



# ***Manitowoc***

## **Foodservice**

## **Parts Manual**

For more Parts Information:

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

# TABLE OF CONTENTS

Manitowoc Foodservice [Updated: Sep. 30, 2013]

Manitowoc - Ice & Related

Parts Catalog

Ice Machine

Indigo Series

Indigo Model - Air, Water & Remote

i0450 Indigo

i0450 Control Box ..... 1

i0450 Evaporator Compartment - Common Components ..... 4

i0450 Refrigeration Compartment - Common Components ..... 7

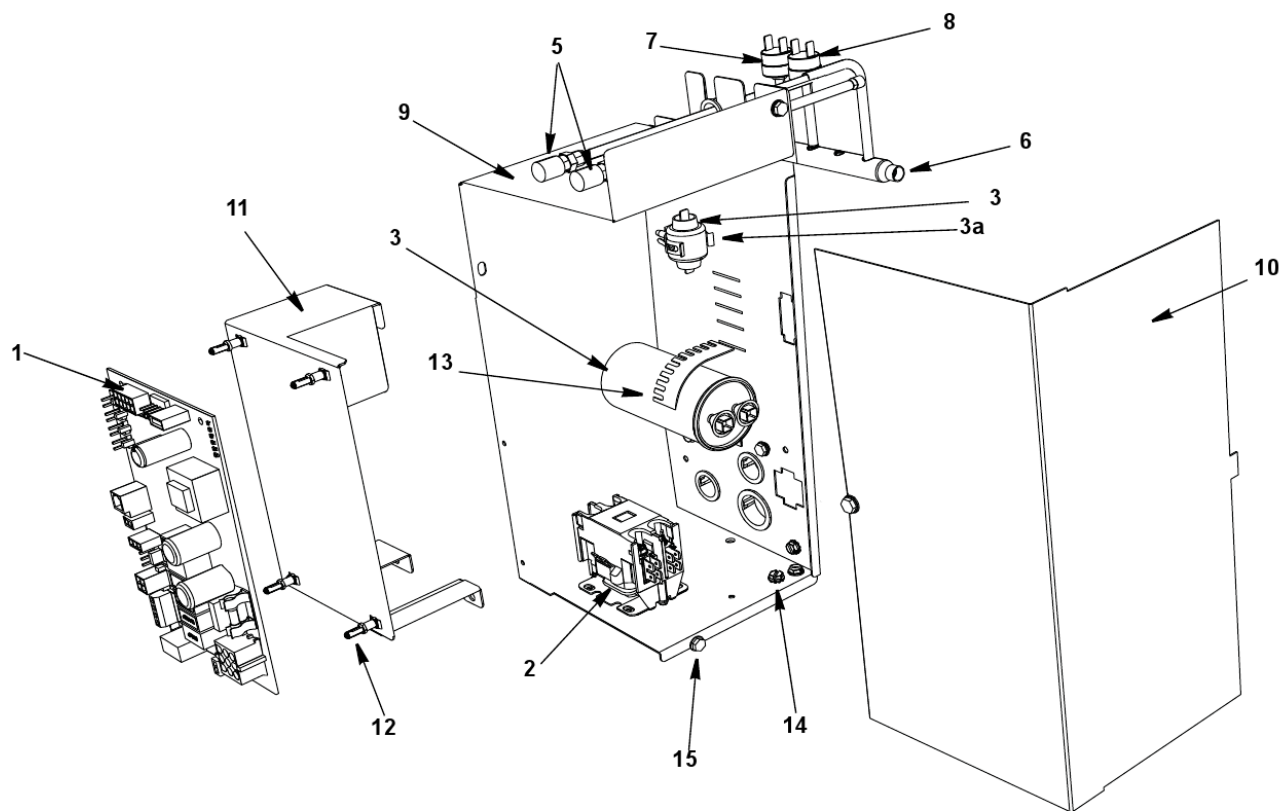
i0450 Refrigeration Compartment - Air-cooled ..... 10

