduced energy consumption.



STYLISH DESIGN

Multi V indoor units are available in a wide range of styles to fit any interior design. With indoor unit choices including cassettes that mount flush to the ceiling, ducted units that hide completely concealed in the ceiling, and mirror finished wall mounted units that fit into any décor, the LG Multi V system offers unparalleled aesthetic design.



Architectural Appeal

ADAPTABLE AND FLEXIBLE

Multi V III outdoor units can be adapted to a wide range of building types and sizes including but not limited to schools, hotels, hospitals, offices, and residences. Their light weight and small footprint allows them to be moved without expensive cranes easily fitting into most service elevators and set in place with minimal requirements for structural reinforcements. Its modular design means Multi V III can be commissioned in stages so tenants can move in as each floor or even each room is completed.

Imagine a split system that allows you to minimize components by reaching an area of the building that might otherwise require a second system. The Multi V III system is capable of the longest piping lengths and largest elevation differences in the industry, allowing maximum flexibility in placement of outdoor condensing units and indoor units. Whether your building is a high rise condominium or hotel, or a sprawling school or office complex, this system will reach even the farthest corners and elevations.

SMALLER CHASES AND PLENUMS

The LG Multi V III system uses refrigerant piping to move heat resulting in smaller space requirements compared to water piping or air ducts. This will help reduce the overall construction and material cost of your building and give back leasable space. Flexible and logical placement of system components, shorter pipe lengths, and fewer joints lowers installed cost and minimizes potential for leaking.

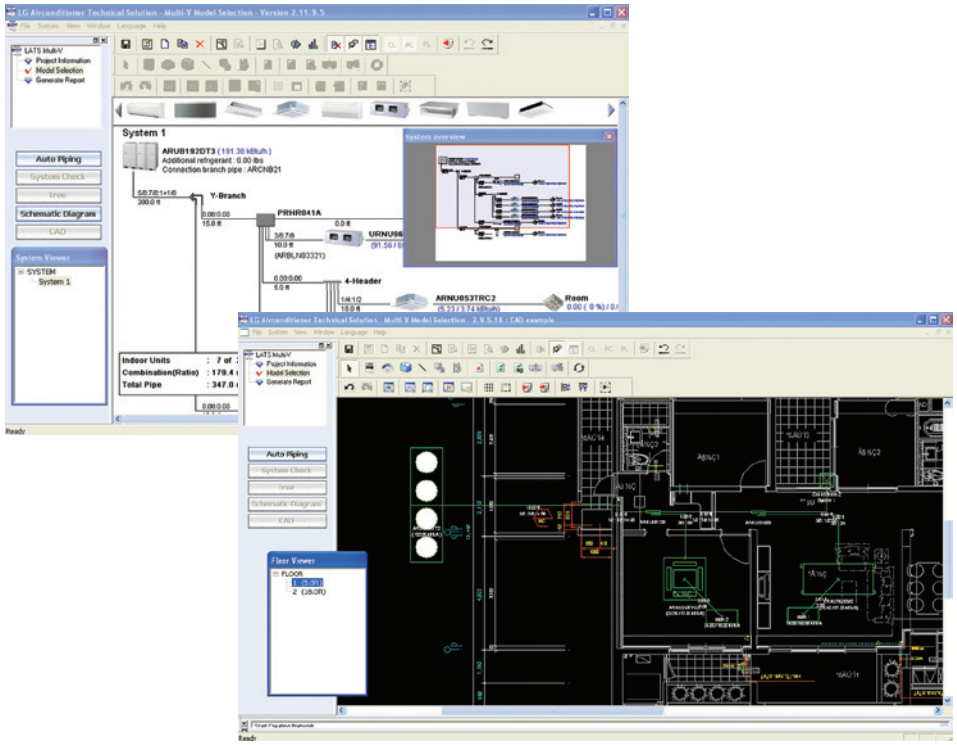
Multi V Indoor Unit (eliminate soffit)

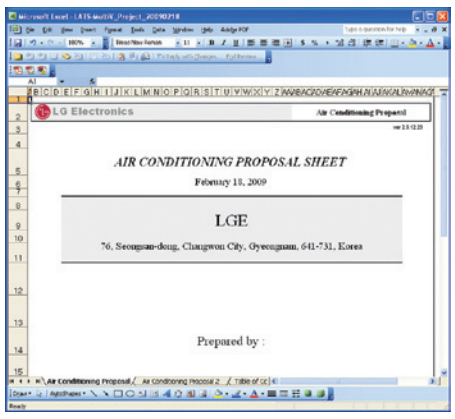
Conventional Duct Soffit

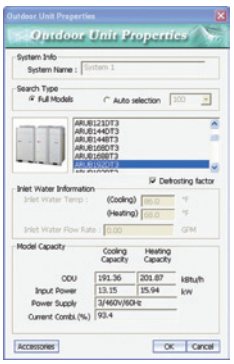
Engineering Advantage

INTUITIVE DESIGN

The LATS Multi V design and layout software provides an intuitive method of laying out a Multi V III system. LATS Multi V checks piping lengths and elevations, and assists the sizing of indoor and outdoor units by calculating capacity based on design conditions. LATS Multi V is the industry's only software that can import AutoCAD™ drawings and lay out the Multi V III system to scale. When the user finishes the AutoCAD™ system layout, all of the piping lengths will be calculated and a drawing file with the Multi V system can be exported.

