



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB99-0007

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Subject: TECHNICAL INFORMATION FOR KM-630M_F CUBER

The following technical information applies to the new KM-630 cuber series.

Unit Size: 37 1/2" high X 22" wide X 27 1/2" deep

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

Voltage Requirements: 208-230 / 60 / 1 (3 wire with neutral for 115V)

Amperage: MAF 7.5 A
MWF / MRF 6.5 A

Maximum Circuit Amps: 15 A (Separate circuit)

Refrigerant Type: R-404A

Refrigerant Charge: MAF 1 lb. 7.6 oz. (670g)
MWF 1 lb. 3 oz. (525g)
MRF Unit - 2 lb. 6 oz. (1085g)
Cond. - 1 lb. 14 oz. (850g)
Total - 4 lb. 4 oz. (1935g)

Ice production per cycle: 14.3 lbs. (31.5 kg.) 720 pcs.

Compressor Data - Copeland RS64C1E-CAV Capacity (BTU/h) 6,460
RLA - 7.7 A LRA - 37 A

(Resistance @ 25° C) SWR- 7.366 ~ 8.474 ohms RWR- 1.442 ~ 1.659 ohms

Oil Charge – 24 FL. oz. (710cc)

Oil Type – POE EAL 22cc

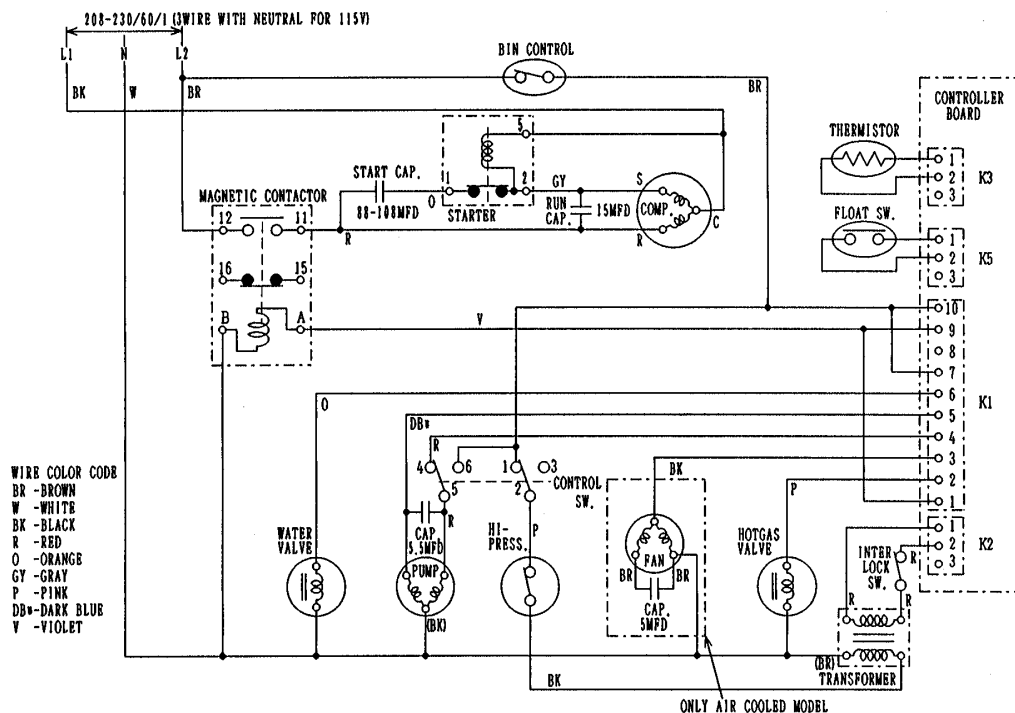
Control Board Settings (dip switch): MAF /MRF - 1, 2, 3, 4, 7, 8, & 10 OFF
MWF - 1, 2, 3, 4, 7, 8, 9, & 10 OFF

Heat of Rejection for AC Load: MAF - 9.639 BTU/h
MWF – 2,156 BTU/h
MRF - 1,775 BTU/h

Performance Data KM-630M_F series:

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	600	619	603	571	602	580	562	596		573	554	589	564		
	70	562	596	573	512	566	532	470	541		499	459	533	489		
	90	514	563	531	466	533	491	422	507		457	378	476	418		
Cycle Time Freeze	50	31	31	31	33	32	33	34	32	33	35	33	34			
	70	34	32	33	37	34	36	40	36	39	41	37	39			
	90	38	35	37	41	37	40	44	39	43	48	41	47			
Cycle Time Harvest	50	4.4	4.2	4.1	4.0	3.8	3.7	3.8	3.7	3.6	3.9	3.7	3.7			
	70	3.8	3.7	3.6	3.0	3.0	2.9	2.4	2.5	2.4	2.4	2.4	2.4			
	90	3.5	3.3	3.3	2.9	2.9	2.8	2.2	2.2	2.2	2.0	2.0	2.0			
Pressure High Side	50	245	280	232	262	280	238	267	280	240	272	284	249			
	70	267	280	240	296	280	251	320	280	260	327	282	266			
	90	296	288	263	324	292	281	349	290	288	375	300	313			
Pressure Low Side	50	43	43	43	44	44	43	44	44	43	44	44	44			
	70	44	44	43	46	46	42	47	47	42	47	47	43			
	90	46	46	46	47	47	47	49	49	46	50	50	50			

Wiring Diagram KM-630MAF/MWF:



Wiring Diagram for KM-630 MRF:

