



# ***Manitowoc***

## **Foodservice**

## **Parts Manual**

For more Parts Information:

<https://manitowocfsg.sysonline.com/Default.aspx>

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Manitowoc Foodservice [Updated: Sep. 30, 2013]

Manitowoc - Ice & Related

Parts Catalog

Ice Machine

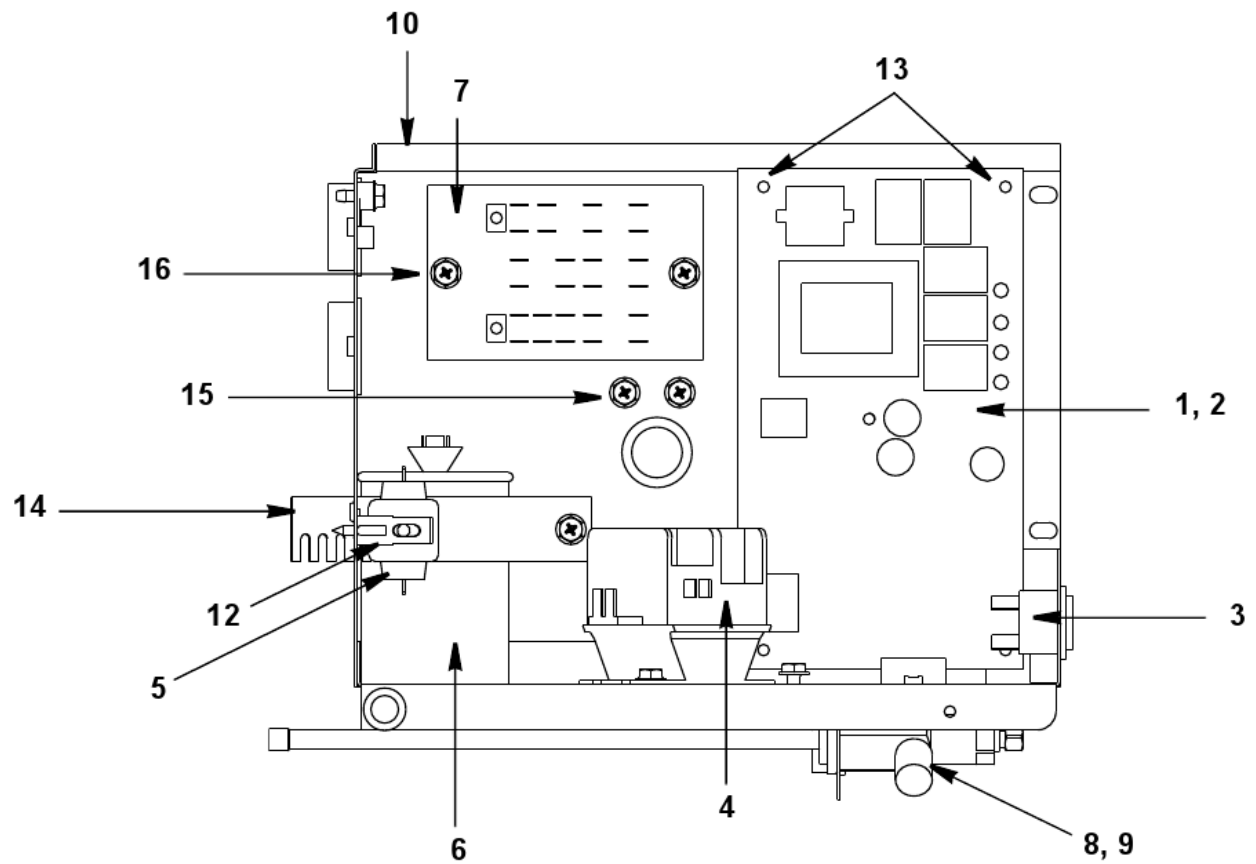
Q Series

Q Model - Air, Water & Remote

Q1000, JC1095

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## Q1000 - CONTROL BOX COMPONENTS



