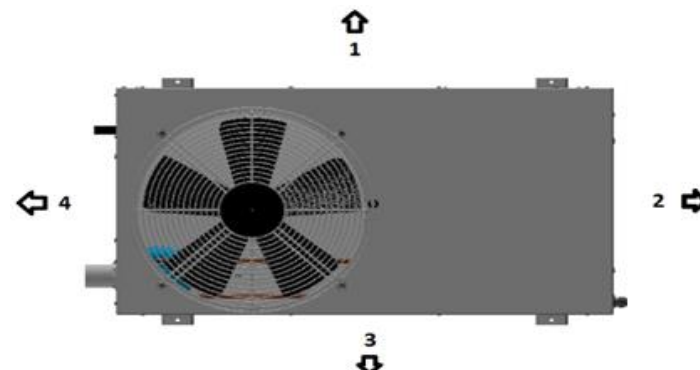


| POOL CHILLER HEAT PUMP SPECIFICATIONS                 |                                   |                                     |
|-------------------------------------------------------|-----------------------------------|-------------------------------------|
| Titanium Heat Exchanger / Rheem IQ Control            |                                   | RTCH006TA-JQV-1<br>RTCH006TA-JQVL-1 |
| Titanium Heat Exchanger / Rheem IQ Control (Low Temp) |                                   |                                     |
|                                                       |                                   |                                     |
| ELECTRICAL INPUT                                      |                                   |                                     |
| Voltage/Phase                                         | 220 - 240 Volts / 1 Phase / 50 Hz |                                     |
| Full Load / Locked Rotor (Amps Per Phase)             | 10.6 FLA / 38 LRA                 |                                     |
| Min. Circuit Breaker Size                             | 15 Amps                           |                                     |
| Refrigerant                                           | R410a                             |                                     |
| Nominal Cooling Capacity                              | 6.01 kW                           |                                     |
| Power Input                                           | 1.62 kW                           |                                     |
| COP                                                   | 3.70 COP                          |                                     |
| Noise Level                                           | 51 dBa @ 3 m                      |                                     |
| Rated Load Amps @ 8°C SST / 45°C SCT                  | 7.6 Amps                          |                                     |
| TECHNICAL DATA                                        |                                   |                                     |
|                                                       | Compressor                        | Fan                                 |
| Reference/Size                                        | 20112                             | 450mm                               |
| Type                                                  | Rotary                            | Axial                               |
| Number Per Unit                                       | 1                                 | 1                                   |
| FLA (Full Load Amps, each)                            | 9.9 Amps                          | 0.64 Amps                           |
| Voltage / Phase                                       | 220 - 240 / 1                     | 220 - 240 / 1                       |
| Pole/RPM                                              | 2/2,900                           | 6/890                               |
| Air Flow                                              | N/A                               | 800 L/s                             |
| HEAT EXCHANGER (Water Side)                           |                                   |                                     |
| Water In Temperature Range                            | Low                               | Standard                            |
| Type of Water Tube                                    | Titanium Tube / PVC Shell         |                                     |
| Design                                                | Shell and Tube                    |                                     |
| Flow Rate Excl. By Pass                               | 2.80 L/s                          | 1.67 L/s                            |
| Design Temperature Difference                         | 0.51 °C                           | 0.86 °C                             |
| Min. Outlet Water Temp                                | 7 °C                              |                                     |
| Design Pressure Drop                                  | 15 kPa                            |                                     |
| Max. Operating Pressure                               | 300 kPa                           |                                     |
| GENERAL INFORMATION                                   |                                   |                                     |
| Water Connections                                     | 40mm PVC                          |                                     |
| Drain                                                 | 20mm PVC                          |                                     |
| Cabinet Construction                                  | 1.2mm Stucco Aluminium            |                                     |
| Approx. Shipping Weight (Standard/Low Temp)           | 80/90 kg                          |                                     |
| Size L x W x H                                        | 1007 mm x 542 mm x 742 mm         |                                     |

| COP TABLE |
|-----------|
|-----------|

|               | Water In °C | Ambient Temperature °C |                     |                     |                     |                     |                     |                     |                     |                     |
|---------------|-------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|               |             | 10 °C                  | 15 °C               | 20 °C               | 25 °C               | 27 °C               | 30 °C               | 35 °C               | 40 °C               | 45 °C               |
| Standard Temp | 30 °C       | 7.21 kW<br>5.80 COP    | 6.99 kW<br>5.22 COP | 6.78 kW<br>4.69 COP | 6.55 kW<br>4.21 COP | 6.44 kW<br>3.98 COP | 6.32 kW<br>3.77 COP | 6.07 kW<br>3.38 COP | 5.81 kW<br>3.03 COP | 5.54 kW<br>2.70 COP |
|               | 27 °C       | 6.74 kW<br>5.32 COP    | 6.54 kW<br>4.81 COP | 6.33 kW<br>4.33 COP | 6.12 kW<br>3.90 COP | 6.01 kW<br>3.70 COP | 5.90 kW<br>3.51 COP | 5.67 kW<br>3.16 COP | 5.42 kW<br>2.83 COP | 5.17 kW<br>2.53 COP |
|               | 25 °C       | 6.09 kW<br>4.70 COP    | 5.90 kW<br>4.27 COP | 5.71 kW<br>3.87 COP | 5.52 kW<br>3.50 COP | 5.42 kW<br>3.33 COP | 5.32 kW<br>3.16 COP | 5.11 kW<br>2.85 COP | 4.88 kW<br>2.57 COP | 4.65 kW<br>2.31 COP |
|               | 20 °C       | 5.68 kW<br>4.34 COP    | 5.51 kW<br>3.95 COP | 5.33 kW<br>3.59 COP | 5.14 kW<br>3.26 COP | 5.05 kW<br>3.10 COP | 4.95 kW<br>2.95 COP | 4.76 kW<br>2.67 COP | 4.55 kW<br>2.41 COP | 4.33 kW<br>2.17 COP |
| Low Temp      | 15 °C       | 5.11 kW<br>3.87 COP    | 4.95 kW<br>3.53 COP | 4.79 kW<br>3.22 COP | 4.62 kW<br>2.93 COP | 4.53 kW<br>2.80 COP | 4.44 kW<br>2.67 COP | 4.27 kW<br>2.42 COP | 4.08 kW<br>2.19 COP | 3.88 kW<br>1.98 COP |
|               | 10 °C       | 4.41 kW<br>3.32 COP    | 4.26 kW<br>3.04 COP | 4.12 kW<br>2.79 COP | 3.97 kW<br>2.55 COP | 3.89 kW<br>2.43 COP | 3.82 kW<br>2.32 COP | 3.66 kW<br>2.12 COP | 3.50 kW<br>1.92 COP | 3.32 kW<br>1.74 COP |



| UNIT CLEARANCES |                     |                            |
|-----------------|---------------------|----------------------------|
| Direction       | Description         | Minimum Clearance Required |
| 1               | Evaporator Coil     | 350 mm                     |
| 2               | Compressor Access   | 850 mm                     |
| 3               | Plain Back          | Nil                        |
| 4               | Water Connections   | 500 mm                     |
| 5               | Top - Fan Discharge | 2500 mm                    |

When units are placed side by side, allow at least 700mm between evaporator coils.

Rating Conditions: 27°C ambient, 60% RH, 27°C Water in