

Technical Specifications



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

PSS - SERIES

Mid Efficiency Gas Heat / Electric Cooling

Self contained, Standard efficiency Thru-The-Wall heating & cooling unit
Up to 80% AFUE/Thermal Efficiency, AHRI Certified
Input 26 000 - 64 000 Btu/h

FEATURES

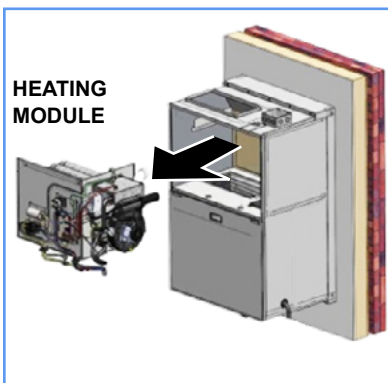


COMPATIBLE BOX SIZE

- 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
- Custom color options are available

HEATING FEATURES

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

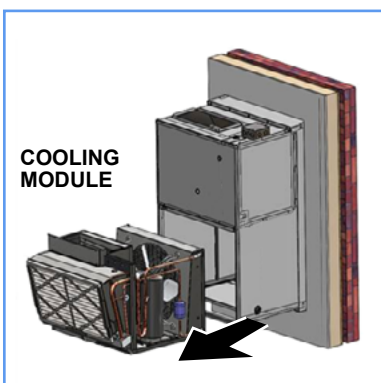


CIRCULATION BLOWER

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

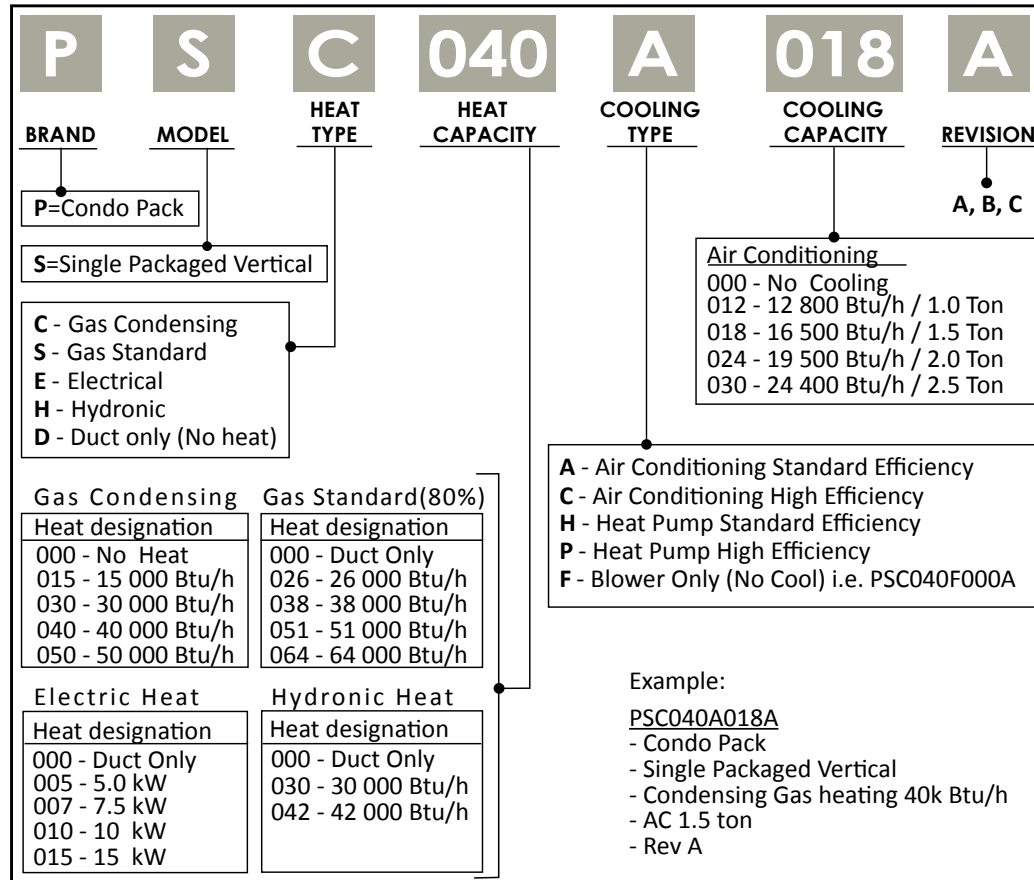
COOLING FEATURES

- Up to 10.8 EER
- R-410A Refrigerant System
- Micro-Channel Condenser and Evaporator Coils
- High Efficiency Copeland Scroll Compressors



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	PSS026A012A	PSS026A018A	PSS026A024A	PSS026A030A	PSS038A012A	PSS038A018A	PSS038A024A	PSS038A030A
Thermal Efficiency	80%	80%	80%	80%	80%	80%	80%	80%
AFUE	80%	80%	80%	80%	80%	80%	80%	80%
Input BTU/H	26,000	26,000	26,000	26,000	38,000	38,000	38,000	38,000
Output BTU/H (Thermal Efficiency)	20,800	20,800	20,800	20,800	30,400	30,400	30,400	30,400
Output BTU/H (AFUE)	20,800	20,800	20,800	20,800	30,400	30,400	30,400	30,400
COOLING								
BTU/H	12,800	16,500	19,500	24,400	12,800	16,500	19,500	24,400
EER	10.8	9.6	9.0	9.0	10.8	9.6	9.0	9.0
REF.	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
WEIGHT (lb)	328	349	349	349	328	349	349	349

HEATING	PSS051A012A	PSS051A018A	PSS051A024A	PSS051A030A	PSS064A012A	PSS064A018A	PSS064A024A	PSS064A030A
Thermal Efficiency	80%	80%	80%	80%	80%	80%	80%	80%
AFUE	80%	80%	80%	80%	80%	80%	80%	80%
Input BTU/H	51,000	51,000	51,000	51,000	64,000	64,000	64,000	64,000
Output BTU/H (Thermal Efficiency)	40,800	40,800	40,800	40,800	51,200	51,200	51,200	51,200
Output BTU/H (AFUE)	40,800	40,800	40,800	40,800	51,200	51,200	51,200	51,200
COOLING								
BTU/H	12,800	16,500	19,500	24,400	12,800	16,500	19,500	24,400
EER	10.8	9.6	9.0	9.0	10.8	9.6	9.0	9.0
REF.	RR410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
WEIGHT (lb)	328	349	349	349	328	349	349	349

AIR FLOW

HEATING				CFM at external static pressure, inches Water Column									
Module No.	BTU/h	SETTING	SPEED	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CSGM026A	26 kBTU/h	Factory	5	433	429	405	330	283	260	227	202	-	-
		High	4	565	535	524	488	421	380	337	300	283	259
CSGM038A	38 kBTU/h	Factory	4	565	535	524	488	421	380	337	300	283	259
		High	3	768	745	731	711	688	661	626	591	553	522
CSGM051A	51 kBTU/h	Factory	3	768	745	731	711	688	661	626	591	553	522
		High	2	931	902	886	867	859	839	818	781	721	637
CSGM064A	64 kBTU/h	Factory	2	931	902	886	867	859	839	818	781	721	637
		High	1	998	976	957	931	907	889	845	805	747	648
COOLING													
Module No.	Size	SETTING	SPEED	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
CACM012A	1.0 TON	Factory	5	433	429	405	330	283	260	227	202	-	-
		High	4	565	535	524	488	421	380	337	300	283	259
CACM018A	1.5 TON	Factory	3	768	745	731	711	688	661	626	591	553	522
		High	2	931	902	886	867	859	839	818	781	721	637
CACM024A	2.0 TON	Factory	3	768	745	731	711	688	661	626	591	553	522
		High	2	931	902	886	867	859	839	818	781	721	637
CACM030A	2.5 TON	Factory	1	998	976	957	931	907	889	845	805	747	648

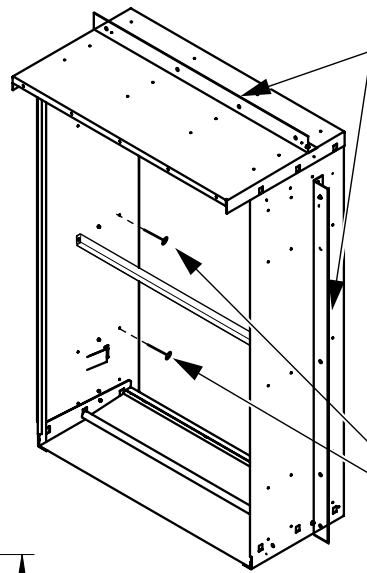
ELECTRICAL

Description	1.0 TON	1.5 TON	2.0 TON	2.5 TON
Compressor Type	Rotary	Scroll	Scroll	Scroll
Rated Amps	5.5	9	13.5	12.8
LRA	26	48	58.3	64
MCA	10.7	15.1	20.7	20.3
Max Fuse/Breaker (A)	15	20	30	30
Indoor Fan FLA / HP / RPM	2.8 / 1/3 / 1050	2.8 / 1/3 / 1050	2.8 / 1/3 / 1050	2.8 / 1/3 / 1050
Condenser Fan FLA / HP / RPM	1.0 / 1/6 / 1075	1.0 / 1/6 / 1075	1.0 / 1/6 / 1075	1.5 / 1/4 / 1075
Combustion Fan FLA	1.25	1.25	1.25	1.25

GAS CONTROLS AND ADDITIONAL DATA

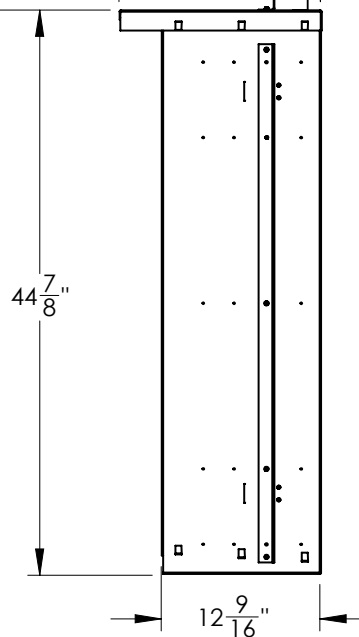
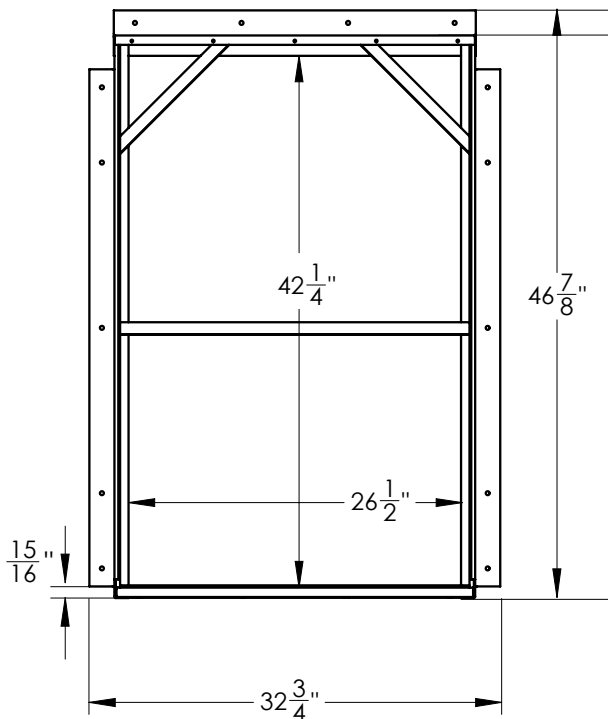
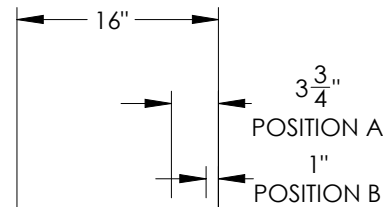
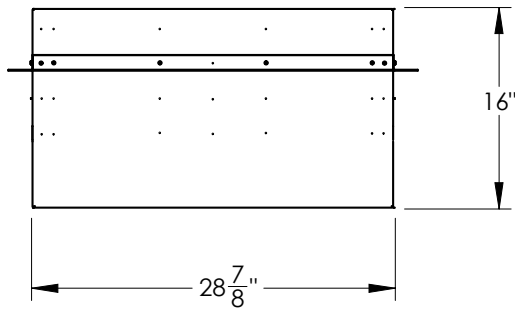
IGNITION SYSTEM	SPARK IGNITION
GAS CONNECTION	1/2" NPT