# Q1000, JC1095

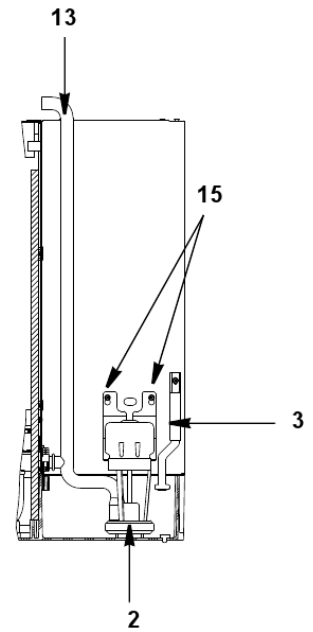
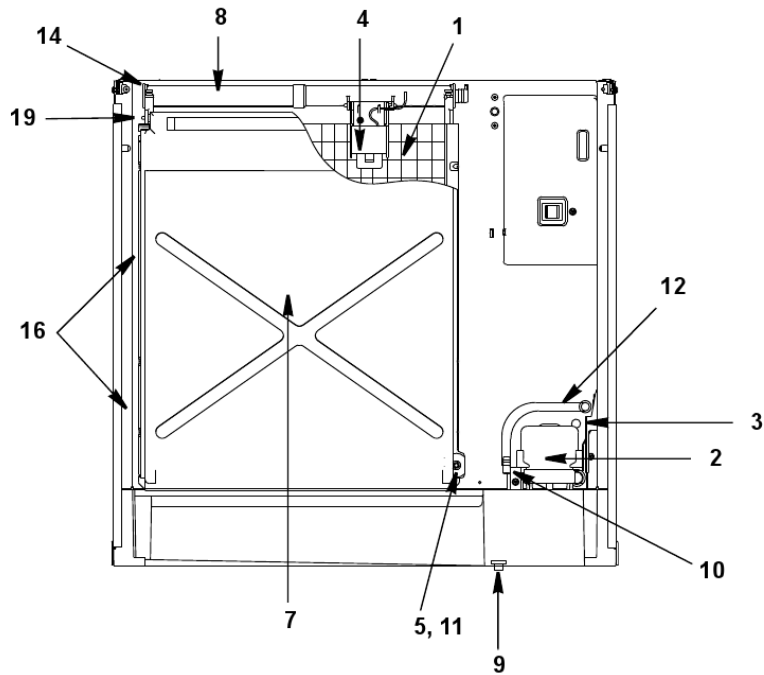
## Q1000 - CONTROL BOX COMPONENTS

| #  | PART #    | DESCRIPTION                                | QTY | Note |
|----|-----------|--------------------------------------------|-----|------|
| 1  | 7627823   | Control Board                              |     |      |
| 2  | 2511003   | 7 Amp Fuse - Mounted on Control Board      |     |      |
| 3  | 2301343   | Toggle Switch Only                         |     |      |
| 3a | 2032173   | Toggle Switch with Wiring Harness Attached |     |      |
| 4  |           | Contactors                                 |     |      |
| 4a | 2006599   | Contactors - 230V/50-60 Hz/1 Ph            |     |      |
| 4b | 2006619   | Contactors - 230V/60 Hz/3 Ph               |     |      |
| 5  | 8504993   | PTCR Compressor Starter                    |     |      |
| 6  |           | Compressor Run Capacitor                   |     |      |
| 6a | 2010133   | Run Capacitor - 115-230V/50-60 Hz/1 Ph     |     |      |
| 6b | 000001395 | Run Capacitor - 208-230V/50-60 Hz/1 Ph     |     |      |
| 7  |           | Terminal Board with Wire Harness Attached  |     |      |
| 7a | 2032293   | Wiring Harness - 230V/60 Hz/1 Ph           |     |      |
| 7b | 2032313   | Wiring Harness - 208-230V/60 Hz/3 Ph       |     |      |
| 7c |           | Wiring Harness - 230V/50 Hz/1 Ph           |     | [1]  |
| 8  | 8373263   | Refrigeration Service Valve Assembly       |     |      |
| 9  | 5475039   | Locknut - 0.375" - 18 NPS                  |     |      |
| 10 | 6025593   | Control Box                                |     |      |
| 11 | 7628523   | Control Box Cover                          |     |      |
| 12 | 8505013   | PTCR Compressor Starter Mounting Bracket   |     |      |
| 13 | 4302253   | Control Board Mounting Supports            |     |      |
| 14 | 6024951   | Capacitor Bracket                          |     |      |
| 15 | 5202169   | Screw - #10-24 x 0.50" Ground              |     |      |
| 16 | 5202069   | Screw - #10-24 x 0.50" HEX                 |     |      |

