

Technical Specifications



P-S - SERIES 12 SEER

Non-Condensing Gas Heat / Electric Cooling

Self contained, Standard efficiency Thru-The-Wall heating & cooling unit
80% AFUE

Input 26 000 - 64 000 BTU/h



CONFORMS TO ANSI/UL STD. 1995,
ANSI STD. Z21.47; CERTIFIED TO
CAN/CSA STD. C22.2 NO. 236,
CAN/CSA STD. 2.3 AND CAN/CGA STD. 2.17

FEATURES

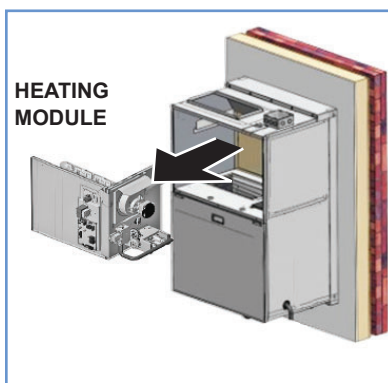
COMPATIBLE BOX SIZE



- Industry standard footprint for retrofit applications
- Appliance shell dimensions:
43 1/8" High x 28" Wide x 32" Deep
- Wall Sleeve dimensions where penetrating exterior wall:
44 7/8" High x 28 7/8" Wide
- Standard TAUPE color

HEATING FEATURES

- Up to 80 % AFUE Single Stage Gas Module
- Stainless steel heat exchanger
- Sealed Vestibule – keeps cold external air from circulating in dwelling

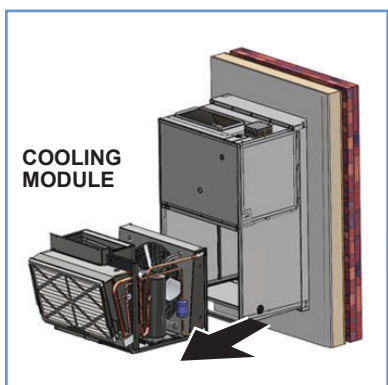


CIRCULATION BLOWER

- Dual Inlet Blower for higher flow rates / reduced air noise
- Endura Pro Multi-Speed Electronically Commutated Motor for increased electrical efficiency

