



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB99-0003

May 10, 1999

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Subject: TECHNICAL INFORMATION FOR F-450MAF & -C FLAKER

The following technical information applies to the new F-450MAF series.

Unit Size – 21-7/8" wide x 27-3/8" x deep x 21-61/64" high

Drain System - Solenoid drain valve operates by 12 hour mechanical timer for periodic flush and manual switch for service.

Voltage Requirements - 115 / 60 / 1

Maximum Circuit Amps – 20A (Recommend separate circuit)

Amperage - Compressor 8.5 RLA
Gear motor 1.6 FLA
Fan motor 0.85 FLA
Other 0.03 A

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

Refrigerant Type - R-404A

Refrigerant Charge - MAF 1 lb. (453.6 g.)

Compressor Data - Copeland RS43C1E-CAA-219 Capacity (BTU) 4170
RLA – 10.1A LRA – 51
SWR- 4.08 ohms RWR- 0.59 ohms (Resistance @ 25°C)
Oil Charge - 24 FL. oz. (710 cc.)
Oil Type - Mobil EAL Arctic 22CC (POE)

Heat of Rejection for AC load – MAF 5090 BTU/h (AT 90°F / WT 70°F)
MAF-C 5150 BTU/h

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Ambient Temp (F°)		70	80	90	100
	Water Temp.	Air	Air	Air	Air
Production 24 hours	50	476	416	362	315
	70	456	397	355	301
	90	435	379	330	282
Evaporator outlet	50	16 (-9)	16 (-9)	16 (-9)	16 (-9)
	70	16 (-9)	16 (-9)	16 (-9)	16 (-9)
	90	16 (-9)	16 (-9)	16 (-9)	16 (-9)
Pressure High Side	50	235	272	308	348
	70	235	272	308	348
	90	235	272	308	280
Pressure Low Side	50	29	33	36	39
	70	29	33	36	39
	90	29	33	36	39

Performance Data F-450MAF-C:

Ambient Temp (F°)		70	80	90	100
	Water Temp.	Air	Air	Air	Air
Production 24 hours	50	426	368	317	273
	70	407	350	310	260
	90	387	333	287	244
Evaporator outlet	50	16 (-9)	16 (-9)	16 (-9)	16 (-9)
	70	16 (-9)	16 (-9)	16 (-9)	16 (-9)
	90	16 (-9)	16 (-9)	16 (-9)	16 (-9)
Pressure High Side	50	236	273	310	351
	70	236	273	310	351
	90	236	273	310	351
Pressure Low Side	50	30	34	37	41
	70	30	34	37	41
	90	30	34	37	41

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Wiring Diagram F-450MAF:

