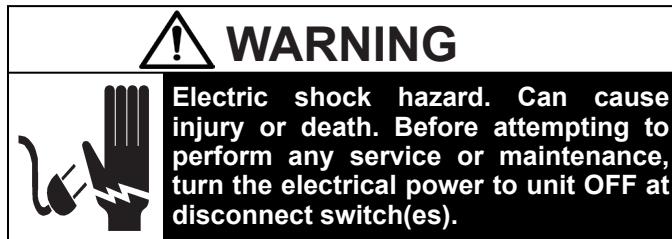


INSTALLATION INSTRUCTIONS

MODULATING POWER EXHAUST
FOR YORK INTERNATIONAL
ZJ / ZH 078-150 / ZR / ZF / XP 078-150 UNITS

(YKIPPEBM29)

The Power Exhaust is designed to be used in conjunction with an economizer (sold separately). The Power Exhaust helps to equalize the building pressure that is caused by the fresh air that is introduced through the fresh air hood. Field-installed economizer must be installed first, before installing Power Exhaust.



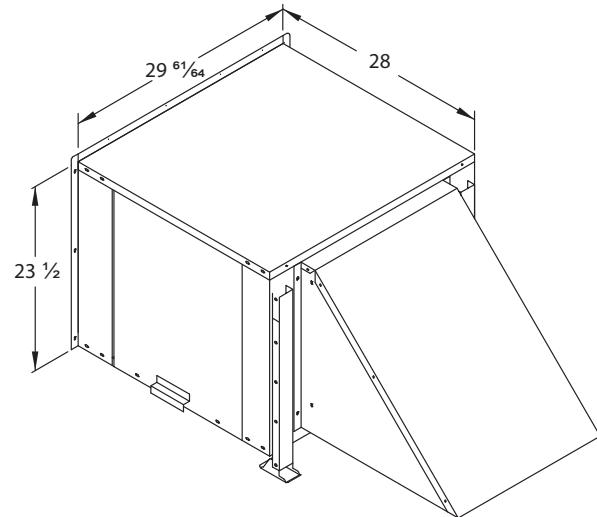
General

The instruction provides all the necessary information to properly field install the Power Exhaust.

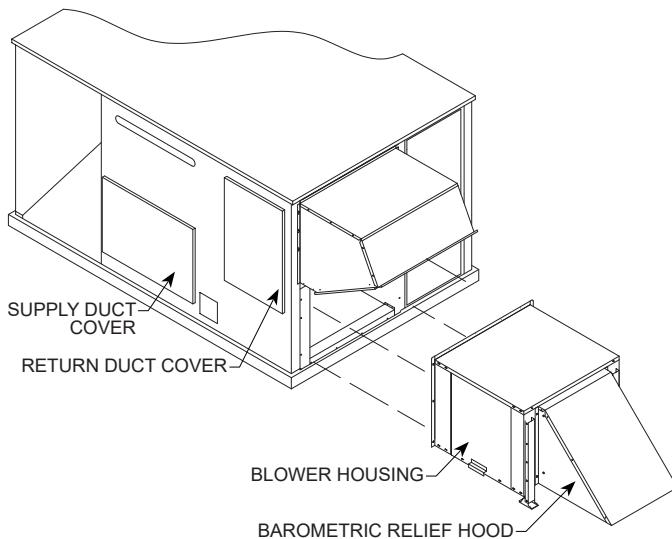
Installation:

Verify all unit parts in box.

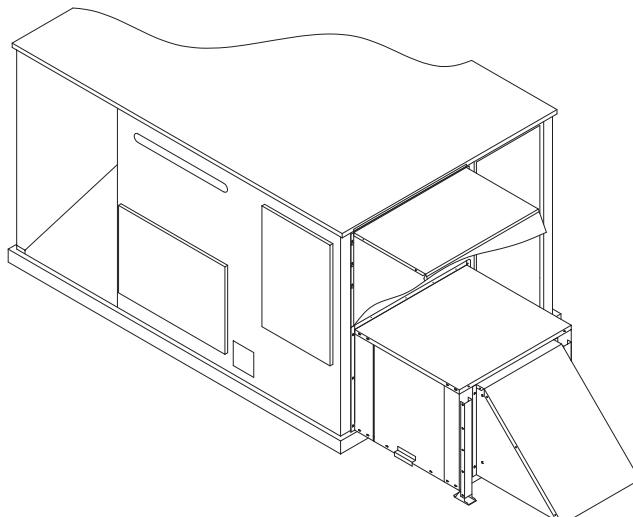
1 ea. - Power Exhaust Assembly



1. Remove exhaust hood from economizer.



2. Install power exhaust by aligning the holes on the flanges on the end of the Power Exhaust with the screw holes on the economizers exhaust opening using supplied screws.