WALL SLEEVE DIMENSIONS

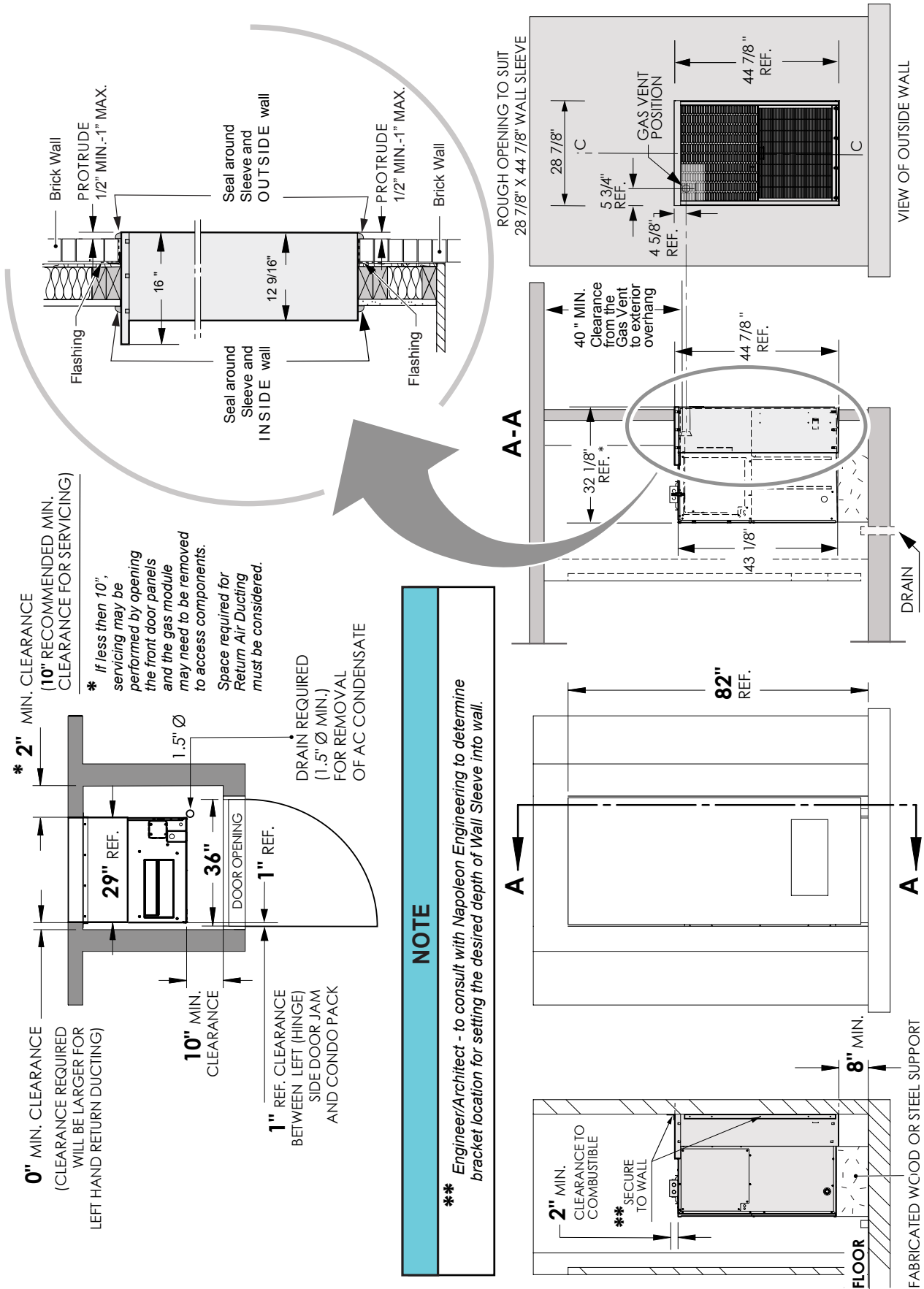


TO IMPROVE RIGIDITY AND REDUCTION IN VIBRATION WALL MOUNTING, BRACKETS CAN BE USED TO AFFIX WALL SLEEVE TO BUILDING SUB STRUCTURE FROM INSIDE OR OUTSIDE BUILDING. ENGINEER/ ARCHITECT TO CONSULT WITH NAPOLEON ENGINEERING TO DETERMINE BRACKET LOCATION FOR SETTING THE DESIRED DEPTH OF WALL SLEEVE INTO WALL.

