Blower Information

Blower Motor HP 5.25 FLA 9.9 RPM 1750

Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____

Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 474 Volts T2 - T3 473 Volts

Control Voltage 24 Volts T1 - T3 473 Volts

Device	Nameplate	Measured List All Three Amperages
Supply Fan Motor[1,2]	9.9 AMPS	5.9 6.0 6.1 AMPS
Exhaust Motor (Dampers 100%)	AMPS	AMPS
Condenser Fan #1	2.3 AMPS	1.2 1.2 1.3 AMPS
Condenser Fan #2 (if equipped)	2.3 AMPS	1.3 1.3 1.2 AMPS
Condenser Fan #3 (if equipped)	AMPS	AMPS
Condenser Fan #4 (if equipped)	AMPS	AMPS
Compressor #1	24.3 AMPS	14.1 14.0 14.2 AMPS
Compressor #2 (if equipped)	12 AMPS	7.1 7.0 6.9 AMPS
Compressor #3 (if equipped)	AMPS	AMPS
Compressor #4 (if equipped)	AMPS	AMPS

1. VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
2. 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.	☑
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	☑
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	☑

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.	☑
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)	☑
Verify that all access panels have been closed and secured	☑

OBSERVED PRODUCT DIFFICIENCIES & CONCERNS:

OPERATING MEASUREMENTS - COOLING

Stage	Discharge Pressure	Discharge Temp.	Liquid Line Temp.[1]	Subcooling[2]	Suction Pressure	Suction Temp.	Superheat
First	329 #	102 °	°	°	145 #	51 °	°
Second (if equipped)	324 #	103 °	°	°	151 #	49 °	°
Third (if equipped)	#	°	°	°	#	°	°
Fourth (if equipped)	#	°	°	°	#	°	°
Reheat 1st Stage	#	°	°	°	#	°	°

1. Liquid temperature should be taken before filter/drier.
2. Subtract 10 psi from discharge pressure for estimated liquid line pressure

Outside air temperature	105	°F db		°F wb		%RH
Return Air Temperature	73	°F db		°F wb		%RH
Mixed Air Temperature		°F db		°F wb		%RH
Supply Air Temperature	67	°F db		°F wb		%RH

REFRIGERANT SAFETIES

Action	Completed	See Notes
Prove Compressor Rotation (3 phase only) by gauge pressure	☐	☐
Prove High Pressure Safety, All Systems	☐	☐
Prove Low Pressure Safety, All Systems	☐	☐

OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: ☑ Natural Gas ☐ LP Gas

Action		Completed		See Notes
Check for gas leaks		☑		☐
Prove Ventor Motor Operation		☑		☐
Prove Primary Safety Operation		☑		☐
Prove Auxiliary Safety Operation		☑		☐
Prove Rollout Switch Operation		☑		☐
Prove Smoke Detector Operation		☑		☐
Manifold Pressure	Stage 1	4.8	IWC	☐
	Stage 2 (If Equipped)	2.6	IWC	☐
	Stage 3 (If Equipped)		IWC	☐
Supply gas pressure at full fire			IWC	☐
Check temperature rise[1]	☑ measured at full fire	109	°F	☐

1. Input X Eff. (BTU output)
   1.08 X Temp. Rise

Asset ID: WG0000 599 130

3

Walgreens HVAC
START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS

3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.27.23

Customer Name: Walgreens

Address: 10001 N MacArthur Blvd

City: Irving State: Tx Zip: 75063

Model Number: 2J6C1N0304B56CA2R4 Serial Number: N2E3656498

Qualified Start-up Technician: Octavios Hoffman 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	☑	☐
Unit installed with proper clearances	☑	☐
Unit installed within slope limitations	☑	☐
Refrigeration system checked for gross leaks (presence of oil)	☑	☐
Terminal screws and wiring connections checked for tightness	☑	☐
Filters installed correctly and clean	☑	☐
Economizer hoods installed in operating position	☑	☐
Condensate drain trapped properly, refer to Installation Manual	☑	☐
Economizer damper linkage tight	☑	☐
Gas Heat vent hood installed	☑	☐
All field wiring (power and control) complete	☑	☐

