

# Duct-Free Systems



Turn to the Experts.™



# Carrier® Duct-Free Comfort Solutions

## Duct Issues Are No Problem for the World's Largest HVAC Innovator

At this moment, in millions of homes and businesses around the world, people are getting comfortable with Carrier. Carrier has provided comfort for some of the world's most unique, demanding and high-profile locations like the White House, the Sistine Chapel and Chicago's Sears Tower. We've tunneled seven thousand feet below the ground in a Brazilian gold mine, soared into the stratosphere on supersonic jets and have been just about everywhere else in between.

The world's largest manufacturer of HVAC systems and equipment, Carrier ships a new product every three seconds. But we deliver more than just the hardware. We provide innovative total comfort solutions backed by world-class factory support. So when your customers' comfort challenges demand Duct-Free systems, one name should come to mind: Carrier.

### Expert Solutions for Every Need

Carrier Duct-Free systems are the natural choice for applications where ductwork is impractical or prohibitively expensive to install. They can create an oasis of comfort along with the pleasure of silence, the harmony of design and the quality of air. Add the reduction in energy consumption and the gentle caring for the environment and you have a solution everyone can be comfortable with.

While many competitors specialize in duct-free systems only, Carrier focuses on the bigger picture of delivering solutions. Our comprehensive product offering of ducted and duct-free, commercial and residential equipment puts you in a position to always offer the right equipment for any comfort application.

### World-Class Quality Backed by the Experts

Carrier has been the world's leading indoor comfort innovator since 1902. Our Duct-Free products add to that legacy with a comprehensive family of equipment engineered for superior performance and backed by the most extensive distribution network in the nation. That means you can tell your customers with confidence that professional Carrier support is available when they need it where they need it.

### Duct-Free Can Be Chlorine-Free with Puron® Refrigerant

Our history is full of industry firsts dating back to the day Willis Carrier became the father of modern air conditioning. One of our proudest moments in recent history came in 1996 when we broke new ground with the first air conditioners to offer chlorine-free cooling. Fast-forward to today, and our competitors are still playing catch-up while we continue to build on our experience and offer a full line of Puron® Duct-Free models.



## Anywhere and Everywhere, Duct-Free is the Right Choice

Carrier® Duct-Free systems include a matched combination of an outdoor condensing unit and your choice of several compact, decorative indoor fan coil units, connected only by refrigerant tubing and wires. We offer indoor units designed to be mounted high on a wall, under the ceiling, or in-ceiling to deliver conditioned air directly to the occupied space. They allow for inexpensive, creative solutions to numerous design challenges, including:

- Add-ons to a current space such as an office, family room or bedroom additions
- Special space requirements like a computer room or kitchen
- Adding air conditioning to spaces with hydronic or electric heat and no ductwork
- Historical renovations or any time it is essential to preserve the appearance of the original structure
- Any room where individual comfort control is desired - a home office, home theater or sunroom
- High security areas - Duct-Free products require a hole just 3" in diameter for refrigerant tubing
- An elegant alternative to using a window unit

## Free of Ducts, Full of Benefits

### Comfort

Carrier Duct-Free systems deliver comfort where ducted systems can't. Motorized louvers controlled by the user ensure excellent distribution to every part of the space.

### Quiet Operation

Total comfort extends beyond temperature control to include quiet, unobtrusive operation.

### Economy

Comfort is delivered where and when it's needed, not throughout the entire home or business. That means extra economy beyond the 13.0 SEER cooling efficiency.

### Built-In Reliability

Enjoy comfort and peace of mind with a trouble-free design, rigorous reliability qualifications and built-in safety features, all backed by Carrier.

### Individual Room Comfort and Maximum Versatility

Individual set points, controls and sweep features maximize comfort, eliminate hot and cold spots and add the versatility to match the most challenging comfort needs.

### Simple Operation

Most units can be controlled with an easy to use infrared wireless remote control or optional wired control on most units.

### Easy Installation, Attractive Appearance

The compact and lightweight indoor units feature neutral colors to match any décor. Designer colors provide options for our high wall units, and all offer simple, flexible installation to minimize disruptions.





# Puron® High Wall Systems

- Versatile, duct-free solutions for secure areas, home or business add-ons, converted spaces, hydronic heat upgrades and more
- Attractive, contoured cabinets blend with any décor
- Motorized louvers for optimum air distribution
- Infrared remote for convenient control
- Timer and sleep mode for customized comfort
- Easy installation and maintenance with self-diagnostics and easy access to controls, coils and filters

## Wall-Mounted Solutions for Challenging Applications

Don't let the ultra-slim cabinet and optional designer colors\* fool you. Carrier® High Wall Duct-Free systems offer serious comfort solutions for both residential and commercial applications, including:

- **Secure areas** that can remain safe AND be comfortable with only a 3" hole needed to run refrigerant piping
- **Areas with hydronic heat** and a window unit just don't seem appropriate or adequate
- **Rooms with unique loads** or where duct installation is impossible or prohibitively expensive
- **Room additions** like a sunroom, an extra living space, a playroom or even converted garages
- **Specialty rooms** such as a home theater, workshop or exercise room

*\*Performance Series 18K and 24K only*



Model 40QNC/QNQ



Model MVC/MVQ



## Features That Help You Sell

Beyond the aesthetics that come with a wall-hugging, attractive design, Carrier® High Wall systems offer enhanced comfort, ease of use and energy savings. Motorized louvers direct conditioned air where it's needed most to maximize the customer's comfort. A built-in timer adds convenience by turning on or shutting off the unit automatically. A sleep mode extends the system's efficiency by lowering or raising the set point automatically while people are asleep. In addition, the indoor fan coil units are extremely quiet, so your customers can truly relax and enjoy their comfort.



## The Solution That Fits

Available as an air conditioner or heat pump, Carrier High Wall Duct-Free systems are engineered with the flexibility to adapt. You can meet the maximum number of application challenges with the minimum number of headaches, so your customers can start getting comfortable, quickly and easily.

