



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB99-0015R

September 20, 1999

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Subject: TECHNICAL INFORMATION FOR KM-500M_F CUBER

The following technical information applies to the new KM-500 cuber series.

Unit Size: 30 5/6" high X 22" wide X 27 1/2" deep

Drain System: Standard pump-out and overflow-flush system.

Voltage Requirements: 115 / 60 / 1

Amperage:	MAF	13 A
	MWF	10 A
	MRF	15 A

Maximum Circuit Amps: 20 A (Separate circuit)

Refrigerant Type: R-404A

Refrigerant Charge:	MAF	1 lb. 10 oz. (735g)
	MWF	13.4 oz. (380g.)
	MRF	Unit - 2 lb. 2 oz. (950g)
		Cond. - 1 lb. 13 oz. (836g)
		Total - 3lb. 15 oz. (1786g)

Ice production per cycle: 9.5 lbs. (4.3 kg.) 480 pcs.

Compressor Data - Tecumseh AKA9455ZXA Capacity (BTU/h) 5,450

RLA - 10.10 LRA - 50

(Resistance @ 25° C) SWR- 5.95 ohms RWR- 0.690 ohms

Oil Charge - 17.7 FL. oz. (503cc)

Oil Type - POE EAL 22cc

Control Board Settings (dip switch): MAF - 1, 2, 3, 4, 7, 8, & 10 OFF

MWF /MRF - 1, 2, 3, 4, 7, 8, 9, & 10 OFF

Heat of Rejection for AC Load: MAF - 8,206 BTU/h MWF - 1,543 BTU/h

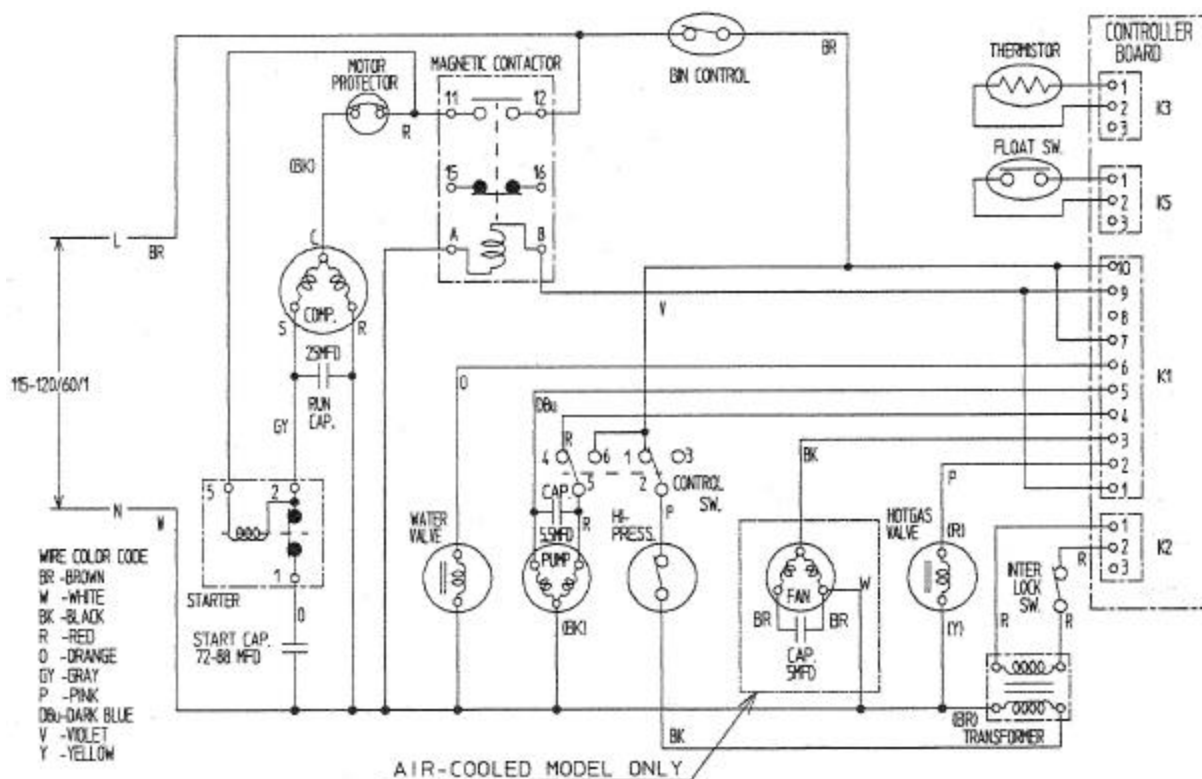
MRF - 1,735 BTU/h

Performance Data KM-500M_F series:

Ambient Temp (F°)	70				80				90				100			
	Water Temp.	Air	Water	Remote	Air	Water	Remote	Air	Water	Remote	Air	Water	Remote	Air	Water	Remote
Production 24 hours	50	499	463	517	475	451	499	468	448			493	461	442	480	
	70	468	448	493	427	428	462	393	411			436	384	405	425	
	90	428	423	449	389	401	411	353	385			387	317	361	342	
Cycle Time Freeze	50	27	29	26	28	30	27	29	30	27	30	31	28			
	70	29	30	27	31	32	29	33	33	31	35	33	32			
	90	33	32	31	37	34	33	38	35	34	43	37	38			
Cycle Time Harvest	50	3.9	3.9	3.4	3.5	3.6	3.1	3.3	3.5	3.0	3.3	3.5	3.0			
	70	3.3	3.5	3.0	2.6	2.9	2.5	2.0	2.5	2.1	2.0	2.4	2.1			
	90	3.1	3.2	2.8	2.5	2.8	2.5	2.0	2.3	2.0	2.0	2.1	2.0			
Pressure High Side	50	244	280	232	230	280	241	263	281	245	266	284	249			
	70	263	281	245	289	281	264	310	282	280	315	284	285			
	90	285	287	245	308	291	284	331	290	300	350	298	319			
Pressure Low Side	50	49	53	47	51	54	49	52	54	50	52	54	50			
	70	52	54	50	56	56	53	59	57	56	59	57	56			
	90	54	55	52	57	57	55	61	57	58	62	59	60			

Pressure data recorded 5 minutes into the freeze cycle.

Wiring Diagram KM-500MAF/MWF:



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Wiring Diagram for KM-500 MRF:

