



START-UP FORM GROW ROOM UNITS

Date:

GENERAL INFORMATION

Customer Name:

Contractor Name:

Address:

Project Name:

City/State

Unit TAG #:

Zip:

Unit Model #:

Phone/Fax:

Unit Serial #:

APPLICATION INFORMATION

Return Air Conditions:
(Room Conditions)

db

RH

UNIT OPERATION INFORMATION

PRE-START CHECKS:

Unit in satisfactory condition

Electrical connections tight

Shipping blocks removed

Electrical wiring correct

Unit supply voltage correct

All field-installed sensors are operational

Unit checked for debris

UNIT ELECTRICAL CHECKS:

Nameplate Electrical Data: Volts

Phase

Hz

MCA:

Supply Voltage: L1-L2

L2-L3

L1-L3

Unit Information:

Cooling Type: Air Cooled

Water Cooled

No of Circuits:

If Water Cooled

Refrig Type:

GPM:

Glycol:

Charge:

Compressor Checks:

Manufacturer:

#1 Model No:

Serial No:

#2 Model No:

Serial No:

#3 Model No:

Serial No:

#4 Model No:

Serial No:

#1 RLA:

#2 RLA:

#3 RLA:

#4 RLA:

FILTER CHECKS:

Filters Installed

Condenser Water-Valve Checks (If Water-Cooled):

Correct rotation confirmed (0-10VDC; 0V= Full Closed, 10V= Full Open)

Valve freely opens to full open / close

SUPPLY FAN AND FAN MOTOR CHECKS:

Set screws tight

VFD Setting (Hz):

Fan wheel rotates freely

Amperage:

Vibration isolators adjusted

LEAD CIRCUIT CHECKS: MUST BE DONE IN FULL COOLING MODE (0% RH VALVE)

Suction Press:

Superheat Temp:

Discharge Press:

If Water Cooled:

Entering Water Temp:

Leaving Water Temp:

HOT GAS BYPASS CHECKS (IF APPLICABLE):

Hot gas bypass installed? Yes No

Ensure pressure setting is 95psi or below before activation on both circuits

HOT GAS REHEAT CHECKS:

Ensure hot gas reheat valve moves 0-100% and back to 0% using the Cultiva Systems web browser interface.

Supply Air Temp Rise (100% RH Valve Position):

LAG CIRCUIT CHECKS: MUST BE DONE IN FULL COOLING MODE (0% RH VALVE)

Suction Press:

Superheat Temp:

Discharge Press:

If Water Cooled:

Entering Water Temp:

Leaving Water Temp:

HOT GAS BYPASS CHECKS (IF APPLICABLE):

Hot gas bypass installed? Yes No

Ensure pressure setting is 95psi or below before activation on both circuits

HOT GAS REHEAT CHECKS:

Ensure hot gas reheat valve moves 0-100% and back to 0% using the Cultiva Systems web browser interface.

Supply Air Temp Rise (100% RH Valve Position):

HEATING CHECKS (IF APPLICABLE):

Type: NG LPG Electric Hot Water

If HW Coil: GPM: WPD: Water Temp In: Water Temp Out:

Control Valve Made and Model:

If NG/LPG: Burner Modulation Control:

Manifold Pressure

Ignition Type:

Unit safeties operate properly

If Electric: L1 Amps: L2 Amps: L3 Amps:

EXHAUST FAN AND FAN MOTOR CHECK (IF APPLICABLE):

Set screws tight

VFD Setting (Hz):

Fan wheel rotates freely

Amperage:

Vibration isolators adjusted

Unit Serial Plate Picture taken and emailed to Trina Mock
trinam@cultivasystems.com

Signature