



RPC  
SERIES



OMEGA  
HRP



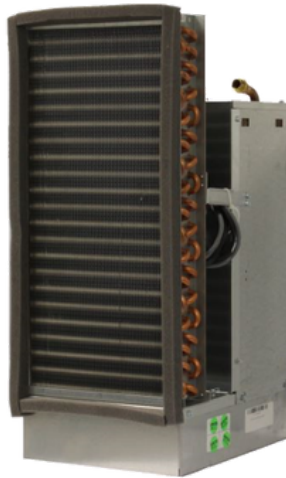
# OMEGA HRP

## RPC SERIES

Omega HRP replacement chassis is the ideal replacement and upgrade for the original Omega HRP units. The chassis unit is our OEM direct drop-in for allowing for a fast, simple and easy installation.

The Omega unit features modern components and works seamlessly with the existing microprocessor controller providing the user with silent, energy efficient, and reliable year-round operation.

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



### QUICK & EASY

Omega HRP replacement chassis units are dimensionally identical to existing unit for a quick and easy installation. Simply remove old chassis, and slide in new Omega chassis. All connections are plug-n-play with no wiring modifications required. Water connections match existing cabinet and hose connections for a seamless transition.

### SAFETY

Replacement chassis comes standard with safety features to protect unit from unwanted operating conditions: high-pressure and low-pressure safety switches to shut down unit before damage can occur and pre-emptive detection of water flow issues.

### COMFORT & RELIABILITY

Quiet and reliable operation from the use of quality components and construction. High-efficiency compressor ensures silent and reliable operation. Unit integrates with existing microprocessor controller and monitors operation of the unit for fault-free start-ups and optimal operation. All new Omega units come with our standard 1-year parts 5-year compressor warranty.

## COMPARISON CHART

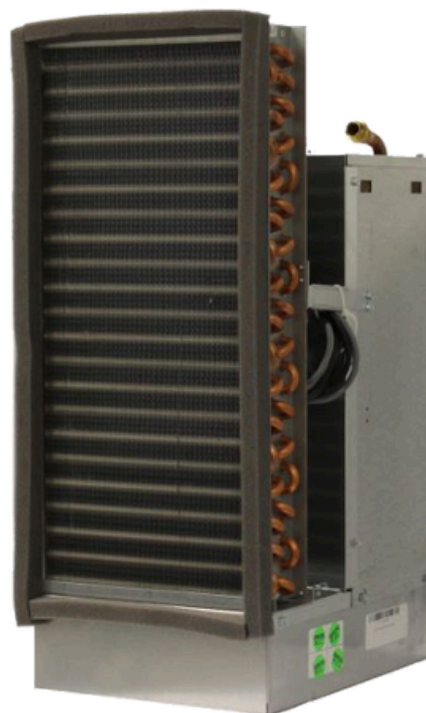
| OMEGA MODEL    | REPLACES OMEGA MODEL | NOMINAL SIZE (TONS) |
|----------------|----------------------|---------------------|
| RPC-OM-HRP-020 | HRP-020              | 1/2                 |
| RPC-OM-HRP-030 | HRP-030              | 3/4                 |
| RPC-OM-HRP-040 | HRP-040              | 1                   |
| RPC-OM-HRP-050 | HRP-050              | 1 ¼                 |
| RPC-OM-HRP-060 | HRP-060              | 1 ½                 |
| RPC-OM-HRP-080 | HRP-080              | 2                   |
| RPC-OM-HRP-100 | HRP-100              | 2 ½                 |
| RPC-OM-HRP-120 | HRP-120              | 3                   |

## STANDARD FEATURES

- Factory charged and tested
- 9-Pin molex controls harness
- High efficiency compressors
- Microprocessor Controller Compatible
- High and Low-Pressure safety switches
- Thermal Expansion Valve (TXV) & Filter Drier
- Refrigerant service access ports
- Heavy gauge galvanized sheet metal
- 1-Year Parts and 5-Year Compressor Warranty

## OPTIONS & ACCESSORIES

- ECM Fan Kits
- Auto-Flow Balancing valve
- Auto Shut-Off Control valve
- Hose kits
- Geothermal Option



## PERFORMANCE DATA

| OMEGA MODEL    | REFRIG. | SIZE<br>(TONS) | NOMINAL<br>CFM | COOLING           |                  | HEATING           |                  | NOMINAL<br>GPM | WPD |    |
|----------------|---------|----------------|----------------|-------------------|------------------|-------------------|------------------|----------------|-----|----|
|                |         |                |                | BTUH <sup>1</sup> | EER <sup>1</sup> | BTUH <sup>2</sup> | COP <sup>2</sup> |                | PSI | FT |
| RPC-OM-HRP-020 | R410A   | 1/2            | 200            | 5,800             | 12.2             | 7,200             | 4.3              | 1.5            | 1.7 | 4  |
| RPC-OM-HRP-030 |         | 3/4            | 350            | 8,900             | 12.5             | 11,900            | 4.6              | 2.5            | 4.8 | 11 |
| RPC-OM-HRP-040 |         | 1              | 460            | 11,600            | 13.7             | 14,700            | 4.7              | 3.0            | 4.8 | 11 |
| RPC-OM-HRP-050 |         | 1 ¼            | 530            | 15,100            | 15.5             | 17,200            | 4.8              | 4.0            | 6.2 | 14 |
| RPC-OM-HRP-060 |         | 1 ½            | 630            | 17,900            | 14.5             | 22,500            | 4.5              | 4.5            | 8.7 | 20 |
| RPC-OM-HRP-080 |         | 2              | 820            | 22,000            | 13.3             | 29,500            | 4.4              | 6.0            | 4.4 | 10 |
| RPC-OM-HRP-100 |         | 2 ½            | 1,010          | 26,400            | 13.0             | 36,000            | 4.3              | 7.0            | 5.6 | 13 |
| RPC-OM-HRP-120 |         | 3              | 1,200          | 36,000            | 12.8             | 46,700            | 4.2              | 9.0            | 8.0 | 18 |

\* 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    | CABINET SIZE | DIMENSIONS (INCHES) |      |      |      | WATER CONNECTION |       | WEIGHT (LBS) |
|----------------|--------------|---------------------|------|------|------|------------------|-------|--------------|
|                |              | A                   | B    | C    | D    | OUTLET           | INLET |              |
| RPC-OM-HRP-020 | X            | 11 ⅞                | 22   | 16 ¼ | 15   | ½ NH             | ½ NH  | 57           |
| RPC-OM-HRP-030 |              |                     |      | 27 ⅜ |      | ½ NH             | ½ NH  | 67           |
| RPC-OM-HRP-040 |              |                     |      |      |      | ½ NH             | ½ NH  | 72           |
| RPC-OM-HRP-050 | Y            | 13 ¼                | 22 ¼ | 28 ¼ | 18   | ½ NH             | ½ NH  | 93           |
| RPC-OM-HRP-060 |              |                     |      |      |      | ½ NH             | ½ NH  | 95           |
| RPC-OM-HRP-080 | Z            | 17 ⅞                | 23 ⅜ | 29 ¼ | 22 ¼ | ¾ NH             | ¾ NH  | 138          |
| RPC-OM-HRP-100 |              |                     |      |      |      | ¾ NH             | ¾ NH  | 140          |
| RPC-OM-HRP-120 |              |                     |      |      |      | ¾ NH             | ¾ NH  | 150          |