i0450 Refrigeration Compartment - Water-cooled ..... 12

i0450 Panels ..... 14

# i0450 Indigo

## I0450 CONTROL BOX



## I0450 CONTROL BOX

| #   | PART #    | DESCRIPTION                                            | QTY | Note |
|-----|-----------|--------------------------------------------------------|-----|------|
| 1   | 000008309 | Control Board                                          |     |      |
| 1a  | 000009181 | 8 amp Ceramic Fuse - Mounted on Control Board          |     |      |
| 2   |           | Contactor                                              |     |      |
| 2a  | 2006589   | Contactor - 115V/60 Hz/1 Ph                            |     |      |
| 2b  | 2006599   | Contactor - 230V/50-60 Hz/1 Ph                         |     |      |
| 3   | 8505003   | PTCR Compressor Starter                                |     |      |
| 3a  | 8505023   | PTCR Mounting Bracket                                  |     |      |
| 4   |           | Compressor Run Capacitor - See Note for Usage          |     |      |
| 4a  | 2010133   | Compressor Run Capacitor - 115-230V/50-60 Hz/1 Ph      |     | [1]  |
| 4b  | 8504003   | Compressor Run Capacitor - 208-230V/50-60 Hz/1 Ph      |     | [2]  |
| 4c  | 000007675 | Compressor Run Capacitor - 208-230V/50-60 Hz/1 Ph      |     | [3]  |
| 5   | 8373263   | Refrigeration Service Valve Assembly                   |     |      |
| 6   | 000008364 | Manifold Strainer                                      |     |      |
| 6a  | 6058571   | Bracket                                                |     |      |
| 7   | 2001243   | High Pressure Cut-out Control                          |     | [4]  |
| 8   | 2001263   | Fan Cycling Control - 200-250 psig                     |     | [5]  |
| 9   | 000008279 | Control Box                                            |     |      |
| 10  | 000010421 | Control Box Cover                                      |     |      |
| 11  | 000007564 | Control Board Mounting Bracket                         |     |      |
| 12  | 4302253   | Control Board Mounting Supports                        |     |      |
| 13  | 6024953   | Capacitor Mounting Strap                               |     |      |
| 14  | 5202169   | Screw - #10-24 x 0.50" Ground                          |     |      |
| 14a | 5573209   | Star Washer                                            |     |      |
| 15  | 5202069   | Screw - #10-24 x 0.50" HEX                             |     |      |
| 16  | 5573209   | Star Washer                                            |     |      |
| 17  |           | Control Box Bushings                                   |     |      |
| 17a | 2500019   | Bushing - 1.187"                                       |     | [6]  |
| 17b | 2501409   | Bushing - 0.875"                                       |     | [7]  |
| 18  |           | Control Box Wiring Harness                             |     | [8]  |
| 18a | 000007696 | Control Box Wiring Harness - 115V/60 Hz/1 Ph           |     |      |
| 18b | 000007179 | Control Box Wiring Harness - 230V/60 Hz/1 Ph           |     |      |
| 18c | 000007181 | Control Box Wiring Harness - 230V/60 Hz/3 Ph           |     |      |
| 18d | 000007180 | Control Box Wiring Harness - 230V/50 Hz/1 Ph           |     |      |
| 19  |           | Compressor Compartment Wiring Harness                  |     | [8]  |
| 19a | 000007185 | Wiring Harness - Compressor Compartment - Air-cooled   |     |      |
| 19b | 000007177 | Wiring Harness - Compressor Compartment - Water-cooled |     |      |

## PART NOTES:

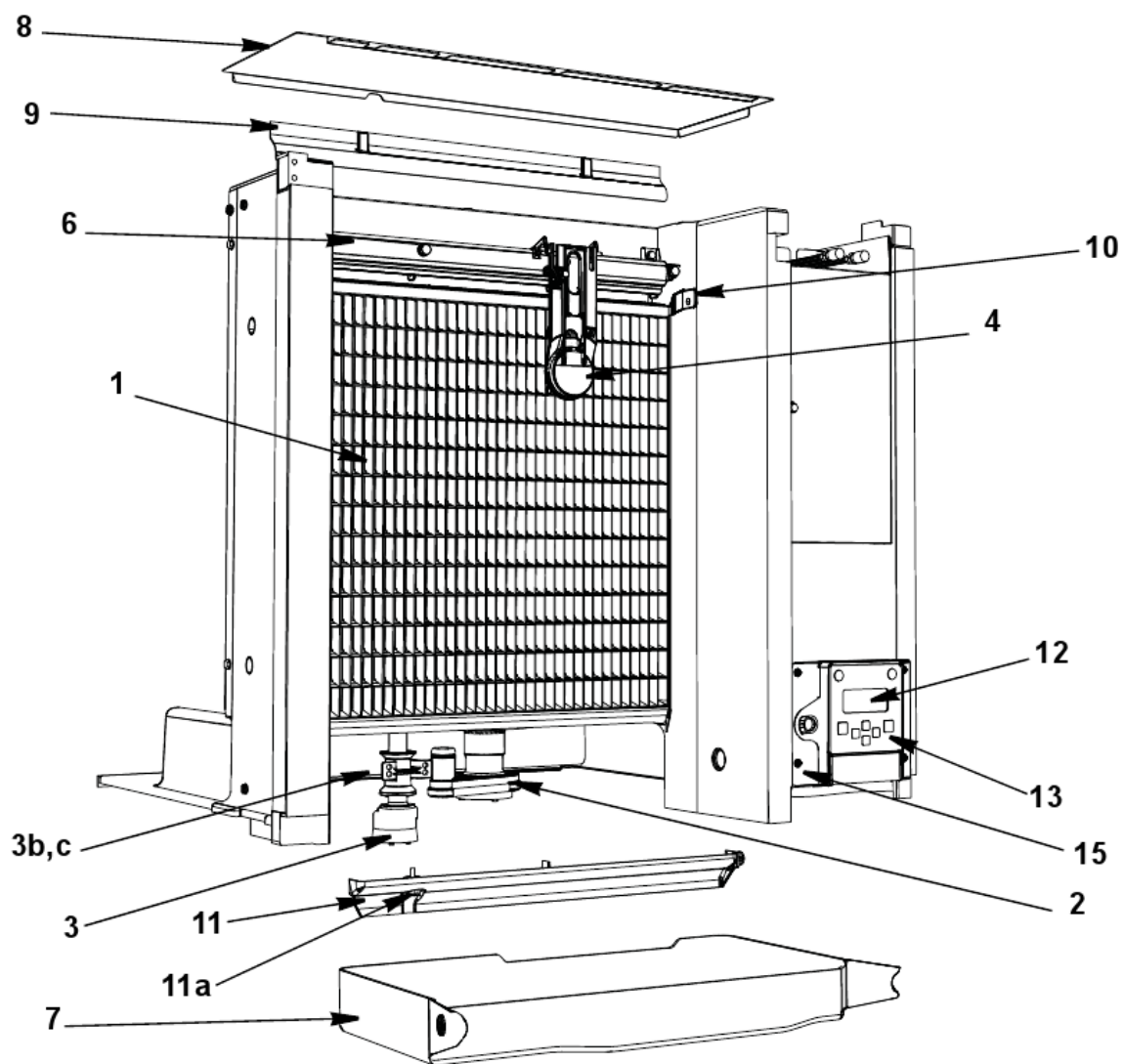
- [1] - 115V/60 Hz
- [2] - 230V/60 Hz
- [3] - 230V/50 Hz
- [4] - Auto Reset
- [5] - \pages from 200126\_09.jpg" width=150 height=306>