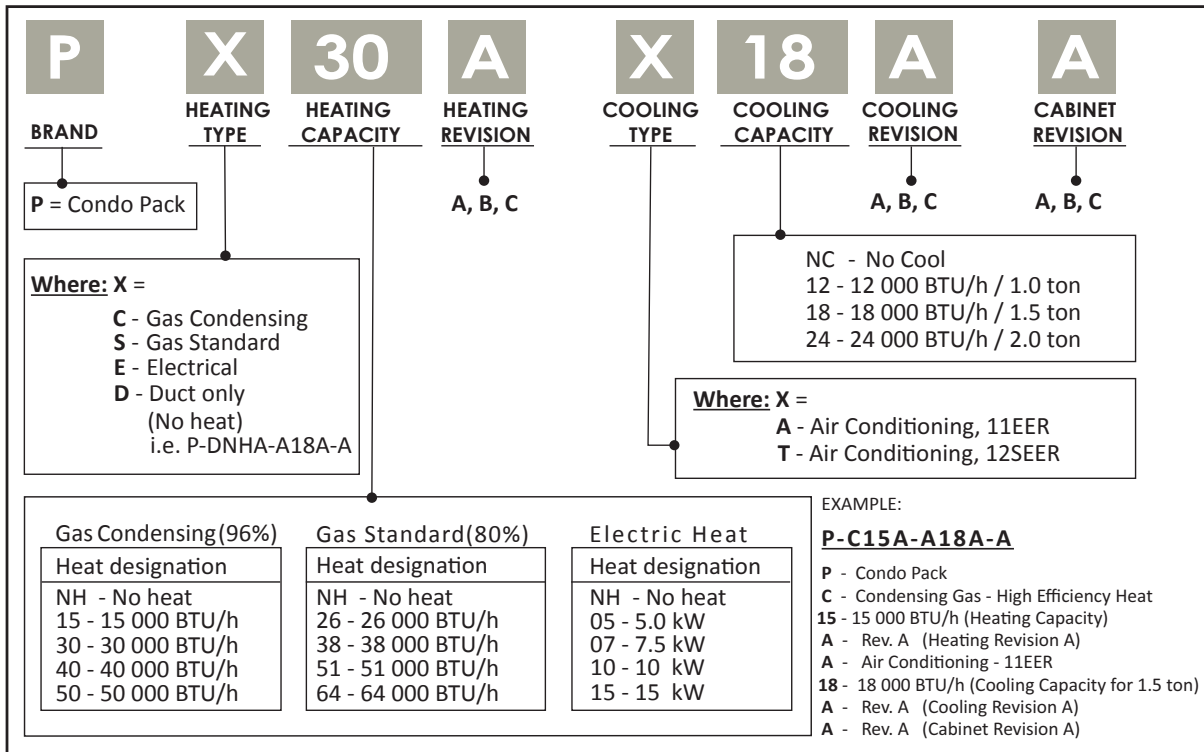
COOLING FEATURES

- Minimum 12 SEER Efficiency
- R-410A Refrigerant System
- Micro-Channel Condenser and Evaporator Coils
- High Efficiency Compressors
- One Piece motorized Condenser Fan design



SERVICE ADVANTAGES

- Indoor access to all parts & maintenance needs
- Innovative, dual slide-out chassis can be partially or fully removed for efficient servicing
- With spare modules, building management can perform quick swap outs, maintaining indoor conditions in the apartment/condo, while troubleshooting non functioning units off line
- Can perform direct replacement of the individual modules at the end of their service life instead of replacement of the complete appliance
- All control harnesses are separated with modular quick disconnects so module swap outs do not require time consuming rewiring



*All specifications and designs can change without notice to allow for on-going improvements. Images may not be exactly as shown. Consult with your owner's manual for current information. Check all local and national building codes and gas regulations. Napoleon® is a registered trade mark of Wolf Steel Ltd.

SPECIFICATIONS

PERFORMANCE

HEATING	P-S26A-T12A-A	P-S26A-T18A-A	P-S26A-T24A-A	P-S38A-T12A-A	P-S38A-T18A-A	P-S38A-T24A-A
AFUE	80%	80%	80%	80%	80%	80%
Input BTU/h	26,000	26,000	26,000	38,000	38,000	38,000
Output BTU/h (AFUE)	21,000	21,000	21,000	30,400	30,400	30,400
COOLING						
BTU/h	12,000	17,000	23,000	12,000	17,000	23,000
SEER	12.50	13.00	12.00	12.50	13.00	12.00
REF.	R410A	R410A	R410A	R410A	R410A	R410A
WEIGHT (lb)	328	349	349	328	349	349

HEATING	P-S51A-T12A-A	P-S51A-T18A-A	P-S51A-T24A-A	P-S64A-T12A-A	P-S64A-T18A-A	P-S64A-T24A-A
AFUE	80%	80%	80%	80%	80%	80%
Input BTU/h	51,000	51,000	51,000	64,000	64,000	64,000
Output BTU/h (AFUE)	41,000	41,000	41,000	51,200	51,200	51,200
COOLING						
BTU/h	12,000	17,000	23,000	12,000	17,000	23,000
SEER	12.50	13.00	12.00	12.50	13.00	12.00
REF.	R410A	R410A	R410A	R410A	R410A	R410A
WEIGHT (lb)	328	349	349	328	349	349

AIR FLOW

HEATING		SCFM at external static pressure In.W.C.						
Module No.	BTU/h	SETTING	SPEED	0.1"	0.2"	0.3"	0.4"	0.5"
S26A	26 K	Factory	5	430	430	405	330	285
		High	4	565	535	525	490	420
S38A	38 K	Factory	4	565	535	525	490	420
		High	3	770	745	730	710	690
S51A	51 K	Factory	3	770	745	730	710	690
		High	2	930	900	885	865	860
S64A	64 K	Factory	2	930	900	885	865	860
		High	N/A	N/A	N/A	N/A	N/A	N/A
COOLING		SCFM at external static pressure In.W.C.						
Module No.	BTU/h	SETTING	SPEED	0.1"	0.2"	0.3"	0.4"	0.5"
T12A	1.0 ton	Factory	5	430	430	405	330	285
		High	4	565	535	525	490	420
T18A	1.5 ton	Factory	1	665	630	620	575	500
		High	3	770	745	730	710	690
T24A	2.0 ton	Factory	1	825	800	780	755	735
		High	2	930	900	885	865	860

