SUBMITTAL DATA

Order #: Date: 10/03/2019

Project: Kohls 10472 - Lees Summit, MO- Rev 1

Project #:

Submitter: Matthew Mcnair

DXFD-UPG National Accounts

5005 York Drive,

Norman, Oklahoma 73069

(405) 419-6543

Date

10/03/2019

Project Name

Kohls 10472 - Lees Summit, MO- Rev 1

Project Number Client / Purchaser

Submittal Summary Page

Qty	Tag #	Model #	Description
8	AC- 1 thru 8	ZJ240S30R4D5BCAKG1	20 Ton, York Large Sunline Single Packaged R-410A Air Conditioner, Four Stage Cooling, 11.0 EER, 300 MBH Input Stainless Steel, Two Stage Gas Heat, 460-3-60, Single Wall Construction IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10. Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511) T.5 HP High Static Belt Drive Blower "Introwaway Filters Smart Equipment Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors. BACNet MS/TP, Modbus and N2 Communication Card. Non Powered Convenience Outlet (110 VAC) HACR Circuit Breaker/Disconnect Phase Monitor Standard Condenser Coil Stainless Steel Drain Pan Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels
1	AC- 9	ZJ180S30P4D5BCAKG1	15 Ton, York Large Sunline Single Packaged R-410A Air Conditioner, Four Stage Cooling, 12.2 EER, 300 MBH Input Stainless Steel, Two Stage Gas Heat, 460-3-60, Single Wall Construction IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10. Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511) HP Standard Static Belt Drive Blower Throwaway Filters Smart Equipment Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors. BACNet MS/TP, Modbus and N2 Communication Card. Non Powered Convenience Outlet (110 VAC) HACR Circuit Breaker/Disconnect

Qty	Tag #	Model #	Description
			Phase Monitor
			Standard Condenser Coil
			Standard Evaporator Coil
			Stainless Steel Drain Pan
			Hinged & Tool Free Filter, Blower, Motor and Electrical Access
			Panels
1	Office Unit	YK-AN-RSO C-W	Space Sensor w/Cool-Warm & Override
8		A-AN-RO York-JCI Log o	Space Sensor w/ Override
1	AC- 9	1RC0497	Roof Curb 14" High Full Perimeter Transition Curb with wood nailer. Allow replacement of ZF180 / J15ZF / ZS-15 / ZST15 with other Large Sunline product.
9	AC- 1 thru 9	10-KOHLS-S-CLIP-5020	15-25 T S' Hold Down Clips Set (6)

Equipment start-up and commissioning by a factory trained technician is recommended. Contact your supplying distributor or sales representative for additional information & guidance.





York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC-1 thru 8 System: ZJ240S30R4D5BCAKG1

Cooling Performance	ce	
Total gross capacity		MBH
Sensible gross capacity		MBH
Total net capacity		MBH
Sensible net capacity		MBH
Efficiency (at ARI)		EER
Integrated eff. (at ARI)	12.50 95.0	IEER °E
Ambient DB temp. Entering DB temp.	80.0	
Entering WB temp.	67.0	
Leaving DB temp.	58.2	
Leaving WB temp.	56.8	
Power input (w/o blower)	18.30	
Sound power		dB(A)
Refrigerant		
Refrigerant type	R-410A	
Sys1	12 lbs	
Sys2	13 lbs	
Sys3	12 lbs	
Sys4	12 _{lbs}	
Gas Heating Performa		
Entering DB temp.		°F
Heating output capacity (Max)		MBH
Supply air Heating input capacity (Max)		CFM MBH
Leaving DB temp.	87.8	
Air temp. rise	27.8	
SSE	80.0	
Stages	2	
Supply Air Blower Perfor	mance	
Supply air		CFM
Ext. static pressure	0.6	IWG
Addl. Unit Losses (Options/Accessories)		IWG
Blower speed	925	RPM
Max BHP of Motor (including service factor)	8.63	
Duct location	Bottom	
Motor rating		HP
Actual required BHP		HP
Power input		kW ft.
Elevation Drive type	BELT	
	DLLI	
Electrical Data	460.2.00	
Power supply Unit min circuit ampacity	460-3-60	Amps
Unit max over-current protection		Amps
Dimensions & Weig		лпра
Hgt 53 in. Len 181 in.		12 in
Weight with factory installed options		2 in. 7 lbs.
Clearances	317	, 103.
		<u> </u>
Right 36 in. Front 36 in.	Rear 4	9 in.



0 in.

Left

36 in.

Bottom

Top

72 in.



20 Tor

 York Sunline Units are Manufactured at an ISO 9001 Registered Facility and Each Rooftop is Completely Computer-Run Tested Prior to Shipment.

Unit Features

- · Four Stage Cooling
- · 300 MBH Input Stainless Steel, Two Stage Gas Heat
- Unit Cabinet Constructed of Powder Painted Steel, Certified At 750 Hours Salt Spray Test (ASTM B-117 Standards).
- Either Supply and/or Return can be Field Converted from Vertical to Horizontal Configuration without Cutting Panels
- Full Perimeter Base Rails with Built in Rigging Capabilities
- Four Independent Refrigerant Circuits for Efficient Part Load Operation with Scroll Compressors
- Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511)
- 7.5 HP High Static Belt Drive Blower
- Solid Core Liquid Line Filter Driers
- Unit Ships with 2" Throwaway Filters
- Replacement Filters: For 2" filters 12 (12" x 24" x 2") OR For 4" filters 2 (20" X 24" x 4") AND 4 (24" X 24" x 4")
- Non Powered Convenience Outlet (110 VAC)
- HACR Circuit Breaker/Disconnect
- · Single Point Power Connection
- Through-the-Curb and Through-The-Base Utility Connections
- Short Circuit Current: 5kA RMS Symmetrical
- Phase Monitor
- Standard Condenser Coil
- Standard Evaporator Coil
- · Crane Required to Unload Unit
- Stainless Steel Drain Pan
- Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels

BAS Controller

- IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10.
- Smart Equipment Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors. BACNet MS/TP, Modbus and N2 communication card.

Standard Unit Controller: Smart Equipment Control Board

- Safety Monitoring Monitors the High and Low-Pressure Switches, the Freezestats, the Gas Valve, if Applicable, and the Temperature Limit Switch on Gas and Electric Heat Units. The Unit Control Board will Alarm on Ignition Failures, Safety Lockouts and Repeated Limit Switch Trips.
- An Integrated Low-Ambient Control, Anti-Short Cycle Protection, Lead-Lag, Fan On and Fan off Delays, Low Voltage Protection, On-Board Diagnostic and Fault Code Display. Allows all units to operate in the cooling mode down to 0 °F outdoor ambient without additional components or intervention.

Warranty



York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC-1 thru 8 System: ZJ240S30R4D5BCAKG1

- One (1) Year Limited Warranty on the Complete Unit
- Five (5) Year Warranty Compressors and Electric Heater Elements
- Fifteen (15) Year Warranty Stainless Steel Tubular Heat Exchangers



York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC-1 thru 8 System: ZJ240S30R4D5BCAKG1

Factory Installed Options

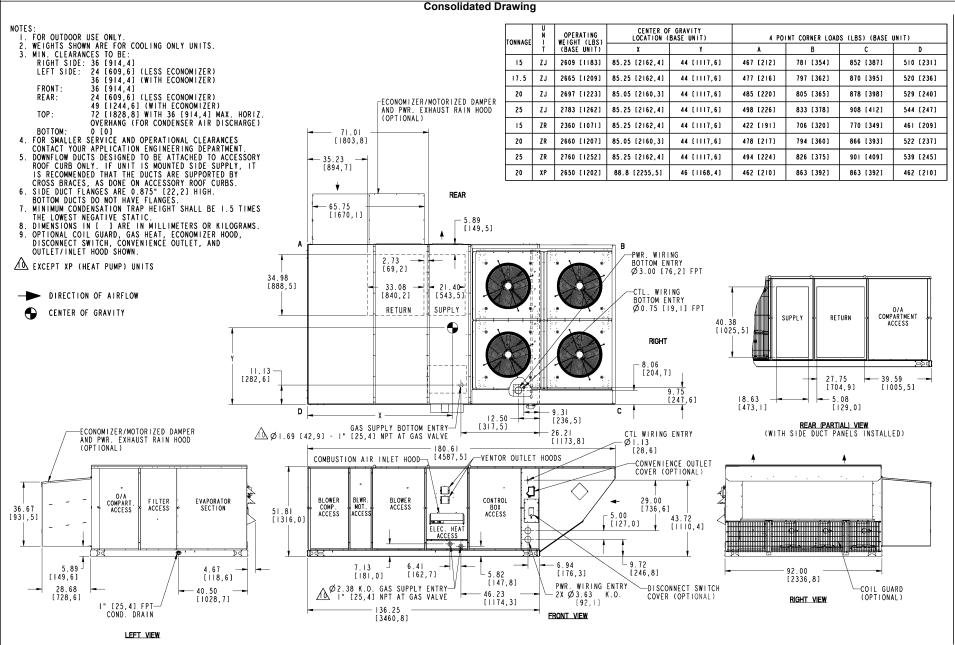
ZJ240S30R4D5BCAKG1

Equipment Options		Option(s) Selected	
Product Category:	ZJ	York Large Sunline Single Packaged R-410A Air Conditioner 11.0 EER	
Nominal Cooling Capacity:	240	20 Ton Four Stage Cooling	
Heat Type and Nominal Heat Capacity:	S30	300 MBH Input Stainless Steel, Two Stage Gas Heat	
Blower Option:		IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10. 7.5 HP High Static Belt Drive Blower	
Voltage:	4	460-3-60	
Outside Air Option: Service Options: 5		Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511)	
		Non Powered Convenience Outlet (110 VAC) HACR Circuit Breaker/Disconnect	
Sensor Options:	В	Phase Monitor	
Controls:	Controls: C Smart Equipment Controls: C Return Air, and Outon BACNet MS/TP, Moo		
Refrigeration:	Α	Standard Condenser Coil Standard Evaporator Coil	
Additional Options:	K	2" Throwaway Filters	
Cabinet Options:		Single Wall Construction Stainless Steel Drain Pan Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels	
Product Generation:	1		

York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC-1 thru 8 System: ZJ240S30R4D5BCAKG1

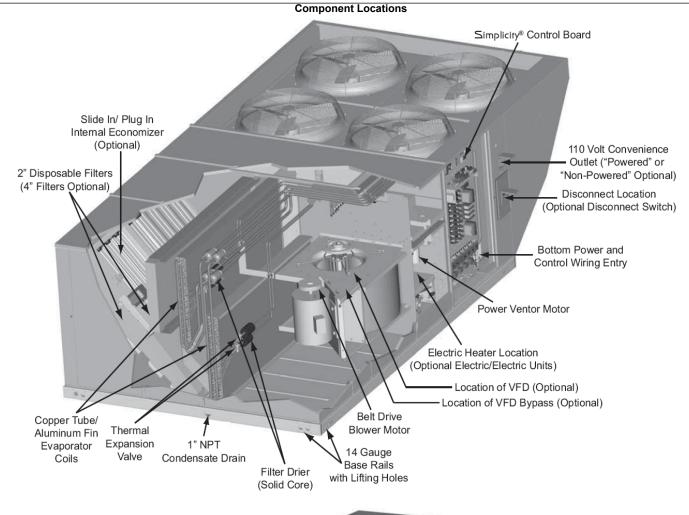


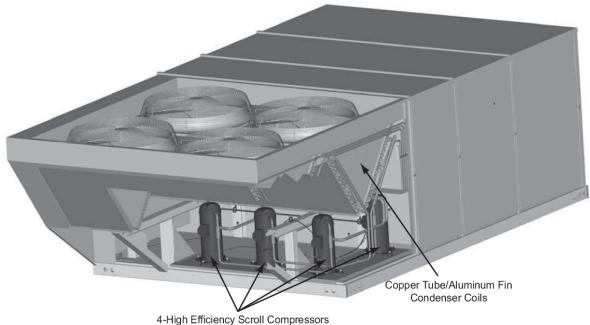


York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC- 1 thru 8 System: ZJ240S30R4D5BCAKG1





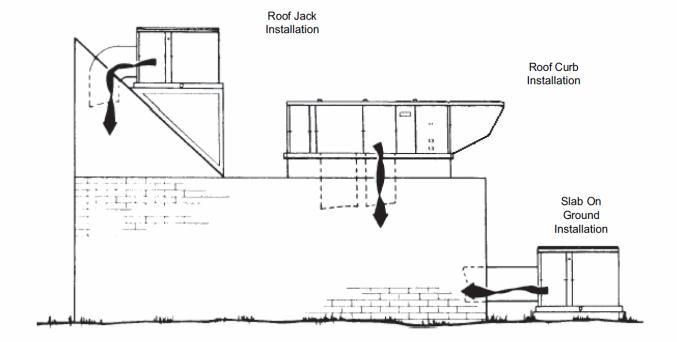


York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC-1 thru 8 System: ZJ240S30R4D5BCAKG1

