



Think Ahead[®]

RECIPROCATING AIR CONDITIONING AND REFRIGERATION LOG



EXCELLENCE IS OUR POLICY.™

| MANUFACTURER | | NUMBER | | SIZE | | 25 HP AND OVER | | | | | | LOCATION | | REFRIGERANT "R" |
|-------------------------------------|----------------|-------------------------------------|----------------------|-------|----------------|----------------------|-----------------------|----------------|--------------|------------------------------|-----------------------------|----------|-------|---|
| DATE | OUT-SIDE TEMP. | COMPRESSOR | | MOTOR | | | CONDENSER TEMPERATURE | | | EVAPORATOR | | INITIAL | TUBES | |
| | | Refrigerant PRESSURE Suct. • Disch. | TEMP. Suct. • Disch. | Oil | 1 Volts • Amps | 2 Phase Volts • Amps | 3 Volts • Amps | Water In • Out | Air In • Out | Chiller Water Temp. In • Out | Fan Coil Air Temp. In • Out | | | |
| | | | | | | | | | | | | | | |
| PERFORM THESE TESTS ANNUALLY | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | OIL PRESSURE SAFTEY CONTROL SETTING DATE TESTED & INITIALS <i>Operating & Safety Control Tests</i> |
| | | | | | | | | | | | | | | LOW REFRIG. PRES./TEMP. SAFETY CONTROL SETTING DATE TESTED & INITIALS |
| | | | | | | | | | | | | | | LOW CHILLED WATER TEMPERATURE CONTROL SETTING DATE TESTED & INITIALS |
| | | | | | | | | | | | | | | FLOW/PRESSURE DIFFERENTIAL CONTROL Chilled Water CONDITION Condenser Water CONDITION DATE TESTED & INITIALS |

LOG THIS INFORMATION DAILY

IMPORTANT

For reliable and uninterrupted service, the following maintenance items should be given attention as indicated.

Compressor: Cylinder heads should be removed for examination of high stress parts at 10,000 operating hours or two years, whichever comes first. Replace springs, valves and other worn parts.

Controls: All safety and operating controls should be tested annually, calibrated to design conditions, and their set points recorded. Defective safety devices and controls should be replaced.

Oil/Refrigerant: When oil or refrigerant is added record date and amount. Also indicate leak tests, repairs and adjustments. Oil samples should be taken and tested for physical and chemical properties. Use reverse side to record all service calls including:
 1. Service Company/Name & Tel. No.
 2. Date of service call
 3. Work performed
 4. Date and time machine shut down on safety control.

Tubes:

- The water side surfaces should be cleaned annually.
- Eddy current analysis should be performed after 3 years to determine any wear, corrosion or deterioration of the tubes (when construction of the shell and tubes permit). The results of this test determine when subsequent testing of the tubes should be performed.

Controls:

All safety and operating controls should be tested annually, calibrated to design conditions, and their set points recorded. Defective safety devices and controls should be replaced.