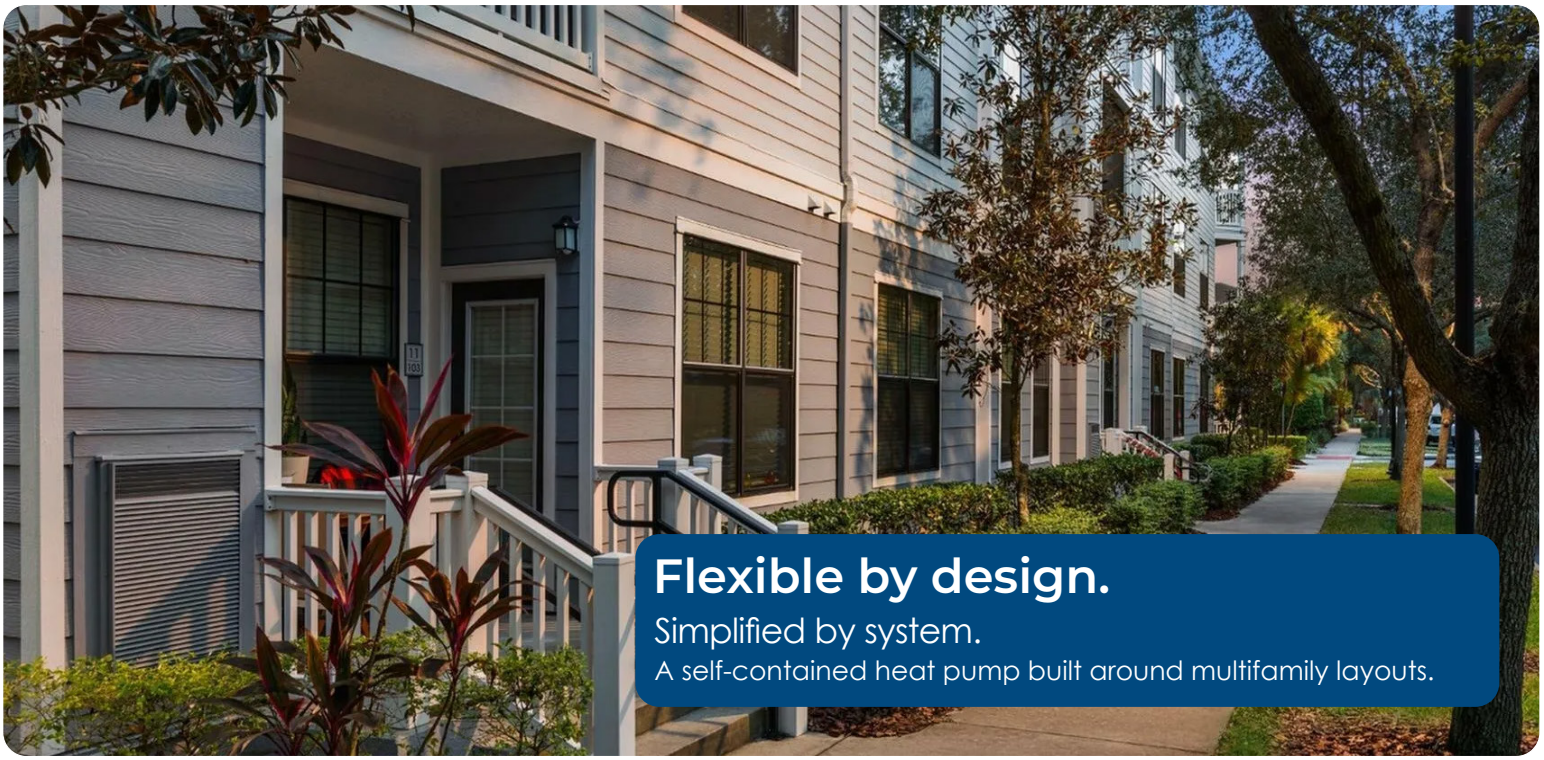
Comfort Pack Flex

Thru-the-Wall Packaged Heat Pump



1.5-2.5

TONS

Capacity options for varied floor plans

14.3

SEER2

Up to 14.3 SEER2 performance

4

CONFIGURATIONS

Return-air and service access options

One system. More ways to make the plan work.

Built for design, installation, and service flexibility

Choose sleeve-mounted or unit-mounted configurations, clear anodized aluminum, painted baked-enamel finishes, or economical powder-coated steel options.

Go Thru-the-Wall

Designed around the realities of multifamily HVAC.

Flexible layouts. Self-contained operation. Interior service access.

DESIGN FLEXIBILITY

- Precharged, prewired self-contained heat pump
- Four return-air and blower access configurations
- Separate evaporator and condenser drain connections
- Fully insulated cabinet to reduce thermal losses
- Adjustable five-speed DC indoor motor
- Refrigerant leak detection system
- Various sizes of wall sleeves

HEAT PUMP SYSTEM

- Separate access for condenser and evaporator sections
- Low loss CoreMax refrigeration service ports
- R-454B high efficiency scroll compressor
- Separate TXVs for cooling and heat pump operation

OPTIONAL HEATING

- Field-installed auxiliary electric heat kits up to 15kW
- Two-stage electric heat with triac control board
- Automatic-reset thermal limits and breaker protection

COMFORT PACK FLEX

One cabinet. Four configurations.