Typical Application





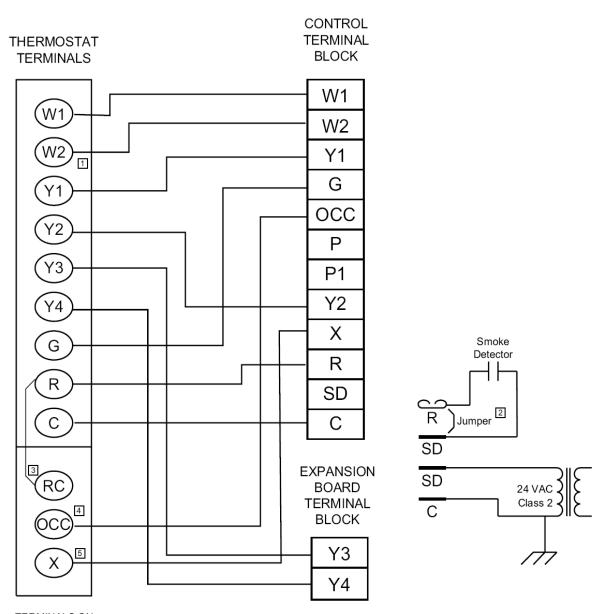
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York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC- 1 thru 8 System: ZJ240S30R4D5BCAKG1

Typical Control Diagram



TERMINALS ON A LIMITED NUMBER OF THERMOSTATS

- 1 Second stage heating not required on single stage heating units.
- 2 Jumper is required if there is no Smoke Detector circuit.
- 3 Jumper is required for any combination of R, RC, or RH.
- 4 OCC is an output from the thermostat to indicate the Occupied condition.
- 5 X is an input to the thermostat to display Error Status conditions.



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York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC- 1 thru 8 System: ZJ240S30R4D5BCAKG1

Seismic Certification

835356-UAD-A-0112



SPECIAL SEISMIC CERTIFICATION
OF NON-STRUCTURAL
COMPONENTS AND SYSTEMS



CERTIFICATE OF COMPLIANCE

Dynamic Certification Laboratories has qualified the listed packaged rooftop units as CERTIFIED for seismic applications in accordance with the following codes and standards:

CBC 2010, IBC 2009, ICC-ES AC-156 2010, ASCE 7-05

The following model designations are included in this certification. A complete list of certified models, options, and installation methods are detailed in report number 90300-1108b by Dynamic Certification Laboratories, provided by the equipment manufacturer upon request.

Unitary Product Group Packaged Rooftop Units (UPG)

Seismic Qualification Testing was conducted in accordance with and in strict adherence to the standards set forth within the American Society of Civil Engineers (ASCE 7) by the independent approval agency, Dynamic Certification Laboratories. The above referenced equipment is APPROVED for seismic applications when properly installed and used as intended.

The basis of this certification is through testing of the active and energized components per AC156. This certification covers multiple UPG brands, including York, Johnson Controls, Coleman, Luxaire, Evcon and Fraser-Johnston.

The seismic values are obtained from the Maximum Considered Earthquake Short Period Spectral Response Acceleration, Sds, as determined by the ASCE 7 seismic maps. Various installation locations/isolation configurations are covered under this certification, limited by the Sds value stated in the following table. A seismic importance factor, Ip, of 1.5 applies to this certification to include essential facility requirements and life safety applications for post event functionality. The units are approved for both a rigid and flexible mount configuration.

Maximum Design Sds Values of UPG Packaged Rooftop Units				
Series	Size	Tons	Sds (g)	Fp/Wp
ZF/ZS 180/J**ZF/T*	180 (48")	15	2.0	1.5
ZF/ZS/J**ZF/T*	210, 240, 300 (53")	17.5, 20, 25	2.0	1.5
XP/XA/J**XP/T*180	180 (53")	15	2.0	1.5
XP/XA/J**XP/T*240	240 (53")	20	2.0	1.5
ZJ/ZW/J**ZJ/T*	180, 210, 240, 300 (53")	15, 17.5, 20, 25	2.0	1.5
ZR/ZK 180/J**ZR/T*	240, 300 (53")	15, 20, 25	2.0	1.5

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Dynamic Certification Laboratories 1315 Greg Street, Suite 109, Sparks, NV 89431 – ph: 775-358-5085

www.shaketest.com



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York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ240S30R4D5BCAKG1

Quantity: 8 Tag #: AC- 1 thru 8 System: ZJ240S30R4D5BCAKG1

Seismic Certification



SPECIAL SEISMIC CERTIFICATION OF NON-STRUCTURAL COMPONENTS AND SYSTEMS



CERTIFICATE OF COMPLIANCE

Table of Seismic Design Parameters					
Site Class F _a I _p a _p R _p					
D	1.0	1.5	2.5	6.0	1.0

Site and Project Requirements

It is the responsibility of the Design Professional of Record to:

- Provide engineering for the anchorage and restraint of the unit
- Validate Certification Design Parameters with actual site conditions
- Provide engineering of all equipment support structures
- Confirm component configuration

Certification Issued by: Dynamic Certification Laboratories

Document Control Number: 90300-1108b-1

Issue Date: 12/19/11

PROFESSIONAL STATE OF THE PROPERTY OF THE PROP

Dr. Ahmad Itani, SE
Dynamic Certification Laboratories

Randy Forristall
YORK Unitary Engineering
Johnson Controls, Incorporated

Page 2 of 2

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York Single Package R-410A Air Conditioner

Unit Model #: ZJ180S30P4D5BCAKG1 Project Name: Kohls 10472 - Lees Summit, MO-Rev 1 Quantity: 1 Tag #: AC-9 System: ZJ180S30P4D5BCAKG1

Cooling Performance	
Total gross capacity	188.2 MBH
Sensible gross capacity	136.6 MBH
Total net capacity	177.0 MBH
Sensible net capacity	125.4 MBH
Efficiency (at ARI)	12.20 EER
Integrated eff. (at ARI)	14.00 IEER
Ambient DB temp.	95.0 °F
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Leaving DB temp.	58.9 °F
Leaving WB temp.	57.1 °F
Power input (w/o blower)	12.90 kW
Sound power	92 dB(A)
Refrigerant	

1.0111	gorant
Refrigerant type	R-410A
Sys1	12 lbs
Sys2	11 lbs 12 oz
Sys3	12 _{lbs} 4 oz
Sys4	13 _{lbs} 8 oz
	-

Entering DB temp. 60 °F Heating output capacity (Max) 240 MBH Supply air 6000 CFM Heating input capacity (Max) 300 MBH Leaving DB temp. 97.0 °F Air temp. rise 37.0 °F SSE 80.0 % Stages 2	Gas Heating Performance	
Supply air 6000 CFM Heating input capacity (Max) 300 MBH Leaving DB temp. 97.0 °F Air temp. rise 37.0 °F SSE 80.0 %	Entering DB temp.	60 °F
Heating input capacity (Max) Leaving DB temp. Air temp. rise SSE 300 MBH 97.0 °F 37.0 °F 80.0 %	Heating output capacity (Max)	240 MBH
Leaving DB temp. 97.0 °F Air temp. rise 37.0 °F SSE 80.0 %	Supply air	6000 CFM
Air temp. rise 37.0 °F SSE 80.0 %	Heating input capacity (Max)	300 MBH
SSE 80.0 %	Leaving DB temp.	97.0 °F
	Air temp. rise	37.0 °F
Stages 2	SSE	80.0 %
	Stages	2

Supply Air Blower Performa	ance
Supply air	6000 CFM
Ext. static pressure	0.3 IWG
Addl. Unit Losses (Options/Accessories)	0.1 IWG
Blower speed	930 RPM
Max BHP of Motor (including service factor)	5.75 HP
Duct location	Bottom
Motor rating	5.00 HP
Actual required BHP	3.64 HP
Power input	3.27 kW
Elevation	0 ft.
Drive type	BELT

Electrical Data	
Power supply	460-3-60
Unit min circuit ampacity	37.6 Amps
Unit max over-current protection	40 Amps
Dimonsions & Woight	

Dim	τ			
Hgt 53 in. Le Weight with factory install	n 181 in.	Wth 92 i	n.	
Weight with factory install	ed options	3084 I	bs.	
Clearances				

Right Top	36 in.	Front	36 in.	Rear	49 in.	
Top	72 in.	Bottom	0 in.	Left	36 in.	
Note: Discount of the test wild for listed according to the test of the test o						

Please refer to the tech guide for listed maximum static pressures











 York Sunline Units are Manufactured at an ISO 9001 Registered Facility and Each Rooftop is Completely Computer-Run Tested Prior to Shipment.