- **Wired' OR wireless** control options to meet customer and installation needs. Infrared remote is standard equipment.
- **Condensate pump** allows for dependable condensate removal in a wider variety of installations.
- **Low-ambient temperature operation** as low as -20° F. (with low-ambient kit)
- **Designer colors<sup>2</sup>** allow you to go neutral, match or complement décor.
- **Ultra-slim design** makes indoor unit as unobtrusive as possible.

Chic Blue

Aqua Emerald

Pearl Violet

Sand Brown

\* See accessory chart.

### Cooling Only – Single-Speed System – Performance Series

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER
18,000	40QNC01824-3	38HDF018---3	13.0
24,000	40QNC01824-3	38HDF024---3	13.0
30,000	40QNC030---3	38HDF030---3	13.0
36,000	40QNC036---3	38HDF036---3	13.0
36,000	40QNC036---3	38HDF036---5	13.0
36,000	40QNC036---3	38HDF036---6	13.0

### Heat Pump – Single-Speed Systems – Performance Series

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER	HSPF
18,000	40QNQ018---3	38QRF018---3	13.0	7.7
24,000	40QNQ024---3	38QRF024---3	13.0	7.7
30,000	40QNQ030---3	38QRF030---3	13.0	7.7
36,000	40QNQ036---3	38QRF036---3	13.0	7.7
36,000	40QNQ036---3	38QRF036---5	13.0	7.7
36,000	40QNQ036---3	38QRF036---6	13.0	7.7

### Cooling Only

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER
9,000	40MVC009---1	38MVC009---1	13.0
12,000	40MVC012---1	38MVC012---1	13.0
12,000	40MVC012---3	38MVC012---3	13.0
18,000	40MVC018---3	38MVC018---3	13.0
24,000	40MVC024---3	38MVC024---3	13.0

### Heat Pump

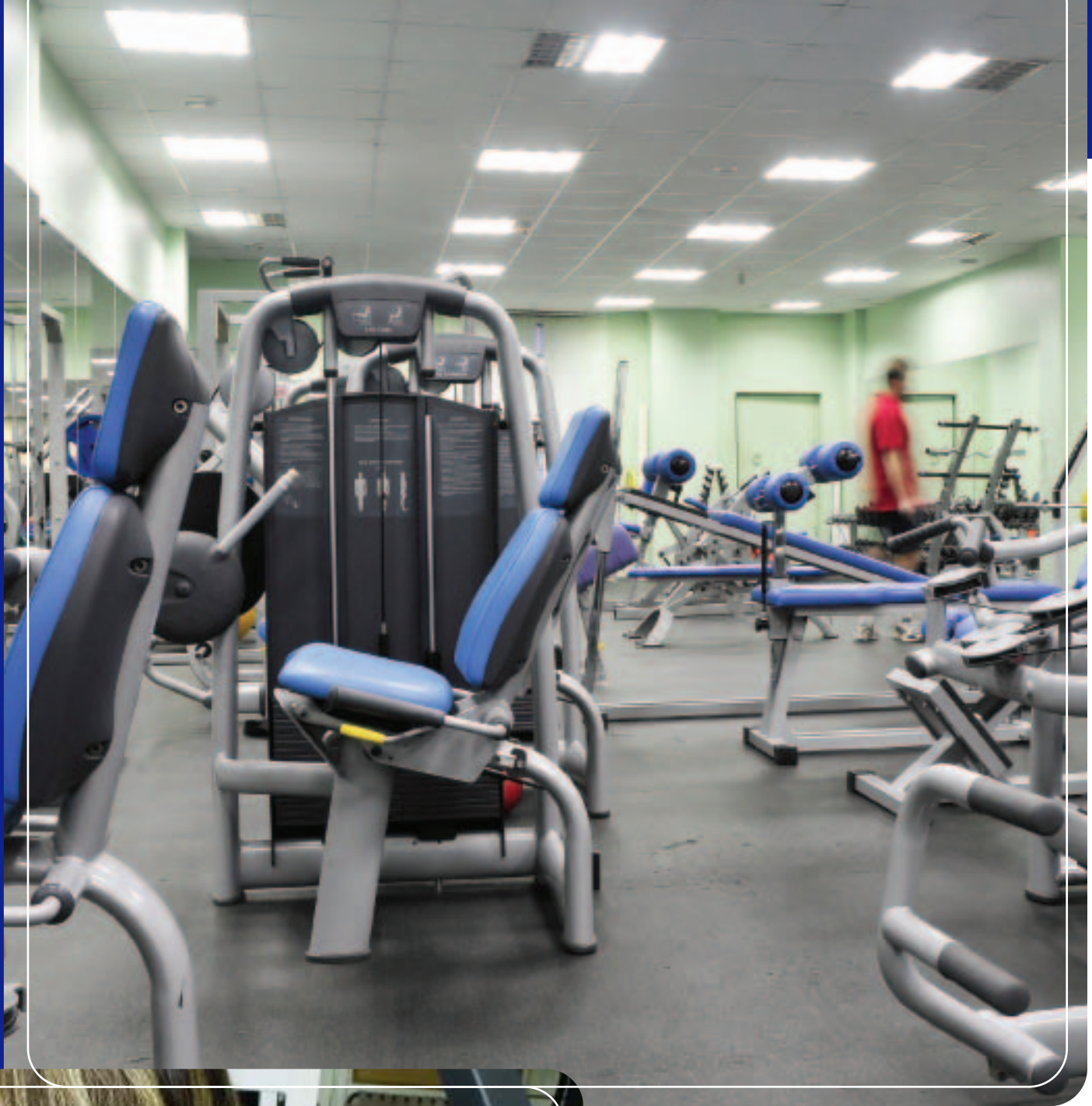
Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER	HSPF
9,000	40MVQ009---1	38MVQ009---1	13.0	7.7
12,000	40MVQ012---1	38MVQ012---1	13.0	7.7
12,000	40MVQ012---3	38MVQ012---3	13.0	7.7
18,000	40MVQ018---3	38MVQ018---3	13.0	7.7

1) Performance Series only

2) Performance Series 18K and 24K only







# Puron® Under Ceiling Systems



## The Applications You Need

Carrier® Under Ceiling systems provide the widest range of answers for delivering quiet, effective comfort in areas where above ceiling or wall space is not available. Places like schools, restaurants, garages and gyms are typical candidates for these products.