ELECTRICAL

Description	1.0 TON (T12A)	1.5 TON (T18A)	2.0 TON (T24A)
Compressor Type	Rotary	Rotary	Rotary
Rated Amps	5.3	7.4	10.0
LRA	28.5	38.5	60.9
MCA	10.2	13.9	17.6
Max Fuse/Breaker (A)	15	20	25
Indoor Fan FLA / HP / RPM	2.8 / 1/3 / 1050	2.8 / 1/3 / 1050	2.8 / 1/3 / 1050
Condenser Fan FLA / HP / RPM	.79/ 1/4/ 1100	.9/ 1/3/ 1120**	1.8 / 1/3 / 1380**
Combustion Fan FLA	1.25	1.25	1.25
Unit Input Voltage - Frequency-Phase	208/230V-60Hz-1PH		

** 1.5 ton & 2.0 ton models have two speed condenser fan motors: Speed 1 is for 1.5 ton & speed 2 is for 2.0 ton.

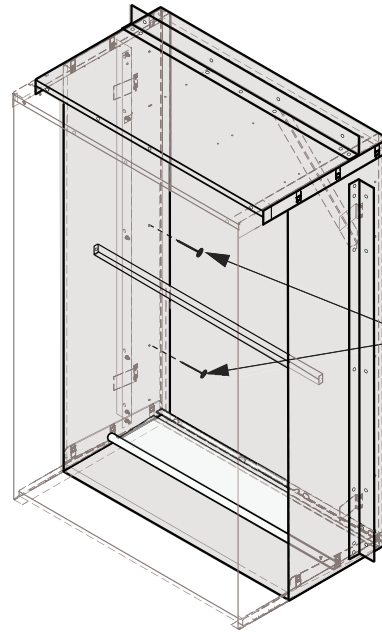
GAS CONTROLS AND ADDITIONAL DATA	
IGNITION SYSTEM	SPARK IGNITION
GAS CONNECTION	1/2" NPT
AC CONDENSATE HOSE SIZE (Supplied)	5/8" ID

WALL SLEEVE DIMENSIONS

TWO DIFFERENT WALL SLEEVE MODELS ARE DEPICTED BELOW:

- CWSMUA
- CWSMUA19

NOTE:
 TO IMPROVE RIGIDITY AND REDUCTION IN VIBRATION WALL MOUNTING BRACKETS CAN BE USED TO AFFIX WALL SLEEVE TO BUILDING SUB STRUCTURE FROM INSIDE OR OUTSIDE OF THE BUILDING. ENGINEER/ARCHITECT TO CONSULT WITH CUSTOMER SOLUTIONS IF CLARIFICATION IS REQUIRED TO DETERMINE BRACKET LOCATION FOR SETTING THE DESIRED DEPTH OF WALL SLEEVE INTO WALL.



WALL SLEEVE IS DIRECTLY LAGGED TO WALL SUBSTRUCTURE.

DIMENSIONS FOR THE TOP PANEL (ITEM 1):