# i0450 Indigo

## I0450 CONTROL BOX

| #           | PART # | DESCRIPTION | QTY | Note |
|-------------|--------|-------------|-----|------|
| PART NOTES: |        |             |     |      |
| [6]         | -      | 1           |     |      |
| [7]         | -      | 4           |     |      |
| [8]         | -      | Not shown   |     |      |

## I0450 EVAPORATOR COMPARTMENT - COMMON COMPONENTS



## I0450 EVAPORATOR COMPARTMENT - COMMON COMPONENTS

| #   | PART #    | DESCRIPTION                              | QTY | Note |
|-----|-----------|------------------------------------------|-----|------|
| 1   |           | Evaporator Assembly                      |     |      |
| 1a  | 7602879   | Evaporator - Dice Cube                   |     |      |
| 1b  | 7602889   | Evaporator - Half Dice Cube              |     |      |
| 2   |           | Water Pump                               |     |      |
| 2a  | 2008929   | Water Pump - 115V/60 Hz                  |     |      |
| 2b  | 2008939   | Water Pump - 230V/60 Hz                  |     |      |
| 2c  | 2008949   | Water Pump - 230V/50 Hz                  |     |      |
| 3   | 000007052 | Water Level Probe                        |     |      |
| 3a  | 000007099 | Wire - Control Box to Probe              |     |      |
| 3b  | 000007053 | Water Level Probe - Holder               |     |      |
| 3c  | 5202099   | Screw - #10-24 x 0.50" PHIL              |     | [1]  |
| 4   | 000008660 | Ice Thickness Control Probe              |     |      |
| 5   | 4011189   | Water Curtain                            |     | [2]  |
| 6   | 7602789   | Water Distribution Tube - 22" Models     |     |      |
| 6a  | 5004649   | O-Rings                                  |     | [3]  |
| 7   |           | Water Trough - See Note for Serial Break |     |      |
| 7a  | 000002106 | Water Trough                             |     | [4]  |
| 7b  | 000010338 | Water Trough                             |     | [5]  |
| 8   | 000009055 | Foodzone Seal Panel                      |     |      |
| 9   | 4008469   | Evaporator Top Filler Panel              |     |      |
| 9a  | 6063339   | Bracket - Top Filler Panel               |     |      |
| 9b  | 5202099   | Screw - #10-24 x 0.50" PHIL              |     |      |
| 10  | 7602799   | Evaporator Top Frame Assembly            |     |      |
| 11  | 7602213   | Water Diverter - 30" Models              |     |      |
| 11a | 5305123   | Thumbscrew SS - #8-32 x 0.44"            |     |      |
| 12  | 000006728 | LCD Display                              |     |      |
| 13  | 000007926 | Touch Pad with Housing                   |     |      |
| 14  | 000007737 | LCD Wiring Harness - 30" Long            |     | [2]  |
| 15  | 000006697 | Touch Pad/Housing Mounting Bracket       |     |      |
| 16  |           | Front Panel LCD Frame                    |     |      |
| 16a | 000006647 | LCD Frame with Key Guard                 |     |      |
| 16b | 000006564 | LCD Frame without Key Guard              |     |      |
| 16c | K00433    | Display Cover                            |     | [6]  |
| 17  | 5004799   | Thumbscrew SS - #8-32 x 0.375"           |     | [7]  |
| 17a | 5004629   | O-Ring - 0.125" ID                       |     |      |
| 18  | 5004619   | Screw - #12-16 x 0.687"                  |     | [8]  |
| 19  | 5004659   | Water Pump Base O-Ring - 4.00" ID        |     |      |
| 20  | 5004679   | Water Pump Outlet O-Ring - 0.875" ID     |     |      |

