


End-of-Line Testing Dedicated Outdoor Air Systems

Greenheck tests every unit for an average of 90 minutes before it leaves the factory. Coupled with Greenheck's embedded controls platform, the end-of-line test ensures a fast and trouble-free start-up when the unit arrives at its destination.

MECHANICAL COMPONENT TESTED

- Every fan assembly is vibration tested prior to placement in the unit
- All mechanical components are cycled through their entire range to ensure proper operation:
 - Fans: Verify proper rotation and confirm proper RPM of each fan to deliver design airflow
 - Dampers: Cycle through damper operation for complete movement, verify wiring of actuator
 - Furnaces: Set high fire and low fire to verify range of functionality, then cycle through high to low to ensure furnace runs without interruption
 - Compressors: Verify proper rotation, check proper wiring of crankcase heater
 - Enthalpy Wheel: If applicable, verify wheel rotation and confirm rotation sensor operation
 - Accessories: Based on the unit configuration, all optional accessories are checked and verified

 GREENHECK <small>Building Value in Air.</small>	
June 22, 2023	
FACTORY TEST CERTIFICATE	
Sales Order: 8950996	Line: 20
Material: X-SERIES	
Production Order: 157778642	Inspection Lot: 030004496357
Description: DEDICATED OA SYSTEM X-SERIES	
Serial Number: 22072298	Tag: DOAS-1
Compressor #1 Serial Number	23E04884L
Clean Flux	PASS
Professional Looking Braze Joints	PASS
Straight Pipe Runs	PASS
Components In The Correct Orientation	PASS
Tubes Capped	PASS
Shrader Caps Installed	PASS
Nozzle Installed in DX Coil	PASS
Crankcase Hir Correct Orient and Rolled	PASS
Employee Number - PIPE AND BRAZE #1	25087
Supply Motor Model Number	GFC-001180T3E56-G
Supply Motor Horse Power	1
Correct Motor Wire Gauge	PASS
Correct Conduit and Wire Length	PASS
Blower Wheel Is Centered	PASS
Correct Wheel Position (Depth)	PASS
Blower Hub Bushing is Torqued	PASS
Blower Fasteners Are Tight	PASS
Leak Test Drain Pan	PASS
Base is Properly Caulked	PASS
N/A & O/A Panel is Properly Caulked	PASS
Zee & Top Channel Properly Caulked	PASS
Dividers and Closures Properly Caulked	PASS
Actuator Stops are on the Access Side	PASS
Clips Installed on Damper Linkage	PASS
Damper Properly Fastened to Sheet Metal	PASS

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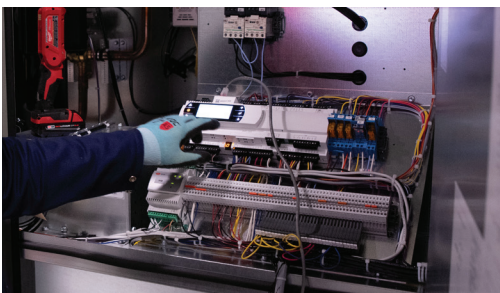
The detailed Factory Test Certificate is shipped with every Greenheck unit.

End-of-Line Testing

AN UNCOMMON COMMITMENT TO QUALITY

COOLING SYSTEM PRESSURIZED

- All compressors are run to verify that operating pressures and temperatures are within specifications
- Refrigeration circuits are pressurized and held at 475 psi for a minimum of 30 minutes as a final leak check
- Subcooling and superheat parameters are measured, adjusted, and documented in the end-of-line test report to ensure proper charge, performance, and compressor reliability



CONTROLS PROGRAMMED

- Pre-engineered control sequences are loaded into the controller with factory defaults assigned
- VFDs are programmed and tested
- Sensor wiring and functionality are confirmed

Specify with Confidence. Specify Greenheck.
Connect with your local mechanical representative to learn more.

P.O. Box 410 | Schofield, WI 54476 | 715-359-6171 | R1 8-2023 © 2023 Greenheck Fan Corp.

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