



# START-UP CHECK LIST

## Demand Air Systems w/ Speed Reference by Others

Model TA \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Job Address \_\_\_\_\_  
 Installing Contractor \_\_\_\_\_  
 Technician \_\_\_\_\_

Serial # \_\_\_\_\_  
 Date \_\_\_\_\_  
 Signature \_\_\_\_\_

### PRESTART CHECKS

- Supply Voltage
- L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_
- Motor FLA \_\_\_\_\_
- Installed Fuse/ Breaker Size \_\_\_\_\_ Amps
- Control Voltage \_\_\_\_\_
- All Remote Wiring in Place
- VFD Mounted and Wired
- All Terminal Connections Tight
- Blower Drive & Hardware Tight
- Inlet Gas Pipe Size \_\_\_\_\_ Inches
- Inlet Gas Pressure \_\_\_\_\_ ("wc) or (PSI)
- All Duct, Unit Accessories and Unit Joints Sealed

### OPERATIONAL CHECKS (cont.)

- Burner at High Fire – 24 Hz \_\_\_\_\_ "wc
- Temperature rise on forced high fire-  
 At 60 Hz \_\_\_\_\_ °F
- At 42 Hz \_\_\_\_\_ °F
- At 24 Hz \_\_\_\_\_ °F
- Low Fire Set
- Accurate & Stable Discharge Temp.
- Stable Burner Pressure Drop Control as OA Varies
- VFD speed modulates in response to control signal

To Mail-Fold on Dotted Line and Seal

### OPERATIONAL CHECKS

- Service Switches (SW-5 & SW-6)
- Low Temp Limit ( INL. to Prog. Controller )
- Damper Actuator (DM-1)\*
- Actuator End Switch\*
- Blowers Rotate Correct Direction
- Motor Amp Draw- (VFD Amp Display Preferred)  
 L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_
- Air Flow Switches (P-1 & P-1A)
- Burner Profile Air Press. Drop- 60 Hz \_\_\_\_\_ "wc
- Burner Profile Air Press. Drop- 42 Hz \_\_\_\_\_ "wc
- Burner Profile Air Press. Drop- 24 Hz \_\_\_\_\_ "wc
- Inlet Duct Stat ( INL. to Prog. Controller )\*
- High Temp Limit (TL-1)
- Low Gas Press Switch (P-2)\*
- High Gas Press Switch (P-3)
- Flame Safeguard Signal (FS-1)  
 Pilot \_\_\_\_\_ VDC Low Fire \_\_\_\_\_ VDC
- Flame Safeguard Trips (FS-1)
- Gas Manifold Pressure  
 Burner Off \_\_\_\_\_ "wc
- Burner at High Fire – 60 Hz \_\_\_\_\_ "wc
- Burner at High Fire – 42 Hz \_\_\_\_\_ "wc

or FAX to 715-597-3620

### CONTROL SETTINGS

- Low Temperature Limit ( INL. to Prog. Controller )\*
- Time-3 **Minutes** Temp.- 45 \_\_\_\_\_ °F
- High Temperature Limit (TL-1) **185°**F
- Low Gas Press Switch (P-2)\* \_\_\_\_\_ "wc
- High Gas Press Switch (P-3) \_\_\_\_\_ "wc
- Temperature Control  
 Supply Temp Set Point \_\_\_\_\_ °F
- OA Heat Enable Set Point \_\_\_\_\_ °F
- Room Override Set Point\* \_\_\_\_\_ °F
- Override Disch. Set Point \_\_\_\_\_ °F

### Additional Comments or Notes:

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*= Optional control, may not apply to all equipment.

SEAL WITH TAPE- DO NOT STAPLE

Place  
Stamp  
Here

TITAN AIR LLLP  
13901 16<sup>th</sup> Street  
P.O. Box 717  
Osseo, WI 54758

Attn: Warranty Department