Air Moving Inspection	Completed	See Notes
Alignment of drive components	☑	☐
Belt tension adjusted properly	☑	☐
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	☑	☐
Pressure switch or transducer tubing installed properly	☑	☐

Exhaust Inspection Powered ☑ Barometric Relief ☐	Completed	See Notes
Check hub for tightness	☐	☐
Check fan blade for clearance	☑	☐
Check for proper rotation	☑	☐
Check for proper mounting (screen faces towards unit)	☑	☐
Prove operation by increasing minimum setting on economizer	☐	☐

Economizer Inspection Standard ☐ BAS ☐	Completed	See Notes
CO_2 sensor installed Yes ☑ No ☐	☑	☐
Check economizer setting A ☐ B ☐ C ☐ D ☐	☑	☐
Prove economizer open/close through PC or Control Module	☑	☐

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 3.4 RPM 1750

Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____

Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 472 Volts T2 - T3 472 Volts

Control Voltage 24 Volts T1 - T3 471 Volts

Device	Nameplate		Measured List All Three Amperages	
Supply Fan Motor[1, 2]	3.4	AMPS	2.2 2.1 2.1	AMPS
Exhaust Motor (Dampers 100%)	2.2	AMPS	1.2 1.1 1.0	AMPS
Condenser Fan #1	1.1	AMPS	.9 1.0 1.0	AMPS
Condenser Fan #2 (if equipped)	1.1	AMPS	.9 .9 1.1	AMPS
Condenser Fan #3 (if equipped)		AMPS		AMPS
Condenser Fan #4 (if equipped)		AMPS		AMPS
Compressor #1	6.0	AMPS	4.0 4.1 4.0	AMPS
Compressor #2 (if equipped)		AMPS		AMPS
Compressor #3 (if equipped)		AMPS		AMPS
Compressor #4 (if equipped)		AMPS		AMPS

1. VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
2. 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.	☑
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	☑
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	☑

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.	☑
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)	☑
Verify that all access panels have been closed and secured	☐

OBSERVED PRODUCT DIFFICIENCIES & CONCERNS:

OPERATING MEASUREMENTS - COOLING

Stage	Discharge Pressure	Discharge Temp.	Liquid Line Temp.[1]	Subcooling[2]	Suction Pressure	Suction Temp.	Superheat
First	336 #	103 °	°	°	159 #	55 °	°
Second (if equipped)	#	°	°	°	#	°	°
Third (if equipped)	#	°	°	°	#	°	°
Fourth (if equipped)	#	°	°	°	#	°	°
Reheat 1st Stage	#	°	°	°	#	°	°

1. Liquid temperature should be taken before filter/drier.
2. Subtract 10 psi from discharge pressure for estimated liquid line pressure

Outside air temperature	104	°F db		°F wb		%RH
Return Air Temperature	74	°F db		°F wb		%RH
Mixed Air Temperature		°F db		°F wb		%RH
Supply Air Temperature	67	°F db		°F wb		%RH

REFRIGERANT SAFETIES

Action	Completed	See Notes
Prove Compressor Rotation (3 phase only) by gauge pressure	☐	☐
Prove High Pressure Safety, All Systems	☐	☐
Prove Low Pressure Safety, All Systems	☐	☐

OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: ☑ Natural Gas ☐ LP Gas

Action		Completed	See Notes
Check for gas leaks		☑	☐
Prove Ventor Motor Operation		☑	☐
Prove Primary Safety Operation		☑	☐
Prove Auxiliary Safety Operation		☑	☐
Prove Rollout Switch Operation		☑	☐
Prove Smoke Detector Operation		☑	☐
Manifold Pressure	Stage 1	3.5 IWC	☐
	Stage 2 (If Equipped)	2.1 IWC	☐
	Stage 3 (If Equipped)	IWC	☐
Supply gas pressure at full fire		IWC	☐
Check temperature rise[1]	☑ measured at full fire	106 °F	☐

