

PERFORMANCE DATA NO LOAD & NO DOOR OPENINGS AT 37°/0° CONTROL SETTING		
Type A with Run/Start Capacitor	65°F (18°C) Ambient	90°F (32°C) Ambient
Operating Time	90 to 100%	100%
Freezer Temperature	-5° to 2°F (-20° to -17°C)	-1° to 3°F (-18° to -16°C)
Refrigerator Temperature	34° to 39°F (1° to 4°C)	34° to 39°F (1° to 4°C)
Low Side Pressure	-2 to 6 psig (-14 to 41 kPa)	-2 to 6 psig (-14 to 41 kPa)
High Side Pressure (last 1/3 cycle)	85 to 105 psig (586 to 724 kPa)	120 to 135 psig (827 to 931 kPa)
Wattage (last 1/3 cycle)	30 to 50	50 to 70
Amps (running)	.4 to .8	.7 to .9
Base Voltage	115 vac (127 vac max)	

DEFROST SPECIFICATIONS				
Cabinet Size	Thermostat		Heater	
	Cut-in	Cut-out	Watts	Ohms
26' & 28' SD, 23' CD	25°F (-4°C)	47°F (8°C)	500	26.5

Electronic Timer - (ADC) Defrost 24 minutes every 6-96 hours of compressor run time.

CONDENSER FAN MOTOR		
Watts	RPM	Amps
3.1	1100 CW Opposite Shaft	0.03 Running

FREEZER ICE MAKER SPECIFICATIONS	
Electrical	115 vac (127 vac max)
Thermostat	Opens at 48°F (9°C), Closes at 15° F (-9°C)
Heater Voltage	85 vac

FREEZER ICE MAKER CONNECTOR PLUG CONNECTIONS		
Wire Number	Wire Color	Connects to:
1	Green / Yellow	Ground
2	Yellow / Blue	Water Valve
3	Black / Orange	Line
4	Light Blue	Neutral

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.

NOTE
 This product comes equipped with an Adaptive Defrost Control (ADC). To activate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A "d" in the freezer temperature window and "F" in the refrigerator temperature window will display when the heater is activated. To deactivate manual defrost, simultaneously press and hold the Fresh Food up (+) and Fresh Food down (-) keys for 5 seconds. A "d" and "F" will be displayed until the defrost cycle is complete.

CAUTION
 All electrical parts and wiring must be shielded from torch flame. DO NOT allow torch to touch insulation; it will char at 200°F and flash ignite (burn) at 500°F. Excessive heat will distort the plastic liner.

SERVICE DATA SHEET

242173200

ICE & WATER - AUTOMATIC DEFROST BOTTOM FREEZER - R134a

Fresh Food Ice Maker Errors Displayed on "UI" in Diagnostic Mode		
5H		Tray Thermistor Open
5H		Tray Thermistor Short
Test 58C		Display Shows "Er"

System Error Codes Displayed on "UI"		
ERROR		
OP or 2		Freezer Sensor OPEN
SH or 3		Freezer Sensor SHORTED
OP or 2		FF Sensor OPEN
SH or 3		FF Sensor SHORTED
SY	EF	Evaporator Fan Circuit
SY	CE	Communication error
SY	CF	Communication error

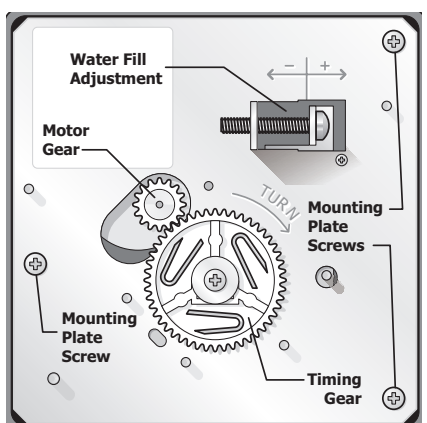
To initiate manual defrost press and hold, for 5 sec. FF(+) and FF(-), (d) and (f) will be displayed.

	dF	In Manual Defrost (See Note)
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FREEZER ICE MAKER INFORMATION (Where Applicable)

Test Cycling: Remove cover by inserting screwdriver in notch at bottom and prying cover from housing. Use screwdriver to rotate motor gear counterclockwise until holding switch circuit is completed. All components of ice maker should function to complete the cycle.

Water Fill Volume: The water fill adjustment screw will change the fill time. One full turn is equal to 20cc (.68 oz.). The correct fill is 102 to 130cc (3.4 to 4.3 oz.). When a water valve is replaced, the fill volume must be checked.



IMPORTANT

PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

	Diagnostic Mode	Note:	See Service Manual for complete description
Test	Activate: FZ (+) and FF (+) for 5 sec.		
52C	Tray Temperature		
55C	Water Valve Test		
57C	Fan Test		
58C	Ice Level Sensor Test		
63C	Harvest Motor System Test		
	Deactivate: Hold FF (+) for 5 sec.		

	Diagnostic Mode	Note:	See Service Manual for complete description
Test	Activate: FZ (+) and FZ (-) for 5 sec.		
1	Standard compressor	22	Damper
2	Defrost heater	23	Fresh food door
3	FF lighting	24	Freezer door
8	Water valve, water disp.	26	Defrost limit switch
9	FZ lighting	28	Dispenser paddle
10	Auger motor	36	Ice door
11	Cube/crush solenoid	29	FF Thermistor
41	Perfect Temp Drawer	30	FZ Thermistor
12	VCC Condensor fan	33	Ambient Thermistor
38	VCC Compressor	0-	Software version
15	Evaporator fan		
	De-activate: Hold FF (+) for 5 sec.		