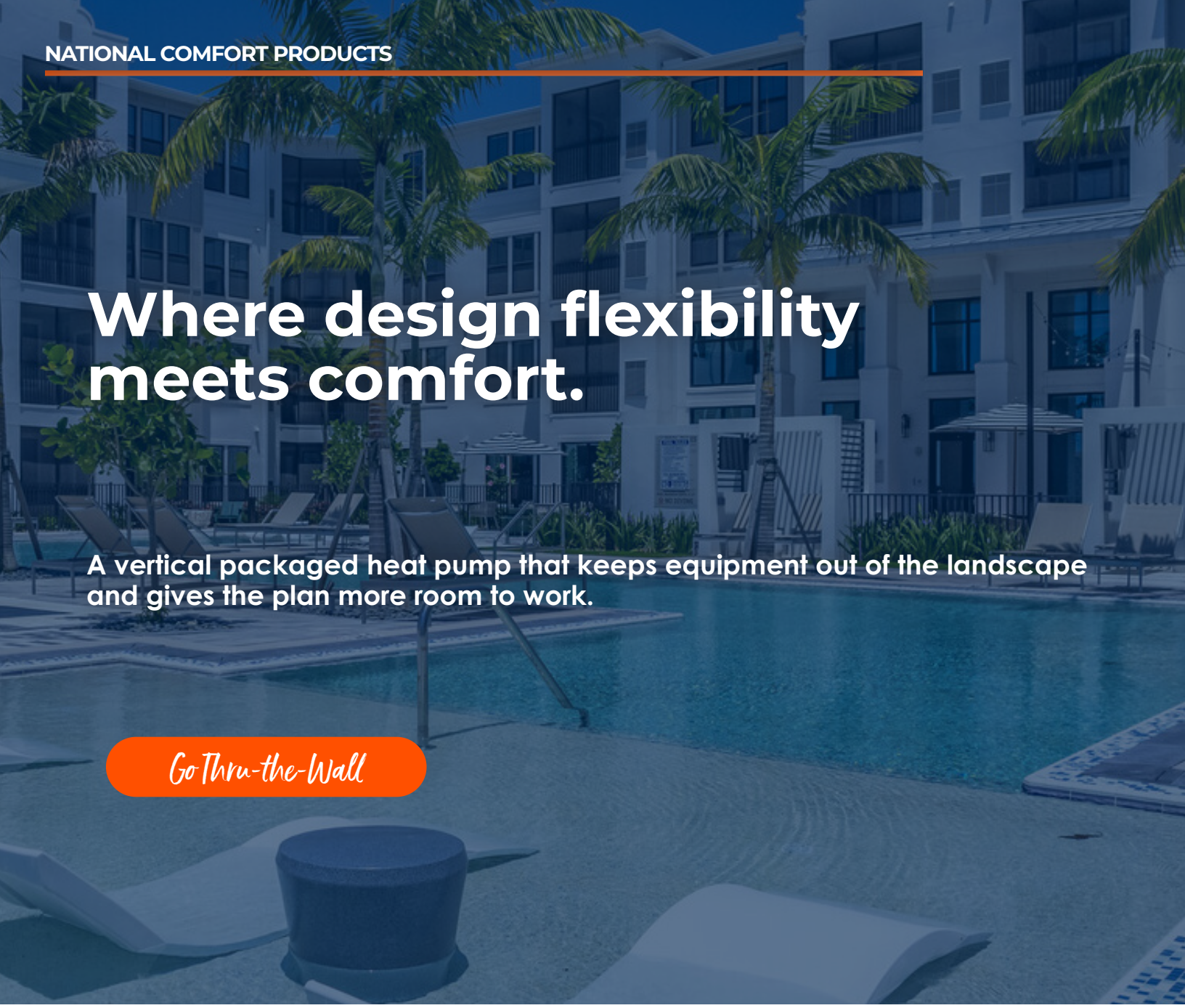
R-454B

1.5-2.5 TONS

UP TO 14.3 SEER2

2026 NOMENCLATURE

FC	H	5	18	00	L	A	-	A
Product FC = Flex Comfort Pack	**Product Type** H = Heat Pump	***Refrigerant*** 5 = R-454B	***Clg. Capacity*** 18 = 1.5 Ton 24 = 2 Ton 30 = 2.5 Ton	***Htg. Capacity*** 00 = 0 kW 03 = 3 kW 05 = 5 kW 07 = 7 kW 10 = 10 kW 15 = 15 kW	***Return Air & Blwr. Acc. Option*** L = Left Hand Return Front Access R = Right Hand Return Front Access K = Front Return Left Hand Access F = Front Return Right Hand Access	***Generation***		***Option*** **A** = Standard



Where design flexibility meets comfort.

A vertical packaged heat pump that keeps equipment out of the landscape and gives the plan more room to work.

Go Thru-the-Wall

01

SELF-CONTAINED

No remote outdoor condensing unit.

02

LAYOUT FLEXIBILITY

Four return and service configurations.

03

SERVICE ACCESS

Major components accessed from indoors.

Performance & Unit Data

Rated performance, heat-kit selection, and model information.

Model	Ship weight (lbs)	Compressor RLA	Compressor LRA	MCA	MOP
FCH51800*A-A	250	7.2	47	14.8	20
FCH52400*A-A	250	9.0	63	17.1	25
FCH53000*A-A	250	12.5	67	21.4	30

COND. FAN MOTOR	1/4 HP, 1075 RPM, 2.0 FLA
CONDENSER COIL	4.49 ft² Face Area, 15 FPI
EVAP. FAN MOTOR	1/2 HP, 1050 RPM, 3.8 FLA
EVAP. COIL	3.33 ft2 Face Area, 16 FPI

Cooling Data | Up to 14.3 SEER2

Model	Nominal Tonnage	Rated Capacity[1] (Btu/h)	Rated EER2	Nominal Airflow (SCFM)[2]	Refrigerant Charge (Oz.)	SEER2
FCH51800*A-A	1.5	18,000	12	630	69	14.3
FCH52400*A-A	2.0	24,000	12	810	69	14.0
FCH53000*A-A	2.5	28,400	11.5	940	85	13.5

1. The cooling capacity are based of outdoor condition at 95°F DB and indoor condition at 80°F DB, 67°F WB
2. The nominal Airflow values are from factory speed settings of the blower at 0.3" ESP.

Heating Data | 7.5 HSPF2

Model	Nominal Tonnage	Rated Capacity (47°F)(Btu/h)	Rated COP2	Rated Capacity (35°F)(Btu/h)	Rated COP2	Rated Capacity (17°F)(Btu/h)	Rated COP2	Rated Capacity (5°F)(Btu/h)	Rated COP2
FCH51800*A-A	1.5	17,000	3.5	13,000	2.8	9,800	2.2	8,000	1.7
FCH52400*A-A	2.0	23,000		17,800		14,600		11,000	
FCH53000*A-A	2.5	27,000		20,400		15,800		13,400	

Electric Heat Kit Information

Model	Nominal Tonnage	Heat Kit[1]	Heat Btu/h		Heating kW		Heating Amps	
			208V	230V	208V	230V	208V	230V
FCH51800*A-A	1.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15
FCH52400*A-A	2.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15
FCH53000*A-A	2.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		CPEHK03	8,900	10,900	2.61	3.19	12.54	13.89
		CPEHK05	13,100	16,000	3.84	4.69	18.45	20.39
		CPEHK07	18,300	22,400	5.36	6.56	25.78	28.54
		CPEHK10	26,000	32,000	7.62	9.38	36.63	40.77
		CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15

1. The packaged heat pump comes with no electric from factory. Field installation electric heat kits are available to order separately.

Electrical & Airflow Data

Electrical requirements and factory blower-performance data.

Electrical Data | All units have a Voltage of 208/230-1-60

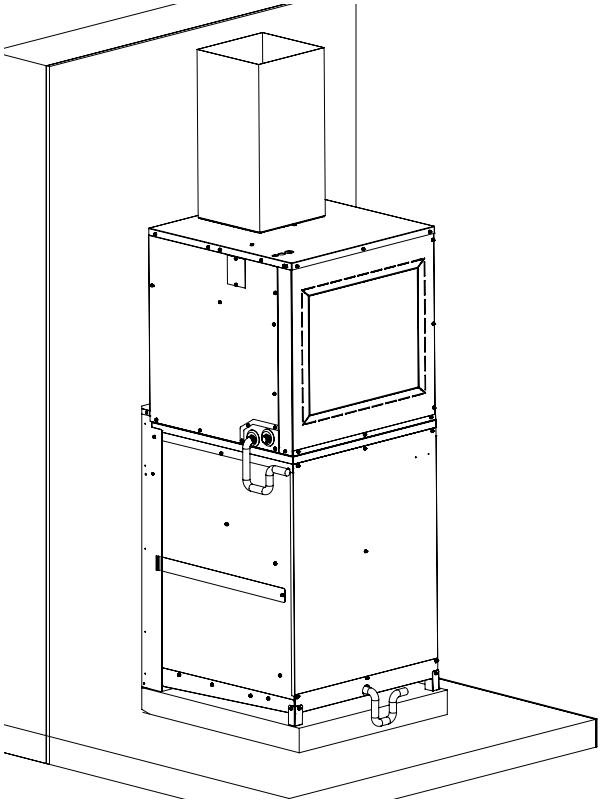
Model	Auxilary Heat Kit	Compressor		Condenser Motor		Blower		Total Amps		MCA		MOP	
		RLA	LRA	HP	FLA	HP	FLA	208V	230V	208V	230V	208V	230V
FCH51800*A-A	N/A	7.2	47	1/4	2.0	1/2	3.8	13.0	13.0	14.8	14.8	20	20
	CPEHK03							16.4	17.7	20.5	22.1	25	25
	CPEHK05							22.2	24.2	27.8	30.2	30	35
	CPEHK07							29.6	32.4	37.0	40.5	40	45
	CPEHK10							40.5	44.5	50.7	55.6	60	60
	CPEHK15							38.8	42.6	49.1	54.0	50	60
								20.4	22.3	24.6	27.0	25	30
FCH52400*A-A	N/A	9.0	63	1/4	2.0	1/2	3.8	14.8	14.8	17.1	17.1	25	25
	CPEHK03							16.4	17.7	20.5	22.1	25	25
	CPEHK05							22.2	24.2	27.8	30.2	30	35
	CPEHK07							29.6	32.4	37.0	40.5	40	45
	CPEHK10							40.5	44.5	50.7	55.6	60	60
	CPEHK15							38.8	42.6	49.1	54.0	50	60
								20.4	22.3	24.6	27.0	25	30
FCH53000*A-A	N/A	12.5	67	1/4	2.0	1/2	3.8	18.3	18.3	21.4	21.4	30	30
	CPEHK03							30.9	32.2	21.4	22.1	30	30
	CPEHK05							36.7	38.7	27.8	30.2	30	35
	CPEHK07							44.1	46.9	37.0	40.5	40	45
	CPEHK10							55.0	59.0	50.7	55.6	60	60
	CPEHK15							49.0	52.8	49.1	54.0	50	60
								24.5	26.4	24.6	27.0	25	30

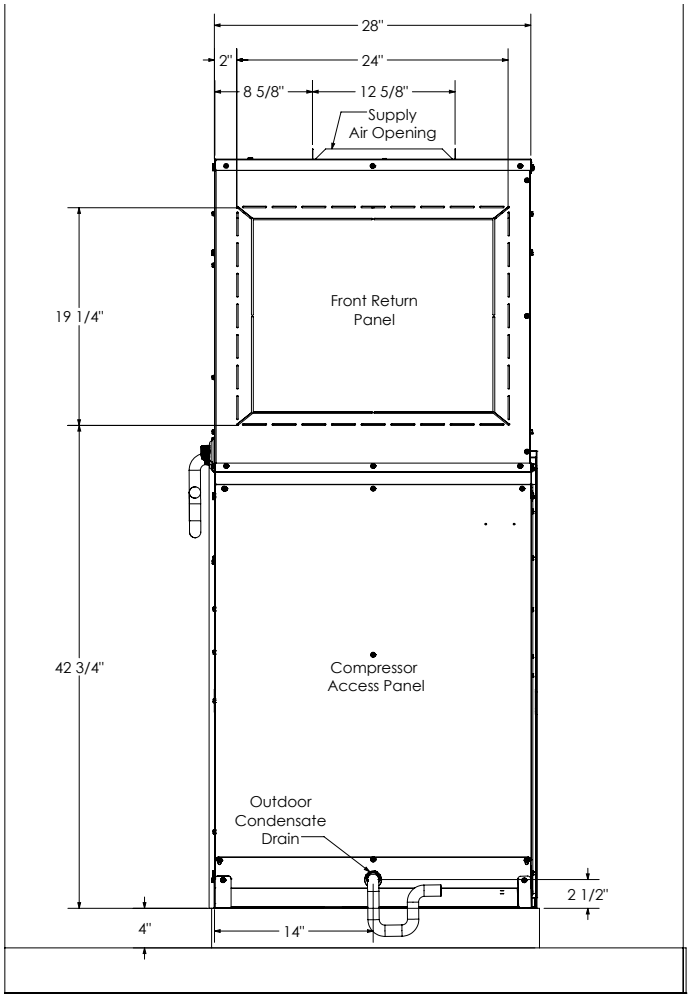
Air Flow Data

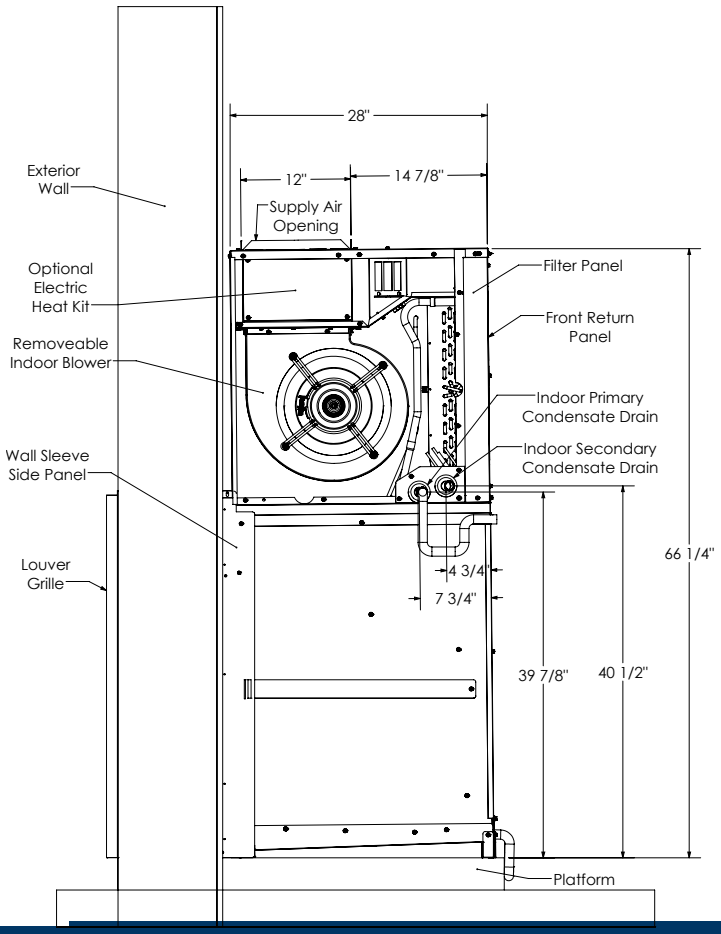
Model	Blower Speeds	ESP (in. wc) / SCFM[1]				
		0.1	0.2	0.3	0.4	0.5
FCH51800*A-A FCH52400*A-A FCH53000*A-A	Orange (low)	675	624	563	493	414
	Black (Med. Low)	719	648	588	539	501
	Blue (Med.)	905	862	819	775	731
	Yellow (Med. High)	1006	946	924	886	849
	Red (High)	1042	998	959	924	893

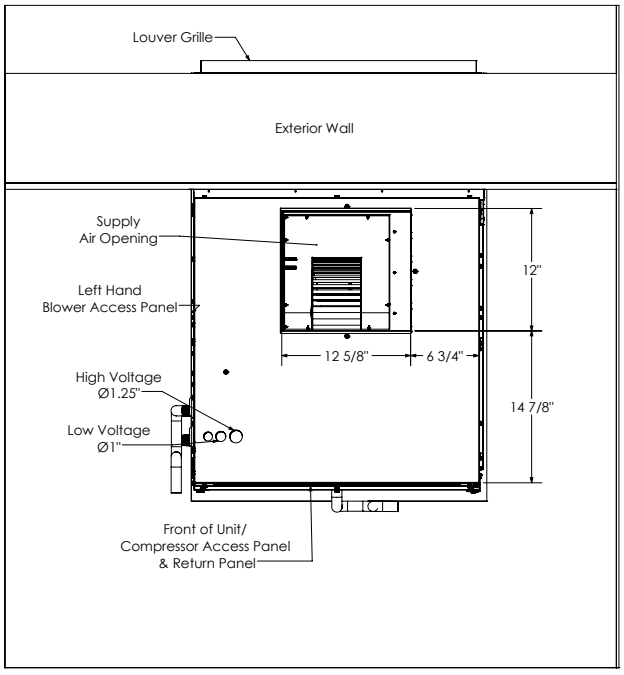
1. The airflow data is conducted with a filter at dry coil conditions.

