

# Adirondack Aire

BY COLD POINT



## Series EA

**McQuay EA, ES and RS, IslandAire ED and RetroAire RC-35**

Application Flexible | Fast and Easy Replacement | Damage Protection



# ADIRONDACK-AIRE EA CHASSIS SERIES

*Replaces McQuay EA, ES and RS, IslandAire ED and RetroAire RC-35*

The Adirondack-Aire EA Series chassis provides environment friendly, high efficiency cooling and heating where individual, quiet control is a priority. This application flexible unit is also a direct replacement for Islandaire ED and RetroAire RC-35. The chassis is a part of a complete system, which consists of the chassis, wall sleeve, outdoor louver, room cabinet, and optional heat sections. The chassis contains the compressor, indoor and outdoor heat exchangers, fan motors and fans, and controls.

The EA is dimensionally compatible with the original for a fast, easy, and trouble-free installation. Quality components, careful design and testing and the latest in environment friendly technology mean long unit life, user satisfaction, and lower energy costs. Consider the extensive list of standard features, which include Rust-Block\* corrosion protection system, centrifugal condenser blower, evaporator freeze protection, permanent electrostatic air filter, pull handle, and high-pressure over protection. Adirondack-Aire is the replacement solution that the competition can't match. Cold Point Corp. backs the EA with a customer friendly one-year parts and labor warranty and five-year compressor warranty, (see Warranty document for details).

\* Rust-Block corrosion protection system consists of: Heavy gauge galvanized steel construction with powder paint finished condenser and evaporator pans; galvanized or aluminum condenser fan, stainless steel compressor and condenser motor studs; Magnaguard and/or stainless steel screws and fasteners.

## Standard Features:

- Made in the USA
- Designed for easy installation. Dimensionally compatible with original McQuay, IslandAire and RetroAire chassis
- Exclusive Rust-Block corrosion protection
- High efficiency PSC fan motors with built-in temperature protection
- ETL approved
- Quiet, durable, and efficient compressor with built-in pressure and temperature protection
- Heavy gauge G60 galvanized steel construction with powder coat painted condenser and evaporator pans
- High efficiency copper tube-aluminum fin evaporator and condenser coils
- Centrifugal condenser fan
- Condensate re-evaporation
- High pressure switch with manual reset
- Frost free low ambient cooling\*
- Electrostatic air filter
- Chassis pull handle facilitates easy chassis removal and handling
- Capillary expansion
- Precision charged with R-454B A2L refrigerant
- LCDI line cord (ex. 265V)

\* Cooling operation locks out at 34°F outdoor temperature and restarts at 55° F.

## Electrical Data\*

| Model | Compressor Type | Voltage Volt-Hz-Ph | Evaporator Motor |      | Condenser Motor |     | Compressor |      | Cooling Total Amps | Ckt Ampac | Max Fuse | Min Volts | Line Cord |
|-------|-----------------|--------------------|------------------|------|-----------------|-----|------------|------|--------------------|-----------|----------|-----------|-----------|
|       |                 |                    | Amps             | HP   | Amps            | HP  | RLA        | LRA  |                    |           |          |           |           |
| EA-09 | Rotary          | 115/60/1           | 1.2              | 1/10 | 3.2             | 1/5 | 8.0        | 50.0 | 12.4               | 14.4      | 20       | 104       | 5-20P     |
| EA-09 | Rotary          | 208/230/60/1       | 0.6              | 1/10 | 1.2             | 1/5 | 3.7        | 22.0 | 5.5                | 6.4       | 15       | 197       | 6-15P     |
| EA-09 | Rotary          | 265/60/1           | 0.6              | 1/10 | 1.2             | 1/5 | 3.5        | 22.0 | 5.3                | 6.2       | 15       | 240       | N/A       |
| EA-12 | Rotary          | 115/60/1           | 1.2              | 1/10 | 3.2             | 1/5 | 10.5       | 57.0 | 14.9               | 17.5      | 25       | 104       | 5-20P     |
| EA-12 | Rotary          | 208/230/60/1       | 0.6              | 1/10 | 1.2             | 1/5 | 5.2        | 26.0 | 7.0                | 8.3       | 15       | 197       | 6-15P     |
| EA-12 | Rotary          | 265/60/1           | 0.6              | 1/10 | 1.2             | 1/5 | 4.3        | 25.0 | 6.1                | 7.2       | 15       | 240       | N/A       |
| EA-15 | Rotary          | 208/230/60/1       | 0.6              | 1/10 | 2.0             | 1/4 | 6.6        | 33.0 | 9.2                | 10.9      | 15       | 197       | 6-15P     |
| EA-15 | Rotary          | 265/60/1           | 0.6              | 1/10 | 1.1             | 1/4 | 5.6        | 28.0 | 7.3                | 8.7       | 15       | 240       | N/A       |

