



# ***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

RN Series

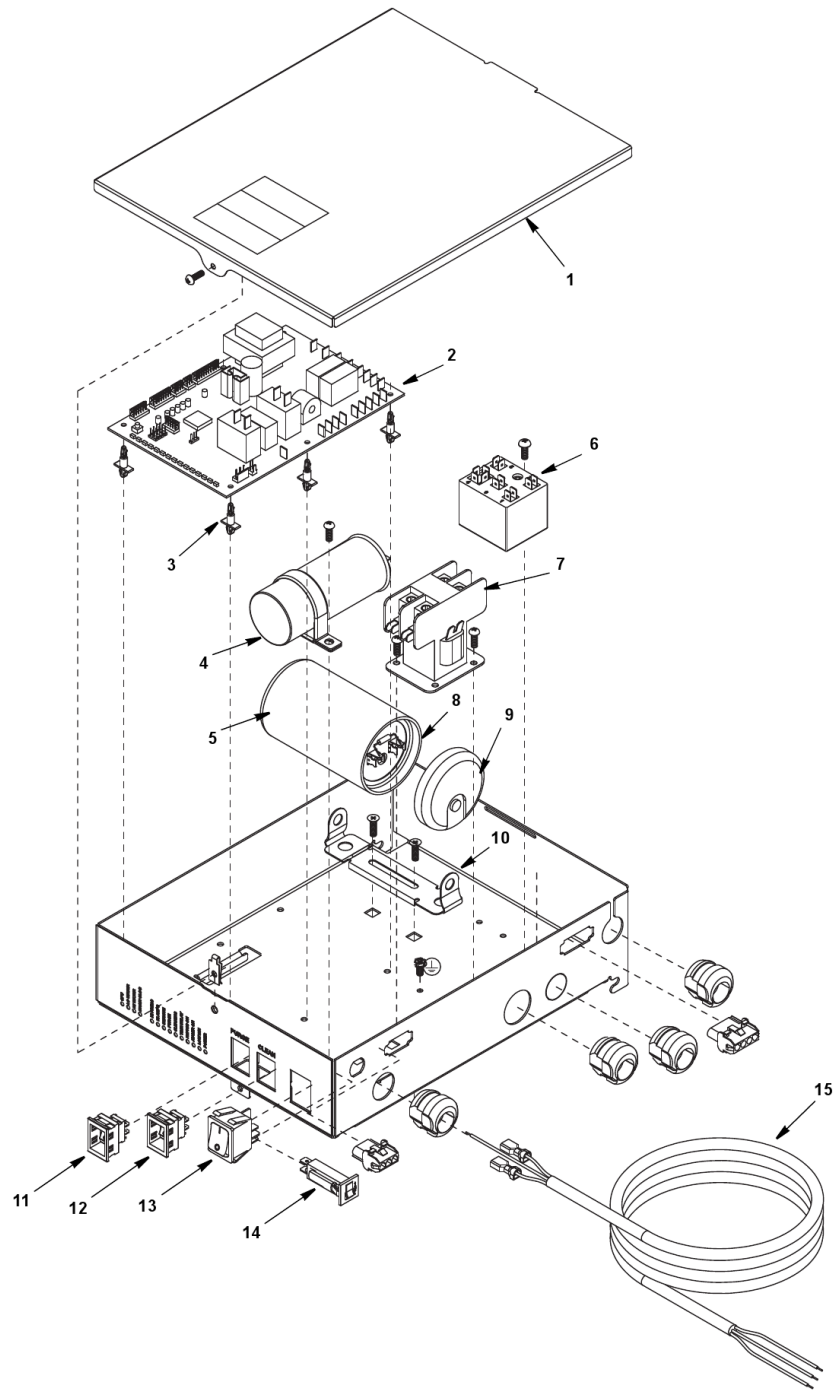
RN Model - Air & Water

RN1400

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# RN1400

## RN1400 CONTROL BOX



# RN1400

## RN1400 CONTROL BOX

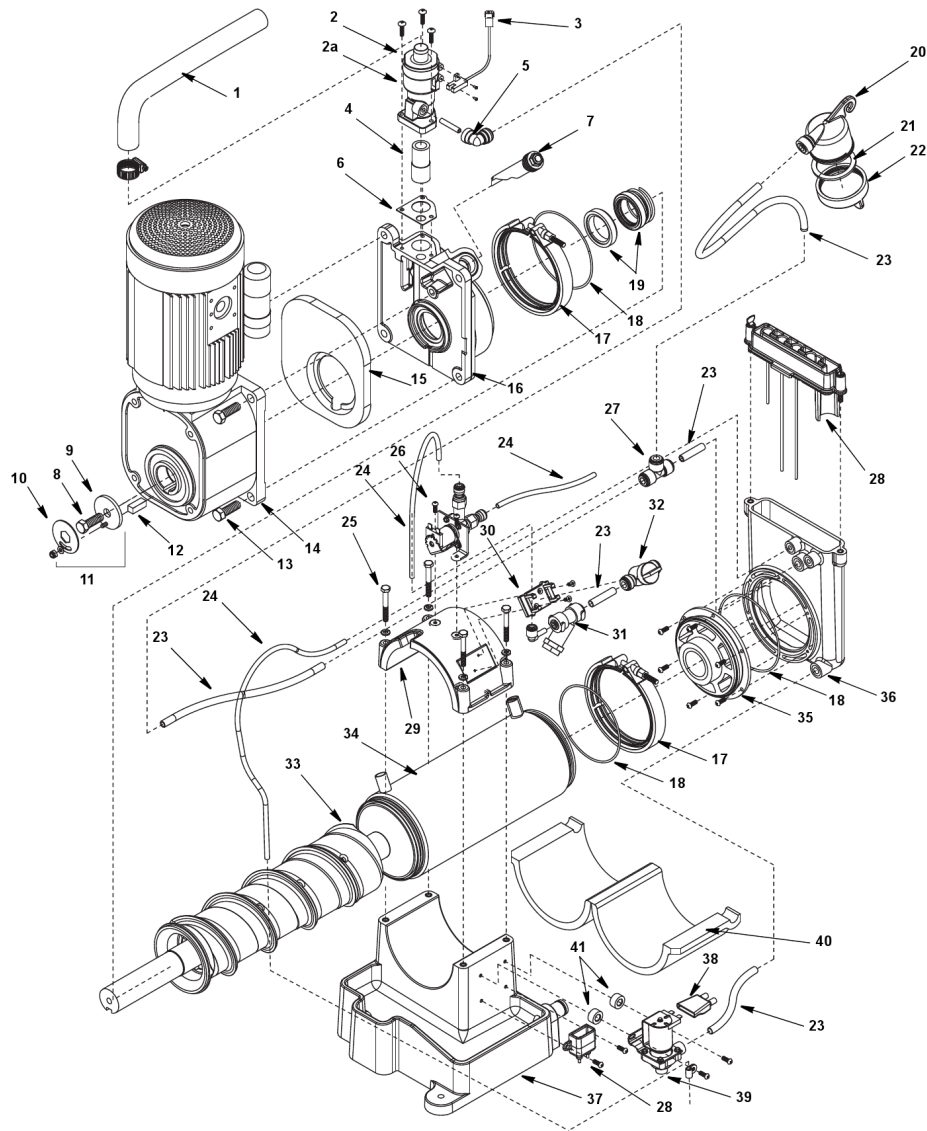
| #  | PART #    | DESCRIPTION                             | QTY | Note |
|----|-----------|-----------------------------------------|-----|------|
| 1  | 000007291 | Cover, electrical box, air/water-cooled |     |      |
| 1  | 000007401 | Cover, electrical box, remote           |     |      |
| 2  | 000007292 | Control Board - 240V                    |     | [1]  |
| 3  | 000007293 | Stand offs                              |     | [2]  |
| 4  | 000007294 | Capacitor, compressor run               |     |      |
| 5  | 000007295 | Clamp, Run Capacitor                    |     |      |
| 6  | 000007296 | Start Relay                             |     | [3]  |
| 7  | 000007297 | Contactor                               |     |      |
| 8  | 000007298 | Compressor Start Capacitor              |     |      |
| 9  | 000007299 | Cap - Capacitor                         |     |      |
| 10 | 000007300 | Bracket, capacitor                      |     |      |
| 11 | 000007301 | Switch, Evaporator Purge                |     |      |
| 12 | 000007302 | Switch, Evaporator Clean                |     |      |
| 13 | 000007303 | Switch, Ice Machine Power               |     |      |
| 14 | 000007304 | Circuit Breaker - 4 amp                 |     |      |
| 14 | 000007403 | Circuit Breaker - 8 amp                 |     |      |
| 15 | 000007404 | Power Cord - 120V                       |     |      |
| 15 | 00192120  | Power Cord - 240V                       |     |      |

