

Trane Precedent Packaged Rooftop

Unit Overview - TSJ120A4S00**00000000000000000000000000000000

Application	Unit Size	Supply Fan		External Dimensions (in.)			Operating Weight	EER	IEER/SEER	Elevation
		Airflow	Total Static Pressure	Height	Width	Length				
DX Cooling / Electric Heat	10 Ton	3700 cfm	0.500 in H2O	4.24 ft	4.44 ft	7.34 ft	964.4 lb	11.20	14.80	0.00 ft

Unit Electrical

Voltage/phase/hertz	460/60/3
MCA	62.00 A
MOP	70.00 A
Condenser Fan FLA	1.40 A
Evaporator Fan FLA	4.60 A
Electric Heat FLA	0.00 A
Electric heat FLA (230V)	0.00 A
Compressor 1 RLA	13.20 A
Compressor 2 RLA	5.80 A
Compressor Power	8.66 kW
System Power	10.88 kW



Controls

Unit Controls	Symbio 700
Options Module	Indoor Options module

Cooling Section

		Capacity
Entering Dry Bulb	80.00 F	Gross Total 122.57 MBh
Entering Wet Bulb	67.00 F	
Ambient Temp	95.00 F	Gross Latent 30.72 MBh
Leaving Coil Dry Bulb	56.96 F	Gross Sensible 91.85 MBh
Leaving Coil Wet Bulb	56.19 F	Net Total 119.56 MBh
Leaving Unit Dry Bulb	58.46 F	Net Sensible 88.85 MBh
Leaving Unit Wet Bulb	56.80 F	Net Sensible Heat Ratio 74.31 %
Saturated Discharge Temperature	118.85 F	Fan Motor Heat 0.51 MBh
Saturated Suction Temperature	50.50 F	Refrig Charge-Circuit 1 10.1 lb

Heating Section

Output Heating Capacity	122.94 MBh
Heating EAT	65.00 F
Heating LAT	95.26 F
Heating Temp Rise	30.26 F

Fan Section

Indoor Fan Data		Indoor Fan Performance	
Airflow Application	Horizontal	Airflow	3700 cfm
Design ESP	0.500 in H2O	Supply Motor Horsepower	3.000 hp
Component SP	0.000 in H2O	Indoor Motor Operating Power	1.015 hp
Heat SP	0.000 in H2O	Indoor RPM	1163 rpm
Total SP	0.500 in H2O	Outdoor Fan Data	
Supply Fan Count	1.00 Number	Outdoor Fan Drive Type	Direct
Indoor Fan Drive Type	Variable Direct	Outdoor Fan Quantity	1.00 Number
Indoor Fan Quantity	1.00 Number	Outdoor Fan Type	Propeller
Indoor Fan Type	BC Plenum		

Field Installed Accessories

Electric heater	36 kW electric heater
Options module	Indoor Options module
Fresh air selection	Manual outside damper 0-25%

Acoustics

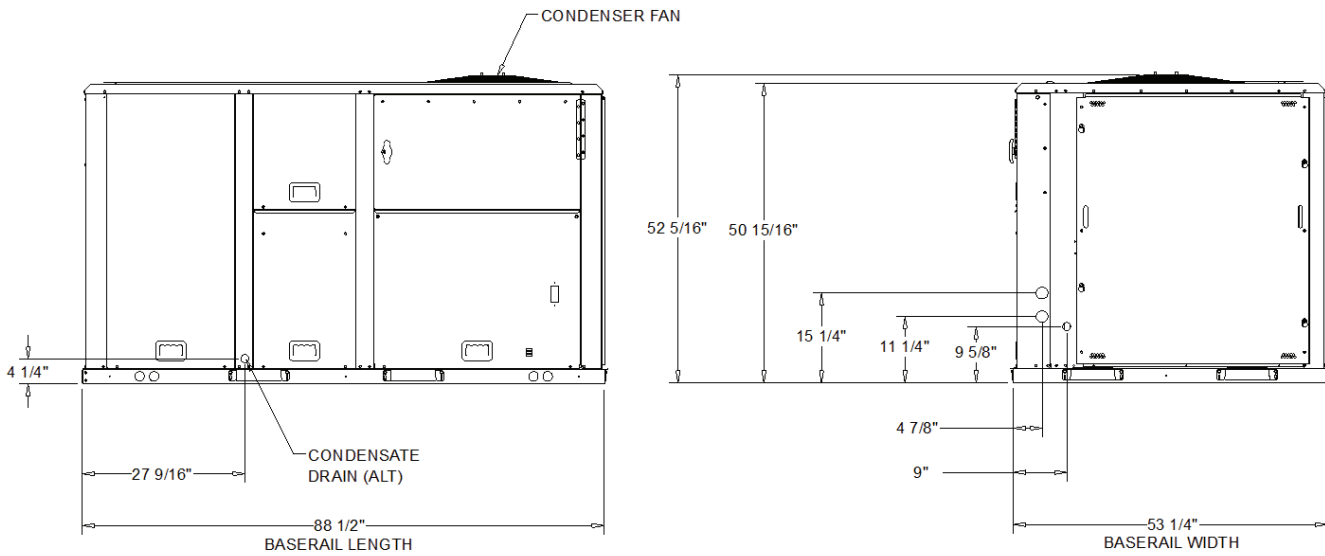
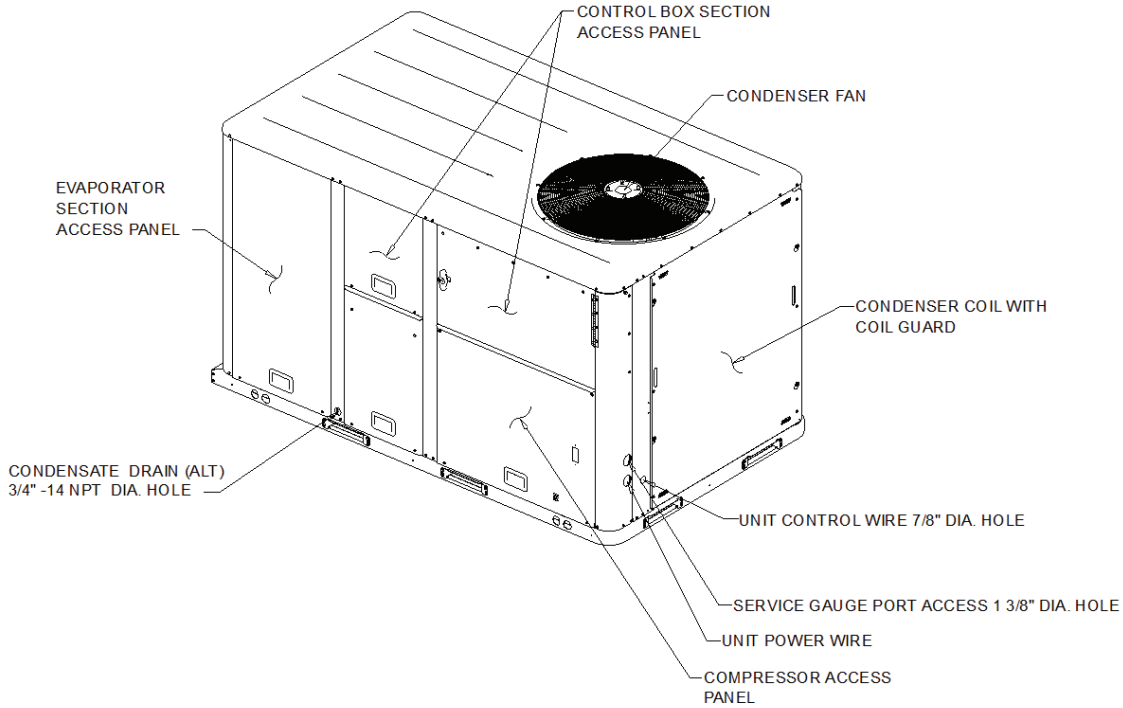
Sound Path	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Ducted Discharge	86 dB	83 dB	77 dB	71 dB	66 dB	63 dB	62 dB	63 dB
Ducted Inlet	81 dB	74 dB	71 dB	62 dB	59 dB	58 dB	55 dB	54 dB
Outdoor Noise	86 dB	87 dB	93 dB	90 dB	88 dB	84 dB	80 dB	74 dB

