Technical Data

DISCONNECT POWER CORD BEFORE SERVICING

IMPORTANT - RECONNECT ALL GROUNDING DEVICES
All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

ELECTRICAL SPECIFICATIONS
Evaporator Thermistor .......................... 18.7-69.5K Ohms
Bin Thermistor ................................. 25.9-29.8K Ohms
Water Valve Flow Rate ...................... 33 GPM
Water Pump - 29 Watts, .50 Amps 3300 RPM
Electrical Rating ............................... 115 V, 60 Hz, 5.3 Amps
Maximum Current Leakage .................... 0.50 mA
Maximum Ground Path Resistance ........ 0.14 Ohms

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Water Temp</th>
<th>70°F</th>
<th>90°F</th>
<th>110°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction Pressure</td>
<td>1-4</td>
<td>2-5</td>
<td>2-6</td>
</tr>
<tr>
<td>Head Pressure</td>
<td>65-80</td>
<td>85-100</td>
<td>85-105</td>
</tr>
<tr>
<td>Cycle Time (in min)</td>
<td>18-22</td>
<td>21-27</td>
<td>28-35</td>
</tr>
<tr>
<td>Ice Prod. Lbs. 24 hrs</td>
<td>43</td>
<td>42</td>
<td>36</td>
</tr>
<tr>
<td>Water Temp 80°F</td>
<td>70°F</td>
<td>90°F</td>
<td>110°F</td>
</tr>
<tr>
<td>Suction Pressure</td>
<td>1-4</td>
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<td>2-6</td>
</tr>
<tr>
<td>Head Pressure</td>
<td>65-80</td>
<td>85-100</td>
<td>85-105</td>
</tr>
<tr>
<td>Cycle Time (in min)</td>
<td>20-25</td>
<td>23-30</td>
<td>30-38</td>
</tr>
<tr>
<td>Ice Prod. Lbs. 24 hrs</td>
<td>40</td>
<td>38</td>
<td>34</td>
</tr>
</tbody>
</table>

IMPORTANT SAFETY NOTICE
This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

INSTALLATION
AT TOPS, SIDES, REAR .......................... 0-inch
Clearance must be provided for air circulation in the front only.

WATER SYSTEM

REFRIGERATION SYSTEM
Refrigerant Charge (R-134a) .................. 6.75 oz.
Compressor ............................. 650 BTU
Minimum Compressor Capacity
Vacuum ........................................ 20 inches
Minimum Equalized Pressure
  @ 70°F ...................................... 45 PSIG
  @ 90°F ...................................... 65 PSIG

REPLACEMENT PARTS
Ice Control Thermistor .................. WR55X10017
Bin Thermistor ....................... WR55X10018
Switch Assembly .................... WR55X10019
Transformer .......................... WR62X10015
Relay ....................................... WR07X10045
Overload ............................... WR08X10042
Condenser Fan Motor ............... WR60X10031
High Side (R-134a) ................... WR87X10061
Evaporator ............................. WR85X10035
Condenser .......................... WR84X10019
Cubelet Cutter Grid Assembly .. WR29X10016
Water Valve .......................... WR57X10027
Hot Gas Coil ...................... WR62X0098
Pump ....................................... WR57X10028
Dryer ....................................... WR86X0096
Process Tube ..................... WR86X0097
Printed Circuit Board ............ WR55X10020
**Fuse Size: 15 Amps**

**Unit Wiring Diagram:** This model operates at 115 volts except for the cutter grid circuit which operates at 8.7 volts at 1.62 amps for cubelet grid.

The compressor runs at all times except when the bin thermistor resistance changes. This de-energizes the system except for the transformer, cutter grid and electronic control.

Under normal operating conditions, when the evaporator reaches the preset temperature (+8.5°F to +4.5°F, depending on thickness of ice) the evaporator thermistor signals the electronic control, terminating operation of the fan motor and pump. The hot gas solenoid and the water valve solenoid are energized at this time. Hot gas solenoid will remain on until the evaporator reaches 52°F or until 16 minutes has passed. If the harvest cycle takes 16 minutes, the unit will go into failure mode and shut down.

**Note:** Water enters pan only during the defrost cycle. Normal defrost time consumes 60 to 120 seconds.

**Wire Color Code**

- **BU** = Blue
- **BK** = Black
- **RD** = Red
- **WH** = White
- **YL** = Yellow
- **OR** = Orange
- **BR** = Brown
- **GY** = Gray
- **PK** = Pink
- **V** = Violet
- **TN** = Tan
- **OR/BK** = Orange/Black Tracer
- **YL/RD** = Yellow/Red Tracer
- **BU/BK** = Blue/Black Tracer
- **WH/BU** = White/Blue Tracer
- **BK/YL** = Black/Yellow Tracer
- **WH/RD** = White/Red Tracer
- **GN/YL** = Green/Yellow Tracer
- **BK/WH** = Black/White Tracer
- **YL/BK** = Yellow/Black Tracer
- **RD/WH** = Red White Tracer