Unit Features

- · Four Stage Cooling
- · 300 MBH Input Stainless Steel, Two Stage Gas Heat
- · Unit Cabinet Constructed of Powder Painted Steel, Certified At 750 Hours Salt Spray Test (ASTM B-117 Standards).
- Either Supply and/or Return can be Field Converted from Vertical to Horizontal Configuration without Cutting Panels
- Full Perimeter Base Rails with Built in Rigging Capabilities
- Four Independent Refrigerant Circuits for Efficient Part Load Operation with Scroll Compressors
- Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511)
- 5 HP Standard Static Belt Drive Blower
- · Solid Core Liquid Line Filter Driers
- Unit Ships with 2" Throwaway Filters
- Replacement Filters: For 2" filters 12 (12" x 24" x 2") OR For 4" filters 2 -(20" X 24" x 4") AND 4 - (24" X 24" x 4")
- Non Powered Convenience Outlet (110 VAC)
- · HACR Circuit Breaker/Disconnect
- Single Point Power Connection
- Through-the-Curb and Through-The-Base Utility Connections
- Short Circuit Current: 5kA RMS Symmetrical
- Phase Monitor
- Standard Condenser Coil
- Standard Evaporator Coil
- Crane Required to Unload Unit
- Stainless Steel Drain Pan
- Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels

BAS Controller

- IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10.
- Smart Equipment Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors. BACNet MS/TP, Modbus and N2 communication

Standard Unit Controller: Smart Equipment Control Board

- Safety Monitoring Monitors the High and Low-Pressure Switches, the Freezestats, the Gas Valve, if Applicable, and the Temperature Limit Switch on Gas and Electric Heat Units. The Unit Control Board will Alarm on Ignition Failures, Safety Lockouts and Repeated Limit Switch Trips.
- An Integrated Low-Ambient Control, Anti-Short Cycle Protection, Lead-Lag, Fan On and Fan off Delays, Low Voltage Protection, On-Board Diagnostic and Fault Code Display. Allows all units to operate in the cooling mode down to 0 °F outdoor ambient without additional components or intervention.

Warranty



York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC-9 System: ZJ180S30P4D5BCAKG1

- One (1) Year Limited Warranty on the Complete Unit
- Five (5) Year Warranty Compressors and Electric Heater Elements

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• Fifteen (15) Year Warranty - Stainless Steel Tubular Heat Exchangers



York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC-9 System: ZJ180S30P4D5BCAKG1

Factory Installed Options

ZJ180S30P4D5BCAKG1

Equipment Options		Option(s) Selected		
Product Category:	ZJ	York Large Sunline Single Packaged R-410A Air Conditioner 12.2 EER		
Nominal Cooling Capacity:	180	15 Ton Four Stage Cooling		
Heat Type and Nominal Heat Capacity:	S30	300 MBH Input Stainless Steel, Two Stage Gas Heat		
Blower Option:	Р	IntelliSpeed control of the VFD based on stages of cooling. Provides Single Zone VAV Fan Operation as defined by ASHRAE 90.1 section 6.4.3.10. 5 HP Standard Static Belt Drive Blower		
Voltage:	4	460-3-60		
Outside Air Option:	D	Dry Bulb Low Leak Economizer w/Barometric Relief and Power Exhaust and Hoods (Bottom Return Only) with Economizer Fault Detection & Diagnostic (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511)		
Service Options:	5	Non Powered Convenience Outlet (110 VAC) HACR Circuit Breaker/Disconnect		
Sensor Options:	В	Phase Monitor		
Controls:		Smart Equipment Controller including Discharge Air, Return Air, and Outdoor Air Temperature Sensors. BACNet MS/TP, Modbus and N2 Communication Card.		
Refrigeration:	Α	Standard Condenser Coil Standard Evaporator Coil		
Additional Options:		2" Throwaway Filters		
Cabinet Options:	G	Single Wall Construction Stainless Steel Drain Pan Hinged & Tool Free Filter, Blower, Motor and Electrical Access Panels		
Product Generation:	1			

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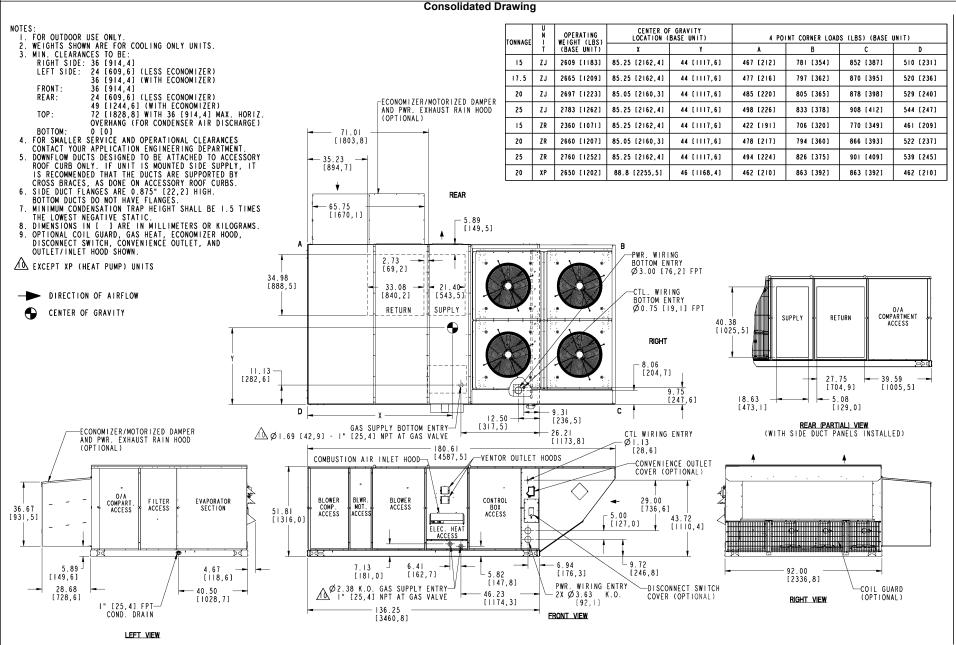