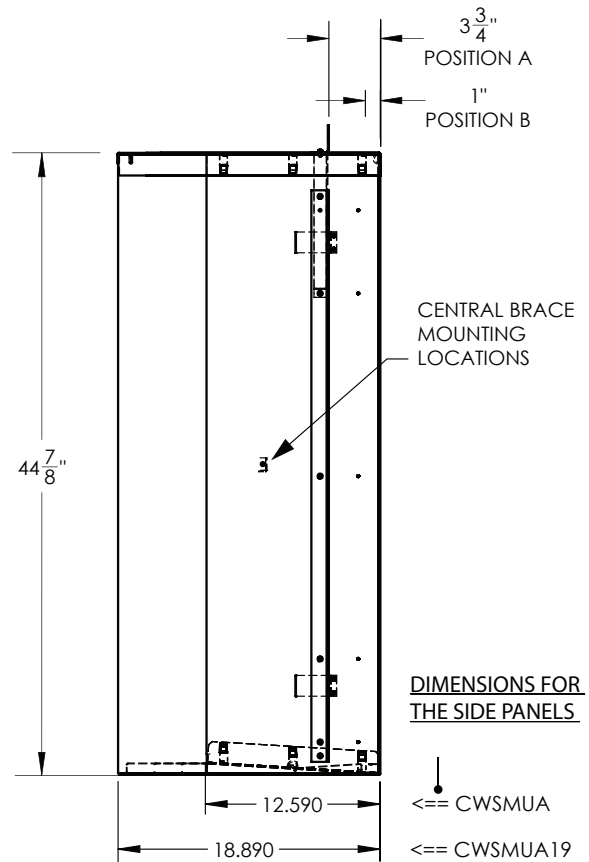
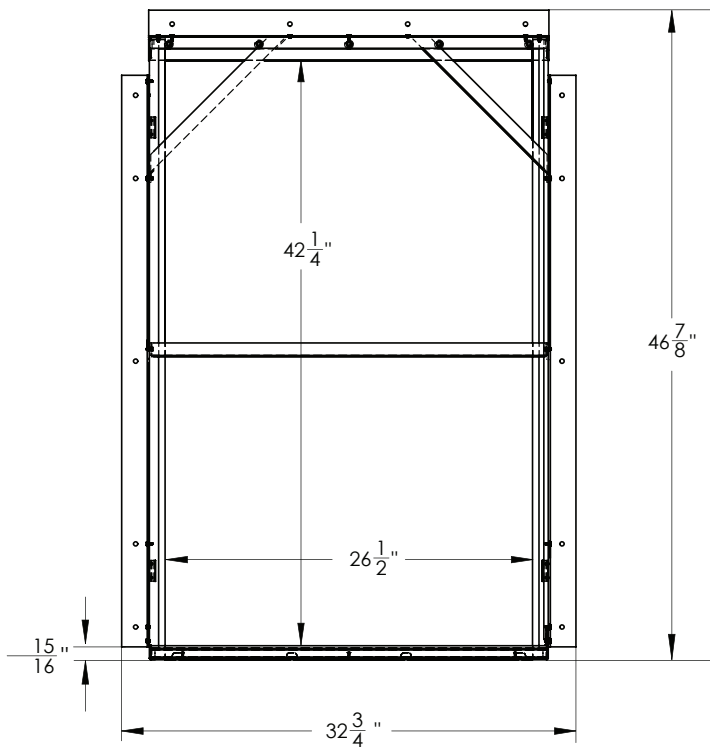