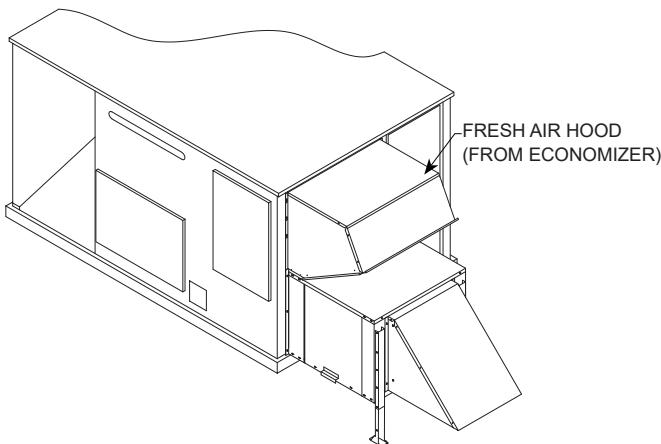


INSTALLATION INSTRUCTIONS

MODULATING POWER EXHAUST FOR YORK INTERNATIONAL ZJ / ZH 078-150 / ZR / ZF / XP 078-150 UNITS

(YKIPPEBM29)

- Lower the support legs at the end of the Power Exhaust. Using a 2 x 6 or equipment support rail to prevent damage to the roof adjust the legs until the Power Exhaust is level and not pulling on the economizer.



High Voltage Wiring:

3 phase Power Exhausts require a separate High Voltage circuit than the RTU.

Use an unfused power disconnect connect the 3 phase circuit to the power distribution block in the Power Exhaust.

Low Voltage Wiring.

xA.

The "enable" input on the VFDs are jumped out on the Drives, If the application requires turning the Power Exhaust off during unoccupied hours remove the Jumper between terminals 1 & 2 and wire in a normally open relay. Connect the control terminals on the relay to the Power exhaust output on the economizer controller, RTUs controls, or BMS controller. The relay should be energized to turn on the PE.

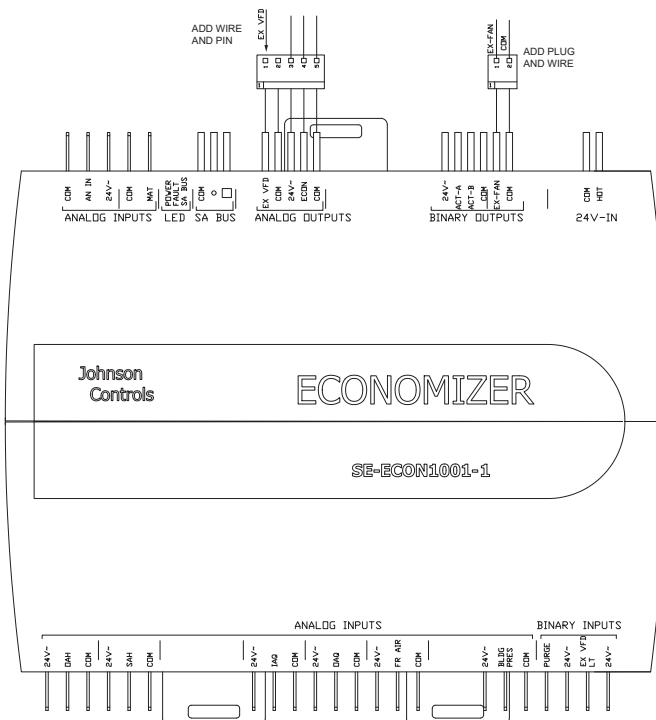
No outside signal is required, the VFD modulates off of a control signal from a pressure transducer. A tube is included to drop down the return duct, the transducer will increase the signal to the drives as the Pressure in the building increases.

xB

The "enable" input on the VFDs are jumped out on the Drives, If the application requires turning the Power Exhaust off during unoccupied hours remove the Jumper between terminals 1 & 2 and wire in a normally open relay. Connect the control terminals on the relay to the Power exhaust output on the economizer controller, RTUs controls, or BMS controller. The relay should be energized to turn on the PE.

Control signal: a 0-10 VDC control signal should be connected to controls wire terminal. A 3 wire conductor is recommended with a +, -, and shield.