Large Sunline 15-25 Ton Package

York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC- 9 System: ZJ180S30P4D5BCAKG1

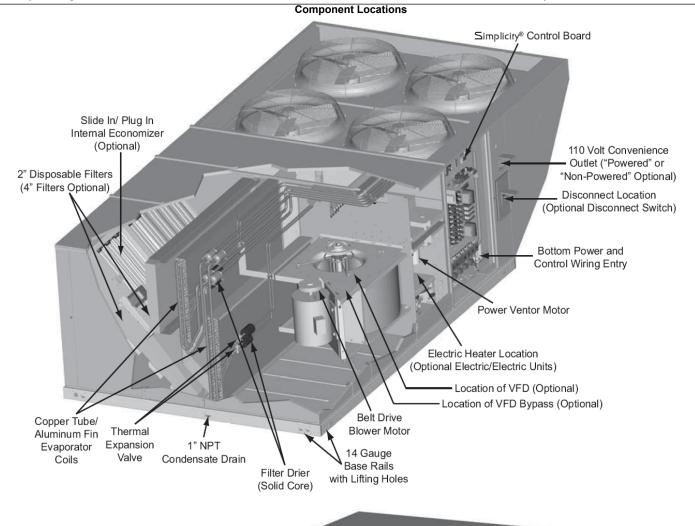


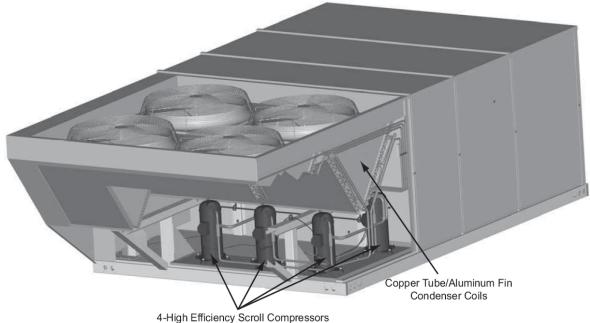


York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC- 9 System: ZJ180S30P4D5BCAKG1





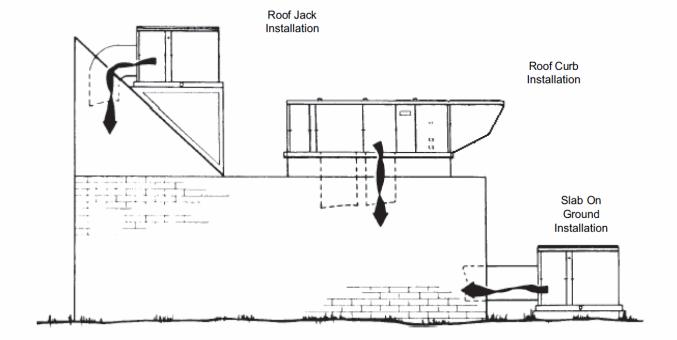


York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC-9 System: ZJ180S30P4D5BCAKG1

Typical Application



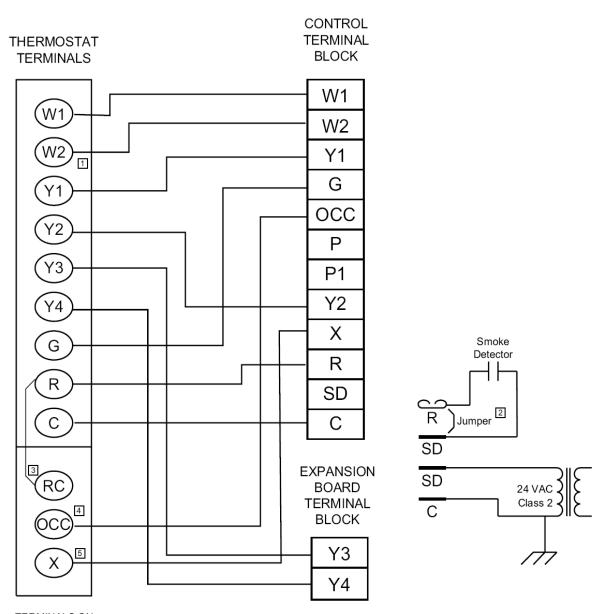


York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC- 9 System: ZJ180S30P4D5BCAKG1

