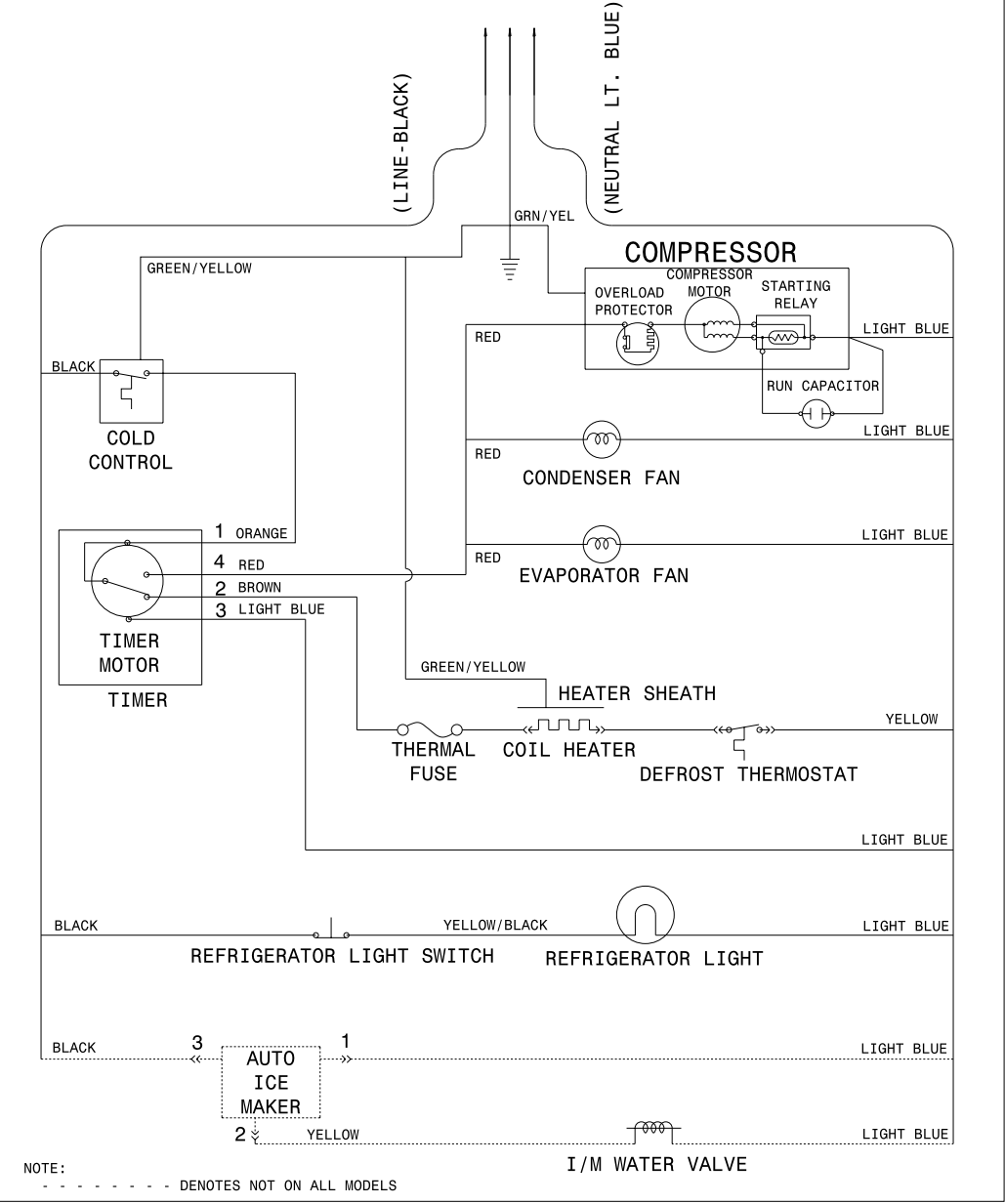


LADDER SCHEMATIC-TOP MOUNTS WITH MECHANICAL COLD CONTROL AND OPTIONAL ICE MAKER



ICE MAKER INFORMATION

Turn the IM ON and OFF: Press and hold **POWER** for ½ second to turn the IM ON and OFF. When the IM is ON, **POWER** illuminates solid green.