## PART NOTES:

- [1] - Mount Water Level Probe Holder
- [2] - Not shown
- [3] - Back of Distribution Assembly

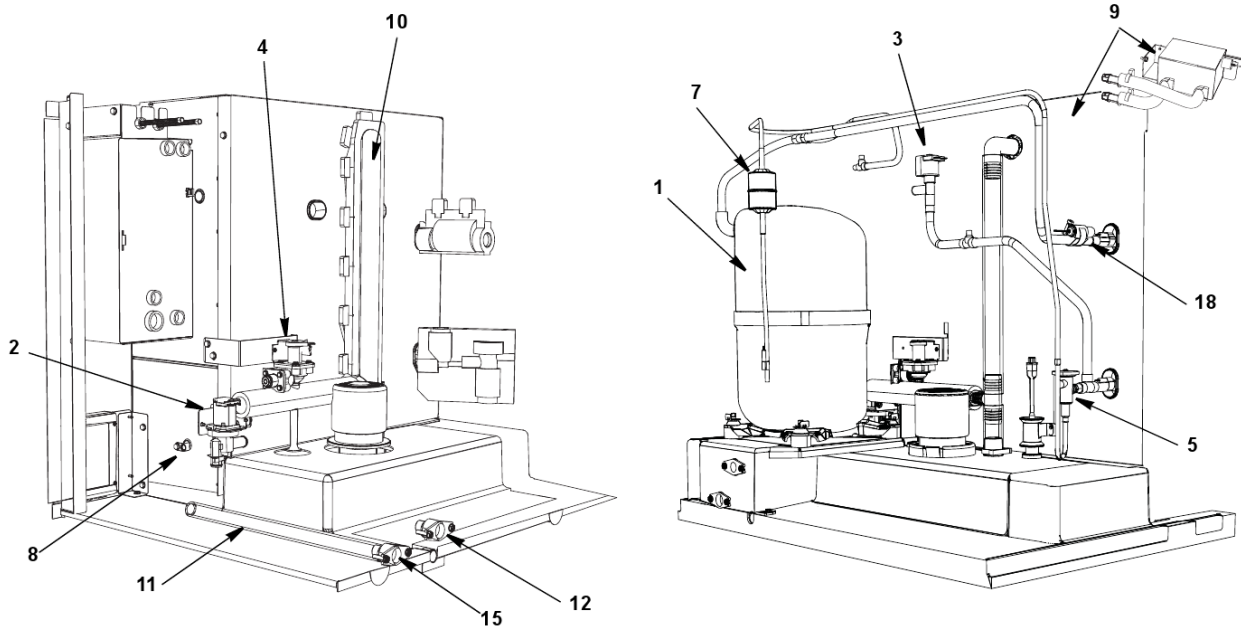
## I0450 EVAPORATOR COMPARTMENT - COMMON COMPONENTS

| # | PART # | DESCRIPTION | QTY | Note |
|---|--------|-------------|-----|------|
|---|--------|-------------|-----|------|

**PART NOTES:**

- [4] - Before Serial Number 1101223883
- [5] - After Serial Number 1101223883
- [6] - hides the display completely
- [7] - Water Distribution Tube Mounting
- [8] - Each