1. Input X Eff. (BTU output) / 1.08 X Temp. Rise

Asset ID: W66000 599137

4

Walgreens HVAC
START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS

3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.27.23

Customer Name: Walgreens

Address: 10001 N MacArthur Blvd

City: Irving State: TX Zip: 75063

Model Number: 2503TC00D4B5GCA2R4 Serial Number: N21E36776891

Qualified Start-up Technician: Octavious Hoffman 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	☑	☐
Unit installed with proper clearances	☑	☐
Unit installed within slope limitations	☑	☐
Refrigeration system checked for gross leaks (presence of oil)	☑	☐
Terminal screws and wiring connections checked for tightness	☑	☐
Filters installed correctly and clean	☐	☐
Economizer hoods installed in operating position	☐	☐
Condensate drain trapped properly, refer to Installation Manual	☑	☐
Economizer damper linkage tight	☑	☐
Gas Heat vent hood installed	☑	☐
All field wiring (power and control) complete	☐	☐

Air Moving Inspection	Completed	See Notes
Alignment of drive components	☑	☐
Belt tension adjusted properly	☑	☐
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	☑	☐
Pressure switch or transducer tubing installed properly	☑	☐

Exhaust Inspection Powered ☑ Barometric Relief ☐	Completed	See Notes
Check hub for tightness	☐	☐
Check fan blade for clearance	☐	☐
Check for proper rotation	☐	☐
Check for proper mounting (screen faces towards unit)	☐	☐
Prove operation by increasing minimum setting on economizer	☐	☐

Economizer Inspection Standard ☐ BAS ☐	Completed	See Notes
CO_2 sensor installed Yes ☑ No ☐	☐	☐
Check economizer setting A ☐ B ☐ C ☐ D ☐	☐	☐
Prove economizer open/close through PC or Control Module	☐	☐

Reheat Mode Normal ☑ or Alternate ☐ Not Applicable ☐

Humidistat Location _____

Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 1.5 FLA 2.6 RPM 1725

Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____

Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 474 Volts T2 - T3 474 Volts

Control Voltage 24 Volts T1 - T3 473 Volts

Device	Nameplate	Measured List All Three Amperages
Supply Fan Motor[1,2]	2.6 AMPS	1.2 1.3 1.3 AMPS
Exhaust Motor (Dampers 100%)	2.2 AMPS	1.1 1.0 1.0 AMPS
Condenser Fan #1	1.1 AMPS	.9 .9 1.0 AMPS
Condenser Fan #2 (if equipped)	AMPS	AMPS
Condenser Fan #3 (if equipped)	AMPS	AMPS
Condenser Fan #4 (if equipped)	AMPS	AMPS
Compressor #1	4.0 AMPS	2.7 2.8 2.7 AMPS
Compressor #2 (if equipped)	AMPS	AMPS
Compressor #3 (if equipped)	AMPS	AMPS
Compressor #4 (if equipped)	AMPS	AMPS

1. VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
2. 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.	☑
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	☑
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	☑

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.	☑
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)	☑
Verify that all access panels have been closed and secured	☑

OBSERVED PRODUCT DIFFICIENCIES & CONCERNS:

OPERATING MEASUREMENTS - COOLING

Stage	Discharge Pressure	Discharge Temp.	Liquid Line Temp.[1]	Subcooling[2]	Suction Pressure	Suction Temp.	Superheat
First	333 #	104 °	°	°	159 #	55 °	°
Second (if equipped)	#	°	°	°	#	°	°
Third (if equipped)	#	°	°	°	#	°	°
Fourth (if equipped)	#	°	°	°	#	°	°
Reheat 1st Stage	#	°	°	°	#	°	°

1. Liquid temperature should be taken before filter/drier.
2. Subtract 10 psi from discharge pressure for estimated liquid line pressure

Outside air temperature	105	°F db		°F wb		%RH
Return Air Temperature	74	°F db		°F wb		%RH
Mixed Air Temperature		°F db		°F wb		%RH
Supply Air Temperature	62	°F db		°F wb		%RH

REFRIGERANT SAFETIES

Action	Completed	See Notes
Prove Compressor Rotation (3 phase only) by gauge pressure	☐	☐
Prove High Pressure Safety, All Systems	☐	☐
Prove Low Pressure Safety, All Systems	☐	☐

OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: ☑ Natural Gas ☐ LP Gas

Action		Completed		See Notes
Check for gas leaks		☑		☐
Prove Ventor Motor Operation		☑		☐
Prove Primary Safety Operation		☐		☐
Prove Auxiliary Safety Operation		☑		☐
Prove Rollout Switch Operation		☑		☐
Prove Smoke Detector Operation		☑		☐
Manifold Pressure	Stage 1	3.5	IWC	☐
	Stage 2 (If Equipped)	2.1	IWC	☐
	Stage 3 (If Equipped)		IWC	☐
Supply gas pressure at full fire			IWC	☐
Check temperature rise[1]	☑ measured at full fire	107	°F	☐