Option K | Front Return, Left Hand Access

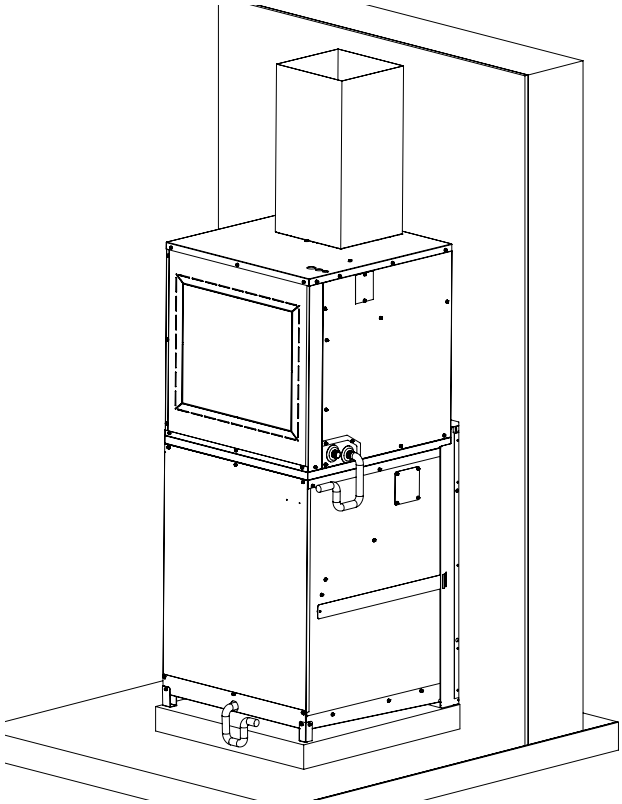


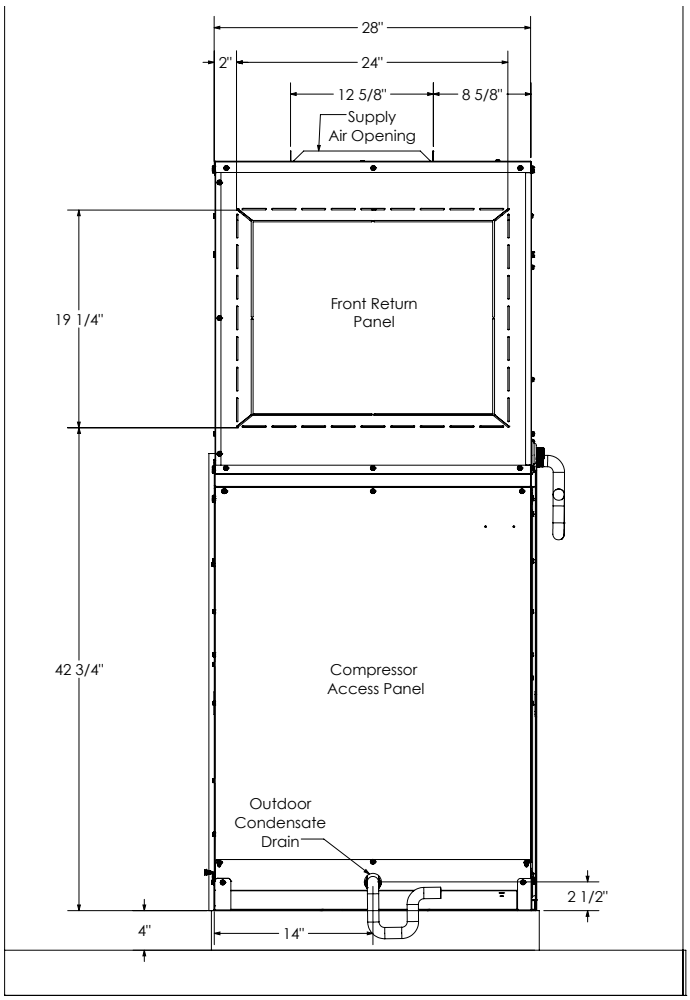


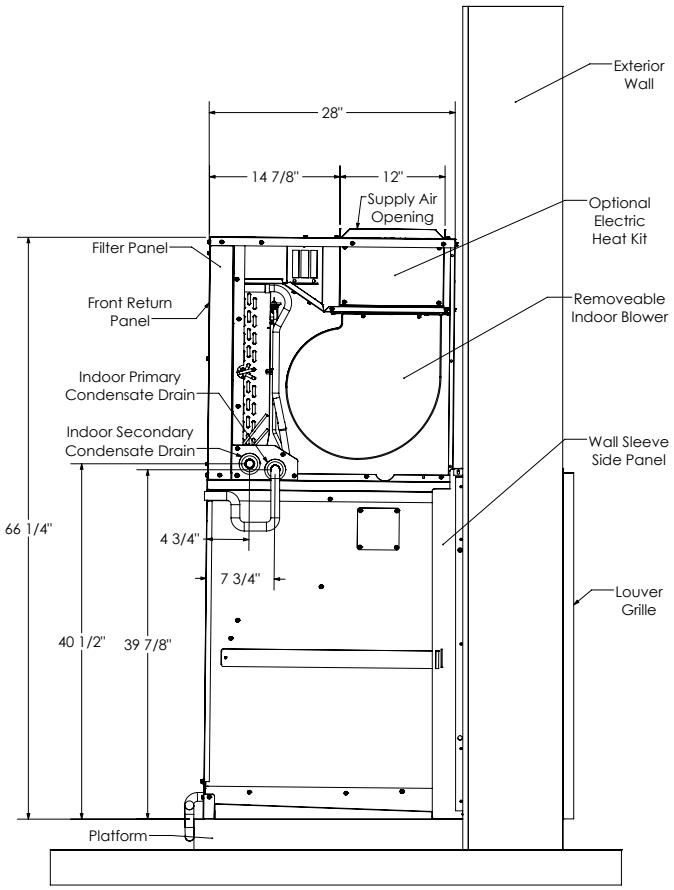


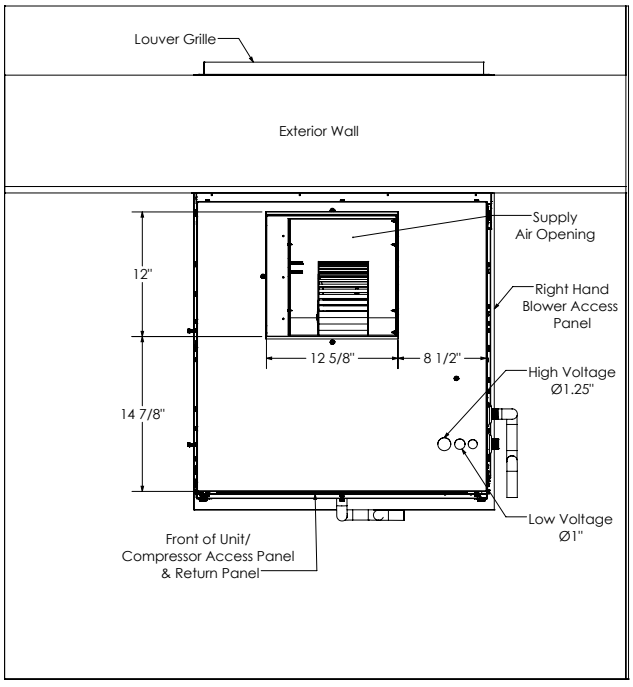


Option F | Front Return, Right Hand Access

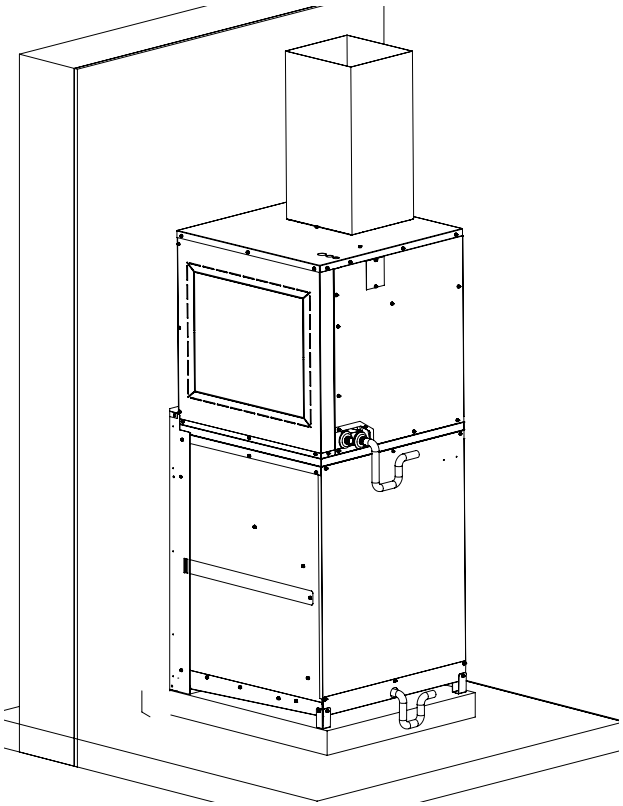


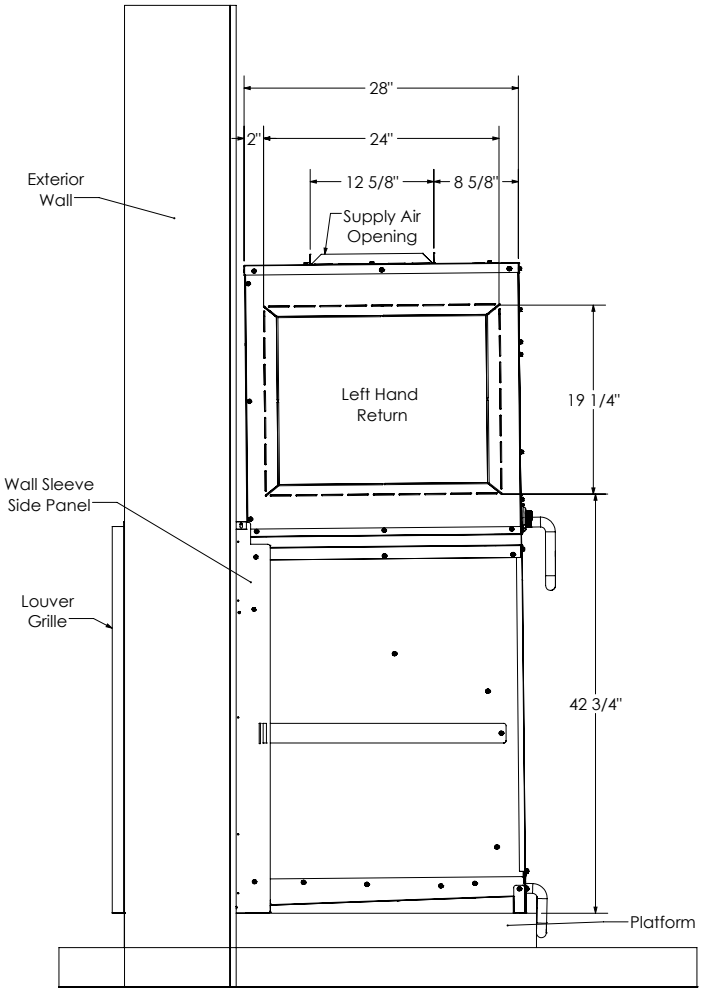


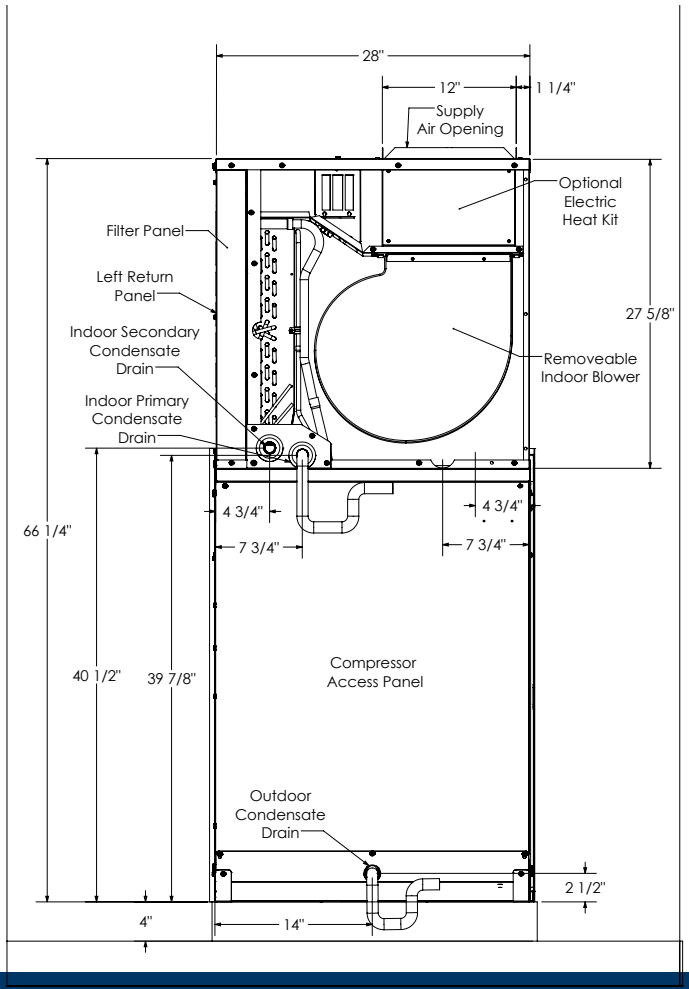


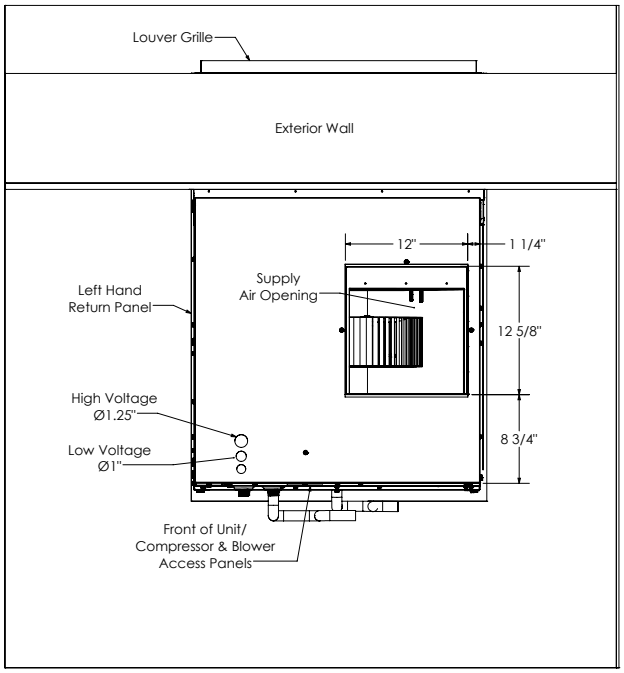


Option L | Left Hand Return, Front Access

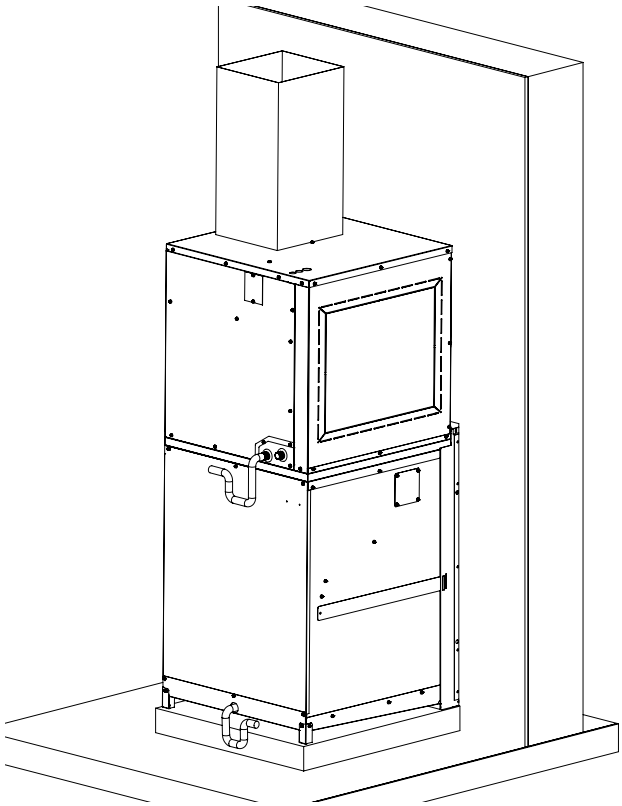


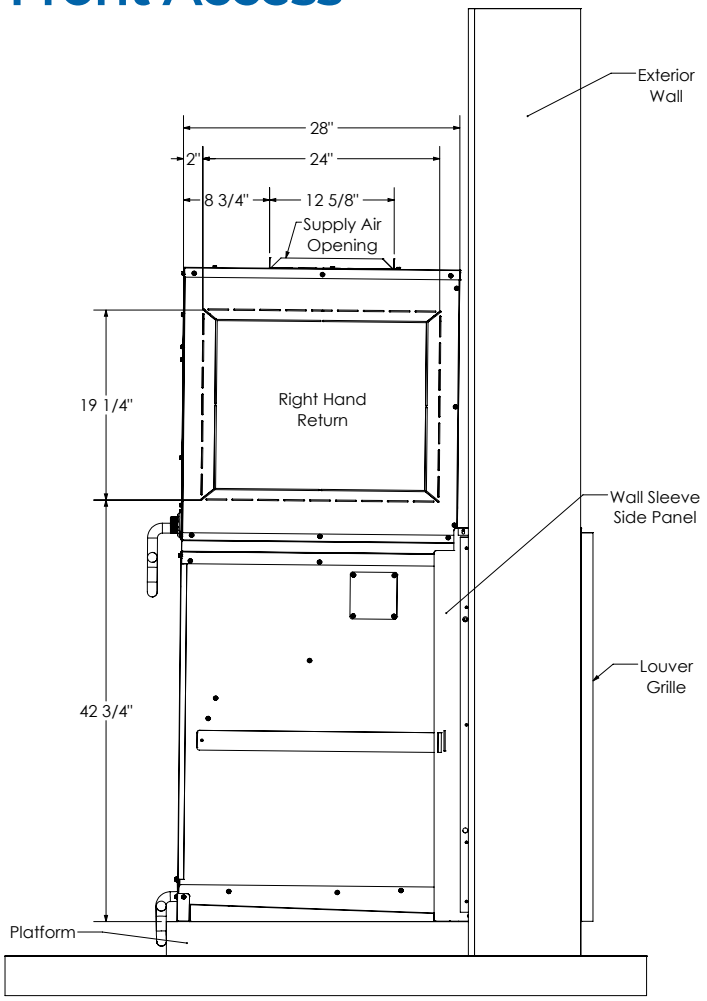


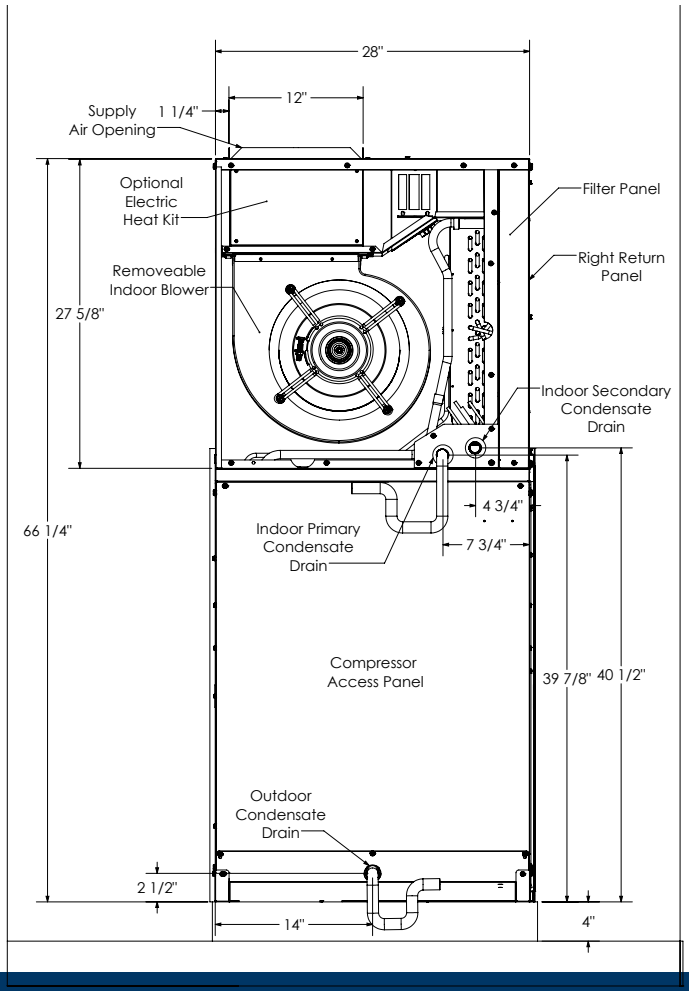


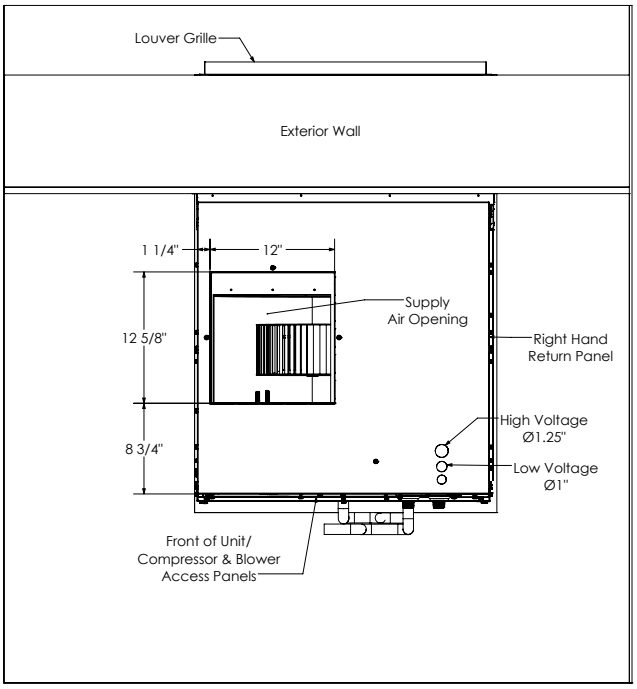


Option R | Right Hand Return, Front Access









Front Return Closet Clearances

Rear and side installation clearance guidance for Options K and F.

Closet Installation & Service Clearances

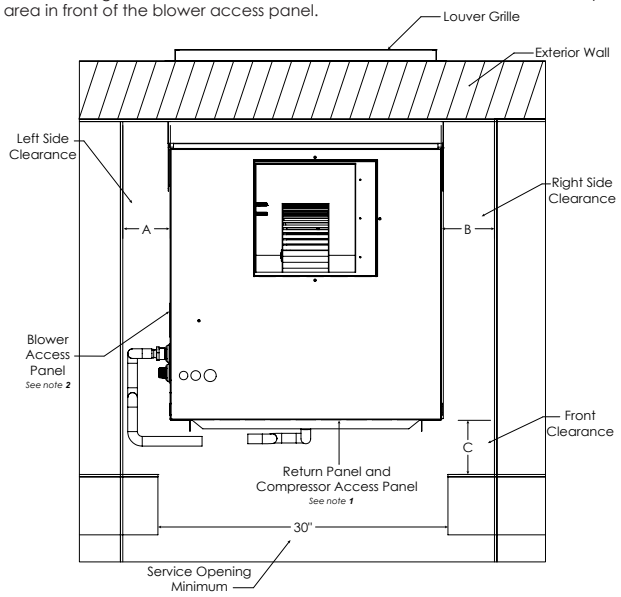
Left Hand Access Service Clearance

Rear Installation

A	B	C
5 ¼"[2]	1"	4"[1]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.

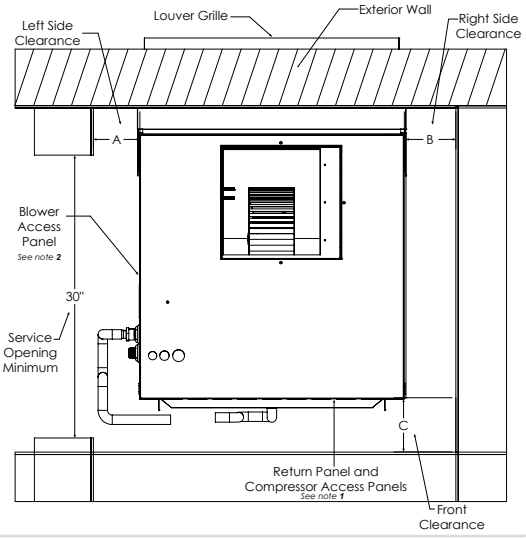


Side Installation

A	B	C
5 ¼"[2]	1"	12"[1]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to. For servicing and maintenance for compressor, leave a minimum of 30" of unobstructed open area in front of the compressor access panel.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.