### PART NOTES:

[1] - No Longer Available

## Q1000 - EVAPORATOR COMPARTMENT - COMMON COMPONENTS

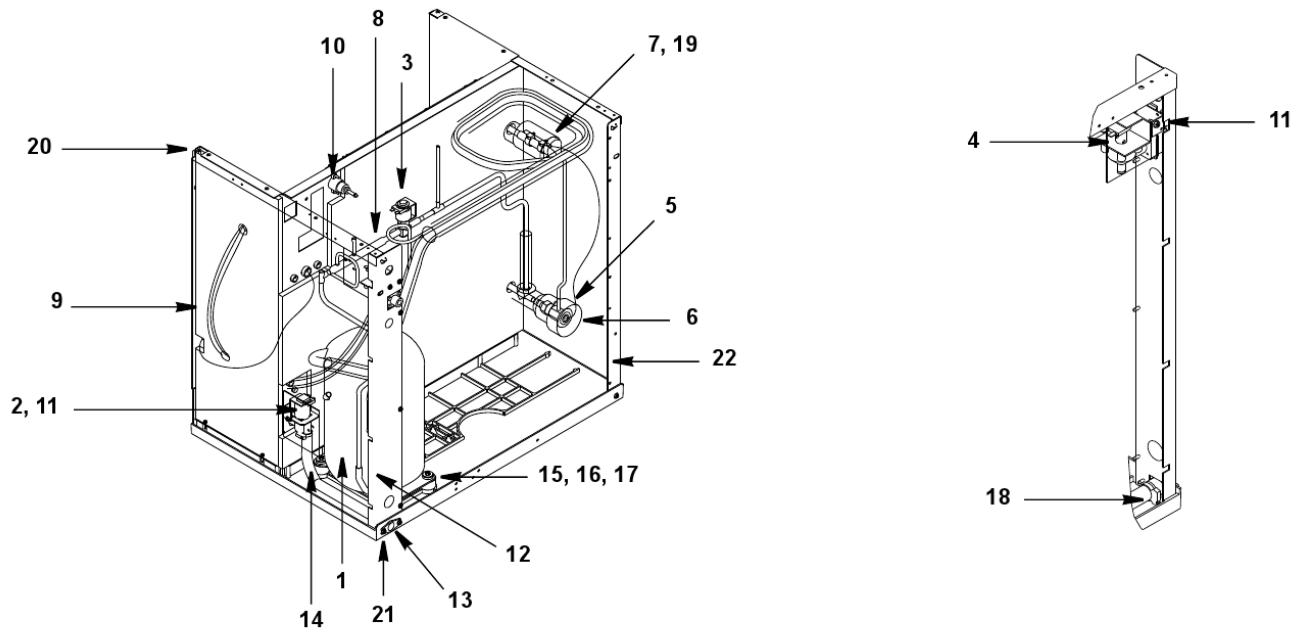


# Q1000, JC1095

## Q1000 - EVAPORATOR COMPARTMENT - COMMON COMPONENTS

| #  | PART #  | DESCRIPTION                                       | QTY | Note |
|----|---------|---------------------------------------------------|-----|------|
| 1  |         | Evaporator Assembly                               |     |      |
| 1a | 7625019 | Evaporator - Regular Cube                         |     |      |
| 1b | 7625029 | Evaporator - Dice Cube                            |     |      |
| 1c | 7625039 | Evaporator - Half Dice Cube                       |     |      |
| 2  | 1480279 | Water Pump - 208-230V/50-60 Hz                    |     |      |
| 3  | 2511293 | Water Level Probe                                 |     |      |
| 4  | 7627813 | Ice Thickness Control Probe                       |     |      |
| 5  | 2301483 | Magnetic Bin Switch                               |     |      |
| 6  | 7620543 | Water Flow Clamp - Use on Regular Cube Evap. Only |     |      |
| 7  | 4004733 | Water Curtain                                     |     |      |
| 8  | 7624983 | Water Distribution Tube - B/J/Q                   |     |      |
| 9  | 4300629 | Water Trough Plug                                 |     |      |
| 10 | 4303883 | Water Inlet Flow Tube                             |     |      |
| 11 | 7628023 | Water Curtain Magnet and Cap                      |     |      |
| 12 | 4421243 | Drain Pump Vent Tube                              |     |      |
| 13 | 4421153 | Water Pump Out Tubing                             |     |      |
| 14 | 5000013 | Thumbscrew - #8-32 x 0.375"                       |     |      |
| 15 | 5202069 | Screw - #10-24 x 0.50" HEX                        |     |      |
| 16 | 5202189 | Screw - #10-24 x 0.75"                            |     |      |
| 17 | 7628063 | Base and Water Trough Repair Kit                  |     |      |
| 18 | 7626213 | Evaporator Top Molding and Gasket Assembly        |     |      |
| 19 | 7627763 | Water Curtain Pin Assembly                        |     |      |

## Q1000 - REFRIGERATION COMPARTMENT - COMMON COMPONENTS



# Q1000, JC1095

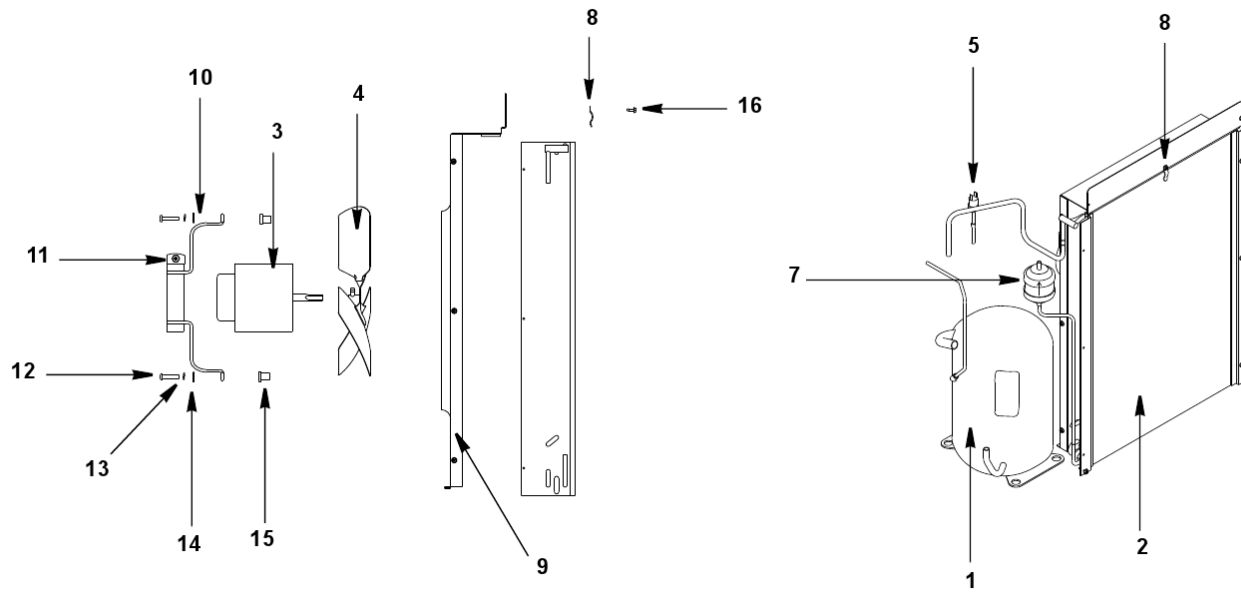
## Q1000 - REFRIGERATION COMPARTMENT - COMMON COMPONENTS