Note: Ducted Discharge and Ducted Inlet Sound in accordance with AHRI 260-2017

Note: Outdoor Sound in accordance with AHRI 270-2015

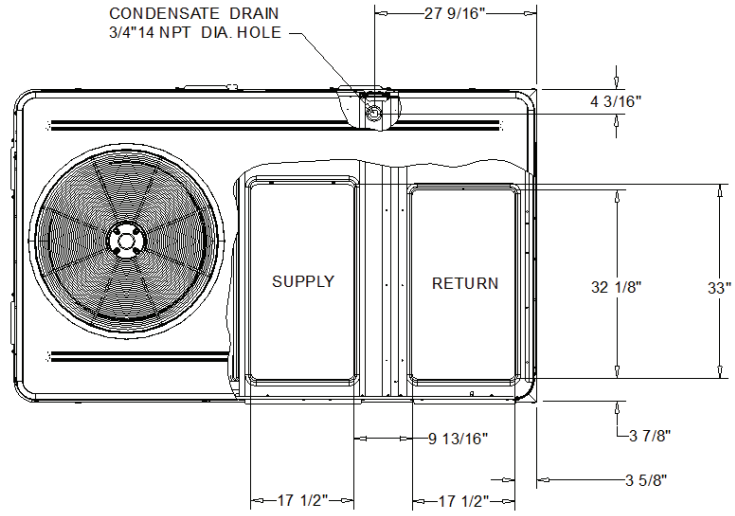


NOTES:
1. VERIFY WEIGHT, CONNECTION, AND ALL DIMENSION WITH
INSTALLER DOCUMENTS BEFORE INSTALLATION

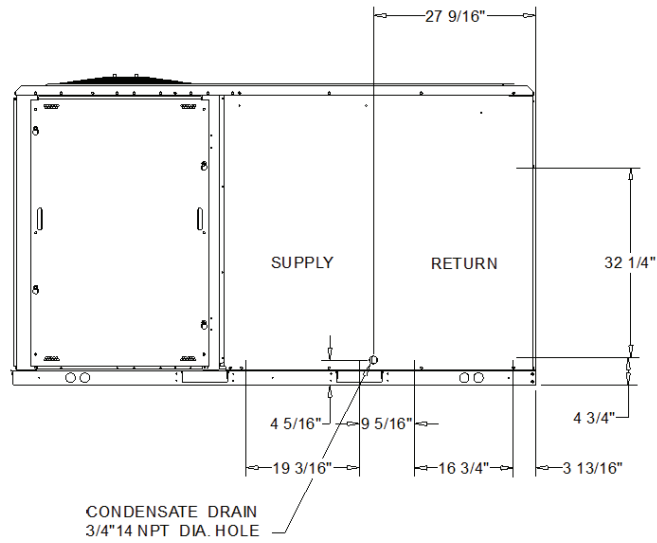


DX COOLING / ELECTRIC HEAT STANDARD EFFICIENCY

DIMENSION DRAWING



PLAN VIEW OF DOWNFLOW OPENINGS



HORIZONTAL AIR FLOW OPENING

DX COOLING / ELECTRIC HEAT STANDARD EFFICIENCY

DIMENSION DRAWING

NOTES:

1. APPROX. INSTALLED WEIGHT INCLUDES ALL SELECTED OPTIONS AND ACCESSORIES.
2. CORNER WEIGHTS ARE FOR BASE UNIT ONLY AND DO NOT INCLUDE OPTIONS OR ACCESSORIES.
3. WEIGHT INCLUDES BOTH FACTORY AND FIELD INSTALLED ACCESSORY.

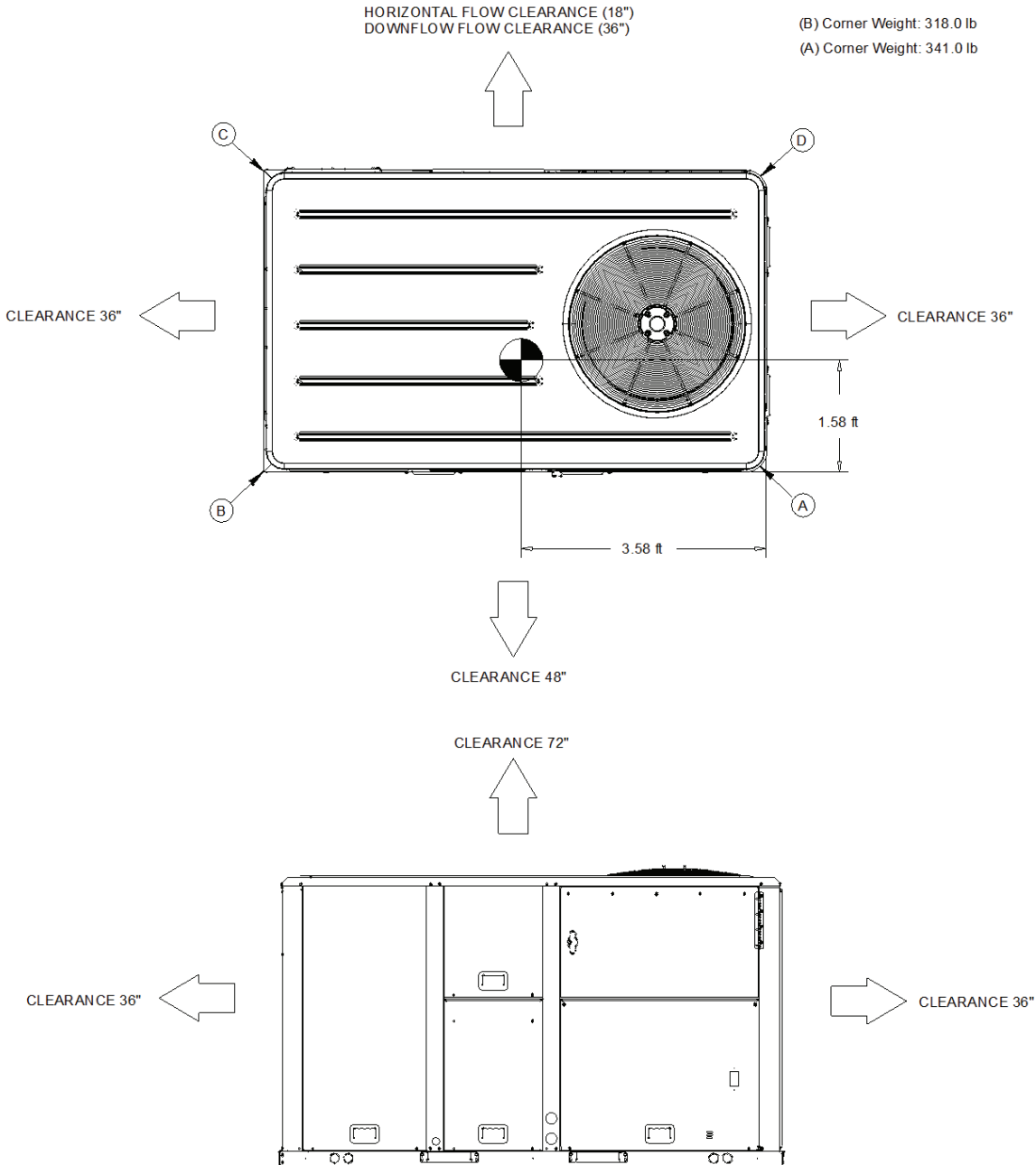
Approximate Installed Weight: 964.4 lb

(B) Corner Weight: 318.0 lb

(C) Corner Weight: 183.0 lb

(A) Corner Weight: 341.0 lb