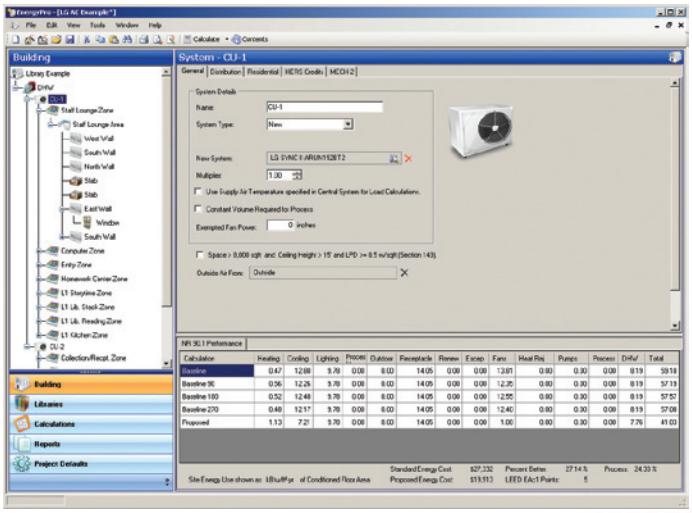


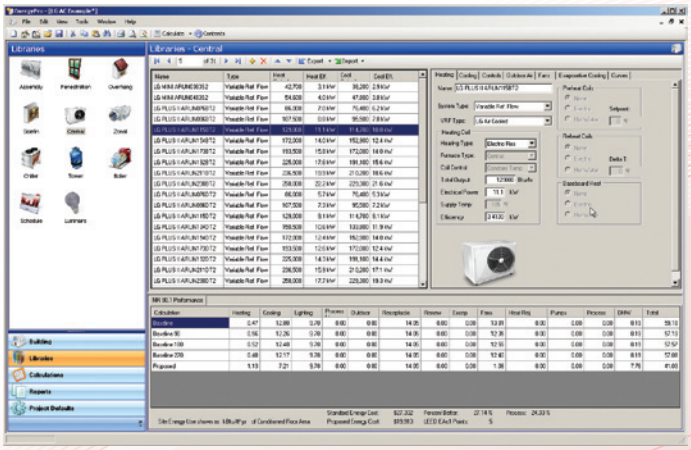




ENERGY MODELING

LG stands behind efficiency and performance with proof. You will find Multi V III in the EnergyPro™ building energy simulation software from EnergySoft®. EnergyPro™ is approved by the California Energy Commission and can be used for documentation with the California Title 24 Standards as well as energy codes throughout the United States including ASHRAE 90.1 and LEED®. The software accurately models energy consumption based on building design, orientation, location, and other design conditions taking into account your specific utility rate structure.





SUSTAINABILITY

The architectural and engineering community is adopting a balanced design approach that considers energy and water consumption, repetitive maintenance costs, the impact of development on the environment, and the building's initial cost as equally important factors in developing high performance, sustainable buildings that will increase building value.

The American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) and the U.S. Green Building Council (USGBC) have been instrumental in developing and documenting voluntary best practice standards that provide the construction industry an all encompassing balanced approach for developing sustainable buildings.

ASHRAE Standards provide best practices for safe refrigerant handling, proper building ventilation, controlling building temperature and relative humidity and energy and water efficiency. The USGBC has developed holistic design standards for constructing new and retrofitting existing buildings known as LEED® - Leadership in Energy and Environmental Design. The LEED® Green Building Rating System is a voluntary, consensus based program for developing high performance, sustainable buildings. Based on well founded scientific standards, LEED® emphasizes state-of-the-art strategies for sustainable site development, water and energy conservation as well as a guide for selecting construction materials that are easily renewable and manufactured to promote indoor environmental quality.

The LEED® rating system provides a complete framework for assessing building performance and meeting sustainability goals. Based on a system of prerequisites and credits, often referring to ASHRAE Standards, LEED® projects earn points during the certification process and then are awarded one of four available certification levels: Certified, Silver, Gold, and Platinum. The LEED® rating system does not endorse products, but sets performance criteria to award prerequisites and points toward certification.

The Multi V III variable refrigerant flow air conditioning system is engineered for sustainable green buildings and provides opportunities for designers to claim numerous LEED® prerequisites and points.

1. The Multi V III system uses environmentally friendly refrigerant R410A.
2. Unlike traditional applied air conditioning systems using chilled water or condenser water, the air-to-air Multi V III system does not use water or evaporative cooling that requires make-up water nor does it require any water treatment chemicals.
3. The Multi V III system offers exceptional energy performance by using state-of-the-art controls, high efficiency variable speed condenser and evaporator fan assemblies, and a combination of variable and constant speed compressors that provide unmatched unloading performance.
4. The modular design of the Multi V III system uses multiple indoor units allowing the designer to provide individualized control for each occupant.
5. LG's family of local, central, building management controllers, and communication gateways make it easy to monitor energy usage and control the Multi V III system operations based on building usage or indoor air quality.

AHRI CERTIFIED™
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

U.S. GREEN BUILDING COUNCIL MEMBER

Caring for Environment • R 410A • LG Air Conditioner

COMMISSIONING AND TROUBLESHOOTING

Installation and Commissioning Support

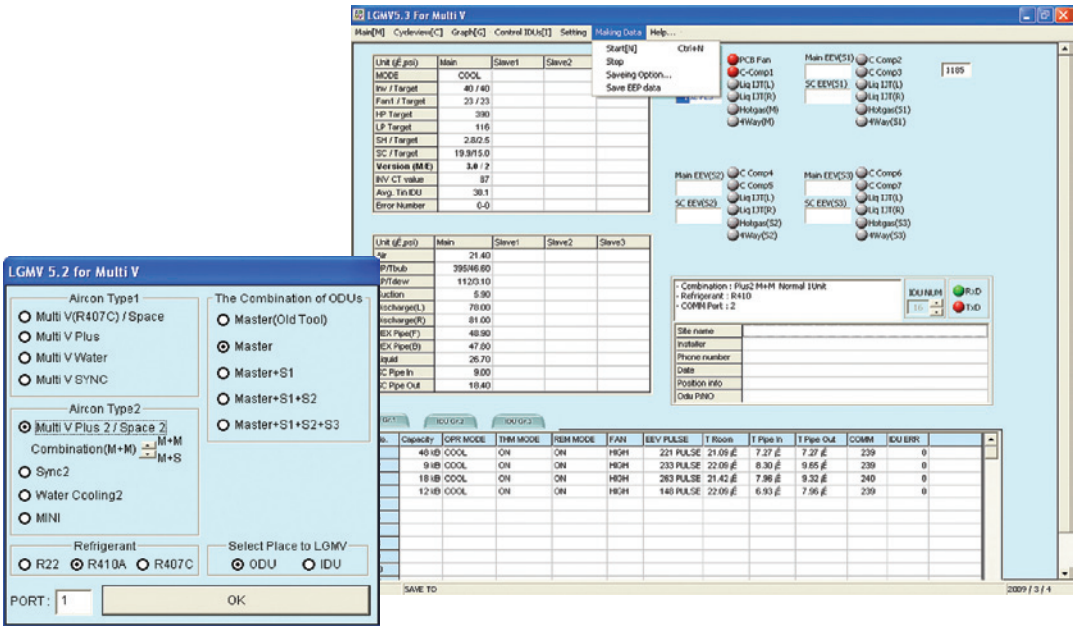
LG is committed to the success of every Multi V III project. Proper installation is important to operation and system longevity. Installation and commissioning training conducted at our training centers will provide the knowledge and tools to properly install Multi V systems. For on site startup and commissioning, our technical staff or an approved technical agent will be on hand to record system operation to start the warranty validation process.