## The Flexibility You Demand

Carrier Under Ceiling fan coils are the perfect fit with installation flexibility that makes your life easier. Start with the widest range of sizes in the industry from 1.5-ton units up to 5-ton models. Then, add accessories like low ambient operation down to -20° F... variable fresh air intake...a condensate pump...electric heat...versatile controls...and the ability to run up to 200 feet of refrigerant lines. It all adds up to a winning product in every sense.

## Features

- Extremely quiet operation
- 24-volt controls and three control options can interface with energy management systems
- Auto louvers provide even, comfortable air distribution
- Low-ambient accessory
- Fresh air intake accessory
- Long refrigerant lines up to 200 ft



### Cooling Only – Performance™ Series

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER
18,000	40QAC024---3	38HDR018---3	13.0
24,000	40QAC024---3	38HDR024---3	13.0
30,000	40QAC036---3	38HDR030---3	13.0
36,000	40QAC036---3	38HDR036---3	13.0
36,000	40QAC036---3	38HDR036---5	13.0
36,000	40QAC036---3	38HDR036---6	13.0
48,000	40QAC048---3	38HDR048---3	13.0
48,000	40QAC048---3	38HDR048---5	13.0
48,000	40QAC048---3	38HDR048---6	13.0
60,000	40QAC060---3	38HDR060---3	13.0
60,000	40QAC060---3	38HDR060---5	13.0
60,000	40QAC060---3	38HDR060---6	13.0

### Heat Pump - Fan Coils have Supplemental Electric Heat: Commercial Grade – 38QRR

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	SEER	HSPF
18,000	40QAQ024---3	38QRR018---3	13.0	7.7
24,000	40QAQ024---3	38QRR024---3	13.0	7.7
30,000	40QAQ036---3	38QRR030---3	13.0	7.7
36,000	40QAQ036---3	38QRR036---3	13.0	7.7
36,000	40QAQ036---3	38QRR036---5	13.0	7.7
36,000	40QAQ036---3	38QRR036---6	13.0	7.7
48,000	40QAQ048---3	38QRR048---3	13.0	7.7
48,000	40QAQ048---3	38QRR048---5	13.0	7.7
48,000	40QAQ048---3	38QRR048---6	13.0	7.7
60,000	40QAQ060---3	38QRR060---3	13.0	7.7
60,000	40QAQ060---3	38QRR060---5	13.0	7.7
60,000	40QAQ060---3	38QRR060---6	13.0	7.7



# Puron® In-Ceiling Cassette Systems

## Features

- Quiet comfort, perfect for offices and conference rooms
- Optimized air distribution with options for 2, 3 or 4 sides, continuous swing or stationary
- Diagnostics for easier troubleshooting
- Easy, convenient service from bottom of unit
- Outside air power ventilation kit
- Ability to condition an adjacent space
- Low-ambient accessory
- Long refrigerant lines up to 200 ft



## For Unique, Commercial Applications

Carrier® In-Ceiling fan coils fill the need for mostly commercial spaces with a false ceiling or unique load requirements. Typical applications for these systems include offices, conference rooms or lobbies.

## Installation Ease and Flexibility

Carrier In-Ceiling Cassette systems offer all of the design and installation flexibility of our Under Ceiling units. In addition, you can count on the option of wired or wireless controls, 2-, 3- or 4-way air distribution, and the ability to condition an adjacent room.



### Cooling Only – Performance™ Series

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	Grill Model	SEER
18,000	40KMC018---3	38HDF018---3	40KMC9005	13.0
24,000	40KMC024---3	38HDF024---3	40KMC9006	13.0
30,000	40KMC03036-3	38HDF030---3	40KMC9006	13.0
36,000	40KMC03036-3	38HDF036---3	40KMC9006	13.0
36,000	40KMC03036-3	38HDF036---5	40KMC9006	13.0
36,000	40KMC03036-3	38HDF036---6	40KMC9006	13.0

### Heat/Cool – Fan Coils have Supplemental Electric Heat (3KW) with Performance™ Series Cooling Only Condenser

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	Grill Model	SEER
18,000	40KMQ01824-3	38HDF018---3	40KMC9006	13.0
24,000	40KMQ01824-3	38HDF024---3	40KMC9006	13.0
30,000	40KMQ03036-3	38HDF030---3	40KMC9006	13.0
36,000	40KMQ03036-3	38HDF036---3	40KMC9006	13.0
36,000	40KMQ03036-3	38HDF036---5	40KMC9006	13.0
36,000	40KMQ03036-3	38HDF036---6	40KMC9006	13.0

### Heat Pump - Fan Coils have Supplemental Electric Heat (3KW) with Performance™ Series Condenser

Nominal Capacity/Btu/Hr	Indoor Model	Outdoor Model	Grill Model	SEER	HSPF
18,000	40KMQ01824-3	38QRF018---3	40KMC9006	13.0	7.7
24,000	40KMQ01824-3	38QRF024---3	40KMC9006	13.0	7.7
30,000	40KMQ03036-3	38QRF030---3	40KMC9006	13.0	7.7
36,000	40KMQ03036-3	38QRF035---3	40KMC9006	13.0	7.7
36,000	40KMQ03036-3	38QRF035---5	40KMC9006	13.0	7.7
36,000	40KMQ03036-3	38QRF035---6	40KMC9006	13.0	7.7





# Performance™ Series 13.0 SEER Puron® Condensing Units and Heat Pumps



## The Ultimate Problem Solver

Higher energy efficiency standards have dictated the use of larger products and often, the challenge becomes where does the outdoor unit go? When space is limited or there are sound ordinances and a noisy outdoor unit is not an option, the Carrier® Performance™ Series 13.0 SEER Puron® condensing units and heat pumps are an excellent solution. They give you the ability to solve your customer's problem without compromising comfort or performance.

