DEDEC	DMANGE DA		0 NO DOOD	OPEN	TNCC	AT 270 (00		
PERFORMANCE DATA NO LOAD & NO DOOR OPENINGS AT 37°/0° CONTROL SETTING								
Type A with Run	/ Start Capacitor	65°F (18°C	90°F (32°C) Ambient					
Operating Time		70 to	90 to 100%					
Freezer Tempera	ature	-6° to (-21° to	-6° to 6°F (-21° to -14°C)					
Refrigerator Ten	nperature	34° to (1° to	34° to 44°F (1° to 7°C)					
VCZ Temperatur	re	-6° to -21° t	-6° to 45°F -21° to 7°C					
Low Side Pressu	ire	-1 to 3 (98 to 1	.8 to 3 psig (107 to 120 kPa)					
High Side Pressi (last 1/3 cycle)	ure	69 to 8 (577 to 6	117 to 128 psig (907 to 982 kPa)					
Wattage (last 1/	(3 cycle)	45 to	54 to 74					
Amps (running)		.7 to	.8 to 1.1					
Base Voltage		115 vac (127 vac max)						
		DEFROST SP	ECIFICATION	ONS				
		Thermal Cutout		Heater		Defrost Thermistor Termination		
		Cut-	Watts	Ohms	Cut-out			
Cabinet Size: 22' CD	Freezer	162°F (258 +/- 5	51.3 +/- 5	48°F (8°C)			
	Fresh Food				38°F (3°C)			
	Fresh Food Ice Maker	162°F (70 +/- 5	189 +/- 5	61°F (16°C)			
Electronic Timer	- (ADC) Defrost 3	4 minutes every	12-96 hours of c	ompresso	r run tim	e.		
		CONDENSE	R FAN MOT	OR				
W	atts	RP	Amps					
.75 1.25		1100 ± 100 40 L/S		.104 A Max (@12V DC/20°C)				
Nominal Input Power (W) @ Max Input 80% Duty Power (W)		Speed (R/ Min) *@80% Free Air Duty @ 100% (0 Pa)						

	ERF	ROR CODES	SPECIAL MODES						
Dis	play	Tutouustation	Mode	Display			Activate	Deactivate	
FZ	FF	Interpretation	моде	FZ	FF	Other			
Er	t1	Fzr Temp Sensor Open/Shorted	Manual Defrost	d	F		Fz + (^) and FF + (^) for 10 secs	Any Key	
Er	t2	Fzr Defrost Sensor Open/Shorted	Demo / Showroom			Demo Light On	Fz + (^) and FF - (v) for 10 secs	Fz + (^) and FF - (v) for 10 secs	
Er	t3	FF Temp Sensor Open/Shorted	Sabbath	Sb	Sb		Fz - (v) and FF + (^) for 5 secs	Fz - (v) and FF + (^) for 5 secs	
Er	t4	FF Defrost Sensor Open/Shorted	System Diagnostics			All LEDs Lit	Fz + (^) and Fz- (v) for 10 secs	Fz + (^) and Fz- (v) for 10 secs	
Er	t5	VCZ Temp Sensor Open/Shorted	°F/°C Display			°F or °C	FF + (^) and FF - (v) for 5 secs	FF + (^) and FF - (v) for 5 secs	
Er	t6	Ice Maker Tray Sen- sor Open/Shorted	Sleep Mode		Display always on	"Crush" and "Light" keys for 5 secs	"Crush" and "Light" keys for 5 secs		
Er	CE	Communication Error UI to Main Board	Notes: Always check for pin back-outs, pinched or damaged wires before replacing components. Determine whether failure is caused by the com-						
dl	SP	Chute Flapper Not Closed	ponent, main control board or wiring. Contact TID before replacing main control board. Refer to Service Manual for additional information.						

FRESH FOOD ICE MAKER FILL TIME ADJUSTMENT MODE						
NOTE: First co	NOTE: First consider water filter condition before adjusting fill time.					
Activate:	Activate: Press Cube and Crush keys for 10 secs. Press FZ + (^) or - (v) key to adjust (1-4).					
Deactivate:	eactivate: Resets to Normal Operation after 10 secs					
Setting #	Pressure Condition	Fill Time				
1	Normal-High	3.9 seconds				
2	Low	4.6 seconds				
3	Very Low	5.8 seconds				
4	Extremely Low	7.5 seconds				

SERVICE DATA SHEET

A15500203

ICE & WATER - AUTOMATIC DEFROST BOTTOM FREEZER - R134a

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.