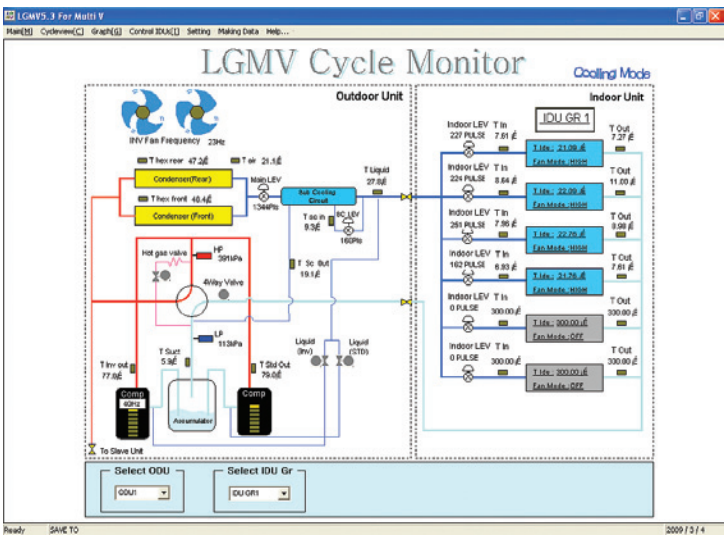
LGMV (LG Monitoring View) Service Tool

Aligning with LG's commitment to quality, the LGMV service tool provides the user a window into the inner workings of our very sophisticated operating systems. From a laptop computer, this tool is used to monitor low side and high side pressures, status of liquid injection, hot gas by-pass valves, operating frequency of the inverter compressor and condenser fan motors, electronic expansion valve (EEV) position and fan status for all connected indoor units. The software provides an accurate picture of an operating system without the need to manually check system temperatures, 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.

Easy to maintain

Though highly advanced, Multi V III equipment is simple to maintain, mainly consisting of cleaning filters. Fan motors use permanently lubricated ball bearings. The nonmetallic condenser fan blades don't rust and attenuate vibration. The specially designed louvered fin coils are as quick and easy to clean as any outdoor unit coil on the market today. LGMV software provides a window into the system for the technician to quickly check operating conditions as part of an annual or semi-annual maintenance program.


LGMV 5.2 for Multi V
Aircon Type1
Multi V(R407C) / Space
Multi V Plus
Multi V Water
Multi V SYNC
Aircon Type2
Multi V Plus 2 / Space 2
Combination(M+M)
M+M
M+S
Sync2
Water Cooling2
MINI
Refrigerant
R22
R410A
R407C
The Combination of ODUs
Master(Old Tool)
Master
Master+S1
Master+S1+S2
Master+S1+S2+S3
Select Place to LGMV
ODU
IDU
PORT: 1
OK


LGMV Cycle Monitor
Cooling Mode
Outdoor Unit
Indoor Unit
IDU GR 1
Select ODU
Select IDU Gr

TRAINING

At LG, we are committed to excellence in Multi V III design and installation training. We offer comprehensive training for engineers, architects, installers and servicers to ensure Multi V installation projects are successful.

Engineers and Architects

We have designed a comprehensive workshop tailored to specifying engineers and architects. Training includes a complete product and controls introduction which explains advanced features and benefits of the LG Multi V III system. A live tutorial covers the setup and use of the LATS™ Multi V design and layout software. A standard feature of all LG training is open forum interaction between the facilitator and all attendees.

Installers and Commissioners

The installation and commissioning course addresses installation, piping, and wiring of Multi V III systems. In depth technical topics are covered for all systems. Lab activities are designed to reinforce classroom discussion, including topics such as V-Net™ controls. Time is also set aside to provide hands-on experience using LGMV (commissioning and troubleshooting software) used on operating equipment in our training labs.

MULTI V III UNITS

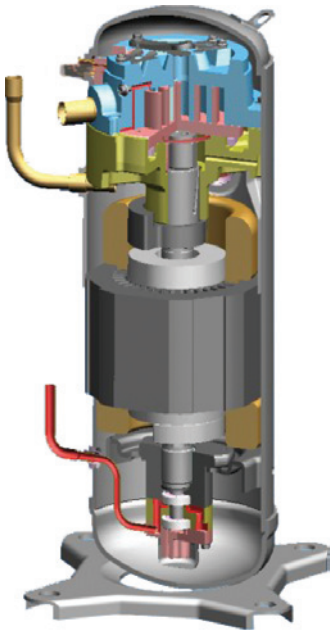
MULTI V™ III
Heat Pump

MULTI V™ III
Heat Recovery

Advanced Compressor Technology

OIL MANAGEMENT

The oil management system ensures a reliable oil film on moving parts, even at low speed operation down to 20 Hz. Concern over oil migration is minimized. The compressor discharge is designed to minimize the amount of oil leaving the compressor. Oil that may leave the compressor is brought back to the compressor using an oil separator after the discharge, and an oil return control algorithm.



INVERTER TECHNOLOGY

With compressors optimized around R410A and the latest inverter technology, the LG Multi V III system precisely matches the load. This helps prevent constant cycling resulting in tight temperature control, superior dehumidification, and optimized system efficiency. Occupants will stay comfortable while reducing utility costs.

DUAL COMPRESSORS

Multi V III takes advantage of a digitally controlled (DC) inverter and constant speed compressor combination that maximizes efficiency while precisely matching load. Every compressor runs most efficiently at full load. The inverter drive on the first compressor matches the load exactly, recapturing the efficiency of a partially loaded compressor while eliminating compressor cycling. The constant speed compressor will run in more heavily loaded conditions, taking the majority of the load running in its most efficient operating range. This inverter and constant speed compressor combination adds redundancy to the system and also allows for lower load operation than a single inverter design.

Inverter

DC Inverter Compressor

Constant speed Compressor

Heat Transfer Efficiency

FIN DESIGN

All Multi V III outdoor units use louvered fin coils engineered to increase surface area enabling more efficient heat transfer. The louvered fin coil decreases compressor lift reducing energy consumption without adding difficulty to coil cleaning.

GoldFin™

All Multi V III outdoor unit coils have a corrosion resistant GoldFin™ coating standard from the factory. Corrosion shortens coil life and adds a barrier to efficient heat transfer. GoldFin™ will promote sustainable efficiency and coil life by helping to prevent corrosion caused by everyday pollutants.

MULTI V III Outdoor Units

LG Multi V III consists of two distinct products that will fit most applications. With long and flexible piping, the Multi V III system can reduce installation cost by reaching that last zone in the building that would otherwise require an additional outdoor unit and piping network.

Ton	6	8	10	12	14	16
MBh	72	96	120	144	168	192

MULTI V III Heat Pump
208V/230V-60Hz-3ø
pg. 32

MULTI V III Heat Pump
460V-60Hz-3ø
pg.34

MULTI V III Heat Recovery
208V/230V-60Hz-3ø
pg. 36

MULTI V III Heat Recovery
460V-60Hz-3ø
pg. 38

18	20	22	24	26	28	30	32	34	36
216	240	264	288	312	336	360	384	408	432








MULTI V III Heat Pump

The Multi V III Heat Pump is a two pipe heat pump system that is available in capacities from 6 to 36 tons. This system is best suited for applications that require either heating or cooling, such as large office buildings with a common exposure, hotel ballrooms, and meeting areas. Multi V III heat pump units are available in 208-230V and 460V three phase and outdoor fans can be ducted up to 0.32 in. external static pressure.

Heating: -4°F to 60°F (wet bulb)
Cooling: 23°F to 115°F (dry bulb)

* For more information see page 32

- Piping length (equivalent)
  - Total 3280 ft.
  - Longest 738 ft.
  - From first branch 295 ft.
- Elevation
  - Outdoor above indoor 360 ft.
  - Indoor above outdoor 360 ft.
  - Indoor maximum separation 49 ft.

MULTI V III Heat Recovery

The Multi V III Heat Recovery unit is a three pipe Heat Pump system that is available in capacities from 6 to 36 tons. This system is best suited for diverse loads that require simultaneous heating and cooling in different zones, such as hotel guest rooms, high-rise residences, multiple tenant shopping, or any building that can utilize exposures from opposite sides or interior and exterior zones on the same system. Multi V III Heat Recovery units are available in 208-230V and 460V three phase and outdoor fans can be ducted up to 0.32 in. external static pressure.

Heating: -4°F to 60°F (wet bulb)
Cooling: 23°F to 115°F (dry bulb)

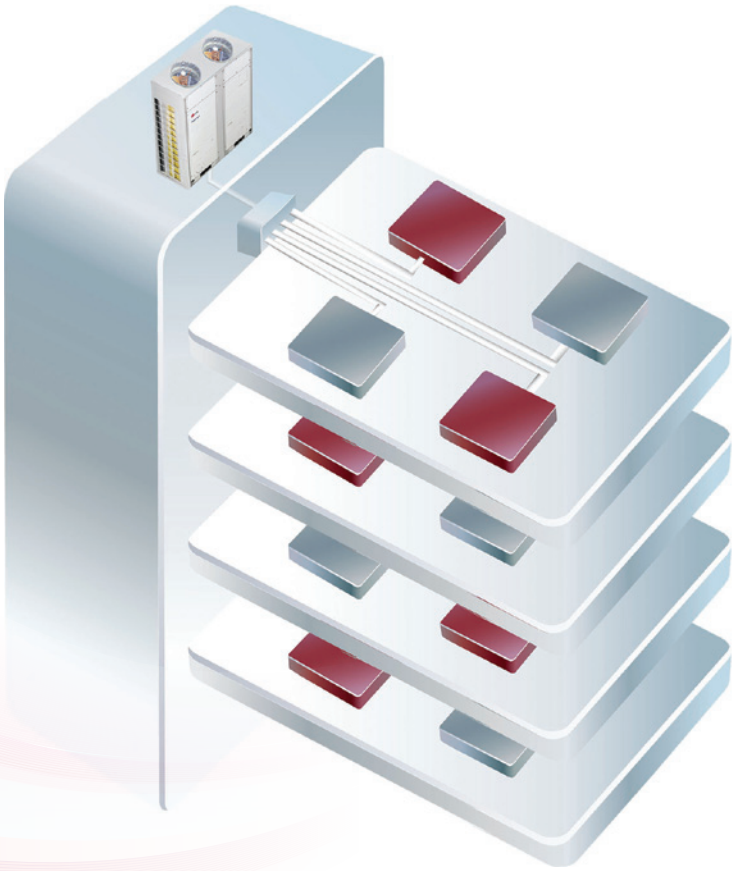
Simultaneous: Heating: 14°F to 60°F (wet bulb)
Cooling: 14°F to 81°F (dry bulb)

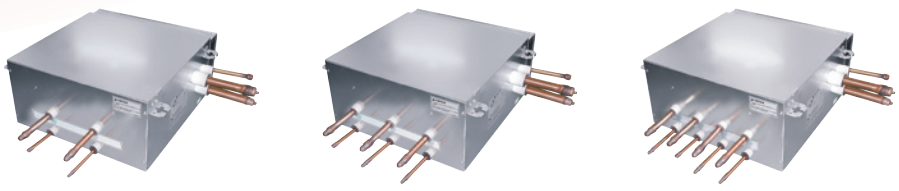
* For more information see page 36

- Piping length (equivalent)
  - Total 3280 ft.
  - Longest 738 ft.
  - From first branch 295 ft.
- Elevation
  - Outdoor above indoor 360 ft.
  - Indoor above outdoor 360 ft.
  - Indoor maximum separation 49 ft.

HEAT RECOVERY

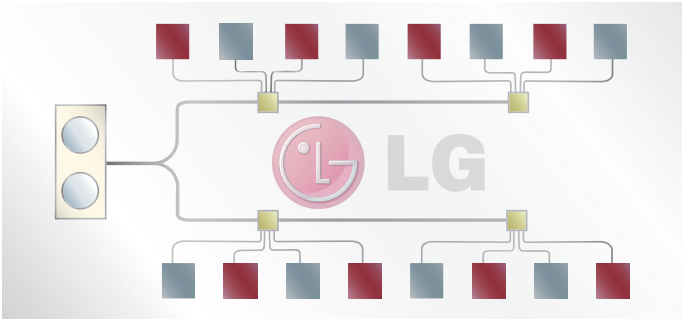
There is no better way to maximize efficiency than to increase condensing heat exchanger surface area and reject heat to zones that would otherwise require an additional system. Multi V III Heat Recovery is a three pipe system with heat recovery units that can turn some indoor units into zoned condensers providing heat while leaving others in cooling mode. Heat recovery with the Multi V III system provides full heating in its operating range to nearby zones in the same system. By pairing interior with exterior zones or eastern with western exposures, this system takes full advantage of building diversity. Heat can be moved from zones requiring cooling to zones that need heat, providing ultimate individual comfort control with minimal power consumption. In addition, under rapidly changing conditions, the Multi V III Heat Recovery units will change between heating and cooling in just three minutes.





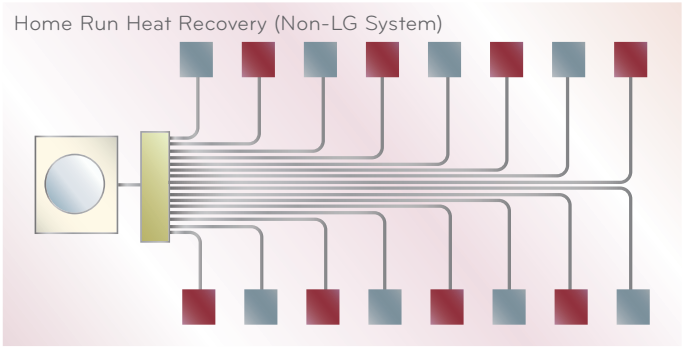
INSTALLATION

The Multi V III system combines the best features of heat recovery VRF systems. Condensate drains are not required for Multi V Heat Recovery units Heat recovery units that can serve 2, 3, or 4 zones are strategically placed in series or in parallel to maximize piping reach while minimizing material and labor costs. Piping, fittings, branches, headers, hangers, insulation, joints, nitrogen, and labor hours can be greatly reduced resulting in significantly lower installed cost.



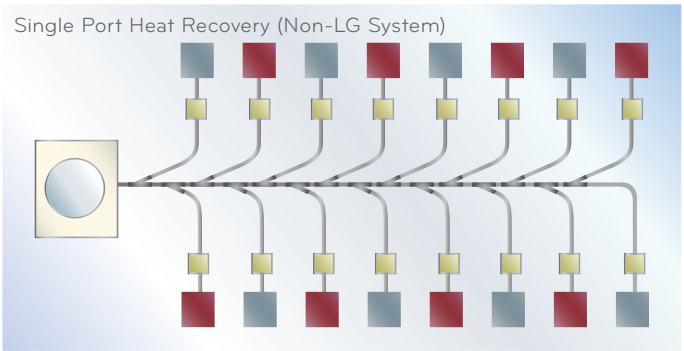
- Configured for fully independent heating and cooling
- Series and/or parallel configuration
- Short piping
- Few joints
- No heat recovery unit condensate drains
- Fast 3 minute mode change

Home Run Heat Recovery (Non-LG System)

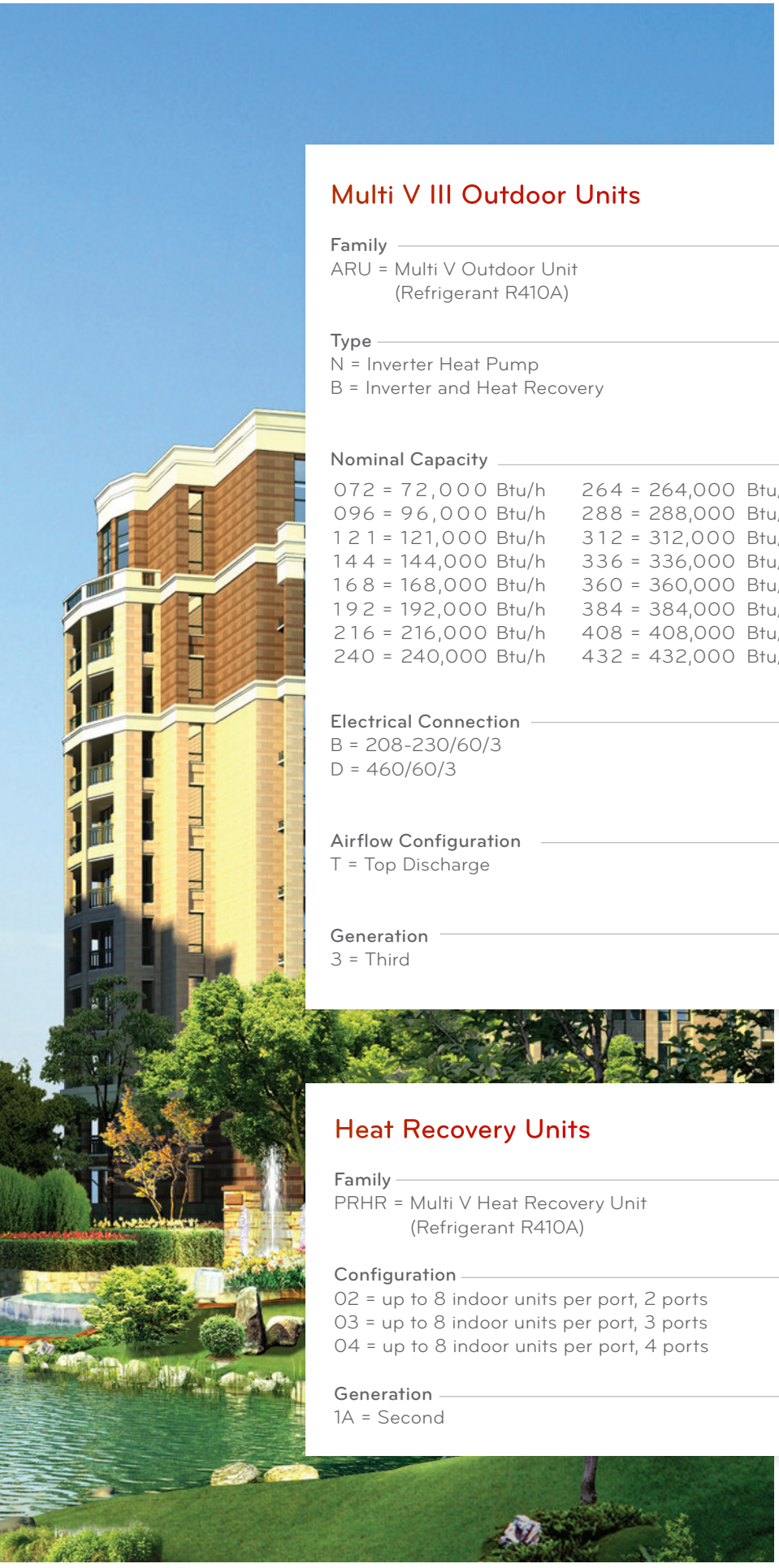


- Configured for fully independent heating and cooling
- Series configuration only
- Lengthy homerun piping
- May require heat recovery unit condensate drain

Single Port Heat Recovery (Non-LG System)



- Configured for fully independent heating and cooling
- Parallel configuration only
- Many heat recovery units for independent heating and cooling
- Numerous joints



Multi V III Outdoor Units

ARU | N | 072 | B | T | 3

Family
ARU = Multi V Outdoor Unit
(Refrigerant R410A)

Type
N = Inverter Heat Pump
B = Inverter and Heat Recovery

Nominal Capacity

072 = 72,000 Btu/h	264 = 264,000 Btu/h
096 = 96,000 Btu/h	288 = 288,000 Btu/h
121 = 121,000 Btu/h	312 = 312,000 Btu/h
144 = 144,000 Btu/h	336 = 336,000 Btu/h
168 = 168,000 Btu/h	360 = 360,000 Btu/h
192 = 192,000 Btu/h	384 = 384,000 Btu/h
216 = 216,000 Btu/h	408 = 408,000 Btu/h
240 = 240,000 Btu/h	432 = 432,000 Btu/h

Electrical Connection
B = 208-230/60/3
D = 460/60/3

Airflow Configuration
T = Top Discharge

Generation
3 = Third

Heat Recovery Units

PRHR | 04 | 1A

Family
PRHR = Multi V Heat Recovery Unit
(Refrigerant R410A)

Configuration
02 = up to 8 indoor units per port, 2 ports
03 = up to 8 indoor units per port, 3 ports
04 = up to 8 indoor units per port, 4 ports

Generation
1A = Second

MULTI V III
Heat Pump

Note :
1. Nominal Capacities are outside the scope of AHRI Standard 1230.
2. Rated Capacities are in accordance with AHRI Standard 1230.
3. AHRI Standard 1230 does not apply to units larger than 300,000 Btu/h rated capacity.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 1996.
5. EER, IEER, COP (rated at 47°F) mentioned in the tables below is applied with non-ducted indoor units. Values are subject to change without notice. Performance data found on the AHRI website http://www.ahridirectory.org supersedes the data found in this catalog.
6. Due to our policy of innovation some specifications may be changed without notification.

208-230V/60Hz/3ø

Model			ARUN • • • BT3	072	096	121	144
Ton				6	8	10	12
Nominal Capacity	Cooling	Btu/h		72,000	96,000	120,000	144,000
	Heating	Btu/h		81,000	108,000	135,000	152,000
Rated Capacity	Cooling	Btu/h		69,000	92,000	114,000	138,000
	Heating	Btu/h		77,000	103,000	129,000	154,000
EER	Cooling	Btu/W-h		12.4	13.6	12.5	11.5
IEER	Cooling	Btu/W-h		21.8	20.6	19.0	17.5
COP	Heating	W/W		3.52	3.53	3.45	3.40
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions(W×H×D)		inch		36.2 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9
Net Weight		lbs		418	617	617	617
Sound Pressure		dB(A)		57	58	58	58
Fan	Type			Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		6,300	7,400	8,500	8,800
Compressor	Type			DC Scroll	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1	1 + 1	1 + 1	1 + 1
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A
	Charge	lbs		12.1	20.7	20.7	20.7
	Control			EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				13	16	20	23

208-230V/60Hz/3ø

Model			ARUN • • • BT3	168 072 096	192 072 121	216 072 144	240 096 144	264 121 144	288 144 144
Ton				14	16	18	20	22	24
Nominal Capacity	Cooling	Btu/h		168,000	192,000	216,000	240,000	264,000	288,000
	Heating	Btu/h		189,000	216,000	243,000	270,000	297,000	324,000
Rated Capactiy	Cooling	Btu/h		160,000	184,000	206,000	228,000	250,000	274,000
	Heating	Btu/h		180,000	206,000	230,000	256,000	282,000	308,000
EER	Cooling	Btu/W-h		12.3	11.65	11.2	11.6	11.3	11.2
IEER	Cooling	Btu/W-h		20.0	19.0	18.5	18.0	18.0	17.5
COP	Heating	W/W		3.59	3.55	3.53	3.37	3.33	3.30
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions(W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x1	(48.8 x 66.1 x 29.9) x1	(48.8 x 66.1 x 29.9) x1	(48.8 x 66.1 x 29.9) x1
Net Weight		lbs		418 + 617	418 + 617	418 + 617	617 + 617	617 + 617	617 + 617
Sound Pressure		dB(A)		61	61	61	61	61	61
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		13,700	14,800	15,100	16,200	17,300	17,600
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2	1 + 2	1 + 2	2 + 2	2 + 2	2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1+ 20.7	12.1+ 20.7	12.1 + 20.7	20.7 + 20.7	20.7 + 20.7	20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				29	32	35	39	42	45

208-230V/60Hz/3ø

Model			ARUN • • • BT3	312 072 096 144	336 072 121 144	360 072 144 144	384 096 144 144	408 121 144 144	432 144 144 144
Ton				26	28	30	32	34	36
Nominal Capacity	Cooling	Btu/h		312,000	336,000	360,00	384,000	408,000	432,000
	Heating	Btu/h		351,000	378,000	405,000	432,000	459,000	486,000
Rated Capacity	Cooling	Btu/h		296,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
	Heating	Btu/h		334,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
EER	Cooling	Btu/W-h		11.5	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
IEER	Cooling	Btu/W-h		18.0	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
COP	Heating	W/W		3.44	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions(W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2
Net Weight		lbs		418 + 617 + 617	418 + 617 + 617	418 + 617 + 617	617 + 617 + 617	617 + 617 + 617	617 + 617 + 617
Sound Pressure		dB(A)		62	62	62	63	63	63
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		22,500	23,600	23,900	25,000	26,100	26,400
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2 + 2	1 + 2 + 2	1 + 2 + 2	2 + 2 + 2	2 + 2 + 2	2 + 2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				52	55	58	61	64	64

MULTI V™ III
Heat Pump

Note :
1. Nominal Capacities are outside the scope of AHRI Standard 1230.
2. Rated Capacities are in accordance with AHRI Standard 1230.
3. AHRI Standard 1230 does not apply to units larger than 300,000 Btu/h rated capacity.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 1996.
5. EER, IEER, COP (rated at 47°F) mentioned in the tables below is applied with non-ducted indoor units. Values are subject to change without notice. Performance data found on the AHRI website http://www.ahridirectory.org supersedes the data found in this catalog.
6. Due to our policy of innovation some specifications may be changed without notification.

460V/60Hz/3ø

Model			ARUN • • • DT3	072	096	121	144
Ton				6	8	10	12
Rated Capacity	Cooling	Btu/h		69,000	92,000	114,000	138,000
	Heating	Btu/h		77,000	103,000	129,000	154,000
Nominal Capacity	Cooling	Btu/h		72,000	96,000	120,000	144,000
	Heating	Btu/h		81,000	108,000	135,000	162,000
EER	Cooling	Btu/W-h		12.4	13.6	12.5	11.5
IEER	Cooling	Btu/W-h		21.8	20.6	19.0	17.5
COP	Heating	W/W		3.52	3.53	3.45	3.40
Power Supply		V / Hz / ø		460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)		inch		36.2 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9
Net Weight		lbs		418	594	594	594
Sound Pressure		dB(A)		57	58	58	58
Fan	Type			Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		6,300	7,400	8,500	8,800
Compressor	Type			DC Scroll	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1	1+1	1+1	1+1
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A
	Charge	lbs		12.1	20.7	20.7	20.7
	Control			EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				13	16	20	23

