

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.

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.

ELECTRICAL SPECIFICATIONS

Evaporator Thermistor 18.7-69.5K Ohms
 Bin Thermistor 25.9-29.8K Ohms
 Water Valve Flow Rate33 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

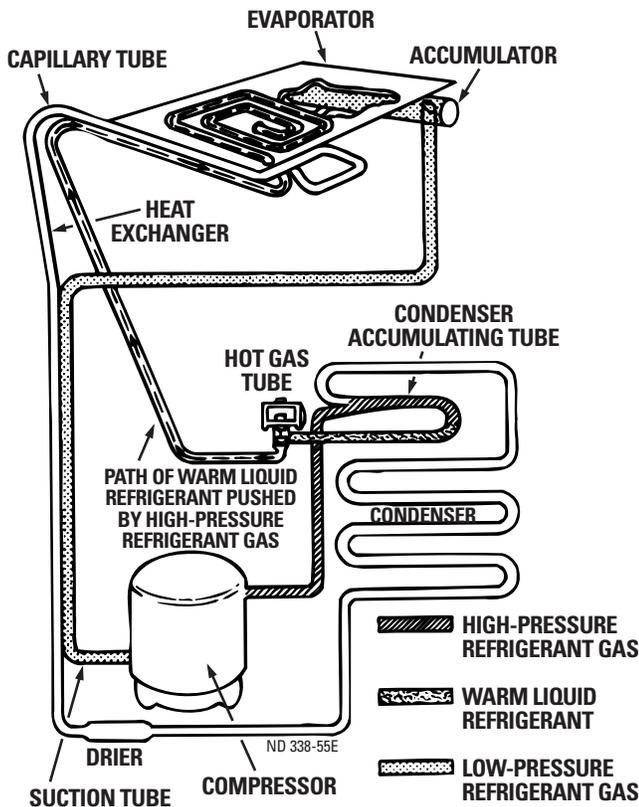
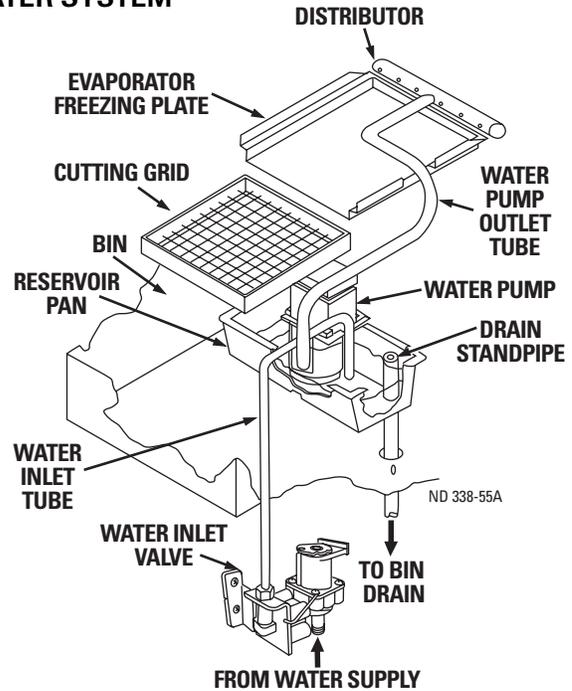
INSTALLATION

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

PERFORMANCE DATA

Water Temp 60°F	70°F	90°F	110°F
Suction Pressure	1-4	2-5	2-6
Head Pressure	65-80	85-100	85-105
Cycle Time (in min)	18-22	21-27	28-35
Ice Prod. Lbs. 24 hrs	43	42	36
Water Temp 80°F	70°F	90°F	110°F
Suction Pressure	1-4	2-5	2-6
Head Pressure	65-80	85-100	85-105
Cycle Time (in min)	20-25	23-30	30-38
Ice Prod. Lbs. 24 hrs	40	38	34

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



WARNING

ELECTRICAL SHOCK HAZARD

Disconnect electrical power before servicing

Failure to do so can result in death or electrical shock

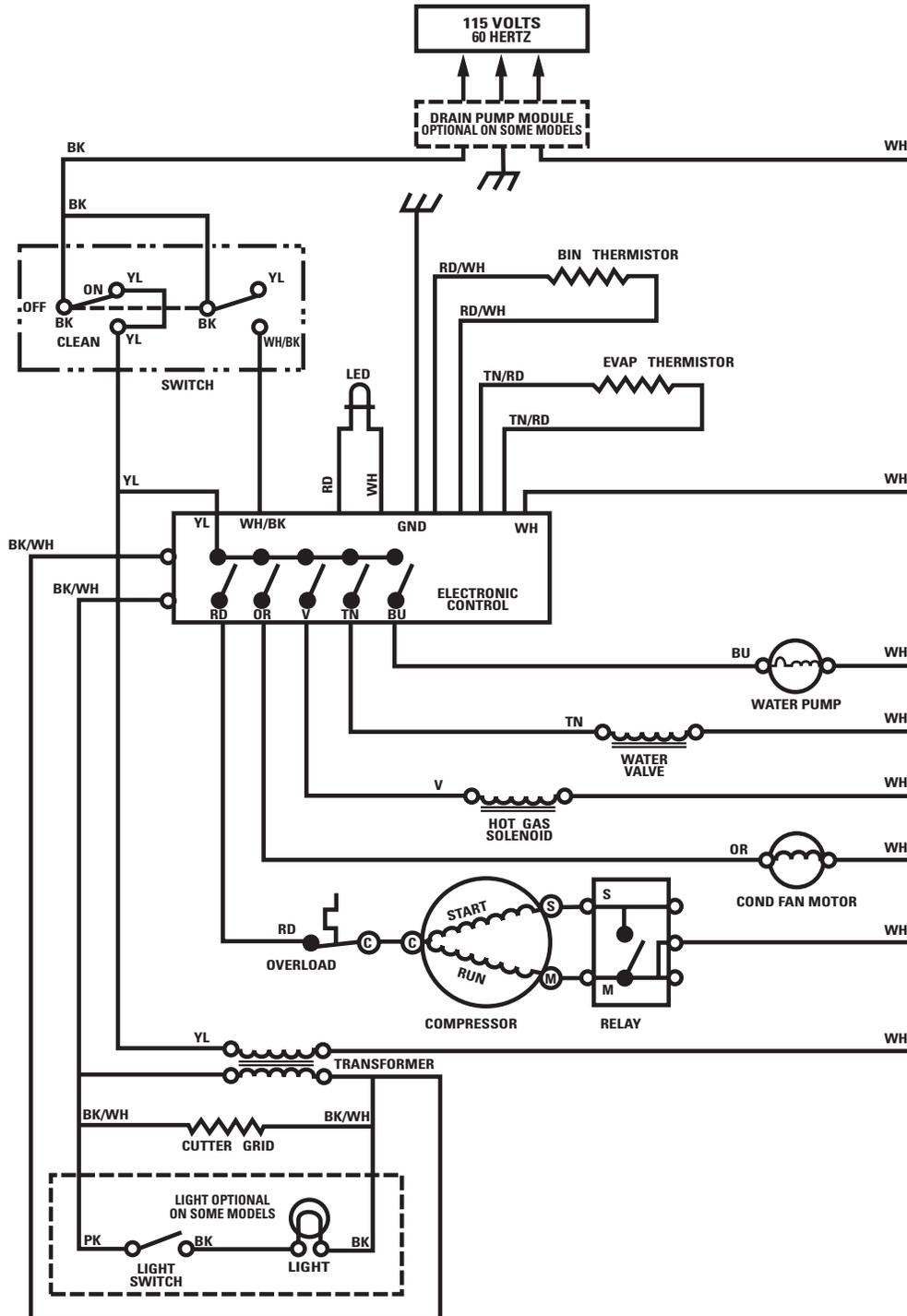
FUSE SIZE: 15 AMPS

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