

REFERENCE

General Inspection	Completed	See Notes
Unit inspected for shipping, storage, or rigging damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed with proper clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed within slope limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Refrigeration system checked for gross leaks (presence of oil)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Terminal screws and wiring connections checked for tightness	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filters installed correctly and clean	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer hoods installed in operating position	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Condensate drain trapped properly, refer to Installation Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer damper linkage tight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gas Heat vent hood installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All field wiring (power and control) complete	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Air Moving Inspection	Completed	See Notes
Alignment of drive components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Belt tension adjusted properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure switch or transducer tubing installed properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Exhaust Inspection	Powered <input type="checkbox"/>	Barometric Relief <input checked="" type="checkbox"/>	Completed	See Notes
Check hub for tightness			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check fan blade for clearance			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper rotation			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper mounting (screen faces towards unit)			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prove operation by increasing minimum setting on economizer			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Economizer Inspection	Standard <input checked="" type="checkbox"/>	BAS <input type="checkbox"/>	Completed	See Notes
CO ₂ sensor installed Yes <input type="checkbox"/> No <input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check economizer setting A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prove economizer open/close through PC or Control Module			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Reheat Mode Normal or Alternate Not Applicable

Humidistat Location _____
 Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 2 FLA 6.8 RPM 1750
 Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____
 Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 212 Volts T2 - T3 212 Volts
 Control Voltage 24 Volts T1 - T3 211 Volts

Device	Nameplate	Measured				
		List All Three Amperages				
Supply Fan Motor ^{1,2}	6.8 AMPS	3.7	3.6	3.5		AMPS
Exhaust Motor (Dampers 100%)	5.5 AMPS					AMPS
Condenser Fan #1	1.65 AMPS	1.2	1.3	1.2		AMPS
Condenser Fan #2 (if equipped)	1.65 AMPS	1.1	1.2	1.3		AMPS
Condenser Fan #3 (if equipped)	AMPS					AMPS
Condenser Fan #4 (if equipped)	AMPS					AMPS
Compressor #1	11.2 AMPS	5.9	5.8	5.7		AMPS
Compressor #2 (if equipped)	11.2 AMPS	5.9	6.0	6.1		AMPS
Compressor #3 (if equipped)	AMPS					AMPS
Compressor #4 (if equipped)	AMPS					AMPS

- VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
- VAV units without heat section - VAV boxes must be set to maximum design airflow position

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Verify Proper Operation of Heating/Cooling Staging Controls

Create a cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized.	<input checked="" type="checkbox"/>
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	<input checked="" type="checkbox"/>

Verify Proper Operation of the Variable Frequency Drive (If Required)

Verify that motor speed modulates with duct pressure change.	<input type="checkbox"/>
--	--------------------------

FINAL - INSPECTION

Verify that all operational control set points have been set to desired value Scroll through all setpoints and change as may be necessary to suit the occupant requirements.	<input checked="" type="checkbox"/>
Verify that all option parameters are correct Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. (Factory software settings should match the installed options)	<input checked="" type="checkbox"/>
Verify that all access panels have been closed and secured	<input type="checkbox"/>

OBSERVED PRODUCT DEFICIENCIES & CONCERNS:

Retrofit Construction - Contractor Work Evaluation Form

(To be completed only after specific work has been finished; Green cells are active)

Contractor :	AES Mechanical Services Group, Inc.
Contractor PM :	
Superintendent :	
Address :	
Contractor Job # :	
Start Date :	
Completion Date :	
Project :	
Store # :	
Store Name :	

Description of Work
Remove and replace roof top HVAC units, like for like change out. <i>Walgreens #16112</i> 722 West Independence Blvd Mount Airy, NC 27030-3574 336-789-9006
Manager's Stamps Here