1. Input X Eff. (BTU output) / 1.08 X Temp. Rise

Asset ID: W60060 599110

EH-1

Walgreens HVAC
START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS

3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8-27-23

Customer Name: Walgreens

Address: 10001 N MacArthur Blvd

City: Irving State: Tx Zip: 75063

Model Number: PV15 Serial Number: A230199827100100 1

Qualified Start-up Technician: Antonios Hoffman 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.

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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	☑	☐
Unit installed with proper clearances	☑	☐
Unit installed within slope limitations	☑	☐
Refrigeration system checked for gross leaks (presence of oil)	☐	☐
Terminal screws and wiring connections checked for tightness	☑	☐
Filters installed correctly and clean	☐	☐
Economizer hoods installed in operating position	☐	☐
Condensate drain trapped properly, refer to Installation Manual	☐	☐
Economizer damper linkage tight	☐	☐
Gas Heat vent hood installed	☑	☐
All field wiring (power and control) complete	☑	☐

Air Moving Inspection	Completed	See Notes
Alignment of drive components	☐	☐
Belt tension adjusted properly	☐	☐
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	☐	☐
Pressure switch or transducer tubing installed properly	☐	☐

Exhaust Inspection Powered ☐ Barometric Relief ☐	Completed	See Notes
Check hub for tightness	☐	☐
Check fan blade for clearance	☐	☐
Check for proper rotation	☐	☐
Check for proper mounting (screen faces towards unit)	☐	☐
Prove operation by increasing minimum setting on economizer	☐	☐

Economizer Inspection Standard ☐ BAS ☐	Completed	See Notes
CO_2 sensor installed Yes ☐ No ☑	☐	☐
Check economizer setting A ☐ B ☐ C ☐ D ☐	☐	☐
Prove economizer open/close through PC or Control Module	☐	☐

Reheat Mode Normal ☑ or Alternate ☐ Not Applicable ☐

Humidistat Location _____

Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 3/4 FLA 5.4 RPM 1750

Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____

Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 207 Volts T2 - T3 208 Volts

Control Voltage 24 Volts T1 - T3 209 Volts

Device	Nameplate	Measured List All Three Amperages
Supply Fan Motor[1,2]	5.4 AMPS	2.4 2.5 2.5 AMPS
Exhaust Motor (Dampers 100%)	AMPS	AMPS
Condenser Fan #1	AMPS	AMPS
Condenser Fan #2 (if equipped)	AMPS	AMPS
Condenser Fan #3 (if equipped)	AMPS	AMPS
Condenser Fan #4 (if equipped)	AMPS	AMPS
Compressor #1	AMPS	AMPS
Compressor #2 (if equipped)	AMPS	AMPS
Compressor #3 (if equipped)	AMPS	AMPS
Compressor #4 (if equipped)	AMPS	AMPS

1. VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
2. 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.	☑
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	☑
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	☑

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.	☑
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)	☑
Verify that all access panels have been closed and secured	☑

OBSERVED PRODUCT DIFFICIENCIES & CONCERNS:

OPERATING MEASUREMENTS - COOLING

Stage	Discharge Pressure	Discharge Temp.	Liquid Line Temp.[1]	Subcooling[2]	Suction Pressure	Suction Temp.	Superheat
First	#	°	°	°	#	°	°
Second (if equipped)	#	°	°	°	#	°	°
Third (if equipped)	#	°	°	°	#	°	°
Fourth (if equipped)	#	°	°	°	#	°	°
Reheat 1st Stage	#	°	°	°	#	°	°

1. Liquid temperature should be taken before filter/drier.
2. Subtract 10 psi from discharge pressure for estimated liquid line pressure

Outside air temperature	_____	°F db	_____	°F wb	_____	%RH
Return Air Temperature	_____	°F db	_____	°F wb	_____	%RH
Mixed Air Temperature	_____	°F db	_____	°F wb	_____	%RH
Supply Air Temperature	_____	°F db	_____	°F wb	_____	%RH

