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ENVIRONMENTAL CHAMBER
INSPECTION/MAINTENANCE/START-UP

Customer: _____ Work Order #: _____
Street: _____ Date: _____
City: _____ Contact: _____
Postal Code: _____ Telephone: _____

Equipment Information: Make: _____ Model: _____ Serial: _____

Work to Be Performed: Inspection/Maintenance: [] Calibration: []
New Chamber Start-up: []

1.0 Customer's Initial Comments

Chamber Running O.K. Prior to Inspection/Maintenance Yes/No

2.0 STATIC TESTS – Power Off

2.1 Electrical System

Nameplate Voltage: _____ Nameplate Amperage: _____

CSA (or equivalent) Label: Yes/No Customer's Initials (If No): _____

Measured Supply Voltage: L1-L2: _____ L1-L3: _____ L2-L3: _____

Tighten All Electrical Connections: [] Pull Test On All Electrical Wires: []
Checked Contactors and Relays: []

2.3 Refrigeration System (Refrigeration turned off and at ambient for at least 4 hours)

High Stage Standing Pressure: _____ Type: _____ Nameplate Charge: _____

Targeted CFC Refrigerant: Yes/No Customers Initials: _____

Low Stage Standing Pressure: _____ Type: _____ Nameplate Charge: _____

Targeted CFC Refrigerant: Yes/No Customers Initials: _____

Visible Oil Leaks: Yes/No Compressor Nameplate R.L.A.: _____

Cleaned Air Cooled Condenser: []

2.4 Heating System

Nameplate Capacity (Kw): _____
 Resistance: L1-L2: _____ L1-L3: _____ L2-L3: _____

Connections: Check Element:
 Check Insulators: Check Thermal Fuse:

2.5 Humidity System

Check Water Circuit for Leaks: Change Wet Bulb Wick:
 Check Water Filter:

3.0 OPERATIONAL TESTS (Temperature set to +85°C /85% Rh then -10, -30, or -50°C depending On refrigeration system)

3.1 Electrical

Amperages

	Mains	Circ. Fans ____ Hp	Cond. Fans ____ Hp	Head Fans ____ Hp	Air Heaters ____ Kw	RH Heaters ____ Hp	High Comp. ____ Hp	Low Comp. ____ Hp
Rated								
L1								
L2								
L3								
OK								

3.2 Refrigeration

Operating Pressures: Suction Temperature:
 Discharge Temperature: Expansion Valves:
 Pressure Regulating Valves: Solenoid Valves:
 Condenser: Oil Level:
 Crankcase Heaters:

3.3 Humidifier

Leaks: Correct Float Level:
 Atomizer Operation: Water Filter:

3.4 Controller

Dry Bulb Sensor (): Wet Bulb Sensor ():
 Solid State Sensor: Wick Water Level:

3.5 Safeties

High Temperature Limit 1() High Temperature Limit 2()
 High Temperature Limit 3() Low Temperature Limit 1()
 Low Temperature Limit 2() Low Temperature Limit 3 ()
 High Stage Compressor

High/Low Pressure Cutout: Oil Pressure Cutout:

Low Stage Compressor

High/Low Pressure Cutout: Oil Pressure Cutout:

Humidifier

High Temperature Cutout: Low Water Level Cutout:

4.0 Instrument Calibration Performed: System Calibration Performed

5.0 Chamber Cleaned and Left in Good Working Order

6.0 "Call for Service" Label attached

7.0 Inspection Label Attached and date of next inspection entered

6.0 Required Repairs: *Customer's Initials:* _____

7.0 Further Recommendations *Customer's Initials:* _____

8.0 Required Customer Signatures:

Work Performed as Quoted:

Print _____ Sign _____ Date _____

Requires Quote for Repairs: Go Ahead With Repairs (Time and Material):

P.O. for Repairs:

_____ Authorized Signature _____ Date _____

9.0 Technician

Print _____ Sign _____ Date _____

Next Inspection Date: _____