Print Out Document & Have Information Below Completed By Store Manager	
1.0 Did the contractor provide sufficient notice to the Store Manager prior to arriving at the store?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
2.0 Did the contractor review the scope of work with the Store Manager prior to commencement?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
3.0 Did the contractor complete the work that is specified above in the description of work?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
4.0 Were store operations disrupted at any time?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
4.1 Was the contractor made aware of the disruptions?	<input checked="" type="checkbox"/>
4.2 Did the contractor take measures to alleviate the disruptions?	<input checked="" type="checkbox"/>
5.0 During the course of the project were any fixtures or merchandise damaged?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
5.1 Was the contractor made aware of these damages?	<input checked="" type="checkbox"/>
5.2 If Yes, explain and provide an estimate of the damages:	Roof hatch left open, storm flooded work area Contractor replaced damaged ceiling tiles
6.0 Overall performance / workmanship:	<input type="checkbox"/> Above Average <input checked="" type="checkbox"/> Average <input type="checkbox"/> Below Average
7.0 Would you recommend using this contractor again?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
8.0 Additional comments on work provided:	_____ _____ _____

Final sign off of the project will only be accepted by a Store Manager's signature (No Ops Mgr and/or LP Mgr, etc...)

Store Manager's Signature Allen Mikes

Store Manager's Name (print) Allen Mikes

Date: 8/19/24

Superintendent's Signature _____

Date: _____

Contractor PM's Signature _____

Date: _____

This form must be attached to the final invoice sent for payment

REFERENCE

General Inspection	Completed	See Notes
Unit inspected for shipping, storage, or rigging damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed with proper clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed within slope limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Refrigeration system checked for gross leaks (presence of oil)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Terminal screws and wiring connections checked for tightness	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filters installed correctly and clean	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer hoods installed in operating position	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Condensate drain trapped properly, refer to Installation Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer damper linkage tight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gas Heat vent hood installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All field wiring (power and control) complete	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Air Moving Inspection	Completed	See Notes
Alignment of drive components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Belt tension adjusted properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure switch or transducer tubing installed properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Exhaust Inspection	Powered <input type="checkbox"/>	Barometric Relief <input type="checkbox"/>	Completed	See Notes
Check hub for tightness			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check fan blade for clearance			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper rotation			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper mounting (screen faces towards unit)			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prove operation by increasing minimum setting on economizer			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Economizer Inspection	Standard <input checked="" type="checkbox"/>	BAS <input type="checkbox"/>	Completed	See Notes	
CO ₂ sensor installed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Check economizer setting	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>	<input checked="" type="checkbox"/>
Prove economizer open/close through PC or Control Module			<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Reheat Mode Normal or Alternate Not Applicable

Humidistat Location _____
 Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 3 FLA 9.6 RPM 1750
 Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____
 Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 210 Volts T2 - T3 211 Volts
 Control Voltage 24 Volts T1 - T3 211 Volts

Device	Nameplate	Measured			AMPS
		List All Three Amperages			
Supply Fan Motor ^{1,2}	9.6 AMPS	6.2	6.3	6.3	AMPS
Exhaust Motor (Dampers 100%)	5.5 AMPS				AMPS
Condenser Fan #1	2.8 AMPS	1.4	1.5	1.4	AMPS
Condenser Fan #2 (if equipped)	2.8 AMPS	1.6	1.6	1.5	AMPS
Condenser Fan #3 (if equipped)	AMPS				AMPS
Condenser Fan #4 (if equipped)	AMPS				AMPS
Compressor #1	13.2 AMPS	6.9	6.8	6.8	AMPS
Compressor #2 (if equipped)	13.2 AMPS	7.1	7.0	7.1	AMPS
Compressor #3 (if equipped)	AMPS				AMPS
Compressor #4 (if equipped)	AMPS				AMPS

- VAV units with heat section - simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
- VAV units without heat section - VAV boxes must be set to maximum design airflow position.