## I0450 REFRIGERATION COMPARTMENT - COMMON COMPONENTS



## I0450 REFRIGERATION COMPARTMENT - COMMON COMPONENTS

| #   | PART #    | DESCRIPTION                                                 | QTY | Note |
|-----|-----------|-------------------------------------------------------------|-----|------|
| 1   |           | Compressor                                                  |     |      |
| 1a  | 000008740 | Compressor - Emerson - 115V/60 Hz/1 Ph                      |     |      |
| 1b  | 000008741 | Compressor - Emerson - 208-230V/60 Hz/1 Ph                  |     |      |
| 1c  | 000008742 | Compressor - Emerson - 230V/50 Hz/1 Ph                      |     |      |
| 1d  | 000008997 | Overload - 115V/60 Hz                                       |     |      |
| 1e  | 000008998 | Overload - 230V/50-60 Hz                                    |     |      |
| 2   |           | Water Dump Valve                                            |     | [1]  |
| 2a  | 000001767 | Water Dump Valve - 115V/60 Hz                               |     |      |
| 2b  | 000001768 | Water Dump Valve - 208-230V/50-60 Hz                        |     |      |
| 2c  | 6058459   | Water Dump Valve Mounting Bracket                           |     |      |
| 2d  | 4420383   | Clear Tubing - 0.625" ID                                    |     |      |
| 3   |           | Harvest Valve                                               |     |      |
| 3a  | 000007029 | Harvest Valve Including 115V/60 Hz Electrical Coil          |     |      |
| 3b  | 000005156 | Danfoss Solenoid Valve Coil Only - 115V/60 Hz               |     | [2]  |
| 3c  | 000007028 | Harvest Valve Including 208-230V / 50-60 Hz Electrical Coil |     |      |
| 3d  | 000005157 | Danfoss Solenoid Valve Coil Only - 230V/50-60 Hz            |     | [3]  |
| 4   |           | Water Inlet Valve                                           |     |      |
| 4a  | 000007965 | Water Inlet Valve - 115V/60 Hz/1 Ph                         |     |      |
| 4b  | 000007966 | Water Inlet Valve - 208-230V/50-60 Hz                       |     |      |
| 4c  | 000007594 | Water Inlet Valve Bracket                                   |     |      |
| 5   | 7602903   | Expansion Valve                                             |     |      |
| 5a  | 4000363   | Valve Insulation Boot - Body                                |     |      |
| 5b  | 4007203   | Valve Insulation Boot - Bulb                                |     | [4]  |
| 6   | 000008310 | Thermistor with Spring Clips                                |     |      |
| 7   | 8930259   | Drier                                                       |     |      |
| 8   | 000007888 | Magnetic Bin Switch                                         |     |      |
| 8a  | 000007410 | Bin Switch Wiring Harness                                   |     |      |
| 9   | K00424    | LuminIce                                                    |     |      |
| 9a  | K00425    | LuminIce Bulb                                               |     |      |
| 9b  | 000007409 | LuminIce Wiring Harness                                     |     |      |
| 9c  | 000007990 | Bulkhead Fitting 2.25"                                      |     |      |
| 9d  | 000008269 | Bulkhead Fitting 2.75"                                      |     |      |
| 10  | 000003405 | Insulated Tube                                              |     | [5]  |
| 10a | 5650603   | Snap Clamp - 1.0" ID                                        |     |      |
| 10b | 5650703   | Snap Clamp - 0.799"/0.899" ID                               |     |      |
| 11  | 000001382 | Vinyl Tubing 0.625" ID                                      |     | [6]  |
| 11a | 6038831   | Insulation 0.88 ID X 0.25W X 13.50L                         |     |      |
| 11b | 5650709   | Snap Clamp - 0.799"/0.899" ID                               |     |      |
| 12  | 8706093   | Female Wing Adapter - 0.375"                                |     |      |
| 12a | 1360961   | Male Connector                                              |     |      |
| 13  | 4010439   | Tubing - Water Inlet Valve                                  |     | [7]  |
| 14  | 1360989   | Connector - Water Inlet Valve                               |     |      |

## I0450 REFRIGERATION COMPARTMENT - COMMON COMPONENTS

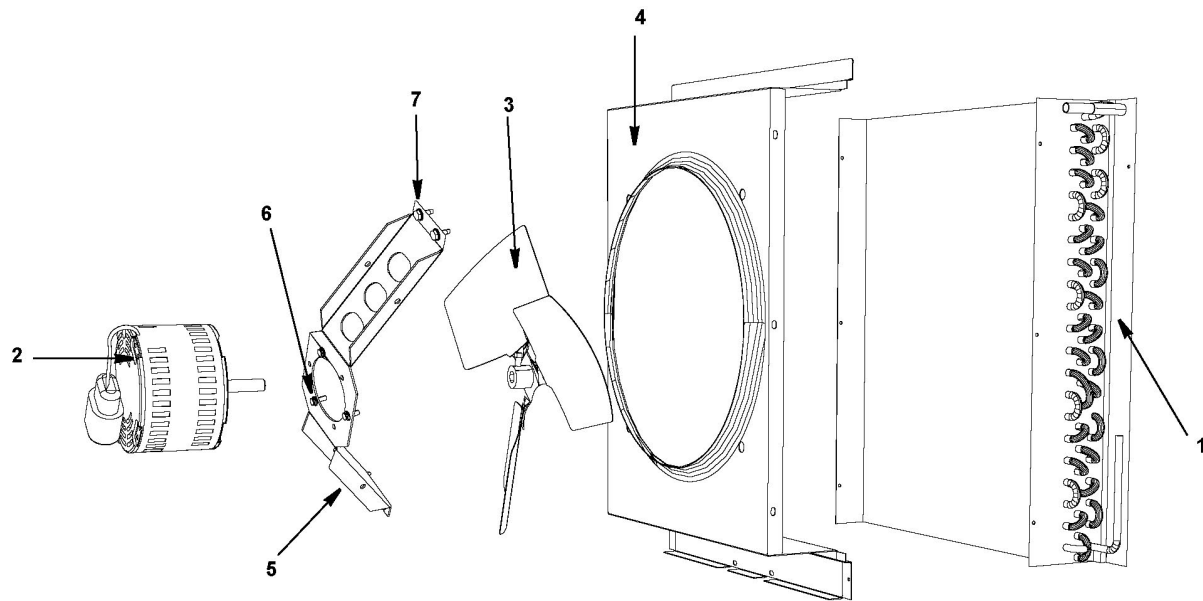
| #   | PART #  | DESCRIPTION                         | QTY | Note |
|-----|---------|-------------------------------------|-----|------|
| 15  | 8706133 | Female Wing Adapter - 0.50"         |     |      |
| 16  |         | Compressor Mounting                 |     |      |
| 16a | 6061709 | Compressor Mounting Base            |     |      |
| 16b | 8503069 | Mounting - Rubber Grommet           |     |      |
| 16c | 8503949 | Mounting - Sleeve                   |     |      |
| 16d | 5004819 | Compressor Mounting - Bolt          |     |      |
| 16e | 5004829 | Compressor Mounting - Nut           |     |      |
| 17  | 5650529 | Clamp - Expansion Valve Bulb        |     |      |
| 18  | 3000503 | Strap - Expansion Valve Bulb - 0.5" |     |      |
| 19  | 5202069 | Screw - #10-24 x 0.50" HEX          |     |      |