IMPORTANT: PLEASE RETURN THIS SHEET TO ITS ORIGINAL LOCATION.

	SYSTEM DIAGNOSTIC MODE									
Activate:										
	eactivate: Press FZ + (^) and FZ- (v) for 10 secs									
F7 Activation/										
Display	Test	Deactivation	FF Display	Passing result						
	First Screen			All LEDs on UI illuminated.						
	Second Screen Freezer		on, oF,	Blank UI display, no LEDs illuminated. Freezer Defrost Sensor Temp displayed in FF display. Increase in temp should be noticed.						
2	Defrost Heater	Press Cube button	Temperature	Treeze Denost Densy Temp displayer in the display. The ease in emp should be noticed.						
8	Main Water Valve	Press Cube button	on, oF	"on" when on and "oF" when off. ***Valve will not shut off automatically. Test has to be turned off with Cube button.						
11	Cube/Crush Solenoid	Press Cube button	on, oF	FF display shows "on" when on and "oF" when off. Cube solenoid will activate. Do not leave on for more than 1 minute.						
	Dispenser		 	on" when on and "oF" when off. ***Valve will not shut off automatically. Test has to be turned off with Cube button.						
53	Water Valve	Press Cube button	on, oF	in when on and or when on. ··· valve will not shut on automatically. Test has to be turned on with Cube button.						
56	Ice Maker	Press Cube button	on, oF	on" when on and "oF" when off. ***Valve will not shut off automatically. Test has to be turned off with Cube button.						
	Water Valve Fresh Food		on, oF,	rech Food Defrost Sansor Term displayed in FF display Torreace in term should be noticed						
71	Defrost Heater	Press Cube button	Temperature	resh Food Defrost Sensor Temp displayed in FF display. Increase in temp should be noticed.						
72	Fresh Food IM	Press Cube button	on, oF,	Fresh Food IM Defrost Sensor Temp displayed in FF display. Increase in temp should be noticed.						
74	Defrost Heater VCZ Balance Heater	Press Cube button	Temperature on, oF	"on" when on and "oF" when off. Maximum run time of 5 minutes for this test.						
79	Fill Tube Heater	Press Cube button	on, oF	"on" when on and "oF" when off. Maximum run time of 5 minutes for this test.						
10	Auger Motor	Press Cube button	on, oF	"on" when on and "oF" when off.						
13	Fresh Food Light	Press Cube button	on, oF	"on" when on and "oF" when off. Open Door to check status of light.						
14	VCZ Light	Press Cube button	on, oF	"on" when on and "oF" when off. Open Door to check status of light.						
15	Freezer	Press Cube button	on, Mi, oF	Fan runs at 3 speeds: Max speed when "on", medium speed when "Mi", and stopped when "oF".						
17	Evaporator Fan VCZ Fan	Press Cube button		Fan runs at 3 speeds: Max speed when "on", medium speed when "Mi", and stopped when "oF".						
18	Condenser Fan	Press Cube button		Fan runs at 3 speeds: Max speed when "on", medium speed when "on", and stopped when "or".						
20	Freezer Light	Press Cube button	on, oF	"on" when on and "of" when off. Open Door to check status of light.						
38	VCC Compressor	Press Cube button	on, oF	"on" at full speed when on and "oF" when off.						
47	Ice Chute Heater	Press Cube button	on, oF	"on" when on and "of" when off.						
62	Ice Maker Evap Fan	Press Cube button	on, oF	"on" when on and "oF" when off.						
63	Flip Mullion Heater (DC)	Press Cube button	on, oF	"on" when on and "oF" when off.						
66	Dispenser Light	Press Cube button	on, oF	"on" when on and "oF" when off.						
70	Fresh Food Evap Fan	Press Cube button	on, Mi, oF	Fan runs at 3 speeds: Max speed when "on", medium speed when "Mi", and stopped when "oF".						
76	VCZ Damper Heater	Press Cube button	on, oF	"on" when on and "oF" when off.						
77	VCZ Damper	Press Cube button	OP, CL, Flashing "1"	When activated, the freezer evaporator fan will run at high speed. "OP" when damper is open. "CL" when damper is closed. "1" will flash when damper is moving.						
26	Ice Chute	D C. b b U	OP, CL,	"OP" when chute door is open. "CL" when chute door is closed. "1" will flash when chute door is moving. "ER" will display if the door does not open or close.						
36	Flapper Motor	Press Cube button	Flashing "1"	of which drate door is open. C.E. which chate door is alosed. I will hash which chate door is moving. Etc. will display if the door does not open or close.						
50	Ice Maker Harvest Test	Press Cube button	"Go", Flashing "1"	Remove bucket to see rotation of tray. "Go" will be shown in the FF display when the tray is in the horizontal (home) position. A Flashing "1" will be displayed when the tray is moving. If an error is detected "ER" will be displayed.						