Test Cycling: Press and release **TEST/SERVICE** to start the self-diagnostic function. The tray performs two rotations. You must hold the ice level arm so it does not drop during the first rotation (simulating full ice bin). Once the tray returns to the Home position, the arm can be released. Allow the arm to drop normally during the second rotation (simulating empty ice bin). Once the tray returns Home after the second rotation, **POWER** changes back to solid green if no errors were detected during the test. This means the IM operates properly. If errors are detected at any time during the test, the test stops immediately and **POWER** blinks rapidly, continuously. In this case, there is some internal failure of the IM. **NOTE: If the arm is not held during the first rotation, the IM indicates a failure falsely.** To run the test again to verify, you must turn the IM OFF and then back ON.

Manual Water Fill: Press and hold **TEST/SERVICE** for 3+ seconds.

Adjust Water Fill Size: Press and hold **POWER** and **TEST/SERVICE** together for 3 seconds. **POWER** blinks to show the current setting. 1 blink = small, 2 blinks = med, 3 blinks = large, 4 blinks = extra large. Press **TEST/SERVICE** to advance to the next level. When at extra large, the next press goes back to small. The factory default is small.

SERVICE DATA SHEET

A27819802

STANDARD - AUTOMATIC DEFROST
TOP MOUNT FREEZER - R600a

IMPORTANT: PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

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 grounding wires are removed during servicing, they must be returned to their original position and properly secured.

CAUTION

Shield all electrical parts and wiring from torch flame. DO NOT allow torch to touch insulation; it chars at 200°F and flash ignites (burns) at 500°F. Excessive heat distorts the plastic liner.

PERFORMANCE DATA NO LOAD & NO DOOR OPENINGS AT MID-POINT CONTROL SETTING

	CD 18'		SD 20'	
Type A With Run / Start Capacitor	70°F	90°F	70°F	90°F
Operating Time	24 to 30%	40 to 45%	26 to 32%	43 to 49%
Fresh Food Temperature	33°F to 39°F	35°F to 41°F	33°F to 39°F	
Freezer Temperature	4°F to -4°F	2°F to -6°F	2°F to -6°F	0°F to -8°F
Low Side Pressure (cut-in)	0.22 to 1.37 psig	-0.27 to 1.04 psig	0.22 to 1.37 psig	-0.27 to 1.04 psig
Low Side Pressure (cut-out)	-6.21 to -7.39 psig	-6.53 to -7.62 psig	-6.21 to -7.39 psig	-6.53 to -7.62 psig
High Side Pressure (last ⅓ cycle)	44 to 48 psig	64 to 68 psig	44 to 48 psig	64 to 68 psig
Wattage (last ⅓ cycle)	73 to 76 W	76 to 80 W	73 to 76 W	76 to 80 W
Amps (running)	0.63 to 0.83 A	0.65 to 0.85 A	0.63 to 0.83 A	0.65 to 0.85 A
Base Voltage	115V			
Refrigerant Charge	40 g			

DEFROST SPECIFICATIONS

Cabinet Size: CD 18' SD 20'	Thermal Fuse	Heater		Defrost Thermostat	
	Cut-out	Watts	Ohms	Open	Closed
	161.6°F (72°C)	178	79.7	50°F (10°C) +/- 3	28.4°F (-2°C) +/- 3

ICE MAKER SPECIFICATIONS

Electrical	115 vac (127 vac max)	60 Hertz
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ICE MAKER CONNECTOR PLUG CONNECTIONS

Wire Number	Wire Color	Connects to:
1	Light Blue	Neutral
2	Yellow	Water Valve
3	Black	Line

INLINE CONNECTOR ABBREVIATION KEY	
ABBREVIATION	EXPLANATION
MC1	4 PIN CONNECTION ABOVE COMPRESSOR IN MACHINE COMPARTMENT
MC2	2 PIN CONNECTOR ABOVE COMPRESSOR (FACTORY USE ONLY)
FF1	6 PIN CONNECTION IN CONTROL BOX
CC	4 TERMINAL CONNECTIONS TO COMPRESSOR
CFC	2 PIN CONNECTION TO CONDENSER FAN
WVC	2 PIN CONNECTION TO ICE MAKER WATER VALVE
IMC	3 PIN ICE MAKER CONNECTION IN FREEZER
EFC	2 PIN EVAPORATOR FAN CONNECTION IN FREEZER
DH1	4 PIN DEFROST HEATER CONNECTION IN FREEZER BEHIND COIL COVER