460V/60Hz/3ø

Model			ARUN • • • DT3	168 072 096	192 072 121	216 072 144	240 096 144	264 121 144	288 144 144
Ton				14	16	18	20	22	24
Nominal Capacity	Cooling		Btu/h	168,000	192,000	216,000	240,000	264,000	288,000
	Heating		Btu/h	189,000	216,000	243,000	270,000	297,000	324,000
Rated Capacity	Cooling		Btu/h	160,000	184,000	206,000	228,000	250,000	274,000
	Heating		Btu/h	180,000	206,000	230,000	256,000	282,000	308,000
EER	Cooling		Btu/W-h	12.3	11.65	11.2	11.6	11.3	11.2
IEER	Cooling		Btu/W-h	20.0	19.0	18.5	18.0	18.0	17.5
COP	Heating		W/W	3.59	3.55	3.53	3.37	3.33	3.30
Power Supply			V / Hz / ø	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)			inch	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2
Net Weight			lbs	418 + 594	418 + 594	418 + 594	594 + 594	594 + 594	594 + 594
Sound Pressure			dB(A)	61	61	61	61	61	61
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)		cfm	13,700	14,800	15,100	16,200	17,300	17,600
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2	1 + 2	1 + 2	2 + 2	2 + 2	2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge		lbs	12.1 + 20.7	12.1 + 20.7	12.1 + 20.7	20.7 + 20.7	20.7 + 20.7	20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				29	32	35	39	42	45

460V/60Hz/3ø

Model			ARUN • • • DT3	312 072 096 144	336 072 121 144	360 072 144 144	384 096 144 144	408 121 144 144	432 144 144 144
Ton				26	28	30	32	34	36
Nominal Capacity	Cooling		Btu/h	312,000	336,000	360,000	384,000	408,000	432,000
	Heating		Btu/h	351,000	378,000	405,000	432,000	459,000	486,000
Rated Capacity	Cooling		Btu/h	296,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
	Heating		Btu/h	334,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
EER	Cooling		Btu/W-h	11.5	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
IEER	Cooling		Btu/W-h	18.0	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
COP	Heating		W/W	3.44	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
Power Supply			V / Hz / ø	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)			inch	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3
Net Weight			lbs	418 + 594 + 594	418 + 594 + 594	418 + 594 + 594	594 + 594 + 594	594 + 594 + 594	594 + 594 + 594
Sound Pressure			dB(A)	62	62	62	63	63	63
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)		cfm	22,500	23,600	23,900	25,000	26,100	26,400
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2 + 2	1 + 2 + 2	1 + 2 + 2	2 + 2 + 2	2 + 2 + 2	2 + 2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge		lbs	12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				52	55	58	61	64	64

MULTI V™ III
Heat Recovery

Note :
1. Nominal Capacities are outside the scope of AHRI Standard 1230.
2. Rated Capacities are in accordance with AHRI Standard 1230.
3. AHRI Standard 1230 does not apply to units larger than 300,000 Btu/h rated capacity.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 1996.
5. EER, IEER, COP (rated at 47°F) mentioned in the tables below is applied with non-ducted indoor units. Values are subject to change without notice. Performance data found on the AHRI website http://www.ahridirectory.org supersedes the data found in this catalog.
6. Due to our policy of innovation some specifications may be changed without notification.

208-230V/60Hz/3ø

Model			ARUB • • • BT3	072	096	121	144
Ton				6	8	10	12
Nominal Capacity	Cooling	Btu/h		72,000	96,000	120,000	144,000
	Heating	Btu/h		81,000	108,000	135,000	162,000
Rated Capacity	Cooling	Btu/h		69,000	92,000	114,000	138,000
	Heating	Btu/h		77,000	103,000	129,000	138,000
EER	Cooling	Btu/W-h		12.4	13.6	12.5	11.5
IEER	Cooling	Btu/W-h		21.8	20.6	19.0	17.5
COP	Heating	W/W		3.52	3.53	3.45	3.40
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions(W×H×D)		inch		36.2 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9
Net Weight		lbs		418	617	617	617
Sound Pressure		dB(A)		57	58	58	58
Fan	Type			Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		6,300	7,400	8,500	8,800
Compressor	Type			DC Scroll	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1	1+1	1+1	1+1
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A
	Charge	lbs		12.1	20.7	20.7	20.7
	Control			EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				13	16	20	23

208-230V/60Hz/3ø

Model			ARUB • • • BT3	168 072 096	192 072 121	216 072 144	240 096 144	264 121 144	288 144 144
Ton				14	16	18	20	22	24
Nominal Capacity	Cooling	Btu/h		168,000	192,000	216,000	240,000	264,000	288,000
	Heating	Btu/h		189,000	216,000	243,000	270,000	297,000	324,000
Rated Capacity	Cooling	Btu/h		160,000	184,000	206,000	228,000	250,000	274,000
	Heating	Btu/h		180,000	206,000	230,000	256,000	282,000	308,000
EER	Cooling	Btu/W-h		12.3	11.65	11.2	11.6	11.3	11.2
IEER	Cooling	Btu/W-h		20.0	19.0	18.5	18.0	18.0	17.5
COP	Heating	W/W		3.59	3.55	3.53	3.37	3.33	3.30
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions(W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2
Net Weight		lbs		418 + 617	418 + 617	418 + 617	617 + 617	617 + 617	617 + 617
Sound Pressure		dB(A)		61	61	61	61	61	61
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		13,700	14,800	15,100	16,200	17,300	17,600
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2	1 + 2	1 + 2	2 + 2	2 + 2	2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1 + 20.7	12.1 + 20.7	12.1 + 20.7	20.7 + 20.7	20.7 + 20.7	20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				29	32	35	39	42	45

208-230V/60Hz/3ø

Model			ARUB • • • BT3	312 072 096 144	336 072 121 144	360 072 144 144	384 096 144 144	408 121 144 144	432 144 144 144
Ton				26	28	30	32	34	36
Nominal Capacity	Cooling	Btu/h		312,000	336,000	360,000	384,000	408,000	432,000
	Heating	Btu/h		351,000	378,000	405,000	432,000	459,000	486,000
Rated Capacity	Cooling	Btu/h		296,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
	Heating	Btu/h		334,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
EER	Cooling	Btu/W-h		11.5	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
IEER	Cooling	Btu/W-h		18.0	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
COP	Heating	W/W		3.44	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
Power Supply		V / Hz / ø		208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3	208-230 / 60 / 3
Dimensions (W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3
Net Weight		lbs		418 + 617 + 617	418 + 617 + 617	418 + 617 + 617	617 + 617 + 617	617 + 617 + 617	617 + 617 + 617
Sound Pressure		dB(A)		62	62	62	63	63	63
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate High)	cfm		22,500	23,600	23,900	25,000	26,100	26,400
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2 + 2	1 + 2 + 2	1 + 2 + 2	2 + 2 + 2	2 + 2 + 2	2 + 2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				52	55	58	61	64	64

MULTI V™ III
Heat Recovery

Note :
1. Nominal Capacities are outside the scope of AHRI Standard 1230.
2. Rated Capacities are in accordance with AHRI Standard 1230.
3. AHRI Standard 1230 does not apply to units larger than 300,000 Btu/h rated capacity.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 1996.
5. EER, IEER, COP (rated at 47°F) mentioned in the tables below is applied with non-ducted indoor units. Values are subject to change without notice. Performance data found on the AHRI website http://www.ahridirectory.org supersedes the data found in this catalog.
6. Due to our policy of innovation some specifications may be changed without notification.