## PART NOTES:

- [1] - with bracket
- [2] - \pages from 000005156\_02.jpg" width=280 height=256>
- [3] - \pages from 000005156\_02.jpg" width=266 height=183>
- [4] - \pages from 400720\_08.jpg" width=923 height=583>
- [5] - vinyl tubing from distribution tube to water pump & dump valve
- [6] - dump valve to drain adapter
- [7] - \pages from 401043\_05.jpg" width=1797 height=2238>

# i0450 Indigo

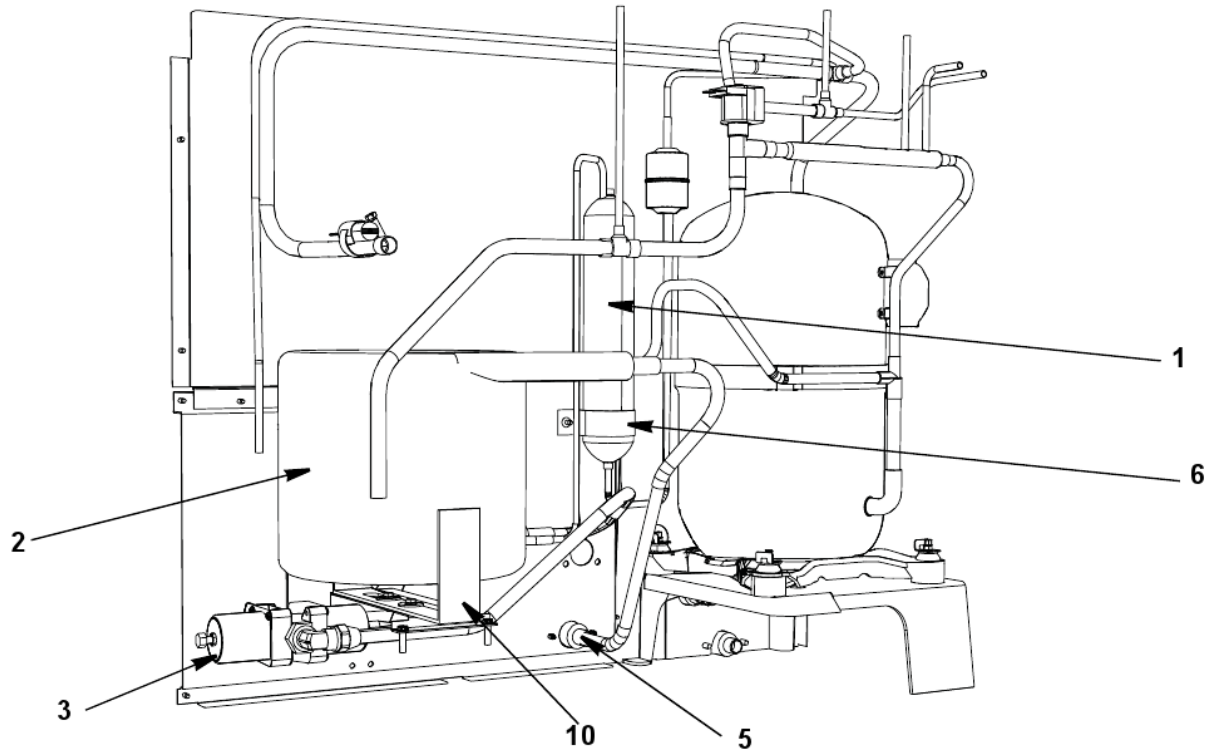
## I0450 REFRIGERATION COMPARTMENT - AIR-COOLED