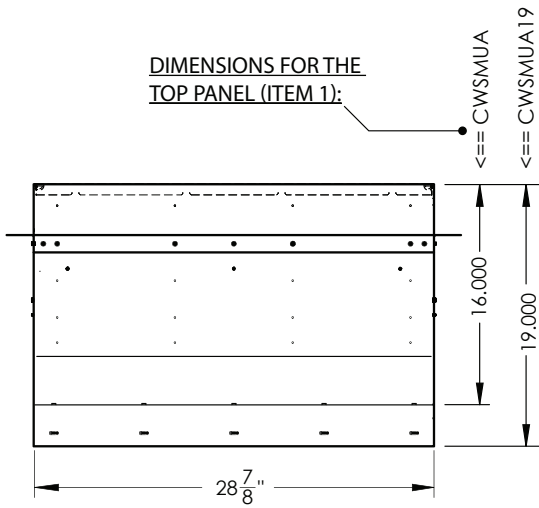
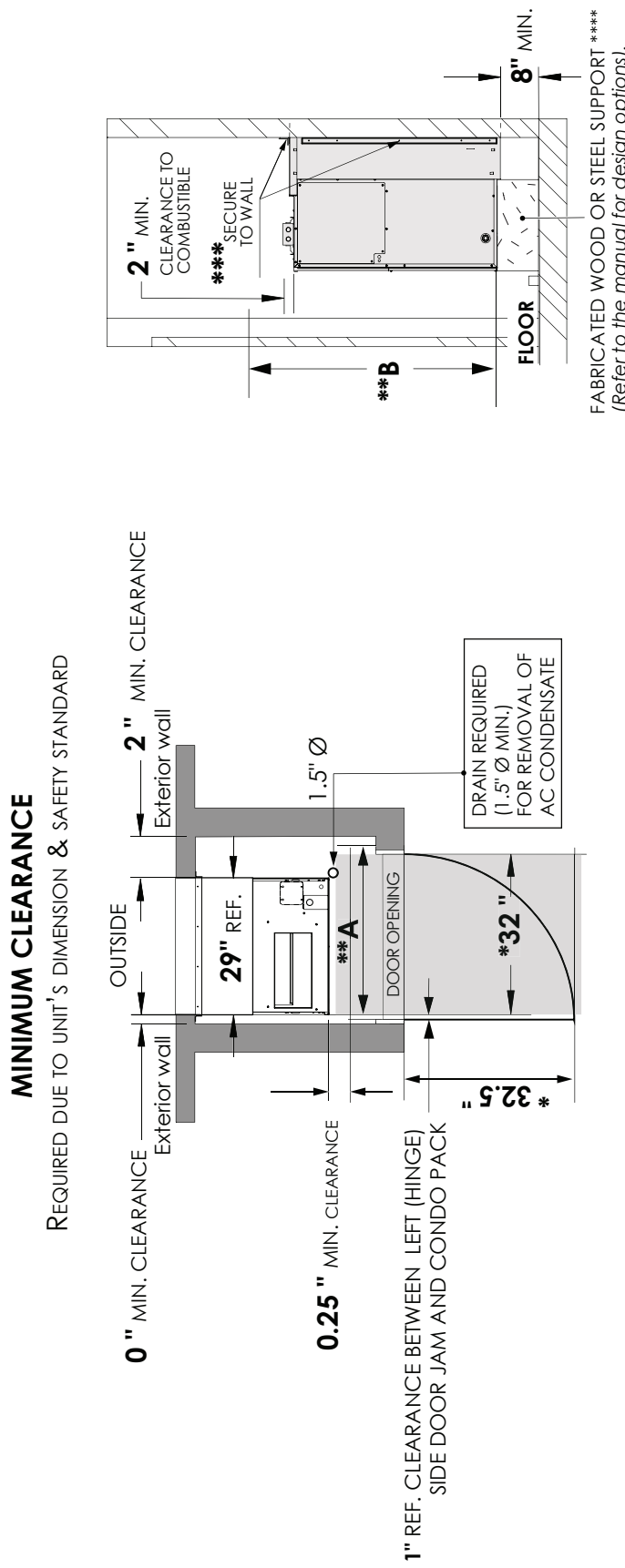


FIGURE 1



NOTE

ADEQUATE SERVICE CLEARANCE MUST BE PROVIDED IN FRONT OF THE UNIT.

**** In certain jurisdictions, combustible material is not allowed to be exposed to return air. For such scenarios, refer to installation manual for alternative design options.

*** Engineer/Architect - to consult with customer solutions if clarification is required to determine bracket location for setting the desired depth of Wall Sleeve into wall.

** A clear and unobstructed passageway (dimension AxB) shall be provided to the unit, in accordance with the requirements of the local authorities having jurisdiction and with the National Fuel Gas Code, ANSI Z223.1 (latest edition) and the National Electrical Code in the United States or CAN/CGA-B149.1 & .2 and the Canadian Electrical Code CSA C22.1 Part 1 (latest edition) in Canada.

* The 32" x 32.5" unobstructed clearance is required in front of the unit for complete removal of heating and cooling module. Check local building codes for other applicable requirements.

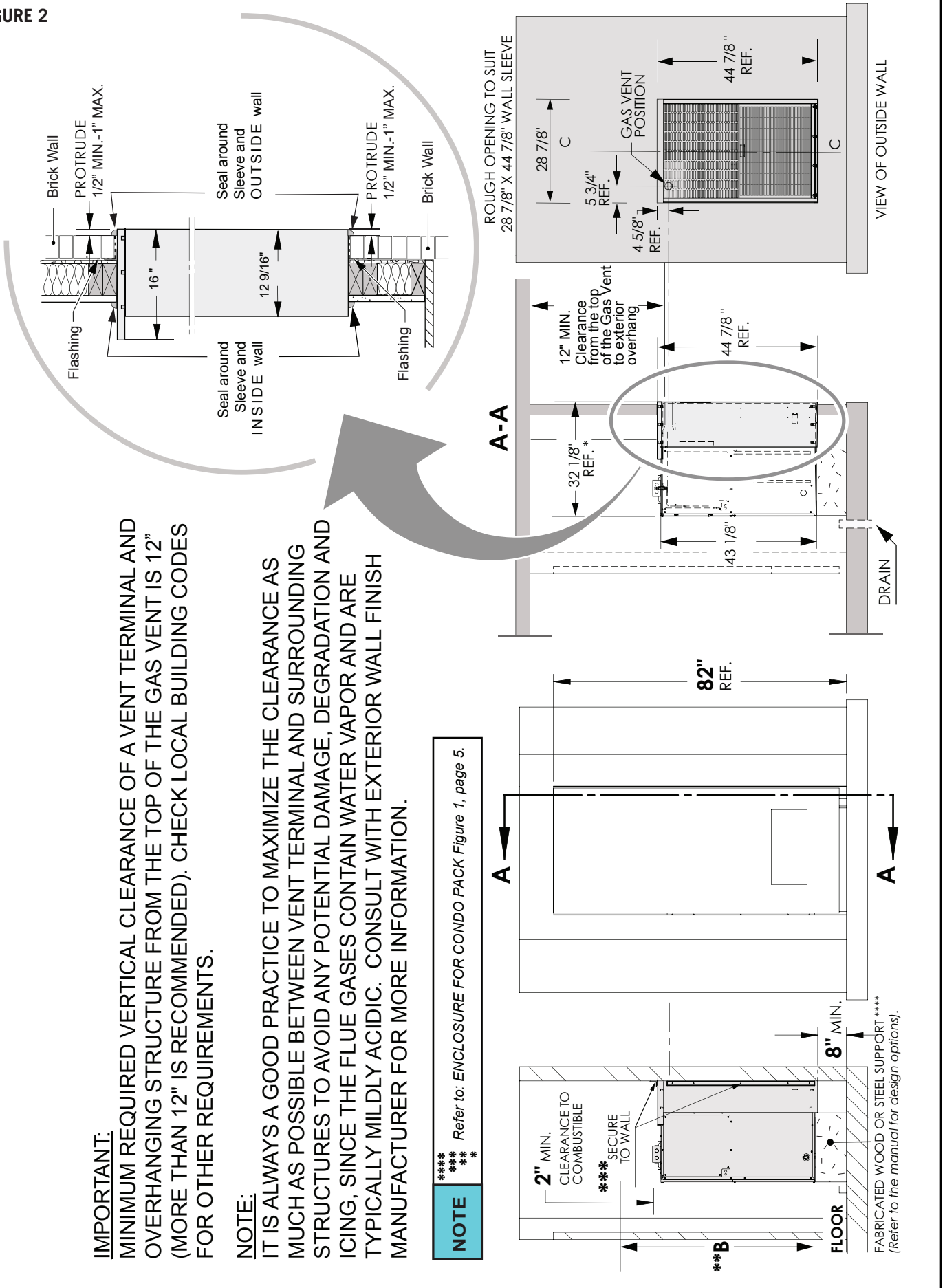
IMPORTANT: Prior to constructing interior closet walls in close proximity to the wall sleeve, the sealing of the wall sleeve and cabinet should be completed. Sealing after the walls are constructed can be difficult. Poor sealing will result in cold air infiltration that will affect Condo Pack. Refer to section "Sealing: Wall Sleeve and Condo Pack cabinet".

FIGURE 2

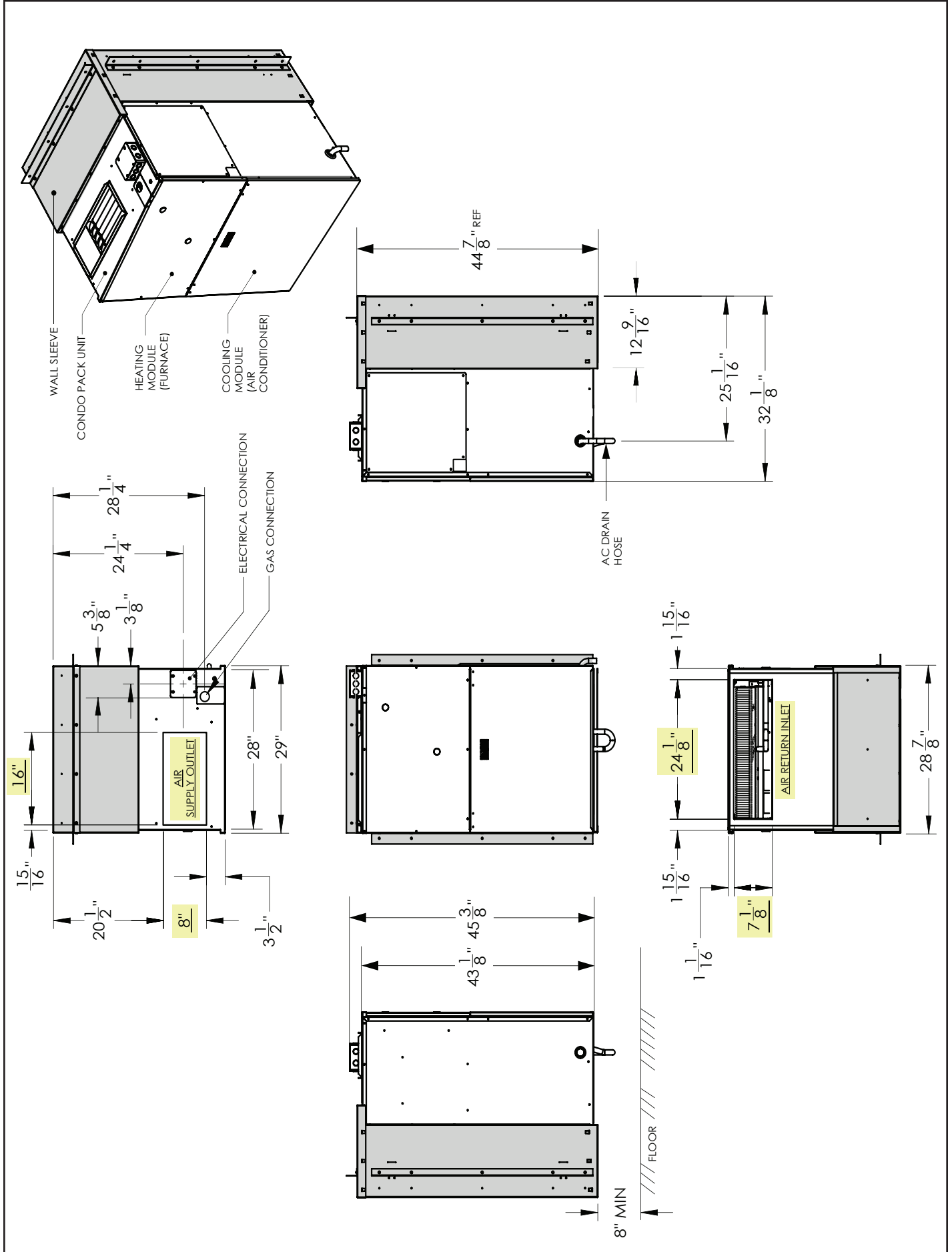
IMPORTANT:
 MINIMUM REQUIRED VERTICAL CLEARANCE OF A VENT TERMINAL AND OVERHANGING STRUCTURE FROM THE TOP OF THE GAS VENT IS 12" (MORE THAN 12" IS RECOMMENDED). CHECK LOCAL BUILDING CODES FOR OTHER REQUIREMENTS.

NOTE:
 IT IS ALWAYS A GOOD PRACTICE TO MAXIMIZE THE CLEARANCE AS MUCH AS POSSIBLE BETWEEN VENT TERMINAL AND SURROUNDING STRUCTURES TO AVOID ANY POTENTIAL DAMAGE, DEGRADATION AND ICING, SINCE THE FLUE GASES CONTAIN WATER VAPOR AND ARE TYPICALLY MILDLY ACIDIC. CONSULT WITH EXTERIOR WALL FINISH MANUFACTURER FOR MORE INFORMATION.

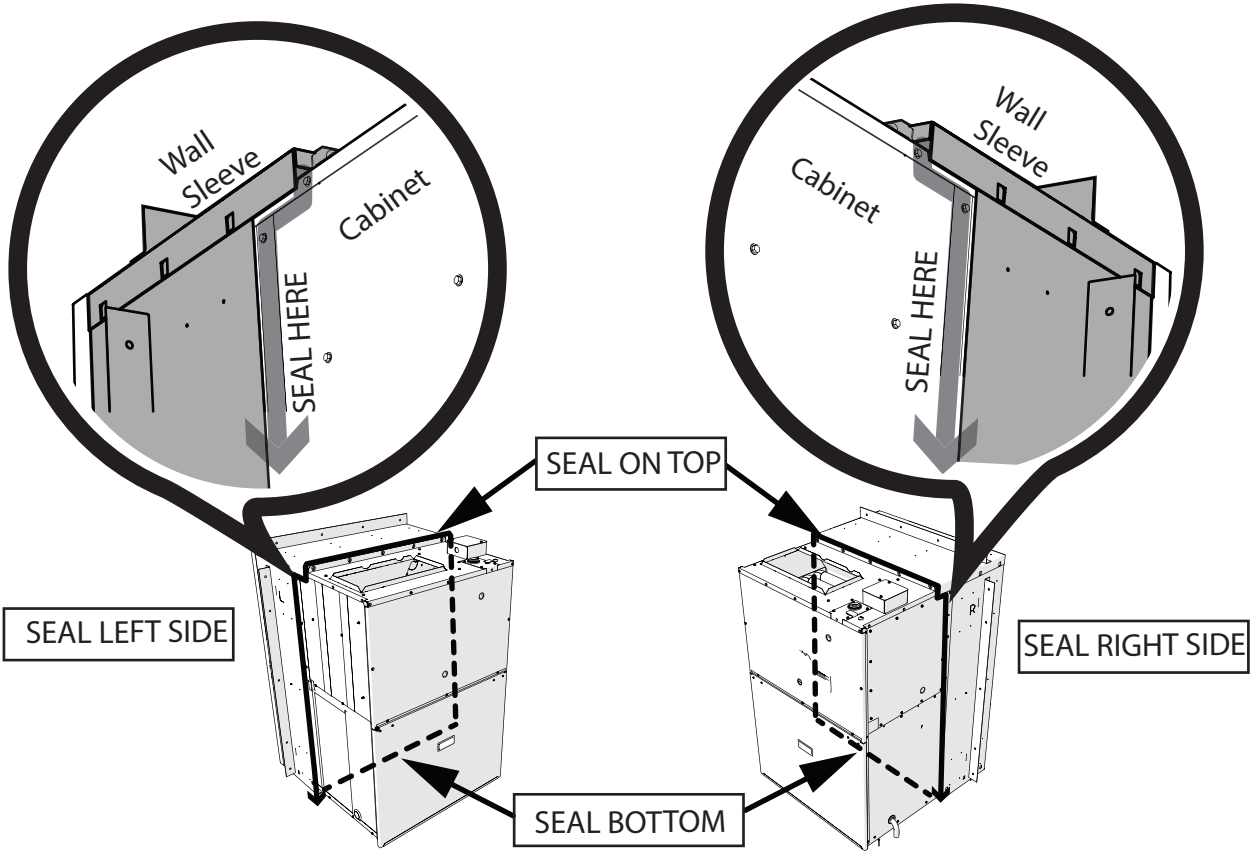
NOTE *****
 ***** Refer to: ENCLOSURE FOR CONDO PACK Figure 1, page 5.



CONDO PACK SHOWN IN WALL SLEEVE



SEALING: WALL SLEEVE AND CONDO PACK CABINET



Fill the clearance space between the sleeve and the cabinet with non-hardening caulking compound or non-expanding insulation foam as a protection against the snow, water, moisture and air infiltration.

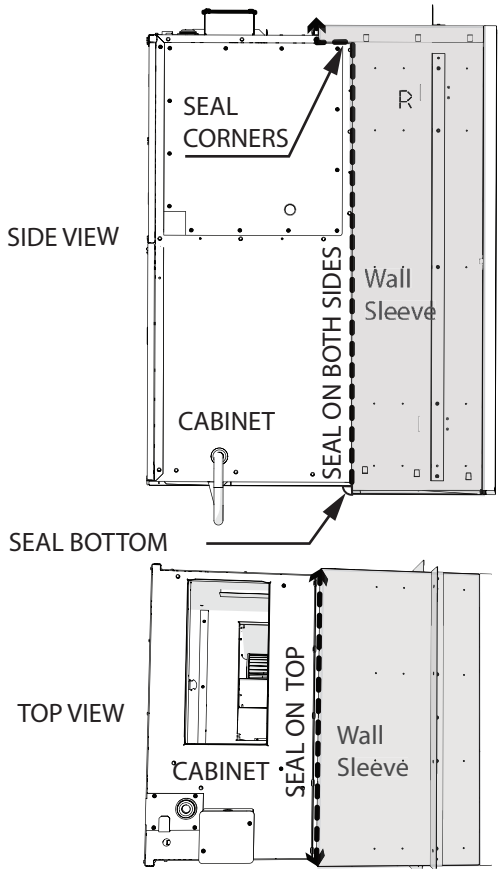
⚠ IMPORTANT ⚠

THE CLEARANCE SPACE BETWEEN THE WALL SLEEVE AND THE CABINET MUST BE COMPLETELY SEALED ON ALL FOUR SIDES IN ORDER TO PREVENT THE MOISTURE AND AIR INFILTRATION.

⚠ WARNING ⚠

THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSTALLATION, ADJUSTMENT AND OPERATION OF THE UNIT. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION OR OPERATION.

IMPROPER INSTALLATION, ADJUSTMENT, SERVICE, OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH. FOR INFORMATION AND ASSISTANCE CONSULT A QUALIFIED INSTALLER OR SERVICE AGENCY.



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