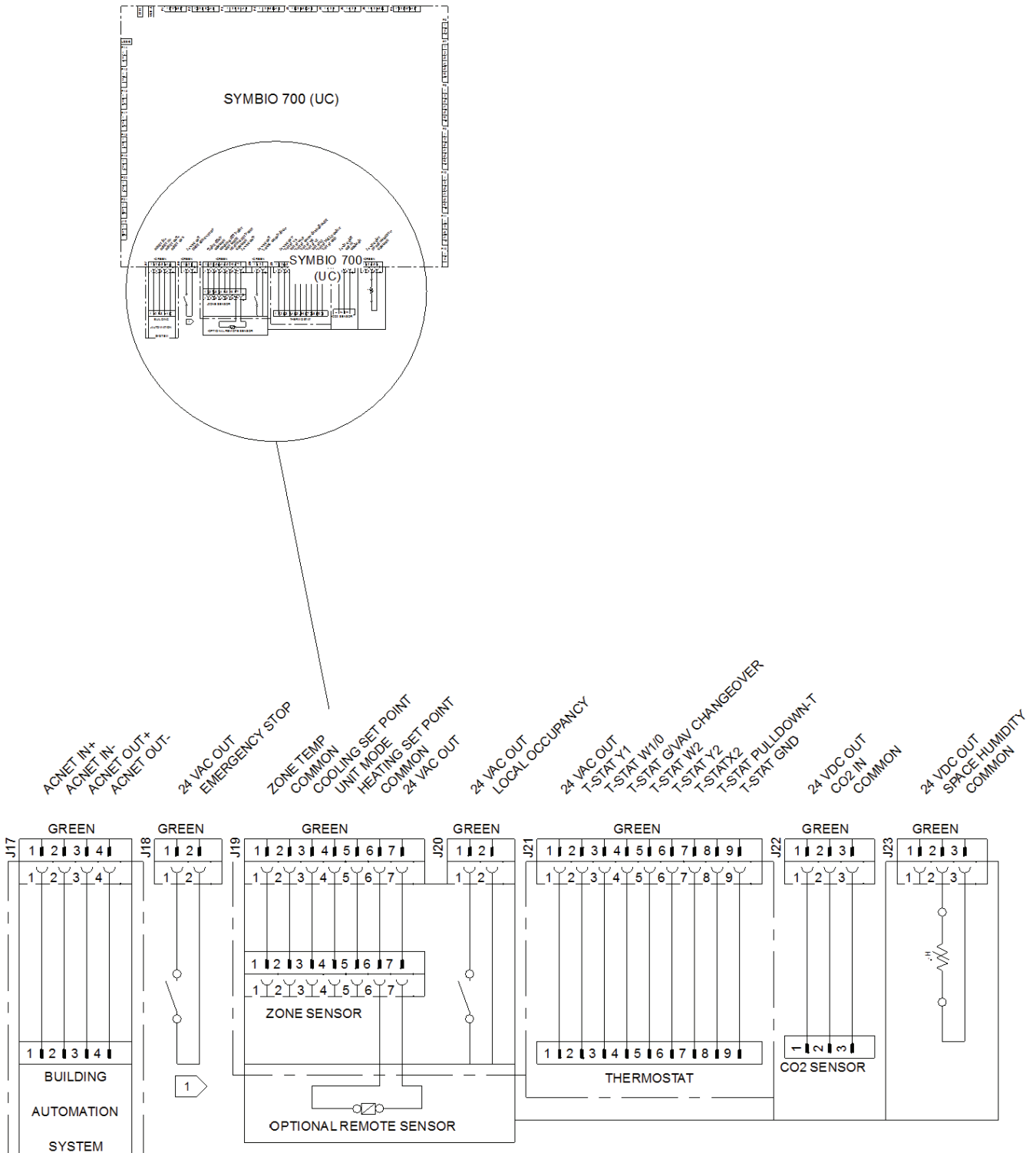
(D) Corner Weight: 196.0 lb



DX COOLING / ELECTRIC HEAT STANDARD EFFICIENCY

WEIGHTS AND CLEARANCES