REFRIGERANT SAFETIES

Action	Completed	See Notes
Prove Compressor Rotation (3 phase only) by gauge pressure	☐	☐
Prove High Pressure Safety, All Systems	☐	☐
Prove Low Pressure Safety, All Systems	☐	☐

OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: ☑ Natural Gas ☐ LP Gas

Action		Completed	See Notes
Check for gas leaks		☑	☐
Prove Ventor Motor Operation		☑	☐
Prove Primary Safety Operation		☑	☐
Prove Auxiliary Safety Operation		☑	☐
Prove Rollout Switch Operation		☑	☐
Prove Smoke Detector Operation		☑	☐
Manifold Pressure	Stage 1	2.1 IWC	☐
	Stage 2 (If Equipped)	3.5 IWC	☐
	Stage 3 (If Equipped)	IWC	☐
Supply gas pressure at full fire		IWC	☐
Check temperature rise[1]	☐ measured at full fire	110 °F	☐

1. Input X Eff. (BTU output)
   1.08 X Temp. Rise

Asset ID: WL00006 599115

1

Walgreens HVAC
START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS
3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.27.23

Customer Name: Walgreens

Address: 10001 N MACArthur Blvd

City: Irving State: Tx Zip: 75063

Model Number: AW15N3D04S1C0S3242 Serial Number: N2G3760766

Qualified Start-up Technician: Octavious Hoffman 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	☑	☐
Unit installed with proper clearances	☑	☐
Unit installed within slope limitations	☑	☐
Refrigeration system checked for gross leaks (presence of oil)	☑	☐
Terminal screws and wiring connections checked for tightness	☑	☐
Filters installed correctly and clean	☑	☐
Economizer hoods installed in operating position	☑	☐
Condensate drain trapped properly, refer to Installation Manual	☑	☐
Economizer damper linkage tight	☑	☐
Gas Heat vent hood installed	☑	☐
All field wiring (power and control) complete	☑	☐

Air Moving Inspection	Completed	See Notes
Alignment of drive components	☑	☐
Belt tension adjusted properly	☑	☐
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	☑	☐
Pressure switch or transducer tubing installed properly	☑	☐

Exhaust Inspection Powered ☐ Barometric Relief ☐	Completed	See Notes
Check hub for tightness	☑	☐
Check fan blade for clearance	☑	☐
Check for proper rotation	☑	☐
Check for proper mounting (screen faces towards unit)	☑	☐
Prove operation by increasing minimum setting on economizer	☑	☐

Economizer Inspection Standard ☐ BAS ☐	Completed	See Notes
CO_2 sensor installed Yes ☐ No ☑	☐	☐
Check economizer setting A ☐ B ☐ C ☐ D ☐	☐	☐
Prove economizer open/close through PC or Control Module	☑	☐

Reheat Mode Normal ☑ or Alternate ☐ Not Applicable ☐

Humidistat Location _____

Note: BAS System Control Reheat through Intellicomfort/VAV Board

Blower Information

Blower Motor HP 5.25 FLA 9.9 RPM 1750

Pulley Pitch Diameter _____ Turns Out _____ Final Turns Out _____

Blower Pulley Pitch Diameter _____ Fixed Sheave _____

ELECTRICAL DATA

T1 - T2 474 Volts T2 - T3 475 Volts

Control Voltage 24 Volts T1 - T3 475 Volts

Device	Nameplate		Measured List All Three Amperages			
Supply Fan Motor[1, 2]	9.9	AMPS	6.1	5.9	6.0	AMPS
Exhaust Motor (Dampers 100%)		AMPS				AMPS
Condenser Fan #1	2.3	AMPS	1.2	1.4	1.3	AMPS
Condenser Fan #2 (if equipped)	2.3	AMPS	1.2	1.2	1.3	AMPS
Condenser Fan #3 (if equipped)		AMPS				AMPS
Condenser Fan #4 (if equipped)		AMPS				AMPS
Compressor #1	24.5	AMPS	13.9	13.8	13.7	AMPS
Compressor #2 (if equipped)	12	AMPS	5.9	6.0	6.1	AMPS
Compressor #3 (if equipped)		AMPS				AMPS
Compressor #4 (if equipped)		AMPS				AMPS