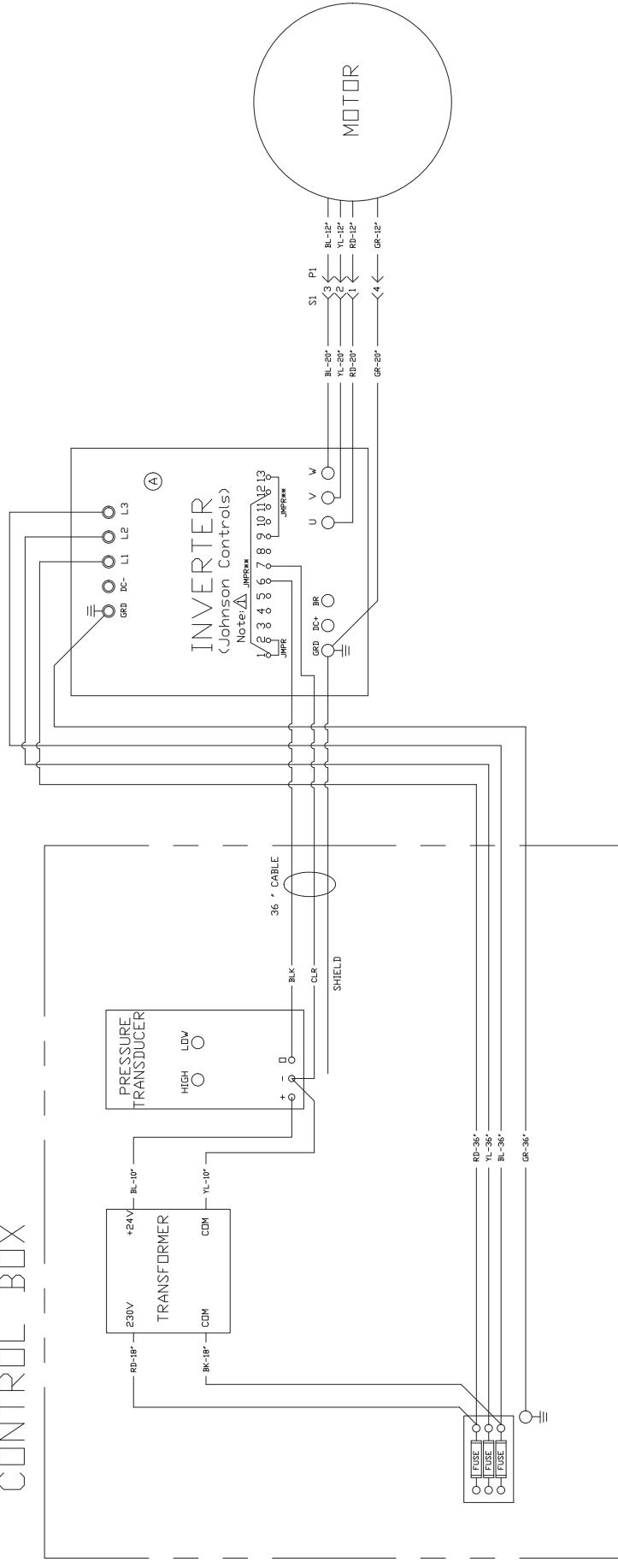
The VFD will modulate between 20hz at 0 VDC and 60HZ and 10vdc.



Note: Economizer controller is supplied with RRS economizer.

CONNECTOR & CONTACT CONFIGURATION				
	COMPONENT CODE	WIRE COLOR CODE	Revision	Date
P1	PLUG 30303903	PIN 30303912	BLK Black	07-28-05
S1	CAP 30303904	SOCKET 30303913	BRN Brown	03-20-18
			GRN Green	
			ORG Orange	
			RED Red	
			VIO Violet	
			YEL Yellow	

CONTRL B□X



<p>Notes:</p> <ol style="list-style-type: none"> Be sure all leads from motor have been covered with tape. Line voltage is provided through a power source separate from the rooftop unit or from the load side of the rooftop unit disconnect. JMPR ## - For 575V units only. 	Power Exhaust w/ Pressure Sensor Control for ZJ/ZH 078-150 / ZR / XF / XP 078-150 Units		
	Date: June 20, 2020	Supersedes: 06-24-19	Drawn by:
	Unit # 80-457-29xA-23/33/43	Diagram# 45729AW	
	Approved by:		
R-R SYSTEMS RoofTop		1625 Diplomat Drive Carrollton, Texas 75006 Phone (972) 247-7447 Fax (972) 243-0940	

