



FIELD START-UP TEST SHEET

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UNITS WITH TANDEM COMPRESSORS

Modular Data Temp and Data Aire Series Units

Instructions:

This test sheet must be completely filled out during start-up and returned to Data Aire, Inc. Failure to return the test sheet may limit or cause delays in warranty coverage. Some of the terms listed require specific information to be entered and others only need a check mark that verifies a test of inspection has been conducted. Items not applicable should be marked "N/A".

UNIT IDENTIFICATION Job Number _____ Model Number: _____
Serial Number: _____

TEST VOLTAGE

Voltage: A-B _____ A-C _____ B-C _____

TEST CONDITIONS

Supply Air Temperature: _____ °F Condenser/Ambient Air Temperature: _____ °F
Return Air Temperature: _____ °F Return Air Humidity: _____ %

BLOWER No. 1

Motor HP: _____ F.L.A.: _____ Voltage: _____ Operating Amps: L1 _____ L2 _____ L3 _____
Motor, Drive and Pulley Aligned: Yes or No Drive and Pulley Set Screws Tight: Yes or No
Blower Clean of Debris: Yes or No Blower Pulley Size: _____

BLOWER No. 2

Motor HP: _____ F.L.A.: _____ Voltage: _____ Operating Amps: L1 _____ L2 _____ L3 _____
Motor, Drive and Pulley Aligned: Yes or No Drive and Pulley Set Screws Tight: Yes or No
Blower Clean of Debris: Yes or No Blower Pulley Size: _____

BLOWER No. 3

Motor HP: _____ F.L.A. _____ Voltage: _____ Operating Amps: L1 _____ L2 _____ L3 _____
Motor, Drive and Pulley Aligned: Yes or No Drive and Pulley Set Screws Tight: Yes or No
Blower Clean of Debris: Yes or No Blower Pulley Size: _____

COMPRESSOR No. 1 – ONLY COMPRESSOR No. 1 RUNNING

Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass _____ % High Pressure Cutout _____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded _____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 _____ L2 _____ L3 _____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 2 – ONLY COMPRESSOR No. 2 RUNNING

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 3 – ONLY COMPRESSOR No.3 RUNNING

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 4 – ONLY COMPRESSOR No. 4 RUNNING

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F AMPS unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 1 COMPRESSORS No. 1 and 2 ONLY RUNNING AT SAME TIME

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 2 COMPRESSORS No. 3 and 4 ONLY RUNNING AT SAME TIME

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 1 ALL COMPRESSORS RUNNING AT SAME TIME

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 2 ALL COMPRESSORS RUNNING AT SAME TIME

Operating Amps: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 3 ALL COMPRESSORS RUNNING AT SAME TIME

Operating AMPS: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

COMPRESSOR No. 4 ALL COMPRESSORS RUNNING AT SAME TIME

Operating AMPS: L1 ____ L2 ____ L3 ____ Discharge Pressure: ____ PSIG
Suction Pressure: ____ PSIG Suction Temperature: ____ °F Superheat: ____ ° F
Crankcase Temperature: ____ ° F Oil Level Sight Glass ____% High Pressure Cutout ____ PSIG
Moisture Indicator: Green/Yellow Discharge Pressure Unloaded ____ PSIG
Suction Temperature Unloaded _____ °F Amps unloaded: L1 ____ L2 ____ L3 ____
Hot Gas Bypass: Yes or No Liquid Line Solenoid: Yes or No

ENERGY SAVER COOLING LOGIC:

DC Volts Setting _____ Modulating Valve Operation Yes or No

REHEAT

Type: Electric ____ Hot Water ____ Hot Gas ____ Steam ____
(For Electric Reheat) Operating Amps: L1 _____ L2 _____ L3 _____
High Temperature Safety Operation: Yes or No
High Temp. Safety Operation: Yes or No
(For Non-Electric Reheat) Valve Operating: Yes or No

HUMIDIFIER

Steam Generator: Yes or No Immersion _____ Infrared _____ Dry Steam _____

Operating Amps: L1 _____ L2 _____ L3 _____

Water Level: _____% Capacity Setting: _____% Water Pressure Switch: Yes or No

Dry Steam Solenoid: Yes or No

The following items must be checked and adjusted as required:

Electrical Connections: **Yes or No**

Copper Conductors Used: **Yes or No**

Disconnect **Yes or No**

Remote Shutdown Jumper: **Yes or No**

Filters Clean: **Yes or No**

System Leak Checked: **Yes or No**

System Evacuated:..... **Yes or No**

Water Detection Probe Alarm..... **Yes or No**

Smoke Detector Magnet Test..... **Yes or No**

DATA ALARM MINI PROCESSOR II

SEE DAP-II CHECKLIST ATTACHED

COMMENTS:

Company Name: _____ **Telephone:** (____) _____

Start-Up Conducted by: _____ **Date:** _____