1. VAV units with heat section simulate heat call to drive VAV boxes and VFD IGV to maximum design airflow position.
2. 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.	☑
Create a heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized.	☑
Verify Proper Operation of the Variable Frequency Drive (If Required)	
Verify that motor speed modulates with duct pressure change.	☑

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.	☑
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)	☑
Verify that all access panels have been closed and secured	☑

OBSERVED PRODUCT DIFFICIENCIES & CONCERNS:

OPERATING MEASUREMENTS - COOLING

Stage	Discharge Pressure	Discharge Temp.	Liquid Line Temp.[1]	Subcooling[2]	Suction Pressure	Suction Temp.	Superheat
First	360 #	108 °	°	°	144 #	50 °	°
Second (if equipped)	363 #	108 °	°	°	139 #	49 °	°
Third (if equipped)	#	°	°	°	#	°	°
Fourth (if equipped)	#	°	°	°	#	°	°
Reheat 1st Stage	#	°	°	°	#	°	°

1. Liquid temperature should be taken before filter/drier.
2. Subtract 10 psi from discharge pressure for estimated liquid line pressure

Outside air temperature	105	°F db		°F wb		%RH
Return Air Temperature	74	°F db		°F wb		%RH
Mixed Air Temperature		°F db		°F wb		%RH
Supply Air Temperature	66	°F db		°F wb		%RH

REFRIGERANT SAFETIES

Action	Completed	See Notes
Prove Compressor Rotation (3 phase only) by gauge pressure	☑	☐
Prove High Pressure Safety, All Systems	☑	☐
Prove Low Pressure Safety, All Systems	☑	☐

OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: ☑ Natural Gas ☐ LP Gas

Action		Completed		See Notes
Check for gas leaks		☑		☐
Prove Ventor Motor Operation		☑		☐
Prove Primary Safety Operation		☑		☐
Prove Auxiliary Safety Operation		☑		☐
Prove Rollout Switch Operation		☑		☐
Prove Smoke Detector Operation		☑		☐
Manifold Pressure	Stage 1	4.8	IWC	☐
	Stage 2 (If Equipped)	2.6	IWC	☐
	Stage 3 (If Equipped)		IWC	☐
Supply gas pressure at full fire			IWC	☐
Check temperature rise[1]	☑ measured at full fire	110	°F	☐

1. Input X Eff. (BTU output)
   1.08 X Temp. Rise

Asset ID: WG00000 599 153

2

Walgreens HVAC
START-UP & SERVICE DATA INSTRUCTION

COMMERCIAL PACKAGE UNITS

3.0 To 40.0 TONS

START-UP CHECKLIST

Date: 8.27.2023

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Address: 10001 N MacArthur Blvd

City: Irving State: TX Zip: 75063

Model Number: AW1SN3DQ451CDS62A2 Serial Number: N263748356

Qualified Start-up Technician: Octavious Hoffman 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

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Economizer hoods installed in operating position	☑	☐
Condensate drain trapped properly, refer to Installation Manual	☑	☐
Economizer damper linkage tight	☑	☐
Gas Heat vent hood installed	☑	☐
All field wiring (power and control) complete	☑	☐

Air Moving Inspection	Completed	See Notes
Alignment of drive components	☑	☐
Belt tension adjusted properly	☑	☐
Blower pulleys tight on shaft, bearing set screws tight, wheel tight to shaft	☑	☐
Pressure switch or transducer tubing installed properly	☑	☐

Exhaust Inspection Powered ☑ Barometric Relief ☐	Completed	See Notes
Check hub for tightness	☑	☐
Check fan blade for clearance	☑	☐
Check for proper rotation	☑	☐
Check for proper mounting (screen faces towards unit)	☑	☐
Prove operation by increasing minimum setting on economizer	☑	☐

Economizer Inspection Standard ☐ BAS ☐	Completed	See Notes
CO_2 sensor installed Yes ☑ No ☐	☑	☐
Check economizer setting A ☐ B ☐ C ☐ D ☐	☑	☐
Prove economizer open/close through PC or Control Module	☑	☐

Reheat Mode Normal ☑ or Alternate ☐ Not Applicable ☐

Humidistat Location _____

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