70	Ice Maker Bail		"Em", Fu",	Remove bucket to test. Allow bail arm to drop, "Em" will be displayed when tray returns to horizontal (home) position. Hold bail arm up/keep from dropping. "Fu" will be displayed when tray returns to horizontal (home) position. A Flashing "1" will be displayed when						
78	Arm Test	Press Cube button		the tray is moving. "Er" will be displayed if an error is detected.						
			"03", "00", "01",	FF display will show the temperature of the corresponding evaporator defrost sensor. A drop in temperature should be noted. "03" is the OP postion. All evaporators should have refrigerant flow and the FF defrost sensor temp will be displayed. "00" is the CL position. The IM defrost sensor temperature will be shown in the FF display. A drop in						
61	Stepper Motor Valve	Press Cube button	"02", Flashing	the CL position. The land derivous sensor temperature will be shown in the FT display, temperature should be noted. "Of is the FF/IMPC evaporator position. The Lind derivous sensor temperature will be shown in the FT display and rop in temperature should be noted. "Of is the FF/IMPC evaporator position. The FF defrost sensor will be shown in the FF display while the valve is moving from position.						
			"1", Temperature	position.						
23	Fresh Food Door Switch	Open/Close the Door	"CL", "OP"	When the FF door is opened, an "OP" will be shown in the FF display. When the FF door is closed, a "CL" will be showin in the FF display.						
24	Freezer Drawer Switch	Onen/Close the Door	"CL", "OP"	When the FF door is opened, an "OP" will be shown in the FF display. When the FF door is closed, a "CL" will be showin in the FF display.						
25	VCZ Drawer Switch			When the FF door is opened, an "OP" will be shown in the FF display. When the FF door is closed, a "CL" will be shown in the FF display.						
28		Press the	· ·	When the paddle is pressed, "on" will be displayed in the FF display. When the paddle is released, or not pressed, "oF" will be displayed in the FF display.						
28	Dispenser Paddle	Dispenser Paddle	on, or							
29	Fresh Food Sensor		current tempera- ture, "OP", "SH"	No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
20	F 6			No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
30	Freezer Sensor		ture, "OP", "SH"	The state of the s						
31	Fresh Food			No activation needed. Fresh food display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
	Defrost Sensor		ture, "OP", "SH"	No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
32	VCZ Sensor		ture, "OP", "SH"	The activation records. It display will show current sensor temperature. Or will show if the sensor is open. On will show if the sensor is shorted.						
33	Ambient		current tempera-	No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
JJ	Temp Sensor		ture, "OP", "SH"	No. of the state o						
39	Freezer Defrost Sensor		current tempera- ture, "OP", "SH"	No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.						
45	Ice Maker	current tempera- No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.								
45	Tray Sensor		ture, "OP", "SH"							
68	Ice Maker	current tempera- No activation needed. FF display will show current sensor temperature. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted.								
	Defrost Sensor		ture, "OP", "SH"	No activation needed. FF display will show current relative humidity as a nercentage. "OP" will show if the sensor is onen. "SH" will show if the sensor is shorted.						
64	Humidity Sensor		current humidity, No activation needed. FF display will show current relative humidity as a percentage. "OP" will show if the sensor is open. "SH" will show if the sensor is shorted. "OP", "SH"							
	No Test									
a-	Main Board		software revi-							
	Software Paramters		sion digits							
b-	Main Board Firmware Version		firmware revi- sion digits	The current firmware revision will be shown simultaneously on both displays. For example: JHB10G00 will be shown as J-J, H-H, B-B, 1-1, 0-0, G-G, 0-0, 0-0 (FZ-FF).						
	Dispenser UI		firmware revi-	The current firmware revision will be shown simultaneously on both displays. For example: LHFE0700 will be shown as L-L, H-H, F-F, E-E, 0-0, 7-7, 0-0, 0-0 (FZ-FF).						
C-	Firmware Version		sion digits							
d-	VCZ UI		firmware revi-	The current firmware revision will be shown simultaneously on both displays. For example: MHFE0600 will be shown as M-M, H-H, F-F, E-E, 0-0, 6-6, 0-0, 0-0 (FZ-FF).						
	Firmware Version		sion digits							