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Verify Proper Operation of Heating/Cooling Staging Controls

Create a cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized.	<input checked="" type="checkbox"/>
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	<input checked="" type="checkbox"/>
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	<input checked="" type="checkbox"/>

FINAL - INSPECTION

Verify that all operational control set points have been set to desired value Scroll through all setpoints and change as may be necessary to suit the occupant requirements.	<input checked="" type="checkbox"/>
Verify that all option parameters are correct Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. (Factory software settings should match the installed options)	<input checked="" type="checkbox"/>
Verify that all access panels have been closed and secured	<input checked="" type="checkbox"/>

OBSERVED PRODUCT DEFICIENCIES & CONCERNS:

Asset ID: W6000 628338

2

Walgreens HVAC START-UP & SERVICE DATA INSTRUCTION COMMERCIAL PACKAGE UNITS 3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.19.24

Customer Name: Walgreens

Address: 722 Independence Blvd

City: Mount Airy State: NC Zip: 27030

Model Number: ZJ120N18R2BSGCA2R3 Serial Number: U2M3998632

Qualified Start-up Technician: Octavius Hoffman Signature: [Signature]

HVAC Contractor: AES Mechanical Services Group, INC Phone: 334-252-0380

Address: 2171 AL HWY 229 S Tallassee, AL 36078

Contractor's E-mail Address: chase.edge@aesmech.com

WARRANTY STATEMENT

Johnson Controls/UPG is confident that this equipment will operate to the owner's satisfaction if the proper procedures are followed and checks are made at initial start-up. This confidence is supported by the 30 day dealer protection coverage portion of our standard warranty policy which states that Johnson Controls/UPG will cover parts and labor on new equipment start-up failures that are caused by a defect in factory workmanship or material, for a period of 30 days from installation. Refer to current standard warranty policy and warranty manual found on UPGnet for details.

In the event that communication with Johnson Controls/UPG is required regarding technical and/or warranty concerns, all parties to the discussion should have a copy of the equipment start-up sheet for reference. A copy of the original start-up sheet should be filed with the Technical Services Department.

The packaged unit is available in constant or variable air volume versions with a large variety of custom options and accessories available. Therefore, some variation in the startup procedure will exist depending upon the products capacity, control system, options and accessories installed.

This start-up sheet covers all startup check points common to all package equipment. In addition it covers essential startup check points for a number of common installation options. Depending upon the particular unit being started not all sections of this startup sheet will apply. Complete those sections applicable and use the notes section to record any additional information pertinent to your particular installation.

Warranty claims are to be made through the distributor from whom the equipment was purchased.

EQUIPMENT STARTUP

Simplicity PC is required to complete the start-up. Simplicity PC software can be downloaded from www.york.com.

A copy of the completed start-up sheet should be kept on file by the distributor providing the equipment and a copy sent to:

Johnson Controls/UPG
Technical Services Department
5005 York Drive
Norman, OK 73069

YES OR NO

QC Checks

Accessories installed

Float switch installed

Costgards Prepped, Kit inside Cabinet

REFERENCE

General Inspection	Completed	See Notes
Unit inspected for shipping, storage, or rigging damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed with proper clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unit installed within slope limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Refrigeration system checked for gross leaks (presence of oil)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Terminal screws and wiring connections checked for tightness	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Filters installed correctly and clean	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer hoods installed in operating position	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Condensate drain trapped properly, refer to Installation Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Economizer damper linkage tight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gas Heat vent hood installed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All field wiring (power and control) complete	<input type="checkbox"/>	<input type="checkbox"/>

Air Moving Inspection	Completed	See Notes
Alignment of drive components	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Belt tension adjusted properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure switch or transducer tubing installed properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Exhaust Inspection	Powered <input type="checkbox"/>	Barometric Relief <input checked="" type="checkbox"/>	Completed	See Notes
Check hub for tightness			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check fan blade for clearance			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper rotation			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check for proper mounting (screen faces towards unit)			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prove operation by increasing minimum setting on economizer			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Economizer Inspection	Standard <input checked="" type="checkbox"/>	BAS <input type="checkbox"/>	Completed	See Notes
CO ₂ sensor installed Yes <input type="checkbox"/> No <input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check economizer setting A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prove economizer open/close through PC or Control Module			<input checked="" type="checkbox"/>	<input type="checkbox"/>