| #   | PART #    | DESCRIPTION                                      | QTY | Note |
|-----|-----------|--------------------------------------------------|-----|------|
| 1   |           | Compressor                                       |     |      |
| 1a  | 7628183   | Compressor - Tecumseh - 208-230V/60 Hz/1 Ph      |     |      |
| 1b  | 7628193   | Compressor - Tecumseh - 208-230V/60 Hz/3 Ph      |     |      |
| 1c  | 7628203   | Compressor - Tecumseh - 230V/50 Hz/1 Ph          |     |      |
| 2   |           | Water Dump Valve                                 |     |      |
| 2a  | 000001768 | Water Dump Valve - 208-230V/50-60 Hz             |     |      |
| 3   |           | Hot Gas Valve                                    |     |      |
| 3a  | 2404953   | Solenoid Valve Assembly - 208-230V/50-60 Hz/1 Ph |     |      |
| 3b  | 2404483   | Alco Solenoid Valve Coil Only - 230V/50 Hz       |     |      |
| 4   |           | Water Inlet Valve                                |     |      |
| 4a  | 000007966 | Water Inlet Valve - 208-230V/50-60 Hz            |     |      |
| 5   | 7600223   | Expansion Valve                                  |     |      |
| 6   |           | Expansion Valve Body Insulation Boot             |     |      |
| 6a  | 4007213   | Valve Insulation Boot - Body                     |     |      |
| 6b  | 4000363   | Valve Insulation Boot - Body                     |     |      |
| 7   | 4007203   | Valve Insulation Boot - Bulb                     |     | [1]  |
| 8   | 8310153   | Manifold Strainer - 3 Hole                       |     |      |
| 8a  | 8250963   | Manifold Strainer - 4 Hole                       |     |      |
| 9   | 2078103   | Water Pump Electrical Wire Lead                  |     |      |
| 10a | 2355369   | High Pressure Cut-out Control                    |     | [2]  |
| 10b | 2001243   | High Pressure Cut-out Control                    |     | [3]  |
| 11  | 6023541   | Dump Valve/Water Inlet Valve Mounting Bracket    |     |      |
| 12  | 6022041   | Right Corner Post Weldment                       |     |      |
| 13  | 8706083   | Female Wing Adapter - 0.50"                      |     |      |
| 14  | 4420383   | Clear Tubing - 0.625" ID                         |     |      |
| 15  | 8503069   | Mounting - Rubber Grommet                        |     |      |
| 16  | 5573419   | Washer                                           |     |      |
| 17  | 5012309   | Compressor Mounting - Screw                      |     |      |
| 18  | 5650709   | Snap Clamp - 0.799"/0.899" ID                    |     |      |
| 19  | 5650529   | Clamp - Expansion Valve Bulb                     |     |      |
| 20  | 5202099   | Screw - #10-24 x 0.50" PHIL                      |     |      |
| 21  | 5202189   | Screw - #10-24 x 0.75"                           |     |      |
| 22  | 6022051   | Left Corner Post Weldment                        |     |      |
| 23  | 2006143   | Terminal Block - 50 Hz - 3 Pole                  |     | [4]  |

### PART NOTES:

- [1] - \pages from 400720\_08.jpg" width=923 height=583>
- [2] - Manual Reset
- [3] - Auto Reset
- [4] - 50 Hz only

