

FIELD START-UP 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 Pulleys 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 Pulleys 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 Pulleys 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

Refrigerant Type _____ # of Pounds/Oz _____

Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG

Liquid Line Temperature _____ Sub-cooling _____ °F

Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F

Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG

Moisture Indicator: Green or 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

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 Running at the Same Time

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 Running at the Same Time

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 the Same Time

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 the Same Time

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 the Same Time

Refrigerant Type _____ # of Pounds/Oz _____
Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG
Liquid Line Temperature _____ Sub-cooling _____ °F
Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F
Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG
Moisture Indicator: Green or 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 the Same Time

Refrigerant Type _____ # of Pounds/Oz _____

Operating Amps: L1 _____ L2 _____ L3 _____ Discharge Pressure: _____ PSIG

Liquid Line Temperature _____ Sub-cooling _____ °F

Suction Pressure: _____ PSIG Suction Temperature: _____ °F Superheat: _____ °F

Crankcase Temperature: _____ °F Oil Level Sight Glass: _____ % High Pressure Cutout: _____ PSIG

Moisture Indicator: Green or 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 SAVING 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
(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 PROCESSOR 4 – See Dap4 Checklist Attached

Comments: _____

Company Name: _____ Telephone: (_____) _____

Start-Up Conducted by: _____ Date: _____