

IMPORTANT SAFETY NOTE

The information provided herein is designed to assist qualified repair personnel only. Untrained persons should not attempt to make repairs due to the possibility of electrical shock. Disconnect power cord before servicing this appliance.

IMPORTANT

If any green/yellow grounding wires are removed during servicing, they must be returned to their original position and properly secured.

PERFORMANCE		
Ambient Temperature	70°F	90°F
Operating Time	100%	100%
Freezer Temperature	4 to -4°F	4 to -4°F
Low Side Pressure (cut-in)	-	-
Low Side Pressure (cut-off)	-7.02 to -3.94 PSIG	-6.63 to -4.65 PSIG
High Side Pressure	35 to 37 PSIG	51 to 56 PSIG
Wattage	32W	46.6W
Amps	0.4	0.61
Base Voltage	115V	115V
Refrigerant Charge	50g	50g

SERVICE DATA SHEET

A14365701 **AUTOMATIC DEFROST UPRIGHT** FREEZER - R600a

DEFROST CONTROL

The defrost period will vary dependent on the heater on time, with a maximum of 60 minutes. There is a 7 minute idle (drip time) time after the heater turns off before the evaporator fan and compressor will turn on. During the defrosting period a temperature sensor monitors the evaporator temperature and the main control board turns the defrost heater off after the frost on the evaporator has melted.

IMPORTANT: PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

Specifications subject to change without notice. For complete performance data by model, refer to service manual. Options shown are not necessarily part of the model.

SERVICE MODE DIAGNOSTIC TESTS

Allows technicians to step through available tests to diagnose individual electrical circuits.

NOTE: There is a magnetic switch located in the bottom front of the cabinet (beside the green power on indicator light) and a permanent magnet is located in a holder in the bottom of the door that work together to sense when the door is opened and closed.

To Enter Service Mode:

- Open the door.
- Using a permanent magnet, activate the magnetic switch 4 times within 2 seconds, holding the forth activation against the magnetic switch until a long beep is heard and the interior AC LED Light bulb turns on.
- Move the magnet away from the magnetic switch. The internal light will turn off indicating the unit is in service mode.

NOTE: When service mode is entered, the green power on indicator light will remain on.

- Using the permanent magnet, activate the magnetic switch 2 times to terminate the current test and activate the next test. Two beeps will sound confirming the service mode has advanced to the next test.
 - Test 1: Compressor and condenser fan: The compressor and condenser fan turns ON as soon as service mode is activated.
 - Test 2: Defrost heater

NOTE: The defrost heater has a thermal fuse on each side of the heater element. During the defrost heater test the main board monitors the evaporator temperature and will automatically turn off the defrost heater, if the evaporator temperature exceeds a specified value to ensure the thermal fuses are not permanently open circuited as they are designed to operate.

• Test 3: AC LED bulb CAUTION: DO NOT REPLACE THE AC LED BULB WITH ANY BULB GREATER THAN 5 WATTS.

• Test 4: Evaporator Fan

To manually exit service mode:

- Using a permanent magnet, activate the magnetic switch 4 times in 2 seconds, holding the forth activation against the magnetic switch until a long beep is heard and the interior AC LED Light bulb turns on. The unit will restart in normal operating mode.
- Unplug the unit from power and plug it back in to power. The unit will restart in normal operating mode.
- The unit will automatically exit service mode if no magnetic switch activation is detected after 10 minutes. The unit will restart in normal operating mode.

To activate manual defrost:

- Using a permanent magnet, activate the magnetic switch 5 times in 2 seconds, holding the fifth activation against the magnetic switch until five short beeps are heard.
- The unit can enter in manual defrost only during normal operating mode.
- The unit will not enter in manual defrost if already in defrost mode.
- . The unit will not enter manual defrost if the temperature control knob is in the OFF position.
- The defrost heater has a thermal fuse on each side of the heater element. During manual defrost, the main board monitors the evaporator temperature and will automatically turn off the defrost heater if the evaporator temperature exceeds a specified value to ensure the thermal fuses are not permanently open circuited as they are designed to operate.