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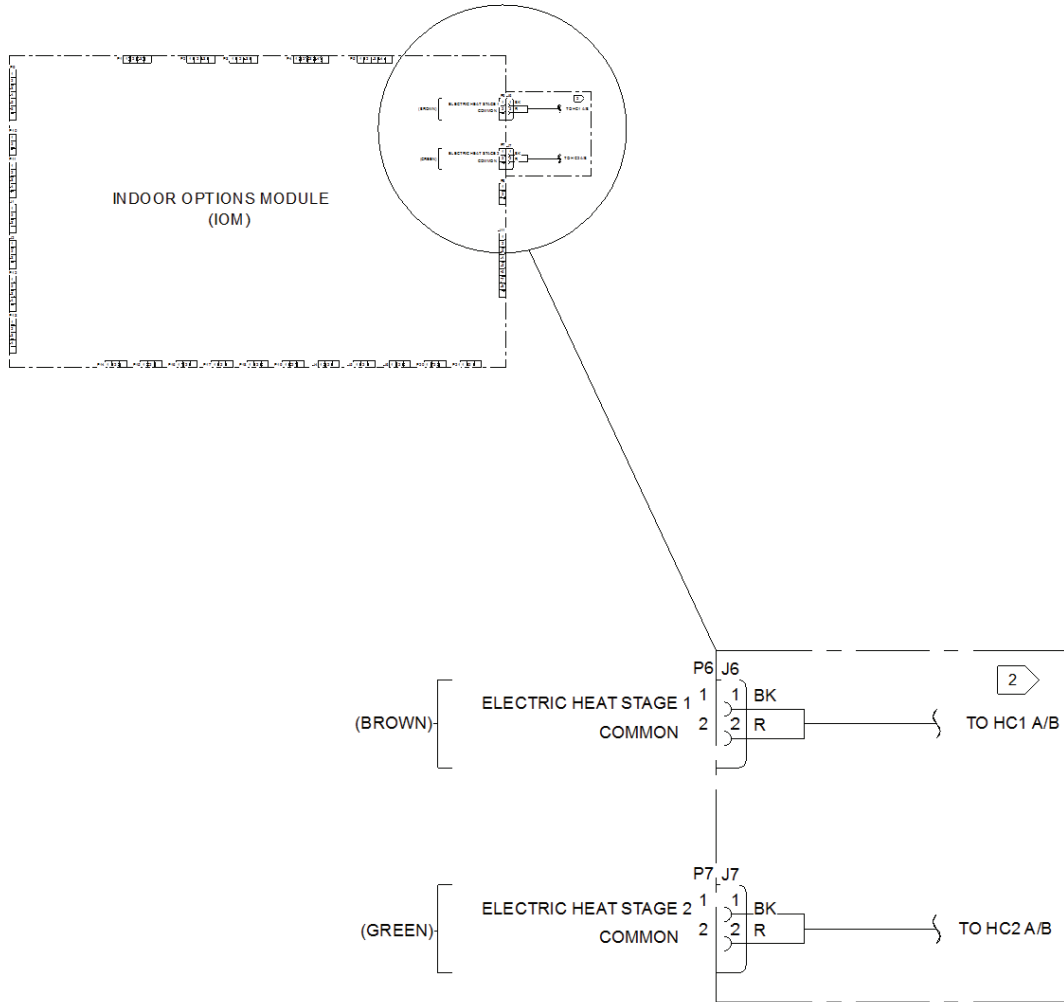


SYMBIO 700 (J17, J18, J19, J20, J21, J22, AND J23)

FIELD WIRING DRAWING

NOTES:

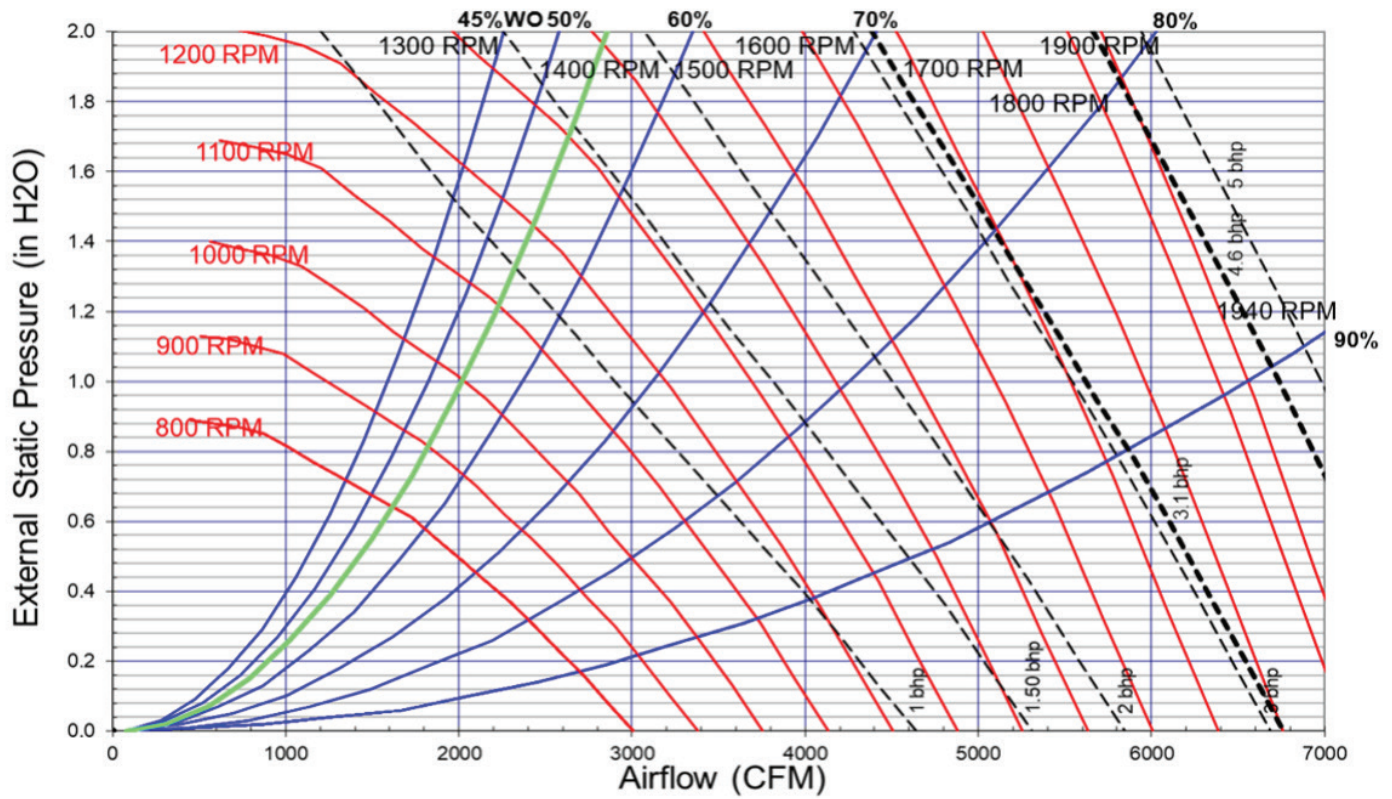
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OPTIONAL ELECTRIC HEAT (J6 AND J7)

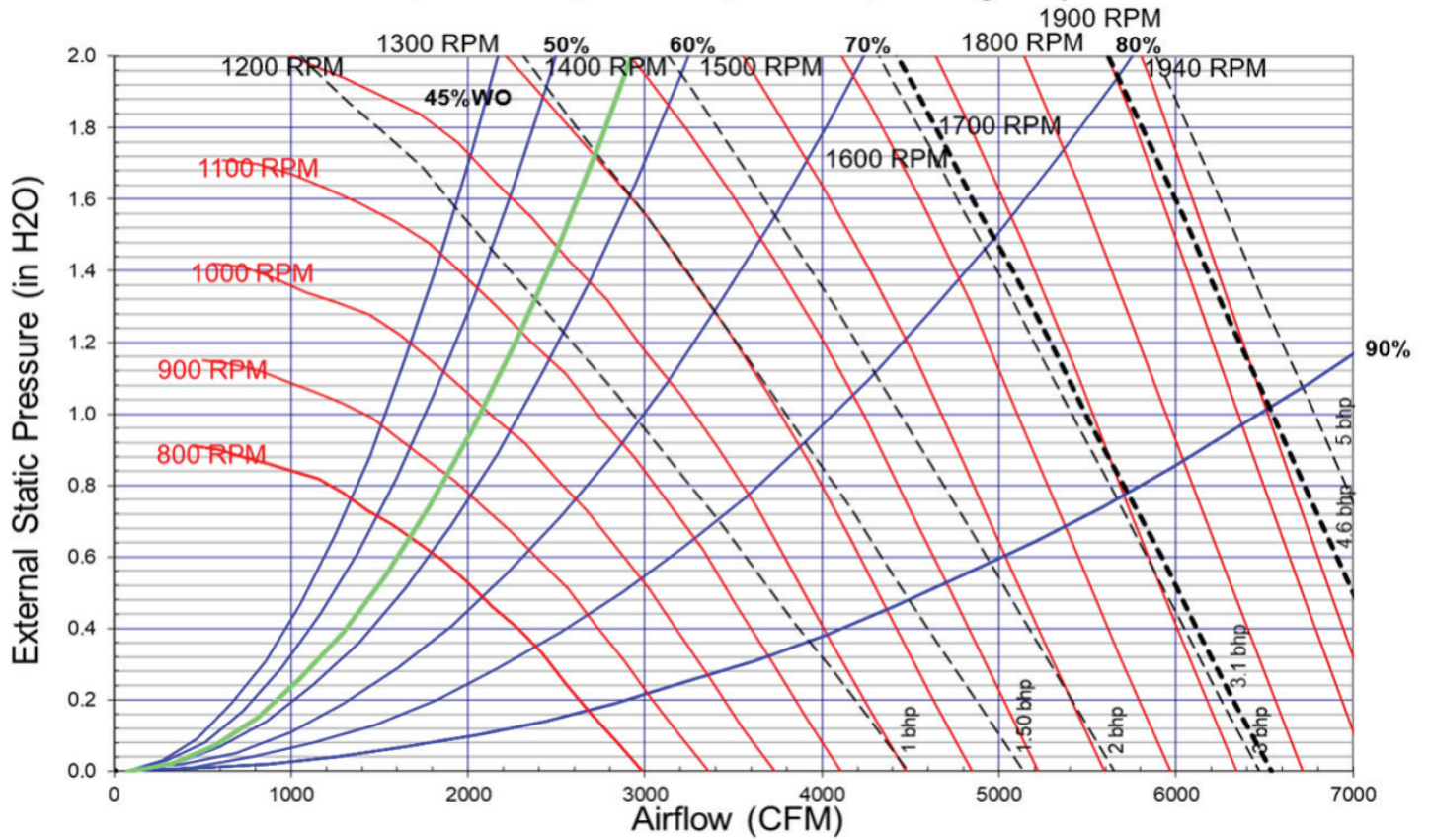
FIELD WIRING DRAWING (INDOOR OPTIONS MODULE)

TSJ072-120*, Downflow, Std Filter, Wet Coil, Cooling Only



Note: Fan Curves are for TSJ/WSJ units. For YSJ units, add additional static pressure for Gas Heat Exchanger (ref. RT-PRC098*, table 47)

TSJ072-120*, Horizontal, Std Filter, Wet Coil, Cooling Only



Note: Fan Curves are for TSJ/WSJ units. For YSJ units, add additional static pressure for Gas Heat Exchanger (ref. RT-PRC098*, table 47)