HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB94-0011

August 25, 1994

SUBJECT: COMPRESSOR DATA (R-22 REFRIGERANT)

The following information is provided for help in compressor troubleshooting/diagnosis.

COMPRESSOR RUN LOAD AMPS

NOTE: This information is found on the unit nameplate.

The RLA is taken at ambient temperature 104° F/water temperature 80° F. which is the ARI rating criteria. The actual RLA will vary with operating conditions.

MODEL NUMBER	RLA		
	A	W	R
KM-250B	9.3 A	8.3 A	---
KM-250M	8.6 A	8.2 A	---
KM-500M	11.0 A	11.0 A	11.0 A
KM-630M	6.0 A	5.0 A	6.0 A
KM-800M	10.0 A	10.0 A	10.0 A
KM-1200M	11.5 A	10.5 A	11.0 A
KM-1200S	11.0 A	10.5 A	11.0 A
KM-1600M (3 PHASE)	---	---	17.0 A (10 A)
KM-1600S (3 PHASE)	---	16.0 A (9.5 A)	16.0 A (10 A)
KM-2000S3	---	8.8 A	11.1 A
KM-2400S3	---	---	15.0 A
F-250B (R-134A)	3.8 A	---	---
F-450B	7.5 A	---	---
F-650M	9.2 A	8.3 A	---
F-1000M	4.5 A	4.3 A	4.5 A
DCM-240B	5.2 A	---	---
DCM-450	8.3 A	8.3 A	---
DCM-700	10.0 A	10.0 A	---

DM/ss

COMPRESSOR DATA

MODEL	PART NUMBER	MANUFACTURER/NUMBER	LRA	(Ohms) SWR	(Ohms) RWR	OIL TYPE	CHARGE AMT/FL.OZ.
KM-250/ F-450	436634-01	Copeland/RSU4-0050-CAA	51	3.79-4.37	.599-.631	3GS	24 oz.
KM-500/DCM-700	446521-01	Copeland/RSN6-0075-CAA	75	5.54	.48	3GS	24
KM-630/ F-1000	434209-01	Copeland/REK3-0125-PFV	31	4.68-5.38	1.89-2.16	3GS	24
KM-800/ KM-1200	443304-01	Copeland/CR30K6-PFV	82	2.62-3.02	.688 .792	3GS	45
KM-1600/ KM-2000	428202-01	Bristol/H23A463ABCA	118	2.23	.39	3GS	55
KM-1600/ KM-2000 3 ph	4A0333-01	Bristol/M53A273DBDA	70	1.22	1.22	3GS	47
KM-2400 3 ph	440665-01	Toshiba/TM506JA-U	136	.56	.56	3GS	55
DCM-240	444746-01	Toshiba/CF180JIM-1U	38	3.16	.77	3GS	29
*F-250	446132-02	Toshiba/CE110Y-1ZU	29.3	5.1	1.2	ESTER BASE	12
F-650/ DCM-450	444624-01	Copeland/RSF5-0075-CAA	66	2.93-3.37	.387 .445	3GS	24

* The F-250 Utilizes R-134A refrigerant. All other models use R-22.

LRA = Lock Rotor Amps
SWR = Start Winding Resistance
RWR - Run Winding Resistance

Resistance measurments made with wheatstone bridge under controlled ambient conditions.