## Q1000 - REFRIGERATION COMPARTMENT - AIR-COOLED COMPONENTS



# Q1000, JC1095

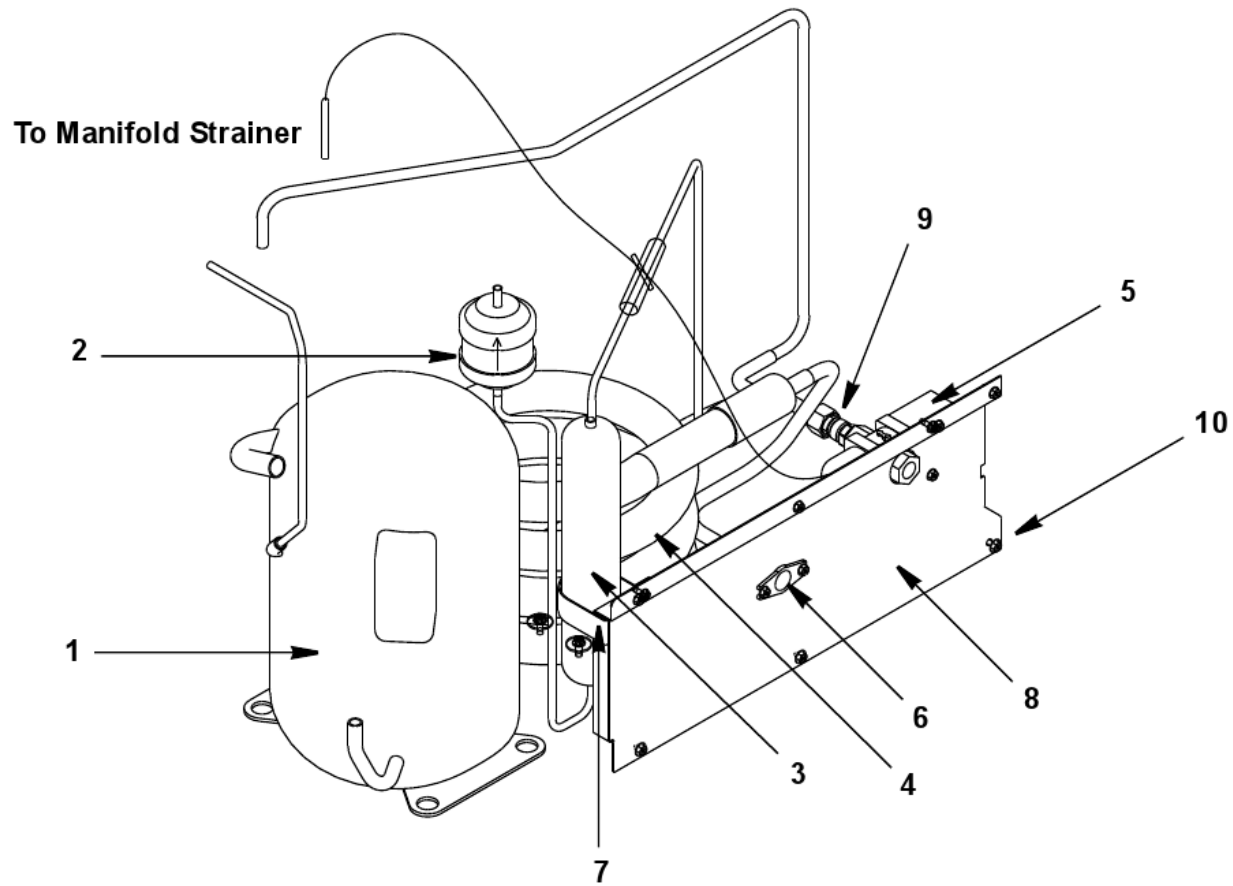
## Q1000 - REFRIGERATION COMPARTMENT - AIR-COOLED COMPONENTS

| #   | PART #  | DESCRIPTION                        | QTY | Note |
|-----|---------|------------------------------------|-----|------|
| 1   |         | Compressor                         |     | [1]  |
| 2   | 8251153 | Air Condenser                      |     |      |
| 3   | 7626723 | Fan Motor - 208-230V/50-60 Hz      |     |      |
| 4   | 2416123 | Fan Blade                          |     |      |
| 5   | 2001273 | Fan Cycling Control - 225-275 psig |     | [2]  |
| 6   | 4040213 | Air Filter                         |     |      |
| 7   | 8930259 | Drier                              |     |      |
| 8   | 5650699 | Air Filter Clip                    |     |      |
| 9   | 6018821 | Fan Shroud                         |     |      |
| 10  | 3006843 | Fan Motor Bracket                  |     |      |
| 11  | 5033589 | Mounting - Screw                   |     |      |
| 11a | 5545109 | Mounting - Lockwasher              |     |      |
| 11b | 5429529 | Mounting - Hexnut                  |     |      |
| 12  | 5033589 | Mounting - Screw                   |     |      |
| 13  | 5545109 | Lockwasher                         |     |      |
| 14  | 5573059 | Mounting - Flatwasher              |     |      |
| 15  | 5429559 | Mounting - Rubber Wellnut          |     |      |
| 16  | 5202069 | Screw - #10-24 x 0.50" HEX         |     |      |

### PART NOTES:

- [1] - Refer to COMMON PARTS Page
- [2] - \pages from 200126\_09.jpg" width=170 height=228>

## Q1000 - REFRIGERATION COMPARTMENT - WATER-COOLED COMPONENTS



# Q1000, JC1095

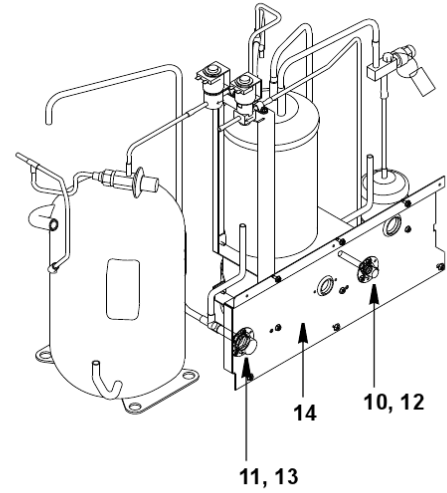
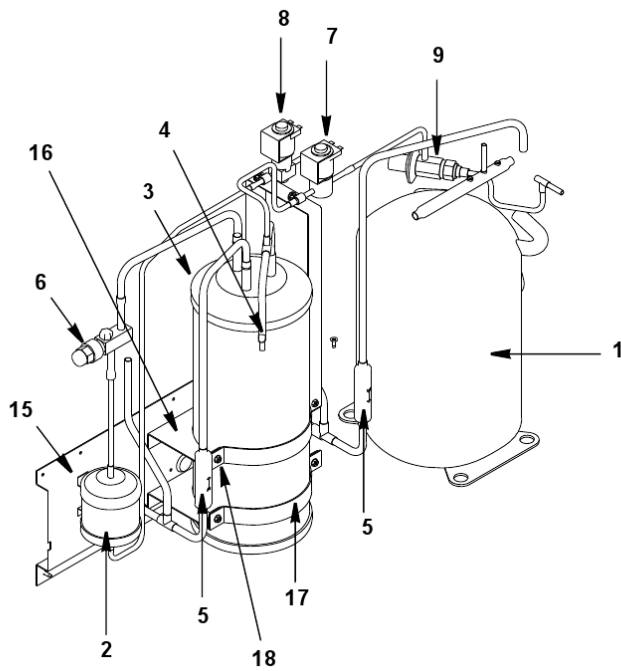
## Q1000 - REFRIGERATION COMPARTMENT - WATER-COOLED COMPONENTS

| #  | PART #    | DESCRIPTION                 | QTY | Note |
|----|-----------|-----------------------------|-----|------|
| 1  |           | Compressor                  |     | [1]  |
| 2  | 8930259   | Drier                       |     |      |
| 3  | 000008893 | Receiver                    |     |      |
| 4  | 000001507 | Water-cooled Condenser      |     |      |
| 5  | 8372069   | Water Regulating Valve      |     |      |
| 6  | 8706083   | Female Wing Adapter - 0.50" |     |      |
| 7  | 6000541   | Receiver Strap              |     |      |
| 8  | 6019061   | Back Panel                  |     |      |
| 9  | 8332033   | Water Coupling              |     |      |
| 10 | 5202189   | Screw - #10-24 x 0.75"      |     |      |

### PART NOTES:

[1] - Refer to COMMON PARTS Page

## Q1000 - REFRIGERATION COMPARTMENT - REMOTE COMPONENTS



# Q1000, JC1095

## Q1000 - REFRIGERATION COMPARTMENT - REMOTE COMPONENTS

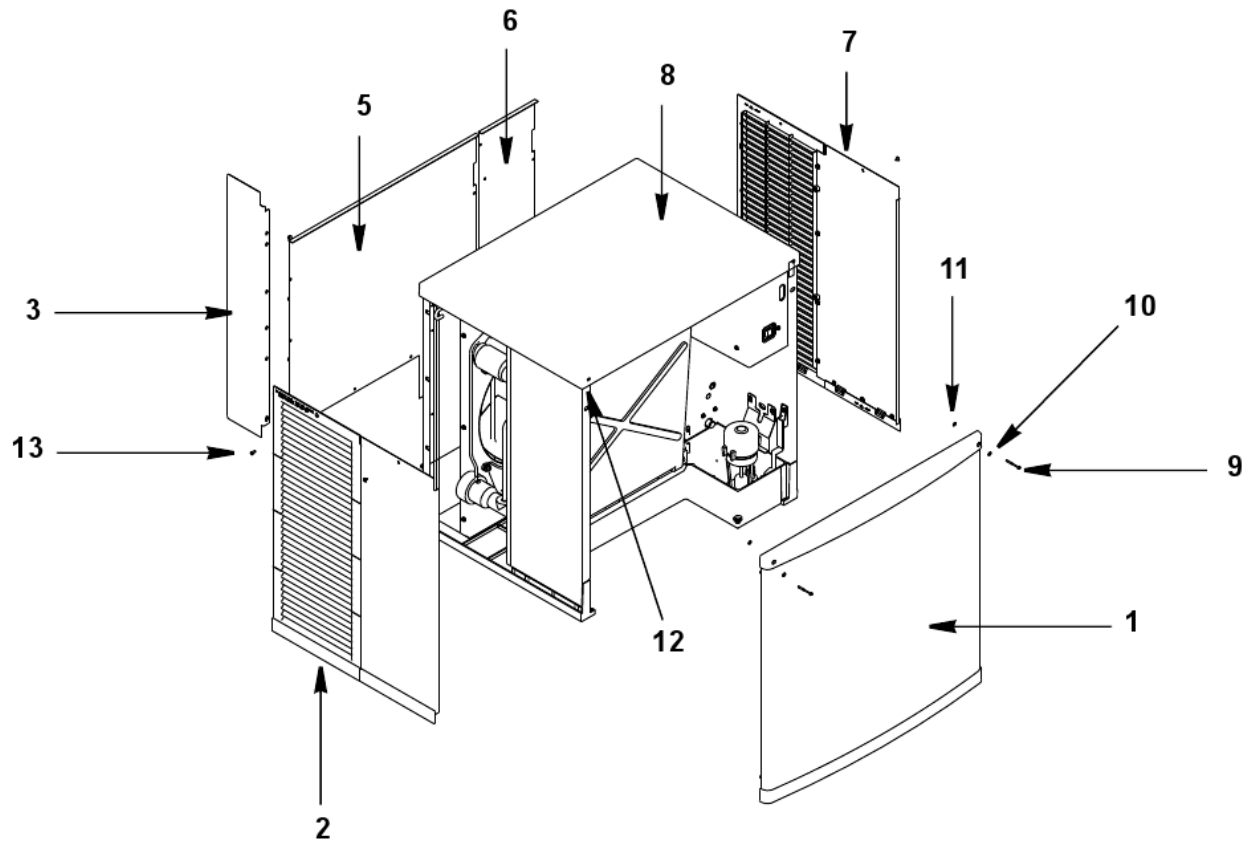
| #  | PART #    | DESCRIPTION                                          | QTY | Note |
|----|-----------|------------------------------------------------------|-----|------|
| 1  |           | Compressor                                           |     | [1]  |
| 2  | 8930279   | Drier                                                |     |      |
| 3  | 7629573   | Receiver                                             |     |      |
| 4  |           | Safety Soft Plug                                     |     | [2]  |
| 5  | 8373149   | Magni-Check Valve - 0.375"                           |     |      |
| 6  | 8373169   | Receiver Service Valve                               |     |      |
| 6a | 5650753   | Caps for Refrigeration Service Valve                 |     |      |
| 7  |           | Harvest Pressure Regulating Solenoid (HPR) Valve     |     |      |
| 7a | 7630061   | Danfoss Solenoid Valve with Coil - 208-230V/50-60 Hz |     |      |
| 7b | 000005157 | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz     |     | [3]  |
| 7c | 2404483   | Alco Solenoid Valve Coil Only - 230V/50 Hz           |     |      |
| 8  |           | Liquid Line Solenoid (LLS) Valve                     |     |      |
| 8a | 7630081   | Danfoss Solenoid Valve 208-230V                      |     |      |
| 8b | 000005157 | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz     |     | [3]  |
| 8c | 2404483   | Alco Solenoid Valve Coil Only - 230V/50 Hz           |     |      |
| 9  | 8367793   | Harvest Pressure Regulating Valve                    |     |      |
| 10 | 8360343   | Coupling - Male - 5/8-18                             |     |      |
| 11 | 8360353   | Coupling - Male - 1-1/6-12                           |     |      |
| 12 | 8360053   | Coupling Mounting Flange for 5/8-18                  |     |      |
| 13 | 8360063   | Coupling Mounting Flange for 1-1/16-12               |     |      |
| 14 | 6019061   | Back Panel                                           |     |      |
| 15 | 6017371   | Drier Support Bracket                                |     |      |
| 16 | 6000561   | Receiver Mounting Bracket                            |     |      |
| 17 | 6307214   | Receiver Mounting Strap                              |     |      |
| 18 | 5202069   | Screw - #10-24 x 0.50" HEX                           |     |      |

### PART NOTES:

- [1] - Refer to COMMON PARTS
- [2] - No Longer Available
- [3] - \pages from 000005156\_02.jpg" width=266 height=183>

