SECTION 7

TECHNICAL DATA

Technical Data	
Minimum - Maximum Water Pressure	20 - 80 psi (1.4 - 5.5 bar)
Minimum - Maximum Water Temperature	35 - 90°F (1.6 - 32.2°C)
Liquid Line Thermistor Resistance (Ohms) at 32°F (0°C) / 77°F (25°C)	30K-33K / 8K-12K
Bin Thermostat Cut In / Cut Out	40°F(4.5°C) / 34°F(1.0°C)
Total Unit Amperage	4.1
Refrigerant Charge *(134a)*	5.6 oz. (1.5 kg)

Cycle Times

Freeze Time + Harvest Time = Cycle Time

AIR TEMP. ENTERING CONDENSER °F/°C	FREEZE TIME WATER TEMPERATURE °F/°C			HARVEST TIME
	50/10.0	70/21.1	90/32.2	
70/21.1	15.6-17.8	15.3-17.4	15.6-17.8	1.0-3.5
80/26.7	16.6-18.9	17.0-19.4	17.4-19.8	
90/32.2	17.4-19.8	19.1-21.7	18.2-20.7	
100/37.8	19.2-22.1	19.8-22.7	22.4-25.4	
110/43.3	24.9-28.2	25.7-29.1	31.4-35.5	

Times in minutes

24 Hour Ice Production

AIR TEMP. ENTERING CONDENSER °F/°C	WATER TEMPERATURE °F/°C		
	50/10.0	70/21.1	90/32.2
70/21.1	53	54	53
80/26.7	50	49	48
90/32.2	48	44	46
100/37.8	40	39	38
110/43.3	35	34	28

Based on the average weight of 1 harvest cycle 0.63 – 0.71 lb.
Nominal Individual Cube Weight 0.70 ounces
Cubes Per Harvest Cycle 16

Operating Pressures

AIR TEMP. ENTERING CONDENSER °F/°C	FREEZE CYCLE		HARVEST CYCLE	
	DISCHARGE PRESSURE PSIG	SUCTION PRESSURE PSIG	DISCHARGE PRESSURE PSIG	SUCTION PRESSURE PSIG
50/10.0	125-70	18-0	50-75	20-55
70/21.1	135-95	18-0	65-85	35-60
80/26.7	165-115	19-2	75-100	40-70
90/32.2	195-135	20-3	85-120	40-70
100/37.8	235-165	24-5	100-135	50-80
110/43.3	255-185	28-7	110-155	50-90

Suction pressure drops gradually throughout the freeze cycle