## Ultra Compact

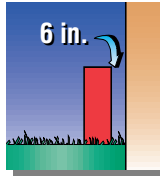
This remarkably compact unit is about one-third smaller than a standard condensing unit of similar capacity. That opens up a world of installation possibilities - ground, roof, balcony, under a deck, wall mounted and more. To make your job even easier, these stackable units require just 6" of clearance from a wall and are configured for easy installation, maintenance and service.





## Ultra-Quiet Operation

In addition to helping keep your customers comfortable, the Performance™ Series 13.0 SEER Puron® outdoor unit offers ultra-quiet operation. Our advanced horizontal air-flow design distributes air more evenly over the coil. The coil acts as an extra sound-suppressing device, and low velocity discharge minimizes noise from turbulence. When sound ordinances and proximity to neighbors require special attention, this unit delivers.



## Features:

- **Installation flexibility** with up to 200 ft. line length, multi-voltage and phase 036 - 060
- **Lasting durability** with solid brass service valves and galvanized steel casing with zinc phosphate coating
- **Reliability features** built in with high-pressure, low-pressure and loss-of-charge safety switches, lock out protection and scroll compressor
- **Peace of mind** through warranty protection - five years on parts and a 10-year compressor warranty when installed with a residential fan coil or furnace coil

## Accessories:

- Field-installed, low-ambient controller (-20° F)
- Winter start
- Wind baffle, stacking kit and wall mount kit



## Cooling Only

Model A	Nominal Capacity/Btu/Hr	SEER
38HDR018---3	18,000	13.0
38HDR024---3	24,000	13.0
38HDR030---3	30,000	13.0
38HDR036---3	36,000	13.0
38HDR036--5	36,000	13.0
38HDR036--6	36,000	13.0
38HDR048---3	48,000	13.0
38HDR048--5	48,000	13.0
38HDR048--6	48,000	13.0
38HDR060---3	60,000	13.0
38HDR060--5	60,000	13.0
38HDR060--6	60,000	13.0

## Heat Pump

Model B	Nominal Capacity/Btu/Hr	SEER	HSPF
38QRR018---3	18,000	13.0	7.7
38QRR024---3	24,000	13.0	7.7
38QRR030---3	30,000	13.0	7.7
38QRR036---3	36,000	13.0	7.7
38QRR036--5	36,000	13.0	7.7
38QRR036--6	36,000	13.0	7.7
38QRR048---3	48,000	13.0	7.7
38QRR048--5	48,000	13.0	7.7
38QRR048--6	48,000	13.0	7.7
38QRR060---3	60,000	13.0	7.7
38QRR060--5	60,000	13.0	7.7
38QRR060--6	60,000	13.0	7.7



# System Controls and Accessories

## Controls

For application flexibility and the ability to offer your customers the right solution to their comfort needs, Carrier® provides a number of control choices for our Duct-Free systems.

- Standard wireless infrared remote for all High Wall systems
- Optional wired control for 18 - 36K Performance™ Series High Wall systems
- Three control choices for Under Ceiling units
- Wired and wireless controls for In-Ceiling cassette units

## Feature-Rich Yet Simple to Use Controls for Puron® High Wall and In-Ceiling Cassette Units

- Ergonomically designed handset for ease of use
- Current time and temperature displays
- Setback mode and daily countdown start/stop timer for energy-saving operation
- Dehumidification mode for added comfort
- Auto changeover between cooling and heating
- Auto sweep or user selectable louver position for optimum air distribution
- Auto or user selectable fan speeds for comfort control
- Weekly programming option for additional efficiency and comfort



## Flexible 24-Volt Controls for Under Ceiling Units

Sold separately, our electronic, digital low-profile thermostats provide customized solutions for Carrier Duct-Free Under Ceiling systems, including:

- Slim Line (Heat Pump, Cool only)
- Flat Stat (Cool only)
- 5-1-1 Programmable (Cool only)

All of our Under Ceiling controls feature easy, push-button operation for temperature set points and auto changeover between heating and cooling. They also feature:

- Backlit LCD display with time, day and temperature readings
- Independent fan-only operation
- Locking keypad
- Clock backup
- Limited temperature override - for one hour
- Choice of °F or °C display
- 24-volt control for increased flexibility by allowing interface with standard controls
- Optional remote room sensor
- Energy management capability on Flat Stat and Slim Line

## Indoor Accessories

### Fresh Air Intake Power Vent Kit

For Under Ceiling and In-Ceiling systems, this kit allows you to introduce fresh air regardless of where the unit is mounted. A filter mounted at the fan coil unit gently cleanses outdoor air before it enters the conditioned space.

### Condensate Pump

Mounts inside with quick connections to provide added application flexibility (standard on the 40KM model).

### Remote Locking Mount

Great for high traffic or public areas, this accessory keeps the infrared remote securely in place.

### Colored Panels

Dress up our 18K - 24K Performance™ Series High Wall units with designer colors to better match interior décor.

## Outdoor Accessories

### Low-Ambient Kits

Controls fan operation in response to outdoor temperatures below 55° F and allows operation down to -20° F.

### Wind Baffle

Improves unit operation during high winds. Recommended accessory with low-ambient kit (only on 18K and above Performance Series™ units).

### Stacking Kit

Rails designed for stacking Performance Series™ 13.0 SEER Puron® condensing unit (018 and larger cooling only Performance Series™ units).

### Wall Mount Kit

Brackets can be used to raise unit above ground level or mount on wall.

### Crankcase Heater

For units with scroll compressor and recommended for low-ambient applications.

### Winter Start Kit

This SPST relay is required when the unit will be operating on cooling mode in ambient temperatures below 55° F (units equipped with low-pressure switch).

### Isolation Relay

Required on heat pump units for low-ambient cooling.