### PART NOTES:

- [1] - includes 000007293
- [2] - set of 6
- [3] - includes wire harness

# RN1400

## RN1400 EVAPORATOR COMPARTMENT



# RN1400

## RN1400 EVAPORATOR COMPARTMENT

| #  | PART #    | DESCRIPTION                                 | QTY | Note |
|----|-----------|---------------------------------------------|-----|------|
| 1  | 000007196 | Ice Transport Tube                          |     |      |
| 2  | 000007197 | Shuttle Assembly                            |     | [1]  |
| 2a | 000007450 | Transport Tube Shuttle Actuator             |     |      |
| 3  | 000007198 | Optical Switch                              |     |      |
| 4  | 000007199 | Compression Nozzle                          |     |      |
| 5  | 000007200 | Water Elbow                                 |     |      |
| 6  | 000007201 | Shuttle Gasket                              |     |      |
| 7  | 000007203 | Stream Divider                              |     |      |
| 8  | 000007204 | Auger Bolt                                  |     |      |
| 9  | 000007205 | Auger Washer                                |     |      |
| 10 | 000007206 | Auger Retainer                              |     |      |
| 11 | 000007207 | Auger Bolt Kit                              |     | [2]  |
| 12 | 000007208 | Auger Key                                   |     |      |
| 13 | 000007209 | Gearmotor Mounting Bolt                     |     | [3]  |
| 14 | 000007210 | Gearmotor - 240V                            |     | [4]  |
| 15 | 000007211 | Gearmotor Gasket                            |     |      |
| 16 | 000007212 | Main Housing                                |     | [5]  |
| 17 | 000007213 | Coupling, V-band                            |     |      |
| 18 | 000007214 | O-ring                                      |     |      |
| 19 | 000007215 | Seal - Auger Shaft                          |     |      |
| 20 | 000007216 | Sanitizer Cup                               |     |      |
| 21 | 000007217 | Gasket, Sanitizer                           |     |      |
| 22 | 000007218 | Cap, Sanitizer                              |     | [6]  |
| 23 | 000007219 | Water Tubing - 0.375" OD                    |     |      |
| 24 | 000007143 | Water Tubing - 0.25" OD                     |     |      |
| 25 | 000007221 | Hardware - Mounting Evaporator Cap          |     |      |
| 26 | 000007562 | Water Inlet Valve                           |     | [7]  |
| 26 | 000007224 | Solenoid, Water Feed                        |     | [8]  |
| 27 | 000007225 | Water Tee                                   |     |      |
| 28 | 000007226 | Sensor Assembly, Water Level and Drain Clog |     |      |
| 29 | 000007227 | Evaporator Cap                              |     | [9]  |
| 30 | 000007228 | Clip, Water Shut-off Valve                  |     |      |
| 31 | 000007126 | Water Strainer                              |     |      |
| 32 | 000007230 | Water Shut-off Valve                        |     |      |
| 33 | 000007233 | Auger                                       |     | [5]  |
| 34 | 000007234 | Evaporator                                  |     | [10] |
| 35 | 000007243 | Journal Housing and Bearing                 |     | [11] |
| 36 | 000007244 | Water Reservoir                             |     |      |
| 37 | 000007245 | Evaporator Base                             |     |      |
| 38 | 000007246 | Boot - Solenoid                             |     |      |
| 39 | 000007247 | Purge Solenoid                              |     | [8]  |
| 40 | 000007248 | Insulation - Evaporator                     |     |      |