Typical Control Diagram



TERMINALS ON A LIMITED NUMBER OF THERMOSTATS

- 1 Second stage heating not required on single stage heating units.
- 2 Jumper is required if there is no Smoke Detector circuit.
- 3 Jumper is required for any combination of R, RC, or RH.
- 4 OCC is an output from the thermostat to indicate the Occupied condition.
- 5 X is an input to the thermostat to display Error Status conditions.



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York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC- 9 System: ZJ180S30P4D5BCAKG1

Seismic Certification

835356-UAD-A-0112



SPECIAL SEISMIC CERTIFICATION
OF NON-STRUCTURAL
COMPONENTS AND SYSTEMS



CERTIFICATE OF COMPLIANCE

Dynamic Certification Laboratories has qualified the listed packaged rooftop units as CERTIFIED for seismic applications in accordance with the following codes and standards:

CBC 2010, IBC 2009, ICC-ES AC-156 2010, ASCE 7-05

The following model designations are included in this certification. A complete list of certified models, options, and installation methods are detailed in report number 90300-1108b by Dynamic Certification Laboratories, provided by the equipment manufacturer upon request.

Unitary Product Group Packaged Rooftop Units (UPG)

Seismic Qualification Testing was conducted in accordance with and in strict adherence to the standards set forth within the American Society of Civil Engineers (ASCE 7) by the independent approval agency, Dynamic Certification Laboratories. The above referenced equipment is APPROVED for seismic applications when properly installed and used as intended.

The basis of this certification is through testing of the active and energized components per AC156. This certification covers multiple UPG brands, including York, Johnson Controls, Coleman, Luxaire, Evcon and Fraser-Johnston.

The seismic values are obtained from the Maximum Considered Earthquake Short Period Spectral Response Acceleration, Sds, as determined by the ASCE 7 seismic maps. Various installation locations/isolation configurations are covered under this certification, limited by the Sds value stated in the following table. A seismic importance factor, Ip, of 1.5 applies to this certification to include essential facility requirements and life safety applications for post event functionality. The units are approved for both a rigid and flexible mount configuration.

Maximum Design Sds Values of UPG Packaged Rooftop Units						
Series	Size	Tons	Sds (g)	Fp/Wp		
ZF/ZS 180/J**ZF/T*	180 (48")	15	2.0	1.5		
ZF/ZS/J**ZF/T*	210, 240, 300 (53")	17.5, 20, 25	2.0	1.5		
XP/XA/J**XP/T*180	180 (53")	15	2.0	1.5		
XP/XA/J**XP/T*240	240 (53")	20	2.0	1.5		
ZJ/ZW/J**ZJ/T*	180, 210, 240, 300 (53")	15, 17.5, 20, 25	2.0	1.5		
ZR/ZK 180/J**ZR/T*	240, 300 (53")	15, 20, 25	2.0	1.5		

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Johnson Controls Unitary Products



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York Single Package R-410A Air Conditioner

Project Name: Kohls 10472 - Lees Summit, MO- Rev 1 Unit Model #: ZJ180S30P4D5BCAKG1

Quantity: 1 Tag #: AC- 9 System: ZJ180S30P4D5BCAKG1

Seismic Certification



SPECIAL SEISMIC CERTIFICATION OF NON-STRUCTURAL COMPONENTS AND SYSTEMS



CERTIFICATE OF COMPLIANCE

Table of Seismic Design Parameters						
Site Class	F _a	I _p	a _p	R _p	z/h	
D	1.0	1.5	2.5	6.0	1.0	

Site and Project Requirements

It is the responsibility of the Design Professional of Record to:

- Provide engineering for the anchorage and restraint of the unit
- Validate Certification Design Parameters with actual site conditions
- Provide engineering of all equipment support structures
- Confirm component configuration

Certification Issued by: Dynamic Certification Laboratories

Document Control Number: 90300-1108b-1

Issue Date: 12/19/11

PROFESSIONAL PROFE

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