\* If electric heat option is selected see Electric Heat Ratings Table: Total Amps, Ampacity and Fuse Size is the larger value.



# EA SERIES CHASSIS APPLICATION & BENEFITS

## Fast and Easy Replacement

The Adirondack-Aire EA series replacement chassis fits the existing wall sleeves and room cabinets without modification. Because the chassis dimensions and construction details are like the original, replacement work is fast and easy. A chassis pull handle is provided to facilitate easy removal and handling. Using Adirondack-Aire replacements eliminates the need for room and exterior wall renovation and is the solution that gets your property back in

service quickly and at the lowest total cost. Choose the optional room cabinet to give the unit a brand new look and improve room aesthetics.

## Damage Protection

A premium feature usually found only in expensive commercial systems, the standard high-pressure switch and evaporator freeze protection stop unit operation before damage occurs, should airflow become reduced or obstructed due to dirty coils, obstructed airflow, or motor failure or lock up. A centrifugal condenser

fan provides proven airflow performance with higher static capability than axial fans found in competitor units. Condensate re-evaporation and the Rust-Block system assure a stain-free building exterior.

## Options and Accessories

- Electric heat
- Control options
- Motorized fresh air
- Front panel

## Performance Ratings\*

| Model | Cool Btuh | Sens Btuh | EER | CFM Hi/Lo* | Cond. Fan Type/<br>Air Direction | Refrigerant |
|-------|-----------|-----------|-----|------------|----------------------------------|-------------|
| EA-09 | 9,600     | 7,500     | 9.2 | 375/320    | Centrifugal/<br>Blow Thru        | R-454B      |
| EA-12 | 11,600    | 8,300     | 8.9 | 410/345    |                                  | R-454B      |
| EA-15 | 14,400    | 10,000    | 8.7 | 490/405    |                                  | R-454B      |

Continuous engineering improvements may result in performance changes without notice.

\* Rated in accordance with ARI

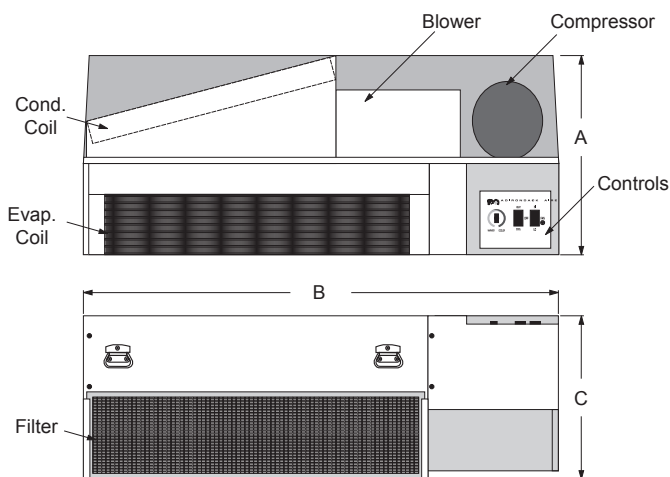
## Unit Sizes

| Model | A       | B      | C  | Chassis Weight (lbs) |
|-------|---------|--------|----|----------------------|
|       | Inches  |        |    |                      |
| EA-09 | 18 5/16 | 43 5/8 | 15 | 130                  |
| EA-12 | 18 5/16 | 43 5/8 | 15 | 130                  |
| EA-15 | 18 5/16 | 43 5/8 | 15 | 145                  |