Reheat Mode Normal or Alternate Not Applicable

Humidistat Location _____
 Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 3 FLA 9.6 RPM 1750
 Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____
 Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 212 Volts T2 - T3 211 Volts
 Control Voltage 24 Volts T1 - T3 212 Volts

Device	Nameplate	Measured			AMPS
		List All Three Amperages			
Supply Fan Motor ^{1,2}	9.6 AMPS	6.4	6.3	6.4	AMPS
Exhaust Motor (Dampers 100%)	5.5 AMPS				AMPS
Condenser Fan #1	2.8 AMPS	1.4	1.5	1.4	AMPS
Condenser Fan #2 (if equipped)	2.8 AMPS	1.5	1.5	1.3	AMPS
Condenser Fan #3 (if equipped)	AMPS				AMPS
Condenser Fan #4 (if equipped)	AMPS				AMPS
Compressor #1	13.2 AMPS	6.8	6.8	6.7	AMPS
Compressor #2 (if equipped)	13.2 AMPS	6.6	6.5	6.7	AMPS
Compressor #3 (if equipped)	AMPS				AMPS
Compressor #4 (if equipped)	AMPS				AMPS

- VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
- VAV units without heat section - VAV boxes must be set to maximum design airflow position

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Verify Proper Operation of Heating/Cooling Staging Controls

Create a cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized.	<input checked="" type="checkbox"/>
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	<input checked="" type="checkbox"/>
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	<input checked="" type="checkbox"/>

FINAL - INSPECTION

Verify that all operational control set points have been set to desired value Scroll through all setpoints and change as may be necessary to suit the occupant requirements.	<input checked="" type="checkbox"/>
Verify that all option parameters are correct Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. (Factory software settings should match the installed options)	<input checked="" type="checkbox"/>
Verify that all access panels have been closed and secured	<input checked="" type="checkbox"/>

OBSERVED PRODUCT DEFICIENCIES & CONCERNS:

Walgreens HVAC START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS 3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.19.24

Customer Name: Walgreens

Address: 722 Independence Blvd

City: Mount Airy State: NC Zip: 27030

Model Number: 25078N12R2B56CA2R3 Serial Number: U2H3820370

Qualified Start-up Technician: Octavio Hofna Signature: [Signature]

HVAC Contractor: AES Mechanical Services Group, INC Phone: 334-252-0380

Address: 2171 AL HWY 229 S Tallassee, AL 36078

Contractor's E-mail Address: chase.edge@aesmech.com

WARRANTY STATEMENT

Johnson Controls/UPG is confident that this equipment will operate to the owner's satisfaction if the proper procedures are followed and checks are made at initial start-up. This confidence is supported by the 30 day dealer protection coverage portion of our standard warranty policy which states that Johnson Controls/UPG will cover parts and labor on new equipment start-up failures that are caused by a defect in factory workmanship or material, for a period of 30 days from installation. Refer to current standard warranty policy and warranty manual found on UPGnet for details.

In the event that communication with Johnson Controls/UPG is required regarding technical and/or warranty concerns, all parties to the discussion should have a copy of the equipment start-up sheet for reference. A copy of the original start-up sheet should be filed with the Technical Services Department.

The packaged unit is available in constant or variable air volume versions with a large variety of custom options and accessories available. Therefore, some variation in the startup procedure will exist depending upon the products capacity, control system, options and accessories installed.

This start-up sheet covers all startup check points common to all package equipment. In addition it covers essential startup check points for a number of common installation options. Depending upon the particular unit being started not all sections of this startup sheet will apply. Complete those sections applicable and use the notes section to record any additional information pertinent to your particular installation.

Warranty claims are to be made through the distributor from whom the equipment was purchased.

EQUIPMENT STARTUP

Simplicity PC is required to complete the start-up. Simplicity PC software can be downloaded from www.york.com.

A copy of the completed start-up sheet should be kept on file by the distributor providing the equipment and a copy sent to:

Johnson Controls/UPG
Technical Services Department
5005 York Drive
Norman, OK 73069

YES OR NO

QC Checks /

Accessories installed /

Float switch installed /

Costguards Prepped, Kit inside Cabinet /