



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB98-0014

December 21, 1998

Page 1 of 3

Subject: TECHNICAL INFORMATION FOR F-1000M SERIES FLAKER.

The following technical information applies to the F-1000M_F series.

Unit Size – 25 1/4” high x 27 3/8” x deep x 22” wide

Drain System - Solenoid drain valve operates by timer for periodic flush and manual switch for service.

Voltage Requirements – MAF / MWF / MRF

208 / 230 / 60 / 1 (3 wire with neutral for 115 V)

MLF 115 / 60 / 1

Maximum Circuit Amps - 15A (Recommend separate circuit)

Amperage - Compressor - 4.2A Note: **MLF** Gear motor - 1.6A

Gear motor - 1.6A Other - 0.13A

Fan motor - 0.85A

Other - 0.03A

Gear Motor Protection - Manual reset circuit breaker or Fuse 1.5A and secondary auto reset thermal overload in motor windings.

Refrigerant Type - **R-404A**

Refrigerant Charge - **MAF** 1 lb. 12 oz. (800g.)

MWF 15 oz. (425g.)

MRF Unit - 2 lb. 3 oz. Condenser – 1 lb. 14 oz.

Total - 4 lb. 1 oz. (1850g.)

MLF Holding charge 3.6 oz. (100g.)

SB98-0014

December 21, 1998

Page 2 of 3

Compressor Data - Copeland RS70-CIE-PFV Capacity (BTU) 6980

(Note: see rack for MLF) RLA – 7A LRA – 34.2A

(Resistance @ 25°C) SWR- 4.548 ~ 5,232 ohms RWR- 1.283 ~ 2.097 ohms

Oil Charge - 24 fl. oz. (710cc)

Oil Type - Mobil EAL Arctic 22CC (POE)

Performance Data F-1000M_F:

Ambient Temp (F°)		70			80			90			100		
	Water Temp.	Air	Water	Remote	Air	Water	Remote	Air	Water	Remote	Air	Water	Remote
Production 24 hours	50	970	890	930	855	820	835	755	770	750	665	720	675
	70	930	855	895	820	805	895	755	755	745	635	705	650
	90	890	840	865	785	785	780	695	735	700	595	655	605
Evaporator outlet	50	19	23	23	19	23	25	23	23	26	25	23	28
	70	19	23	24	23	23	26	23	23	27	25	23	28
	90	19	25	25	23	25	26	25	25	28	25	25	28
Pressure High Side	50	213	263	221	244	263	239	274	263	256	315	263	295
	70	213	266	221	244	266	239	274	266	256	315	266	295
	90	213	269	221	244	269	239	274	269	256	315	269	295
Pressure Low Side	50	32	33	33	35	33	35	38	33	36	41	33	39
	70	32	34	33	35	34	35	38	34	36	41	34	39
	90	32	35	33	35	35	35	38	35	36	41	35	39

Performance Data F-1000MLF:

Note: Final performance will depend on actual condenser application.

Ambient Temp (F°)		70	80	90	100
	Water Temp.	Rack system	Rack system	Rack system	Rack system
Production 24 hours	50	1150	980	900	830
	70	1035	950	885	805
	90	1005	925	850	690
Evaporator outlet	50	21	21	21	23
	70	21	21	21	23
	90	21	21	23	23
Pressure High Side		Condenser pressures will vary depending on rack system application.			
Pressure Low Side	50	26	30	33	35
	70	26	30	33	35
	90	26	30	33	35