## NEMA Configurations

Non Locking Plugs/Receptacles

| Voltage   | 125V      | 250V      | 277V      |
|-----------|-----------|-----------|-----------|
| 15A Recp. | 5-15R<br> | 6-15R<br> | 7-15R<br> |
| 15A Plug  | 5-15P<br> | 6-15P<br> | 7-15P<br> |
| 20A Recp. | 5-20R<br> | 6-20R<br> | 7-20R<br> |
| 20A Plug  | 5-20P<br> | 6-20P<br> | 7-20P<br> |
| 30A Recp. | 5-30R<br> | 6-30R<br> | 7-30R<br> |
| 30A Plug  | 5-30P<br> | 6-30P<br> | 7-30P<br> |



## Electrical Heat Ratings (Optional)

| Heater No. (WCU) | Volt | Watts | Btuh   | HTR Amps | Total HTR Amps | Min Ckt Amps | Max Fuse | Line Cord |
|------------------|------|-------|--------|----------|----------------|--------------|----------|-----------|
| 2                | 208  | 1,800 | 6,140  | 8.7      | 9.3            | 12.0         | 15       | 6-15P     |
|                  | 230  | 2,200 | 7,500  | 9.6      | 10.2           | 13.0         | 15       | 6-15P     |
|                  | 265  | 2,900 | 9,900  | 10.9     | 11.5           | 15.0         | 15       | N/A       |
|                  | 277  | 3,190 | 10,900 | 11.5     | 12.1           | 15.0         | 15       | N/A       |
| 3                | 208  | 2,450 | 8,350  | 11.8     | 12.4           | 16.0         | 20       | 6-20P     |
|                  | 230  | 3,000 | 10,200 | 13.1     | 13.7           | 17.0         | 20       | 6-20P     |
|                  | 265  | 4,000 | 13,640 | 15.1     | 15.7           | 20.0         | 20       | N/A       |
|                  | 277  | 4,350 | 14,830 | 15.7     | 16.3           | 21.0         | 25       | N/A       |
| 4                | 208  | 3,270 | 11,150 | 15.7     | 16.3           | 21.0         | 25       | 6-30P     |
|                  | 230  | 4,000 | 13,640 | 17.4     | 18.0           | 23.0         | 30       | 6-30P     |

# INNOVATIVE HEATING AND COOLING SOLUTIONS

Cold Point equipment has been specified in hundreds of projects in these and other applications:  
Direct Replacement | New Construction | Renovation | Commercial & Residential Solutions

## Cold Point values reliability as much as you

Your Cold Point sales representative knows their reputation is on the line with every sale. Therefore, they are as personally invested in your comfort as you are, and take great pride in creating your perfect indoor environment.

## Rest comfortably, knowing Cold Point stands behind our products

The Cold Point Corporation backs our products with a standard warranty that includes labor for the entire first year of ownership. Registered Limited Warranty terms include: 12 month limited warranty on components, 60 month limited warranty on all unit compressors from the date of original installation OR 15 months limited warranty on components, 63 month limited warranty on all unit compressors from the date of original sale, whichever comes first. For all coverage options and complete coverage terms, check with your local Cold Point representative for full details.

## Industry-leading expertise

Cold Point Corporation is the industry-leading supplier of aftermarket comfort solutions for commercial and residential applications. We have over 25 years of experience developing OEM-style replacement products to keep you happy and comfortable. Whether it is a water source heat pump application or an air source PTAC system, Cold Point has the knowledge and products to restore your system to its original operating condition.

## Reliable comfort products backed by the industry experts in OEM-style replacement units

To learn more about how the Cold Point Corporation can help you save time and money on your next project, contact your local Cold Point representative. Call **315-339-2331** to speak with one of our specialists, or e-mail your request to [info@coldpointcorp.com](mailto:info@coldpointcorp.com).

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