## I0450 REFRIGERATION COMPARTMENT - AIR-COOLED

| #  | PART #  | DESCRIPTION                 | QTY | Note |
|----|---------|-----------------------------|-----|------|
| 1  | 8252129 | Air Condenser               |     |      |
| 2  |         | Fan Motor                   |     |      |
| 2a | 2412929 | Fan Motor 115V/60 Hz/1 Ph   |     |      |
| 2b | 2412939 | Fan Motor 208-230V/50-60 Hz |     |      |
| 3  | 2416203 | Fan Blade                   |     |      |
| 4  | 6061689 | Fan Shroud                  |     |      |
| 5  | 6061869 | Fan Motor Bracket           |     |      |
| 6  | 5033589 | Mounting - Screw            |     |      |
| 6a | 5545109 | Lockwasher                  |     |      |
| 6b | 5429529 | Mounting - Hexnut           |     |      |
| 7  |         | Fan Bracket Mounting        |     |      |
| 7a | 5032389 | Fan Bracket Mounting Screw  |     |      |
| 7b | 5545109 | Lockwasher                  |     |      |
| 7c | 5573059 | Mounting - Flatwasher       |     |      |
| 7d | 5429559 | Mounting - Rubber Wellnut   |     |      |
| 8  | 5202069 | Screw - #10-24 x 0.50" HEX  |     |      |

