## SECTION V

### CHILLER OPERATION PARAMETERS

### FOR KV1500

| | |
|---|---|
| Power Supply: | 230V/1 phase/60 Hz |
| Rated Load Amps: | 17 Amps |
| Ambient Temperature: | 50°F - 95°F |
| Hydronics Fluid: | water glycol (20-50% Concentration) |
| Fluid Operating Temperatures: | 60°F to 80°F (factory set at 65°F) |
| Chiller Heat Load: | 15,900 BTU/HR |
| Pump Amp Draw: | 4-6 Amps @ 230V/1 phase/60 cycle |
| Pump Pressure Set: | 25-35 psig |
| Pump Flow @ 35 psi: | 9-11 gpm |
| Reservoir Capacity | 10 Gallons |
| Freon Charge: | 4 lbs of R22 |
| Compressor Amp Draw: | 8-10 Amps @ 230V/1 phase/60 cycle |
| Fan Amp Draw: | 1.2-1.3 Amps @ 230V/1 phase/ 60 cycle |
| Head Pressure: | 180-300 psig(Relative to Ambient Temp) |
| Suction Pressure: | 70-85 psig (Relative to Fluid Temp) |
| Super Heat in Evaporator: | 14-22 psig |
| Low Pressure Switch Setting: | in @ 50 psig, out @ 25 psig |
| High Pressure Switch Setting: | out @ 410 psig, manual reset |
| Compressor on/off: | ±2° of chiller set point |

Actual test data is available from the factory for each machine.

## SECTION VI

### DRAWINGS

A machine bill of material, layout, piping schematic and electrical schematic are included for information. The materials listed are primary components. Koolant Koolers reserves the right to substitute parts with equal replacements if necessary to maintain production. Contact the factory for assistance in this area.