## OPTIONAL ACCESSORIES

### High Wall System – Indoor

Ordering No.	Description	For Models
53DS-900---059	Remote Control Locking Mount Kit	All 40MVC/MVQ
53DS-900---090	Remote Control Locking Mount Kit	All 40QNC/QNQ Series
53DS-900---062	Condensate Pump (115v)	40MVC/MVQ009---1 and 012---1
53DS-900---064	Condensate Pump (230v)	40MVC/MVQ012---3 thru 024---3, 40QNC01824, 40QNC018 and 024
53DS-900---084	Condensate Pump (230v)	40QNC/QNQ030 and 036
LGE-PANEL-BLUE	Colored Panel – Chic Blue	40QNC01824 and 40QNC018 and 024
LGE-PANEL-GREEN	Colored Panel – Aqua Emerald	40QNC01824 and 40QNC018 and 024
LGE-PANEL-VIOLET	Colored Panel – Pearl Violet	40QNC01824 and 40QNC018 and 024
LGE-PANEL-BROWN	Colored Panel – Sand Brown	40QNC01824 and 40QNC018 and 024
33MC-URC	Wired Room Control – use for 1 unit	40QNC01824 thru 036 and 40QNC018 thru 036
33MC9005	Room Control Wiring Kit for multiple units	40QNC01824 thru 036 and 40QNC018 thru 036
33MC-UZM	Zone Manager	40QNC01824 thru 036 and 40QNC018 thru 036
33MC9004	Zone Manager Wiring Kit	40QNC01824 thru 036 and 40QNC018 thru 036

### High Wall System – Outdoor

Ordering No.	Description	For Models
KAACH1201AAA	Crankcase Heater	38HDF/QRF036
KAACH1401AAA	Crankcase Heater	38HDF018 thru 030, 38QRF018 and 024
KAACH1301AAA	Crankcase Heater	38HDF/QRF036 (460V-3)
53DS-900---093	Crankcase Heater (115v)	38MVC/MVQ009---001 and 38MVC/MVQ012---1
53DS-900---094	Crankcase Heater (230v)	38MVC/MVQ012---3 thru 024---3
53DS-900---095	Low-Ambient Control (Puron®)	All 38MVC/MVQ Series
RCD# P283-091	Isolation Relay (115V, for low-ambient with HP)	38MVQ009---1 and 012---1
RCD# P283-092	Isolation Relay (230V, for low-ambient with HP)	38MVQ012---3 thru 024---1
RCD# P283-093	Isolation Relay (203V, for low-ambient with HP)	38QRF018-036 and 38QRR018-036
53DS-900---008	Insulated 25' Tubing Kit – 1/4 in x 1/2 in	38MVC/MVQ012 and 018
53DS-900---089	Insulated 25' Tubing Kit – 1/4 in x 3/8 in	38MVC/MVQ009
53DS-900---086	Low-Ambient Control (Puron®)	38HDF/QRF
53DS-900---070	Wind Baffle	38HDF/QRF018
53DS-900---087	Wind Baffle	38HDF024,030 and 38QRF024
53DS-900---071	Wind Baffle	38HDF036 and 38QRF030, 035, 036
53DS-900---075	Stacking Kit	38HDF018 thru 030, 38QRF018 and 024
53DS-900---076	Stacking Kit	38HDF036, 38QRF030, 035, 036
53DS-900---077	Wall Mount Kit	38HDF018 thru 030, 38QRF018 and 024
53DS-900---078	Wall Mount Kit	38HDF036, 38QRF030, 035, 036
KAAWS0101AAA	Winter Start Kit (for low-ambient cooling in cooling only applications)	38HDF/QRF
KSAS1701AAA	Hard Start Kit (Capacitor and Relay)	38HDF/QRF All Sizes



## Under Ceiling System – Indoor

Ordering No.	Description	For Models
53DFS250-SL	Thermostat – Slim Line 7-Day Programmable	All 40QAC and QAQ
53DFS250-FS	Thermostat – Flat Stat 7-Day Programmable	All 40QAC
53DFST2-NP	Thermostat – Super T2 5-1-1 Commercial	All 40QAC
53DS-900---081	Condensate Pump	40QA
53DS-900---006	Fresh Air Intake Mounting Kit	All 40QA (two required for 048 and 060 size models)
53DS-900---066	Power Vent Fan Motor (used with 53DS-900-006)	All 40QA
33CSSEN-WB	Remote Room Sensor Kit	All 53DFS SL/FS Only Thermostats

## 38HDR/QRR – Outdoor Unit

Ordering No.	Description	For Models
KAACH1401AAA	Crankcase Heater	38HDF/QRR018 and 024
P283-0293	Isolation Relay	38QRR
53DS-900---086	Low-Ambient Control (Puron®)	38HDR/QRR
53DS-900---070	Wind Baffle	38HDR/QRR018
53DS-900---087	Wind Baffle	38HDR/QRR024
53DS-900---071	Wind Baffle	38HDR/QRR030 and 036
53DS-900---088	Wind Baffle	38HDR/QRR048 and 060
53DS-900---075	Stacking Kit	38HDR/QRR018 and 024
53DS-900---076	Stacking Kit	38HDR/QRR030 thru 060
53DS-900---077	Wall Mount Kit	38HDR/QRR018 and 024
53DS-900---078	Wall Mount Kit	38HDR/QRR030 thru 060
KAAWS0101AAA	Winter Start Kit (for low-ambient cooling in cooling only applications)	All 38HDR/QRR
KSAS1701AAA	Hard Start Kit (Capacitor and Relay)	38HDF/QRF All Sizes
KHALS0401LLS	Liquid Line Solenoid	All 38HDR/QRR

## Cassette Split-System – Indoor

Ordering No.	Description	For Models
40KMC9005	Grille	40KMC018
40KMC9006	Grille	40KMC024 thru 036, 40KMQ018 thru 036
40GKX9008	Air Supply Outlet Obstruction Kit	40KMC018
40GKX9009	Air Supply Outlet Obstruction Kit	40KMC024 thru 036, 40KMQ018 thru 036
33MC-UMC	Remote Control	40KMC/KMQ Series
53DS-900---090	Remote Control Locking Mount Kit	40KMC/KMQ Series
33MC-URC	Wired Room Control – use for one unit	40KMC/KMQ Series
33MC9005	Room Control Wiring Kit for multiple units	40KMC/KMQ Series
33MC-UZM	Zone Manager	40KMC/KMQ Series
33MC9004	Zone Manager Wiring Kit	40KMC/KMQ Series
53DS-900---092	Power Ventilation Kit	40KMC/KMQ Series

## Cassette Split-System – Outdoor

Ordering No.	Description	For Models
KAACH1201AAA	Crankcase Heater	38HDF/QRF036
KAACH1401AAA	Crankcase Heater	38HDF018 thru 030, 38QRF018 and 024
KAACH1301AAA	Crankcase Heater	38HDF/QRF036 (460V-3)
P283-0293	Isolation Relay	38QRF
53DS-900---086	Low-Ambient Control (Puron®)	38HDF/QRF
53DS-900---070	Wind Baffle	38HDF/QRF018
53DS-900---087	Wind Baffle	38HDF024, 030 and 38QRF024
53DS-900---071	Wind Baffle	38HDF036 and 38QRF030, 035, 036
53DS-900---075	Stacking Kit	38HDF018 thru 030, 38QRF/QRR/HDR018 and 024
53DS-900---076	Stacking Kit	38HDF036, 38QRF030, 035, 036, 38HDR/QRR030 thru 060
53DS-900---077	Wall Mount Kit	38HDF018 thru 030, 38QRF/QRR/HDR018 and 024
53DS-900---078	Wall Mount Kit	38HDF036, 38QRF030, 035, 036, 38HDR/QRR030 thru 060
KAAWS0101AAA	Winter Start Kit (for low-ambient cooling in cooling only applications)	All 38HDF/HDR/QRF/QRR
KSAS1701AAA	Hard Start Kit (Capacitor and Relay)	38HDF/QRF All Sizes



# Indoor Unit Specifications

MODEL	VOLTAGE	MCA	MOCP	VERT LIFT	VERT DROP	MAX TUBE LENGTH	TUBE CONNECTIONS		DIMENSIONS			OPERATING WEIGHT
							MIXED PHASE	VAPOR	WIDTH	HEIGHT	DEPTH	
40KMC018---3	208/230	.8	15	65'	150'	200'	3/8"	5/8"	22	12	22	49
40KMC024---3	208/230	.7	15	65'	150'	200'	3/8"	5/8"	33	12	33	91
40KMC03036-3	208/230	1.3	15	65'	150'	200'	3/8"	3/4"	33	12	33	95
40KMQ01824-3	208/230	16.3	20	65'	150'	200'	3/8"	5/8"	33	12	33	91
40KMQ03036-3	208/230	16.9	20	65'	150'	200'	3/8"	3/4"	33	12	33	95
40MVC009---1	35 VDC	12	20	35'	35'	65'	1/4"	3/8"	32.09	11.02	7.68	24.2
40MVC012---1	35 VDC	15	25	35'	35'	65'	1/4"	1/2"	35.67	11.26	9.25	33
40MVC012---3	35 VDC	9	15	50'	50'	65'	1/4"	1/2"	35.67	11.26	9.25	33
40MVC018---3	208/230	11	20	50'	50'	100'	1/4"	1/2"	49.21	12.80	9.06	55
40MVC024---3	208/230	14	25	50'	50'	100'	1/4"	1/2"	49.21	12.80	9.06	55
40MVQ009---1	35 VDC	12	20	35'	35'	65'	1/4"	3/8"	32.09	11.02	7.68	24.2
40MVQ012---1	35 VDC	15	25	35'	35'	65'	1/4"	1/2"	35.67	11.26	9.25	33
40MVQ012---3	35 VDC	9	15	50'	50'	65'	1/4"	1/2"	35.67	11.26	9.25	33
40MVQ018---3	208/230	11	20	50'	50'	100'	1/4"	1/2"	49.21	12.80	9.06	55
40MVQ024---3	208/230	14	25	50'	50'	100'	1/4"	1/2"	49.21	12.80	9.06	55
40QNC01824-3	208/230	.48	15	65'	150'	200'	3/8"	5/8"	42.5	11.8	8	31
40QNC030---3	208/230	.48	15	65'	150'	200'	3/8"	3/4"	57.5	13.5	9.5	51
40QNC036---3	208/230	.55	15	65'	150'	200'	3/8"	3/4"	57.5	13.5	9.5	51
40QNQ018---3	208/230	.48	15	65'	150'	200'	3/8"	5/8"	42.5	11.8	8	31
40QNQ024---3	208/230	.48	15	65'	150'	200'	3/8"	5/8"	42.5	11.8	8	31
40QNQ030---3	208/230	.48	15	65'	150'	200'	3/8"	3/4"	57.5	13.5	9.5	51
40QNQ036---3	208/230	.55	15	65'	150'	200'	3/8"	3/4"	57.5	13.5	9.5	51
40QAC024---3	208/230	.53	15	65'	150'	200'	3/8"	5/8"	51	10	23	108
40QAC036---3	208/230	1.6	15	65'	150'	200'	3/8"	3/4"	59	10	23	117
40QAC048---3	208/230	2.0	15	65'	150'	200'	3/8"	3/4"	72	10	23	149
40QAC060---3	208/230	3.3	15	65'	150'	200'	3/8"	3/4"	92	10	23	179
40QAQ024---3	208/230	9.3	15	65'	150'	200'	3/8"	5/8"	51	10	23	110
40QAQ036---3	208/230	17.7	20	65'	150'	200'	3/8"	3/4"	59	10	23	119
40QAQ048---3	208/230	23.8	25	65'	150'	200'	3/8"	7/8"	72	10	23	151
40QAQ060---3	208/230	28.7	30	65'	150'	200'	3/8"	7/8"	92	10	23	181

**Notes:** 1) MCA and MOCP are for both indoor and outdoor units (system) and are listed in the outdoor unit.  
2) Vert Lift is Fan Coil above Condenser. Vert Drop is Fan Coil below Condenser.

**Legend:** MCA - Minimum Circuit Amps  
MOCP - Maximum Overcurrent Protection Amps

# Outdoor Unit Specifications

MODEL	VOLTAGE	MCA	MOCP	VERT LIFT Note #2	VERT DROP Note #2	MAX TUBE LENGTH	TUBE CONNECTIONS		DIMENSIONS			OPERATING WEIGHT
							MIXED PHASE	VAPOR	WIDTH	HEIGHT	DEPTH	
38HDF018---3	208/230	12.1	20	65'	150'	200'	3/8"	5/8"	36.9	25.1	14.6	166
38HDF024---3	208/230	16.8	25	65'	150'	200'	3/8"	5/8"	36.9	32.1	14.6	176
38HDF030---3	208/230	18.4	30	65'	150'	200'	3/8"	3/4"	36.9	32.1	14.6	187
38HDF036---3	208/230	23.8	40	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250
38HDF036---5	208/230-3	18	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250*
38HDF036---6	460-3	8.3	15	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250*
38HDR018---3	208/230	12.1	20	65'	150'	200'	3/8"	5/8"	36.9	25.1	14.6	166
38HDR024---3	208/230	16.8	25	65'	150'	200'	3/8"	5/8"	36.9	32.1	14.6	176
38HDR030---3	208/230	19.1	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	187
38HDR036---3	208/230	19.1	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250
38HDR036---5	208/230	12.7	20	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250
38HDR036---6	208/230	7.8	15	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250
38HDR048---3	208/230	28.7	50	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38HDR048---5	208/230-3	18.6	30	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38HDR048---6	460-3	8.6	15	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38HDR060---3	208/230	34.5	60	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306
38HDR060---5	208/230-3	21.5	35	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306
38HDR060---6	460-3	10.6	15	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306
38MVC009---1	115	12	20	35'	35'	65'	1/4"	3/8"	30.71	21.26	11.81	79.2
38MVC012---1	115	15	25	35'	35'	65'	1/4"	1/2"	29.92	23.23	12.40	90.2
38MVC012---3	208/230	9	15	50'	50'	65'	1/4"	1/2"	29.92	23.23	12.40	90.2
38MVC018---3	208/230	11	20	50'	50'	100'	1/4"	1/2"	33.07	27.36	14.17	125.4
38MVC024---3	208/230	14	25	50'	50'	100'	1/4"	1/2"	31.16	33.86	13.98	160.6
38MVQ009---1	115	12	20	35'	35'	65'	1/4"	3/8"	30.71	21.26	11.81	79.2
38MVQ012---1	115	15	25	35'	35'	65'	1/4"	1/2"	29.92	23.23	12.40	90.2
38MVQ012---3	208/230	9	15	50'	50'	65'	1/4"	1/2"	29.92	23.23	12.40	90.2
38MVQ018---3	208/230	11	20	50'	50'	100'	1/4"	1/2"	33.07	27.36	14.17	125.4
38MVQ024---3	208/230	14	25	50'	50'	100'	1/4"	1/2"	33.16	33.86	13.98	160.6
38QRF018---3	208/230	12.1	20	65'	150'	200'	3/8"	5/8"	36.9	25.1	14.6	167
38QRF024---3	208/230	16.8	25	65'	150'	200'	3/8"	5/8"	36.9	32.1	14.6	176
38QRF030---3	208/230	18.4	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	187
38QRF035---3	208/230	22.3	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	221
38QRF035---5	208/230	14.5	20	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	221
38QRF035---6	460	8.7	15	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	221
38QRF036---3	208/230	23.8	40	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	232
38QRF036---5	208/230	18	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250*
38QRF036---6	460	8.3	15	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	250*
38QRR018---3	208/230	12.1	20	65'	150'	200'	3/8"	5/8"	36.9	25.1	14.6	167
38QRR024---3	208/230	16.8	25	65'	150'	200'	3/8"	5/8"	36.9	31.1	14.6	176
38QRR030---3	208/230	17.5	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	187
38QRR036---3	208/230	19.1	30	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	232
38QRR036---5	208/230-3	12.7	20	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	232
38QRR036---6	460-3	7.8	15	65'	150'	200'	3/8"	3/4"	44.6	37.2	17.1	232
38QRR048---3	208/230	28.7	50	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38QRR048---5	208/230	18.6	30	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38QRR048---6	460	8.6	15	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	278
38QRR060---3	208/230	34.5	60	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306
38QRR060---5	208/230-3	21.5	35	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306
38QRR060---6	460-3	10.6	15	65'	150'	200'	3/8"	7/8"	44.6	43.2	17.1	306

Notes: 1) MCA and MOCP are for both indoor and outdoor units (systems).  
 2) Vert Lift is Fan Coil above Condenser. Vert Drop is Fan Coil below Condenser.  
 3) Valve connection size is 7/8". Recommended line size is 1-1/8".

Legend: MCA – Minimum Circuit Amps  
 MOCP – Maximum Overcurrent Protection Amps

\*Valve connection size is 3/4". Recommended line size is 7/8".



# Cooling Only System Specifications

NOMINAL CAPACITY TONS	INDOOR UNIT	OUTDOOR UNIT	ARI CAPACITY Btuh	ARI CFM	SEER	EER	SOUND RATING (dBa)			
							INDOOR POWER	INDOOR PRESSURE	OUTDOOR POWER	OUTDOOR PRESSURE
<b>Cooling Only High Wall QN Series Puron®</b>										
1.5	40QNC01824-3	38HDF018---3	16,600	645	13.0	11.8	59	48	66	55
2.0	40QNC01824-3	38HDF024---3	22,000	645	13.0	12.0	59	48	66	55
2.5	40QNC030---3	38HDF030---3	27,000	730	13.0	11.7	60	49	72	61
3.0	40QNC036---3	38HDF036---3	34,200	900	13.0	11.3	62	51	72	61
		38HDF036---5								
		38HDF036---6								
<b>Cooling Only High Wall MV Series Puron®</b>										
0.75	40MVC009---1	38MVC009---1	9,200	325	13.0	12.1	39	28	65	54
1.0	40MVC012---1	38MVC012---1	11,400	425	13.0	11.4	51	40	65	54
1.0	40MVC012---3	38MVC012---3	11,400	425	13.0	12	51	40	65	54
1.5	40MVC018---3	38MVC018---3	17,500	630	13.0	12.1	54	43	68	57
2.0	40MVC024---3	38MVC024---3	22,000	750	13.0	11.6	59	48	67	56
<b>Cooling Only Under Ceiling Puron®</b>										
1.5	40QAC024---3	38HDR018---3	18,000	540	13.0	11.5	57	46	66	55
2.0	40QAC024---3	38HDR024---3	23,000	600	13.0	11.5	58	47	66	55
2.5	40QAC036---3	38HDR030---3	29,000	930	13.0	12.0	68	57	72	61
3.0	40QAC036---3	38HDR036---3	33,000	930	13.0	11.4	68	57	72	61
		38HDR036---5								
		38HDR036---6								
4.0	40QAC048---3	38HDR048---3	46,000	1,200	13.0	11.5	67	56	72	61
		38HDR048---5								
		38HDR048---6								
5.0	40QAC060---3	38HDR060---3	57,000	1,500	13.0	11.4	70	59	72	61
		38HDR060---5								
		38HDR060---6								
<b>Cooling Only Cassette Puron®</b>										
1.5	40KMC018---3	38HDF018---3	17,000	470	13.0	11.0	58	47	66	55
2.0	40KMC024---3	38HDF024---3	23,600	690	13.0	11.5	54	43	66	55
2.5	40KMC03036-3	38HDF030---3	29,000	910	13.0	11.5	62	51	72	61
3.0	40KMC03036-3	38HDF036---3	36,400	910	13.0	11.0	62	51	72	61
		38HDF036---5								
		38HDF036---6								

CFM – Cubic Feet Per Minute  
 SEER – Seasonal Energy Efficiency Rating  
 † 30,000 each indoor section

# Heat Pump System Specifications

NOMINAL CAPACITY TONS	INDOOR UNIT	OUTDOOR UNIT	ARI CAPACITY Btuh		ARI CFM	SEER	EER	HSPF	SOUND RATING (dBa)			
			htg/clg						INDOOR POWER	INDOOR PRESSURE	OUTDOOR POWER	OUTDOOR PRESSURE
<b>Heat Pump High Wall QN Series Puron®</b>												
1.5	40QNQ018---3	38QRF018---3	17,000/17,400		645	13.0	11.3	7.7	59	48	66	55
2.0	40QNQ024---3	38QRF024---3	22,000/22,200		645	13.0	11.5	7.7	59	48	66	55
2.5	40QNQ030---3	38QRF030---3	28,200/27,000		730	13.0	11.7	7.7	60	49	72	61
3.0	40QNQ036---3	38QRF036---3	35,600/32,600		900	13.0	10.9	7.7	62	51	72	61
		38QRF036---5										
		38QRF036---6										
<b>Heat Pump High Wall MV Series Puron®</b>												
0.75	40MVQ009---1	38MVQ009---1	9,600/9,400		325	13.0	12.1	7.7	44	33	66	55
1.0	40MVQ012---1	38MVQ012---1	11,500/11,500		425	13.0	12.1	7.7	51	40	64	53
1.0	40MVQ012---3	38MVQ012---3	11,500/11,500		425	13.0	11.7	7.7	51	40	64	53
1.5	40MVQ018---3	38MVQ018---3	17,100/17,500		TBD	13.0	11.8	7.7	54	43	72	61
<b>Heat Pump Under Ceiling Puron®</b>												
1.5	40QAQ018---3	38QRR018---3	17,000/17,000		480	13.0	11.7	7.7	57	46	66	55
2.0	40QAQ024---3	38QRR024---3	23,800/23,000		550	13.0	11.4	7.7	59	48	66	55
2.5	40QAQ036---3	38QRF030---3	28,800/28,000		840	13.0	11.2	7.7	68	57	72	61
3.0	40QAQ036---3	38QRR036---3	32,000/33,000		840	13.0	11.6	7.7	68	57	72	61
		38QRR036---5										
		38QRR036---6										
4.0	40QAQ048---3	38QRR048---3	45,000/45,000		1,130	13.0	11.5	7.7	67	56	72	61
		38QRR048---5										
		38QRR048---6										
5.0	40QAQ060---3	38QRR060---3	54,000/56,000		1,600	13.0	11.4	7.7	70	59	72	61
		38QRR060---5										
		38QRR060---6										
<b>Heat Pump Cassette Puron®</b>												
1.5	40KMQ018---3	38QRF018---3	16,800/17,900		690	13.0	11.0	7.7	58	47	66	55
2.0	40KMQ024---3	38QRF024---3	20,800/22,600		690	13.0	11.5	7.7	54	43	66	55
2.5	40KMQ03036-3	38QRF030---3	27,400/29,200		910	13.0	11.5	7.7	62	51	72	61
3.0	40KMQ03036-3	38QRF035---3	32,400/33,400		910	13.0	11.0	7.7	62	51	72	61
		38QRF035---5										
		38QRF035---6										

CFM – Cubic Feet Per Minute    SEER – Seasonal Energy Efficiency Rating    HSPF – Heating Seasonal Performance Factor    C/O – Cooling Only    H/P – Heat Pump  
 † – 30,000 and 31,000 each indoor section

# Heat and Cool System Specifications

NOMINAL CAPACITY TONS	INDOOR UNIT	OUTDOOR UNIT	ARI CAPACITY Btuh	ARI CFM	SEER	EER	SOUND RATING (dBa)			
			clg				INDOOR POWER	INDOOR PRESSURE	OUTDOOR POWER	OUTDOOR PRESSURE
<b>Heat/Cool Cassette</b>										
1.5	40KMQ01824-3	38HDF018---3	17,000	690	13.0	11.0	54	43	66	55
2.0	40KMQ01824-3	38HDF024---3	22,600	690	13.0	11.5	54	43	66	55
2.5	40KMQ03036-3	38HDF030---3	29,000	910	13.0	11.5	62	51	72	61
3.0	40KMQ03036-3	38HDF036---3	36,000	910	13.0	11.0	62	51	72	61
		38HDF036---5								
		38HDF036---6								

CFM – Cubic Feet Per Minute    SEER – Seasonal Energy Efficiency Rating    HSPF – Heating Seasonal Performance Factor    C/O – Cooling Only    H/P – Heat Pump  
 † – 30,000 and 31,000 each indoor section



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