# Q1000, JC1095

## Q1000 - PANELS



# Q1000, JC1095

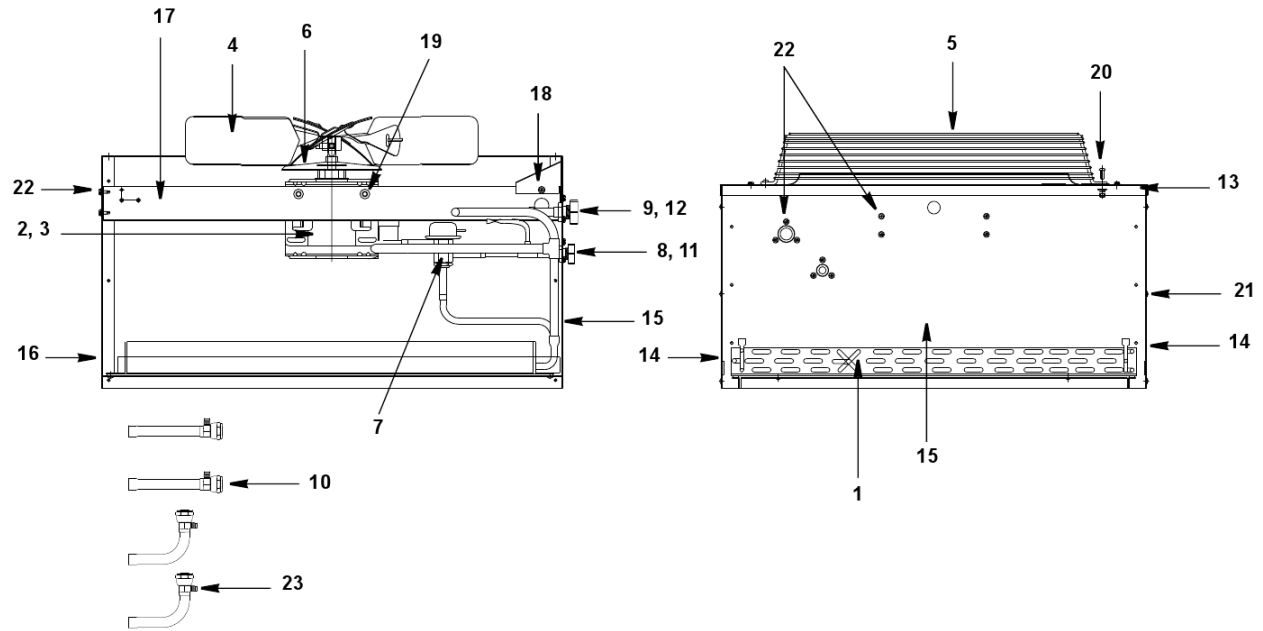
## Q1000 - PANELS

| #  | PART #  | DESCRIPTION                             | QTY | Note |
|----|---------|-----------------------------------------|-----|------|
| 1  | 7600553 | Front Panel Assembly                    |     |      |
| 2  | 7628593 | Left Side Panel                         |     |      |
| 3  | 6023761 | Air Baffle                              |     |      |
| 4  | 4040213 | Air Filter                              |     |      |
| 5  | 6024981 | Back Panel                              |     |      |
| 6  | 6024991 | Back Panel, Air                         |     |      |
| 7  | 7628603 | Right Side Panel                        |     |      |
| 8  | 4303313 | Top Cover                               |     |      |
| 9  | 5119019 | Screw - #8 x 1.75"                      |     | [1]  |
| 10 | 5573389 | Washer - Nylon 0.171" x 0.38"           |     | [1]  |
| 11 | 5648279 | Screw Retainer - Nylon #8               |     | [1]  |
| 12 | 5473039 | Speed Nut Assembly to Mount Front Cover |     | [1]  |
| 13 | 5202099 | Screw - #10-24 x 0.50" PHIL             |     |      |
| 14 | 9202509 | Extruded Tape                           |     |      |
| 15 | 6580419 | Front Top Support                       |     |      |

### PART NOTES:

- [1] - Items 9, 10, 11 and 12 can be ordered as assembly 7628983.

## JC1095 REMOTE CONDENSER COMPONENTS



# Q1000, JC1095

## JC1095 REMOTE CONDENSER COMPONENTS

| #   | PART #    | DESCRIPTION                                 | QTY | Note |
|-----|-----------|---------------------------------------------|-----|------|
| 1   | 8850899   | Air Condenser                               |     |      |
| 2   | 7629413   | Fan Motor - 208-230V/50-60 Hz/1 Ph          |     |      |
| 3   | 8504583   | Fan Motor Run Capacitor                     |     | [1]  |
| 4   | 2416113   | Fan Blade                                   |     |      |
| 5   | 3400643   | Fan Guard                                   |     |      |
| 6   | 2415053   | Rain Slinger                                |     |      |
| 7   | 000004070 | Head Pressure Control Valve                 |     |      |
| 8   | 8360343   | Coupling - Male - 5/8-18                    |     |      |
| 9   | 8360353   | Coupling - Male - 1-1/6-12                  |     |      |
| 10  | K0129     | Female Line Set Coupling Kit                |     |      |
| 11  | 8360053   | Coupling Mounting Flange for 5/8-18         |     |      |
| 12  | 8360063   | Coupling Mounting Flange for 1-1/16-12      |     |      |
| 13  | 6017751   | Top Cover                                   |     |      |
| 14  | 6017741   | Panel - Side                                |     |      |
| 15  | 6017731   | Panel - Rear                                |     |      |
| 16  | 6017721   | Panel - Front                               |     |      |
| 17  | 6017681   | Fan Motor Mounting Bracket                  |     |      |
| 18  | 6017761   | Electrical Box Cover                        |     |      |
| 19  | 5035659   | Fan Motor Mounting Screw                    |     |      |
| 19a | 5573099   | Mounting - Flatwasher                       |     |      |
| 19b | 5573139   | Mounting - Lockwasher                       |     |      |
| 19c | 5429759   | Mounting - Hexnut                           |     |      |
| 20  | 5033459   | Screw - 1/4-20 x 0.625"                     |     |      |
| 20a | 5573049   | Flatwasher                                  |     |      |
| 20b | 5545119   | Mounting - Lockwasher                       |     |      |
| 20c | 5429529   | Mounting - Hexnut                           |     |      |
| 21  | 5121539   | Panel/Condenser Mounting Screw - #8 x 0.50" |     |      |
| 21a | 5544599   | Panel/Condenser Mounting Lockwasher         |     |      |
| 22  | 5202069   | Screw - #10-24 x 0.50" HEX                  |     |      |
| 23  | 7626843   | Valve Cores                                 |     |      |
| 24  | 6017691   | Legs                                        |     |      |

### PART NOTES:

[1] - Emerson