## I0450 REFRIGERATION COMPARTMENT - WATER-COOLED

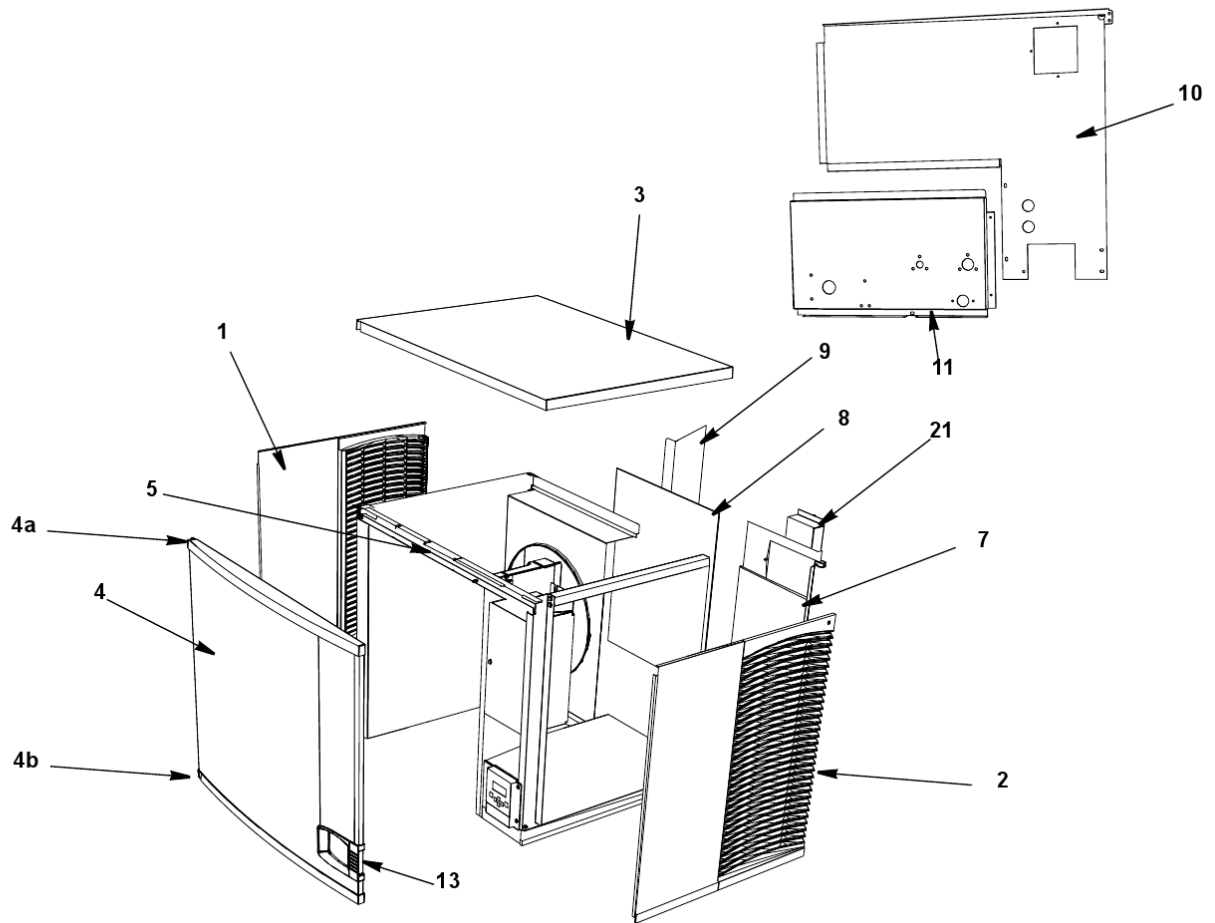


## I0450 REFRIGERATION COMPARTMENT - WATER-COOLED

| #  | PART #    | DESCRIPTION                            | QTY | Note |
|----|-----------|----------------------------------------|-----|------|
| 1  | 000008892 | Receiver                               |     |      |
| 2  | 000000046 | Water-cooled Condenser                 |     |      |
| 3  | 000007546 | Water Regulating Valve                 |     |      |
| 3a | 000007695 | Bracket - Water Regulating Valve       |     |      |
| 4  | 000007553 | High Pressure Water Regulating Valve   |     |      |
| 4a | 000008482 | Panel - High Pressure Regulating Valve |     |      |
| 5  | 8706083   | Female Wing Adapter - 0.50"            |     |      |
| 6  | 6000541   | Receiver Strap                         |     |      |
| 7  | 5002159   | Elbow 3/8 MF x 3/8 MPT                 |     |      |
| 8  | 5202069   | Screw - #10-24 x 0.50" HEX             |     |      |
| 9  | 5573419   | Washer                                 |     |      |
| 10 | 6058659   | Base, Water Condenser/Receiver         |     |      |

# i0450 Indigo

## I0450 PANELS



# i0450 Indigo

## I0450 PANELS

| #   | PART #    | DESCRIPTION                                                                    | QTY | Note |
|-----|-----------|--------------------------------------------------------------------------------|-----|------|
| 1   | 000005217 | Left Side Panel                                                                |     |      |
| 2   | 000005215 | Right Side Panel                                                               |     |      |
| 3   | 000006699 | Top Cover                                                                      |     |      |
| 4   | 000006577 | Front Panel Assembly                                                           |     |      |
| 4a  | 000006538 | Top Endcap                                                                     |     |      |
| 4b  | 000006539 | Bottom Endcap                                                                  |     |      |
| 5   | 000010051 | Front Top Support                                                              |     |      |
| 5a  | 5005379   | Mounting Screw - #8-32 x 1" PHIL                                               |     |      |
| 5b  | 5005099   | Mounting Screw - #10-16 x 0.625" PHIL                                          |     |      |
| 6   | 6061709   | Compressor Mounting Base                                                       |     |      |
|     |           | Air-cooled Back Panels                                                         |     |      |
| 7   | 6062039   | Back Panel with Electrical Connection Box, Air-cooled Models                   |     |      |
| 8   | 3005939   | Air Filter                                                                     |     |      |
| 9   | 000007314 | Air Baffle Assembly                                                            |     |      |
|     |           | Water-cooled & Remote Air-cooled Back Panels                                   |     |      |
| 10  | 6072071   | Back Panel with Electrical Connection Box - Water-cooled and Remote Air-cooled |     |      |
| 11  | 6061739   | Back Coupling Panel - Water-cooled and Remote Air-cooled                       |     |      |
| 12  | 8706083   | Female Wing Adapter - 0.50"                                                    |     |      |
| 13  |           | Front Panel LCD Frame                                                          |     |      |
| 13a | 000006647 | LCD Frame with Key Guard                                                       |     |      |
| 13b | 000006564 | LCD Frame without Key Guard                                                    |     |      |
| 13c | K00433    | Display Cover                                                                  |     | [1]  |
| 14  | 5004899   | Front Door Screw                                                               |     |      |
| 15  | 7602263   | Bottom Door Frame                                                              |     |      |
| 15a | 5005379   | Mounting Screw - #8-32 x 1" PHIL                                               |     |      |
| 15b | 5202099   | Screw - #10-24 x 0.50" PHIL                                                    |     |      |
| 16  | 3005579   | Left Door Pivot Leaf Hinge                                                     |     | [2]  |
| 16a | 5005379   | Mounting Screw - #8-32 x 1" PHIL                                               |     |      |
| 17  | 6068649   | Left Top Channel                                                               |     |      |
| 18  | 6062579   | Right Top Channel                                                              |     |      |
| 19  |           | Left Corner Post                                                               |     |      |
| 19a | 6061909   | Left Corner Post                                                               |     |      |
| 19b | 6062939   | Left Corner Post                                                               |     |      |
| 20  |           | Right Corner Post - See Note for Serial Break                                  |     |      |
| 20a | 6062929   | Right Corner Post                                                              |     | [3]  |
| 20b | 000010680 | Right Corner Post                                                              |     | [4]  |
| 21  |           | Electrical Box on Rear of Ice Machine                                          |     |      |
| 21a | 6067289   | Rear Connection Box                                                            |     |      |
| 21b | 6067299   | Rear Connection Box Cover                                                      |     |      |
| 21c | 2006143   | Terminal Block - 50 Hz - 3 Pole                                                |     |      |
| 21d | 5202169   | Screw - #10-24 x 0.50" Ground                                                  |     |      |
| 22  | 7112239   | Cartoning                                                                      |     |      |

# i0450 Indigo

## I0450 PANELS

| # | PART # | DESCRIPTION | QTY | Note |
|---|--------|-------------|-----|------|
|---|--------|-------------|-----|------|

**PART NOTES:**

- [1] - hides the display completely
- [2] - Top or Bottom
- [3] - Before Serial Number 1101223883
- [4] - After Serial Number 1101223883