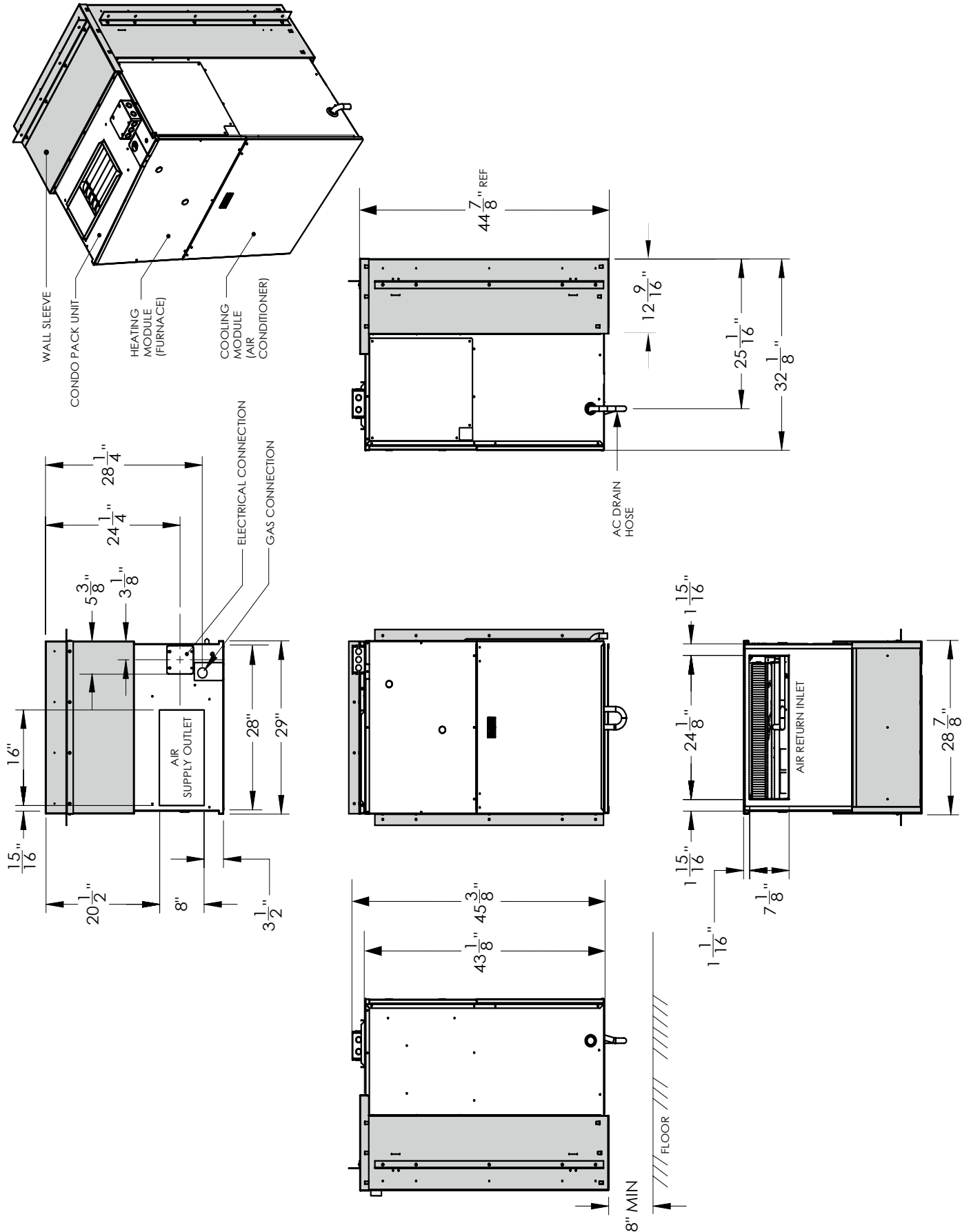
WALL SLEEVE IS DIRECTLY LAGGED TO WALL SUBSTRUCTURE.



ENCLOSURE FOR CONDO PACK



CONDO PACK SHOWN IN WALL SLEEVE





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