



**RPC  
SERIES**



**OMEGA  
HCA**



# OMEGA HCA

## RPC SERIES

Omega HCA replacement chassis unit is an ideal replacement and upgrade for the old McQuay HCA units. The chassis unit and electrical box are a direct drop-in for the existing McQuay unit allowing for a fast, simple and easy installation.

The Omega HCA unit features modern components and an advanced microprocessor control providing the user with silent, energy efficient, and reliable year-round operation.

Factory tested and fully charged makes Omega the preferred replacement option.



## COMPARISON CHART

| OMEGA HCA      |                               |                     |
|----------------|-------------------------------|---------------------|
| OMEGA MODEL    | REPLACES EXISTING HCA MODEL * | NOMINAL SIZE (TONS) |
| RPC-MC-HCA-030 | HC090A                        | 3/4                 |
| RPC-MC-HCA-040 | HC120A/HC140A                 | 1                   |
| RPC-MC-HCA-060 | HC200A                        | 1 ½                 |
| RPC-MC-HCA-080 | HC230A                        | 2                   |

\*Only units without electric heat

NOTE: Replaces existing electrical box and controls with Omega electrical box kit

### QUICK & EASY

Omega HCA replacement chassis kit with electrical box are dimensionally identical to old McQuay HCA unit for a quick and easy installation. Simply remove old chassis and electrical box and install new Omega chassis kit. The HCA unit can now be wired to a remote mounted thermostat. Chassis comes with plug-n-play harnesses for quick connection to new electrical box. Water connections match existing cabinet connections for a seamless transition.

### SAFETY

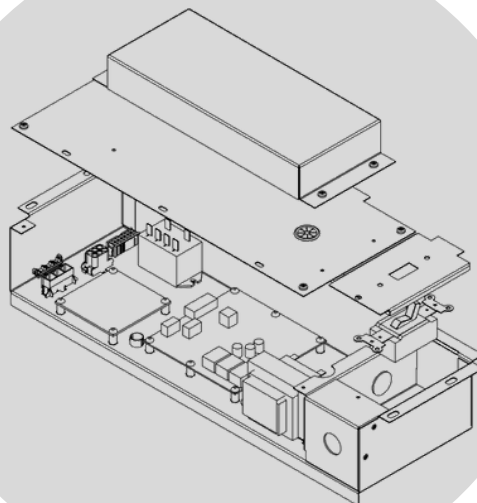
Replacement chassis comes standard with a host of safety features to protect unit from unwanted operating conditions: high-pressure and low-pressure safety switches, water temperature sensing for pre-emptive detection of water flow issues, and condensate overflow switch to protect against water leaks into occupant suite.

### COMFORT & RELIABILITY

Quiet and reliable operation from the use of quality components and construction. High-efficient compressors and built-in noise compressor cancelling base ensures silent unit operation. Advanced microprocessor controller continuously monitors operation of the unit for fault-free start-ups and optimal operation. All new Omega units comes with our standard 1-year parts and 5-year compressor warranty.

## STANDARD FEATURES

- Electrical box with microprocessor controller
- High efficiency compressors
- Coated DX Air Coil for Corrosion Leak Protection
- Unit mounted power disconnect switch
- High and Low-Pressure safety switches
- Freeze Protection sensor
- Entering & Leaving water temperature sensors
- Thermal Expansion Valve (TXV) & Filter Drier
- Stainless Steel Drain Pan
- Refrigerant service access ports
- Heavy gauge galvanized sheet metal
- 1-Year Parts and 5-Year Compressor Warranty



**Electrical Box**

## OPTIONS & ACCESSORIES

- Remote mounted thermostat
- Auto-Flow balancing valve
- Auto Shut-Off Control valve

## PERFORMANCE DATA

| OMEGA MODEL    | REFRIG. | SIZE<br>(TONS) | NOMINAL<br>CFM | COOLING*          | HEATING*          | NOMINAL<br>GPM | WPD |      |
|----------------|---------|----------------|----------------|-------------------|-------------------|----------------|-----|------|
|                |         |                |                | BTUH <sup>1</sup> | BTUH <sup>2</sup> |                | PSI | FT   |
| RPC-MC-HCA-030 | R410A   | 3/4            | 350            | 9,100             | 10,800            | 2.5            | 4.5 | 10.4 |
| RPC-MC-HCA-040 |         | 1              | 420            | 11,000            | 14,100            | 3.0            | 3.7 | 8.5  |
| RPC-MC-HCA-060 |         | 1 ½            | 625            | 17,600            | 21,400            | 4.5            | 7.0 | 16.1 |
| RPC-MC-HCA-080 |         | 2              | 820            | 22,000            | 25,000            | 6.0            | 3.7 | 8.6  |

\* Nominal capacity performance based on 86F EWT Cooling, 68F EWT Heating and rated CFM. Includes fan power 0.365W/CFM

<sup>1</sup> Cooling performance based on 80F DB and 67F WB entering air conditions.

<sup>2</sup> Heating performance at 68F entering air.

DIMENSIONAL DATA

| OMEGA MODEL    | DIMENSIONS (INCHES) |       |       | WATER CONNECTION |       | WEIGHT (LBS) |
|----------------|---------------------|-------|-------|------------------|-------|--------------|
|                | HEIGHT              | WIDTH | DEPTH | OUTLET           | INLET |              |
| RPC-MC-HCA-030 | 41                  | 18 ¾  | 12 ¾  | ½ FPT            | ½ FPT | 70           |
| RPC-MC-HCA-040 |                     |       |       | ½ FPT            | ½ FPT | 75           |
| RPC-MC-HCA-060 |                     |       |       | ½ FPT            | ½ FPT | 103          |
| RPC-MC-HCA-080 |                     |       |       | ½ FPT            | ½ FPT | 115          |

