



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB98-0011

December 4, 1998

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Subject: Technical information for KM-1600SRF& SRF3 Cuber

The following technical information applies as follows:

Voltage Requirements – **KM-1600SRF** - 208-230 / 60 / 1 (3 wire with neutral for 115 V)

KM-1600SRF3 – 208-230 / 60 / 3

Ice production / cycle - 30.1 lbs. 1440 pcs.

Maximum Circuit Amps – **KM-1600SRF** - 30A **KM-1600SRF3** – 20A

Amperage – **KM-1600SRF** - 21A **KM-1600SRF3** – 11A

Refrigerant Charge - R-404A	Unit	7 lbs. 1 oz.
	Cond.	7 lbs. 11 oz.
	Total	14 lbs. 12 oz. (6700g.)

Compressor Data - **KM-1600SRF** Copeland CS20K6E-PFV-279

Capacity (BTU) 20,050

RLA – 18.6A LRA – 96A

Winding resistance @ 25°C / 77°F

SWR- 2.204~2.536 ohms

RWR- 0.605~0.697 ohms

Oil Charge – 45 fl. oz. / 1331cc.

Type - Mobil EAL Arctic 22CC (POE)

KM-1600SRF3 Copeland CS20K6E-TF5-279

Capacity (BTU) 19,760

RLA – 11.4A LRA – 75A

Winding resistance @ 25°C / 77°F

Line to line – 0.984~1.132 ohms

Oil Charge – 45 fl. oz. / 1331cc.

Type - Mobil EAL Arctic 22CC (POE)

Control Board Settings (dip switch) : SRF1/3 OFF ~ 2, 7, & 8 ON ~ 1, 3, 4, 5, & 6

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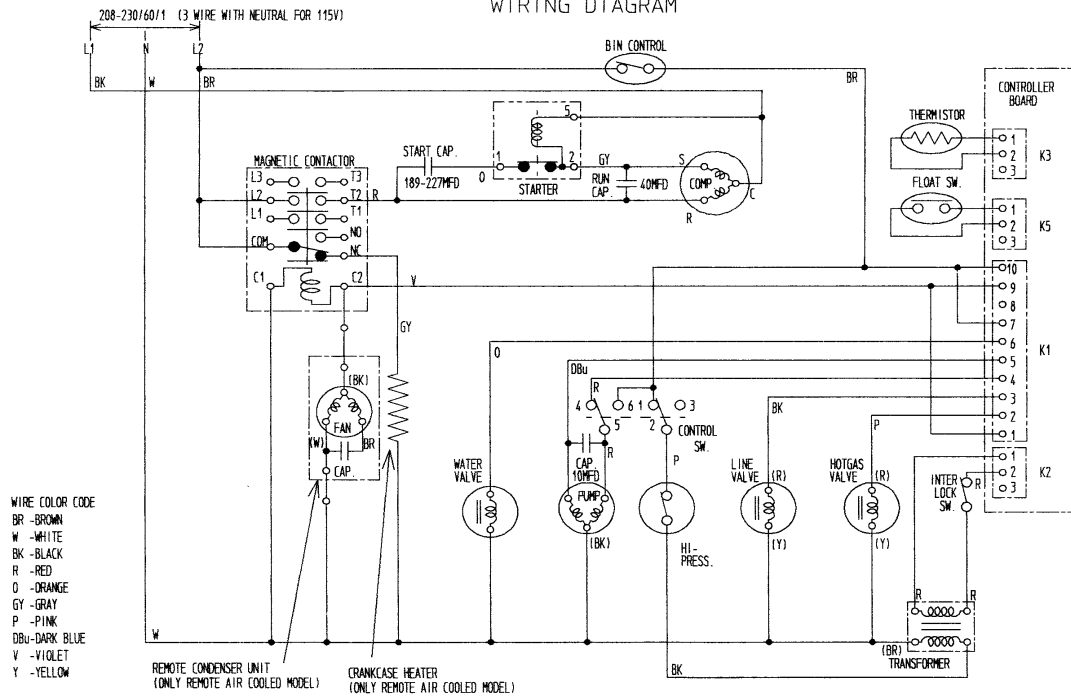
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Performance Data KM-1600SRF:

Ambient Temp (F°)		70	80	90	100
	Water Temp.	Remote	Remote	Remote	Remote
Production 24 hours	50	1430	1419	1415	1383
	70	1415	1396	1380	1359
	90	1343	1295	1290	1207
Cycle Time Evaporator	50	25	26	26	26
	70	26	27	28	28
	90	28	29	30	32
Cycle Time Harvest	50	5.5	4.9	4.8	4.9
	70	4.8	3.8	3.0	2.9
	90	4.3	3.7	2.7	2.5
Pressure High Side	50	225	233	235	242
	70	235	249	260	265
	90	256	273	283	305
Pressure Low Side	50	38	39	39	40
	70	39	41	43	43
	90	41	43	45	47

Performance Data KM-1600SRF3:

Ambient Temp (F°)		70	80	90	100
	Water Temp.	Remote	Remote	Remote	Remote
Production 24 hours	50	1461	1434	1426	1409
	70	1426	1380	1341	1325
	90	1365	1311	1274	1213
Cycle Time Evaporator	50	25	25	26	26
	70	26	26	27	27
	90	27	29	29	31
Cycle Time Harvest	50	5.5	4.9	4.8	4.9
	70	4.8	3.8	3.0	2.9
	90	4.3	3.7	2.7	2.5
Pressure High Side	50	225	233	235	240
	70	235	249	260	264
	90	252	267	278	295
Pressure Low Side	50	37	38	38	39
	70	38	39	40	41

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