# RN1400

## RN1400 EVAPORATOR COMPARTMENT

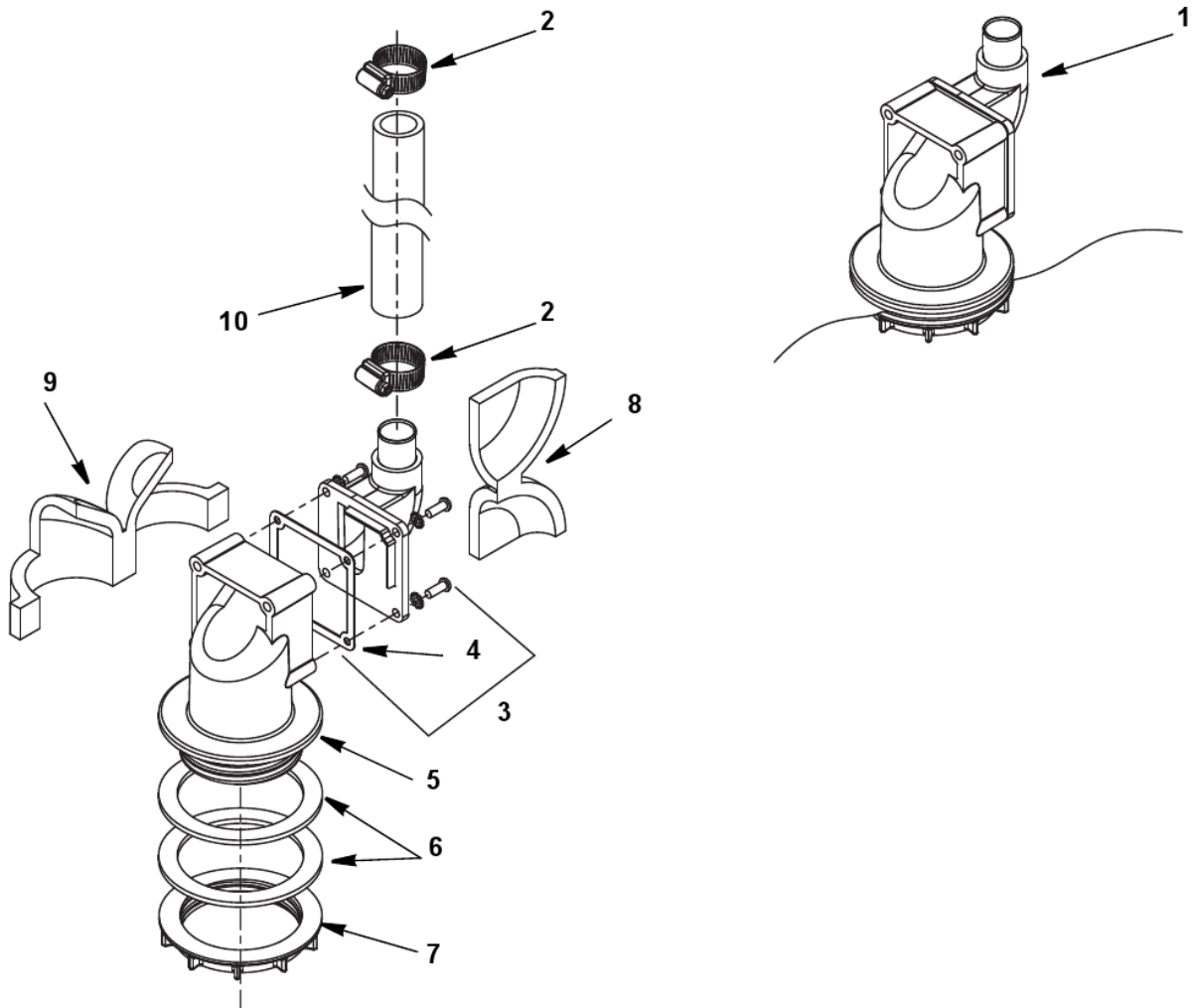
| # | PART # | DESCRIPTION | QTY | Note |
|---|--------|-------------|-----|------|
|---|--------|-------------|-----|------|

**PART NOTES:**

- [1] - includes 000007201
- [2] - auger bolt, washer, retainer, nut and washer
- [3] - 4
- [4] - includes capacitor
- [5] - includes 000007215 & 000007214
- [6] - includes 000007217
- [7] - 120V
- [8] - 240V
- [9] - includes 000007250 & 000007221
- [10] - includes 000007214 & 2 000007214
- [11] - includes 2 000007214