460V/60Hz/3ø

Model			ARUB • • • DT3	072	096	121	144
Ton				6	8	10	12
Nominal Capacity	Cooling	Btu/h		72,000	96,000	120,000	144,000
	Heating	Btu/h		81,000	108,000	135,000	162,000
Rated Capacity	Cooling	Btu/h		69,000	92,000	114,000	138,000
	Heating	Btu/h		77,000	103,000	129,000	154,000
EER	Cooling	Btu/W-h		12.4	13.6	12.5	11.5
IEER	Cooling	Btu/W-h		21.8	20.6	19.0	17.5
COP	Heating	W/W		3.52	3.53	3.45	3.40
Power Supply		V / Hz / ø		460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)		inch		36.2 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9	48.8 x 66.1 x 29.9
Net Weight		lbs		418	617	617	617
Sound Pressure		dB(A)		57	58	58	58
Fan	Type			Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		6,300	7,400	8,500	8,800
Compressor	Type			DC Scroll	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1	1+1	1+1	1+1
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A
	Charge	lbs		12.1	20.7	20.7	20.7
	Control			EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				13	16	20	23

460V/60Hz/3ø

Model			ARUB • • • DT3	168 072 096	192 072 121	216 072 144	240 096 144	264 121 144	288 144 144
Ton				14	16	18	20	22	24
Nominal Capacity	Cooling	Btu/h		168,000	192,000	216,000	240,000	264,000	288,000
	Heating	Btu/h		189,000	216,000	243,000	270,000	297,000	324,000
Rated Capacity	Cooling	Btu/h		160,000	184,000	206,000	228,000	250,000	274,000
	Heating	Btu/h		180,000	206,000	230,000	256,000	282,000	308,000
EER	Cooling	Btu/W-h		12.3	11.65	11.2	11.6	11.3	11.2
IEER	Cooling	Btu/W-h		20.0	19.0	18.5	18.0	18.0	17.5
COP	Heating	W/W		3.59	3.55	3.53	3.37	3.33	3.30
Power Supply		V / Hz / ø		460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 1	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 2
Net Weight		lbs		418 + 617	418 + 617	418 + 617	617 + 617	617 + 617	617 + 617
Sound Pressure		dB(A)		61	61	61	61	61	61
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		13,700	14,800	15,100	16,200	17,300	17,600
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2	1 + 2	1 + 2	2 + 2	2 + 2	2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1 + 20.7	12.1 + 20.7	12.1 + 20.7	20.7 + 20.7	20.7 + 20.7	20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				29	32	35	39	42	45

460V/60Hz/3ø

Model			ARUB • • • DT3	312 072 0936 144	336 072 121 144	360 072 144 144	384 096 144 144	408 121 144 144	432 144 144 144
Ton				26	28	30	32	34	36
Nominal Capacity	Cooling	Btu/h		312,000	336,000	360,000	384,000	408,000	432,000
	Heating	Btu/h		351,000	378,000	405,000	432,000	459,000	486,000
Rated Capacity	Cooling	Btu/h		296,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
	Heating	Btu/h		334,000	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
EER	Cooling	Btu/W-h		11.5	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
IEER	Cooling	Btu/W-h		18.0	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
COP	Heating	W/W		3.44	N/A[3]	N/A[3]	N/A[3]	N/A[3]	N/A[3]
Power Supply		V / Hz / ø		460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3	460 / 60 / 3
Dimensions(W×H×D)		inch		(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(36.2 x 66.1 x 29.9) x 1 (48.8 x 66.1 x 29.9) x 2	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3	(48.8 x 66.1 x 29.9) x 3
Net Weight		lbs		418 + 617 + 617	418 + 617 + 617	418 + 617 + 617	617 + 617 +617	617 + 617 +617	617 + 617 +617
Sound Pressure		dB(A)		62	62	62	63	63	63
Fan	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Air Flow Rate (High)	cfm		22,500	23,600	23,900	25,000	26,100	26,400
Compressor	Type			DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant	DC Scroll + Constant
	Number of compressors			1 + 2 + 2	1 + 2 + 2	1 + 2 + 2	2 + 2 + 2	2 + 2 + 2	2 + 2 + 2
Heat Exchanger				GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™	GoldFin™
Refrigerant	Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
	Charge	lbs		12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	12.1 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7	20.7 + 20.7 + 20.7
	Control			EEV	EEV	EEV	EEV	EEV	EEV
Maximum Number of Indoor Units				52	55	58	61	64	64

Accessories

Air Guide
(PRAGX2SO & PRAGX3SO)

An optional air guide is available for Multi V outdoor units to change the discharge direction from vertical to horizontal.

Use PRAGX2SO air guides with the following models : ARUN072BT3, ARUN072DT3, ARUB072BT3, ARUB072DT3.

Use PRAGX3SO air guides with the following models : ARUN096BT3, ARUN121BT3, ARUN144BT3, ARUN096DT3, ARUN121DT3, ARUN144DT3, ARUB096BT3, ARUB121BT3, ARUB144BT3, ARUB096DT3, ARUB121DT3, ARUB144DT3.

Headers and Y-Branches

Headers and Y-Branches are specially designed and manufactured under tight quality control for low pressure drop to ensure the Multi V system operates at peak performance with the longest piping runs in the industry.

LGMV Software
(PRCTSL1, PRCTFE1)

LGMV software is a service tool that allows users to view the operating conditions of the Multi V system. Software + Cables - PRCTSL1 + PRCTFE1

Note: For detailed indoor unit and controls information, see separate Indoor Unit and Controls Catalogs.

The LG Air Conditioning Support System

For support with VRF Multi V systems, contractors can contact LG at 1-888-865-3026.

Notes

Notes

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AHRI Standard 1230

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