# RN1400

## RN1400 COMMON COMPONENTS



# RN1400

## RN1400 COMMON COMPONENTS

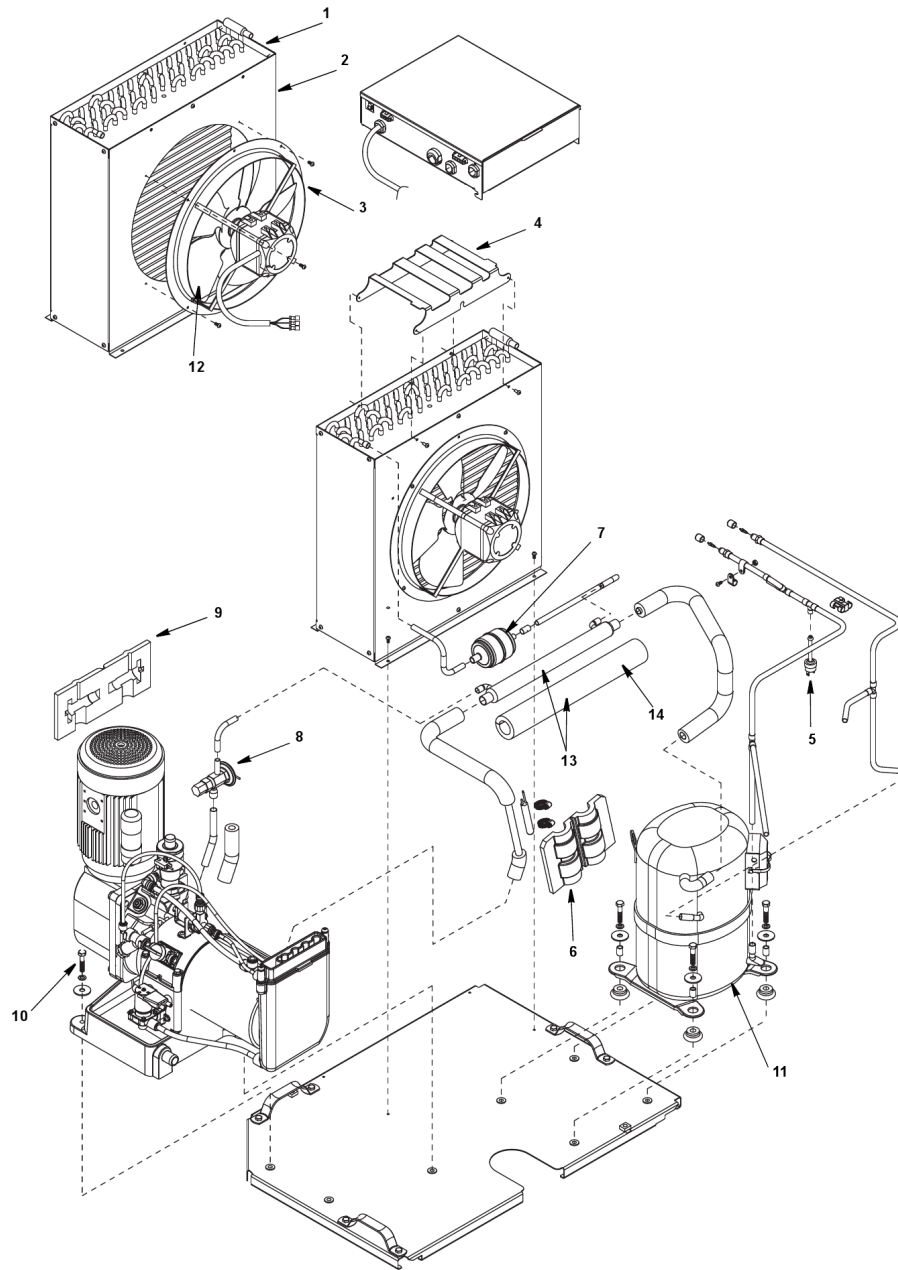
| #  | PART #    | DESCRIPTION                        | QTY | Note |
|----|-----------|------------------------------------|-----|------|
| 1  | 000007307 | Shuttle Actuator                   |     |      |
| 2  | 000007308 | Clamp                              |     |      |
| 3  | 000007309 | Actuator Elbow                     |     | [1]  |
| 4  | 000007311 | Gasket                             |     |      |
| 5  | 000007312 | Actuator Body                      |     |      |
| 6  | 000007313 | Gasket, Coupling                   |     |      |
| 7  | 000007319 | Locking Ring                       |     | [2]  |
| 8  | 000007323 | Insulation, Elbow                  |     |      |
| 9  | 000007324 | Insulation, Actuator               |     |      |
| 10 | 000007325 | Ice Transport Tube - Top Mount 30" |     |      |
| 11 | 000007326 | Integration Kit, Top Mount         |     |      |
| 12 | 000007327 | Integration Kit, Satellite-fill    |     | [3]  |
| 13 | 000007355 | Extension-fill Tube - 9"           |     |      |
| 14 | 00153684  | Extension-fill tube, 4"            |     |      |
| 15 | 000007358 | Sani-Sponge Kit                    |     |      |

### PART NOTES:

- [1] - includes 000007311 and fasteners
- [2] - includes 000007313
- [3] - requires transport tube

# RN1400

## RN1400 REFRIGERATION COMPARTMENT - AIR-COOLED



# RN1400

## RN1400 REFRIGERATION COMPARTMENT - AIR-COOLED

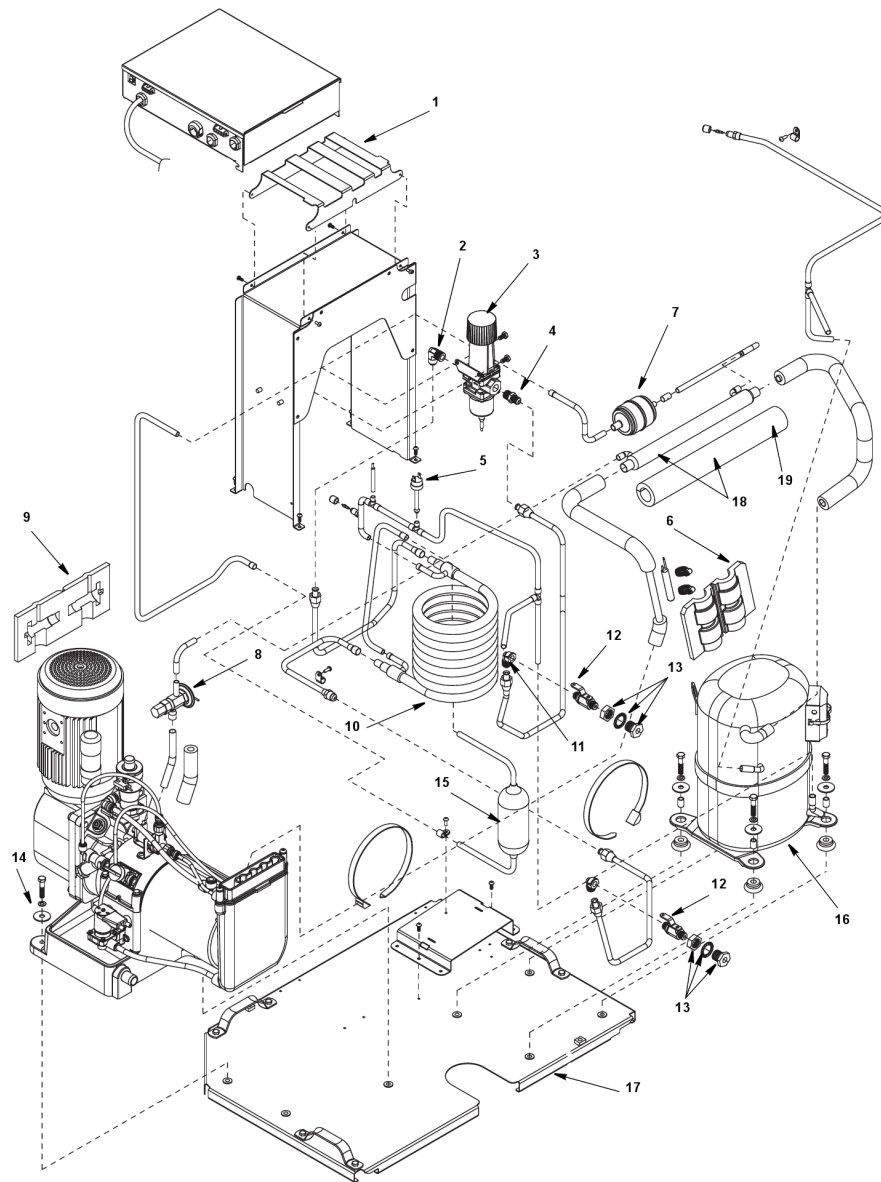
| #  | PART #    | DESCRIPTION                        | QTY | Note |
|----|-----------|------------------------------------|-----|------|
| 1  | 000007253 | Condenser                          |     | [1]  |
| 2  | 000007255 | Condenser Shroud                   |     |      |
| 3  | 000007266 | Fan Motor 230V/60 Hz/1 Ph          |     |      |
| 4  | 000007267 | Electrical Box Support             |     |      |
| 5  | 000007268 | High Pressure Cut-out              |     |      |
| 6  | 000007269 | Expansion Valve Bulb Insulation    |     |      |
| 7  | 000007271 | Drier                              |     |      |
| 8  | 000007273 | Expansion Valve                    |     | [2]  |
| 9  | 000007125 | Expansion Valve Insulation         |     |      |
| 10 | 000007275 | Hardware, Evaporator Mounting Base |     | [3]  |
| 11 | 000007283 | Compressor                         |     |      |
| 12 | 000007286 | Fan Blade                          |     |      |
| 13 | 000007288 | Heat Exchanger                     |     | [4]  |
| 14 | 000007290 | Heat Exchanger Insulation          |     |      |

### PART NOTES:

- [1] - includes 000007255
- [2] - includes 000007125 and 000007269
- [3] - set of four
- [4] - includes insulation

# RN1400

## RN1400 REFRIGERATION COMPARTMENT - WATER-COOLED



# RN1400

## RN1400 REFRIGERATION COMPARTMENT - WATER-COOLED

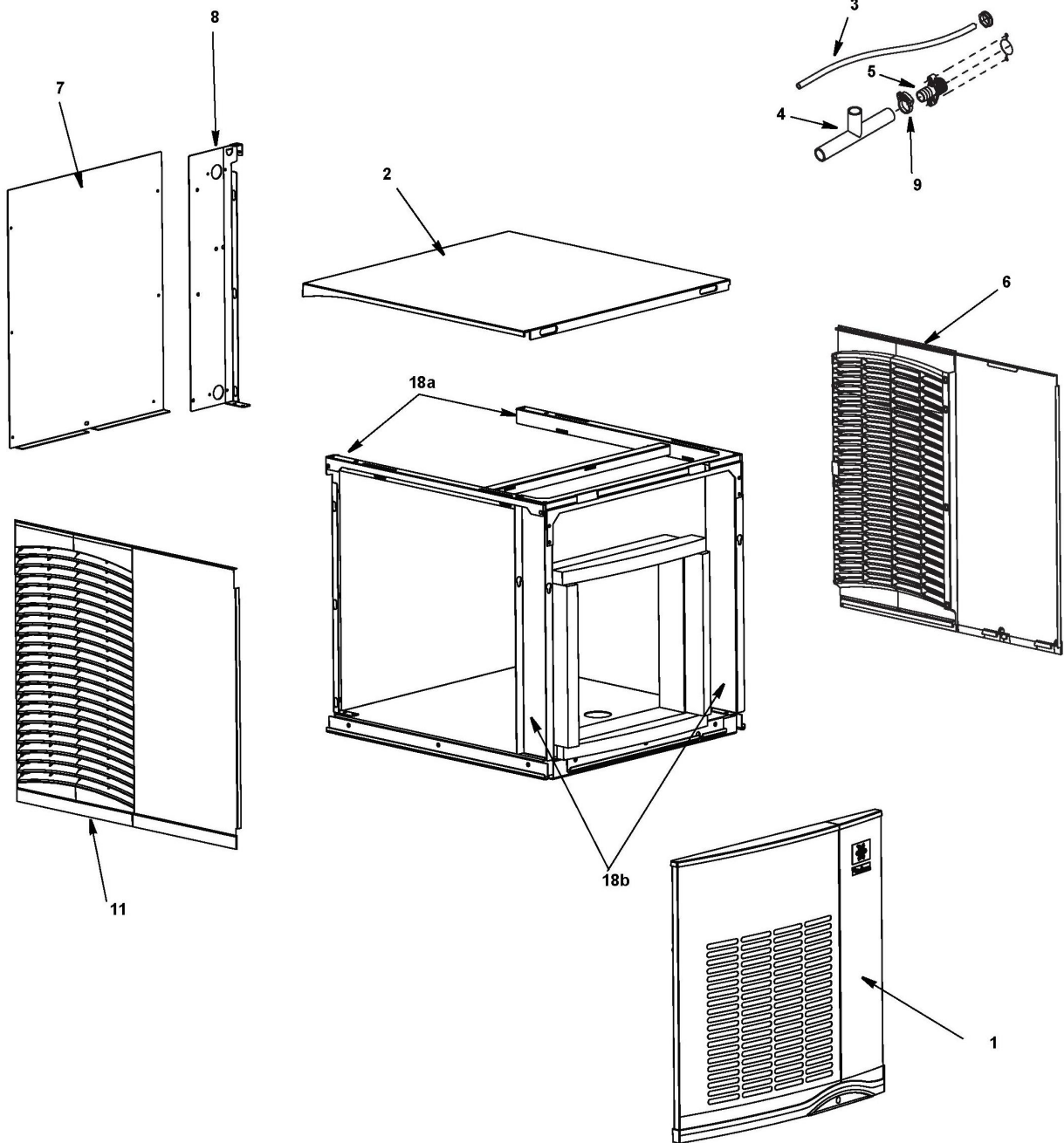
| #  | PART #    | DESCRIPTION                        | QTY | Note |
|----|-----------|------------------------------------|-----|------|
| 1  | 000007267 | Electrical Box Support             |     |      |
| 2  | 000007381 | Water Elbow                        |     |      |
| 3  | 000007382 | Water Regulating Valve             |     |      |
| 4  | 000007383 | Water Union                        |     |      |
| 5  | 000007268 | High Pressure Cut-out              |     |      |
| 6  | 000007269 | Expansion Valve Bulb Insulation    |     |      |
| 7  | 000007271 | Drier                              |     |      |
| 8  | 000007272 | Expansion Valve                    |     | [1]  |
| 9  | 000007125 | Expansion Valve Insulation         |     |      |
| 10 | 000007385 | Water-cooled Condenser             |     |      |
| 11 | 000007386 | Water Elbow - 90°                  |     |      |
| 12 | 000007387 | Water Shut-off Valve               |     |      |
| 13 | 000007388 | Coupling                           |     |      |
| 14 | 000007275 | Hardware, Evaporator Mounting Base |     |      |
| 15 | 000007390 | Receiver                           |     |      |
| 16 | 00141754  | Compressor                         |     |      |
| 17 | 000007285 | Ice Machine Base                   |     |      |
| 18 | 000007288 | Heat Exchanger                     |     | [2]  |
| 19 | 000007290 | Heat Exchanger Insulation          |     |      |

### PART NOTES:

- [1] - includes 000007125 and 000007269
- [2] - includes insulation

# RN1400

## RN1400 PANELS



# RN1400

## RN1400 PANELS

| #   | PART #    | DESCRIPTION                               | QTY | Note |
|-----|-----------|-------------------------------------------|-----|------|
| 1   | 000006795 | Front Panel                               |     |      |
| 2   | 000006751 | Top Cover                                 |     |      |
| 3   | 000007219 | Water Tubing - 0.375" OD                  |     |      |
| 4   | 000007363 | Drain Tubing                              |     |      |
| 5   | 000007364 | Drain Fitting                             |     |      |
| 6   | 6060541   | Right Side Panel                          |     |      |
| 7   | 000008372 | Back Panel                                |     |      |
| 8   | 6072361   | Back Corner Channel Right                 |     |      |
| 9   | 000007375 | Clamp - Drain Line                        |     |      |
| 10  |           | Screws                                    |     |      |
| 11  | 6060551   | Left Side Panel                           |     |      |
| 12  | 000007447 | Air Filter                                |     |      |
| 13  | 000007449 | Air Filter Retaining Rod, PVC             |     |      |
| 14  | 000007452 | Water Inlet Fitting - Female Wing Adapter |     |      |
| 15  | 000007365 | Ice Making Water Inlet Fitting, Plastic   |     |      |
| 16  | 000007451 | Drain Tube                                |     |      |
| 17  |           | Return Packaging                          |     |      |
| 17a | 000009086 | Cartoning                                 |     |      |
| 17b | 000009087 | Skid                                      |     |      |
| 18  |           | Supports                                  |     |      |
| 18a | 000009933 | Upper Support                             |     |      |
| 18b | 000009934 | Front Support                             |     |      |