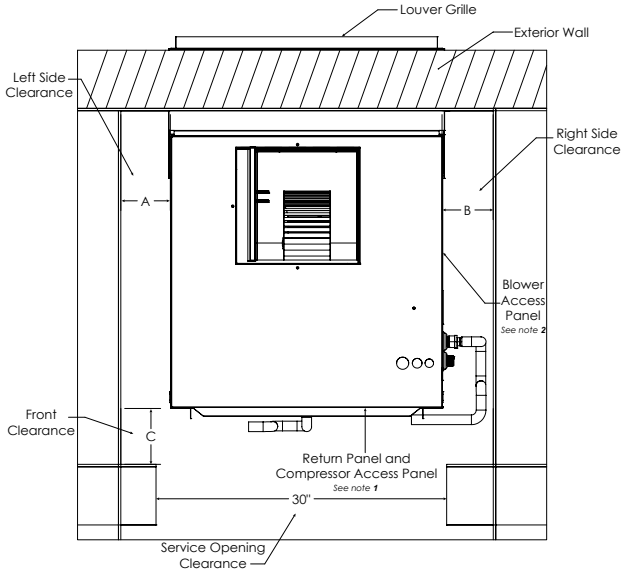
Right Hand Access Service Clearance

Rear Installation

A	B	C
1"	5 ¼"[2]	4"[1]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.

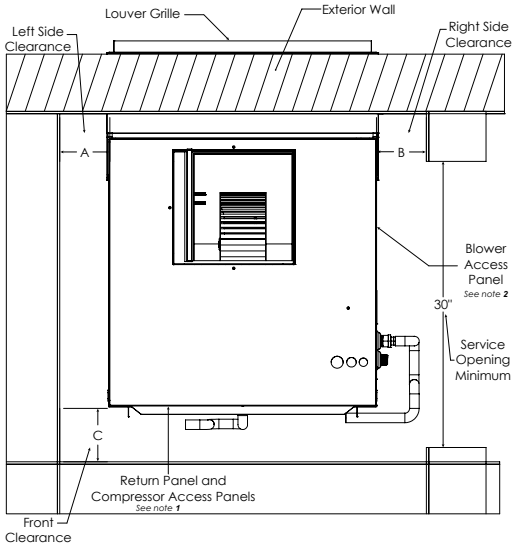


Side Installation

A	B	C
1"	5 ¼"[2]	12"[1]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to. For servicing and maintenance for compressor, leave a minimum of 30" of unobstructed open area in front of the compressor access panel.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.



Side Return Closet Clearances

Rear and side installation clearance guidance for Options L and R.

Closet Installation & Service Clearances

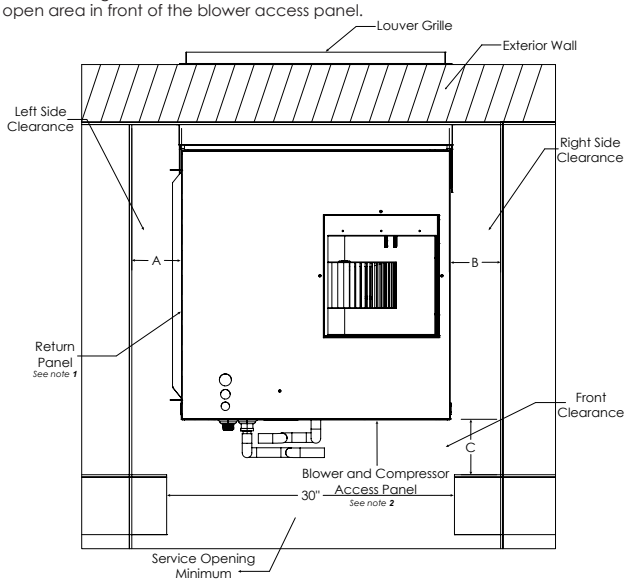
Left Hand Return Front Access Service Clearance

Rear Installation

A	B	C
4"[1]	1"	5 ¼"[2]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.

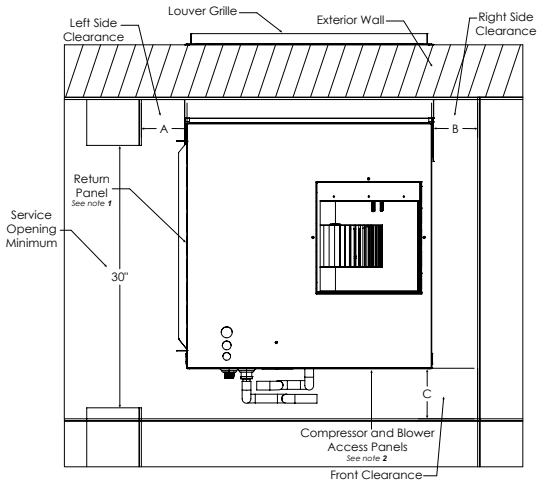


Side Installation

A	B	C
4"[1]	1"	12"[2]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 30" of unobstructed open area in front of the compressor access panels.



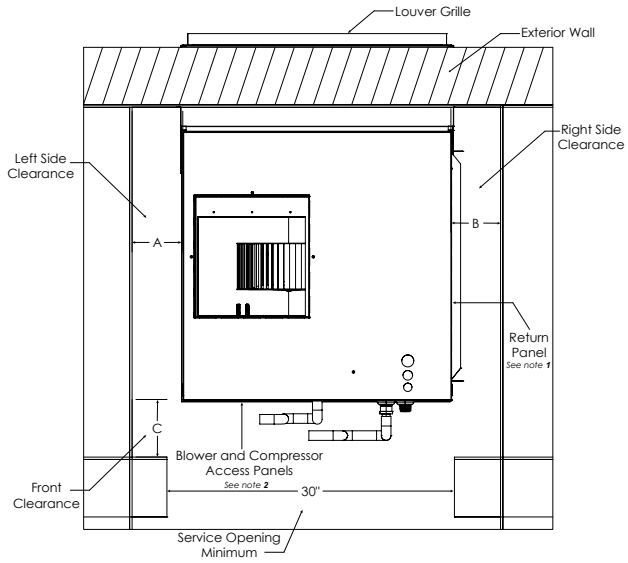
Right Hand Return Front Access Service Clearance

Rear Installation

A	B	C
1"	4"[1]	5 ¼"[2]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 29" of unobstructed open area in front of the blower access panel.

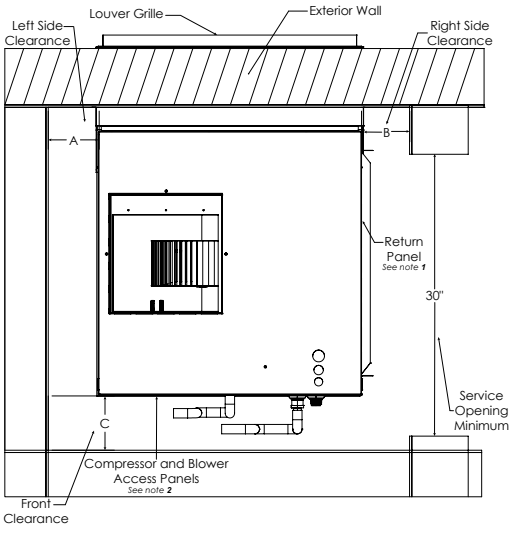


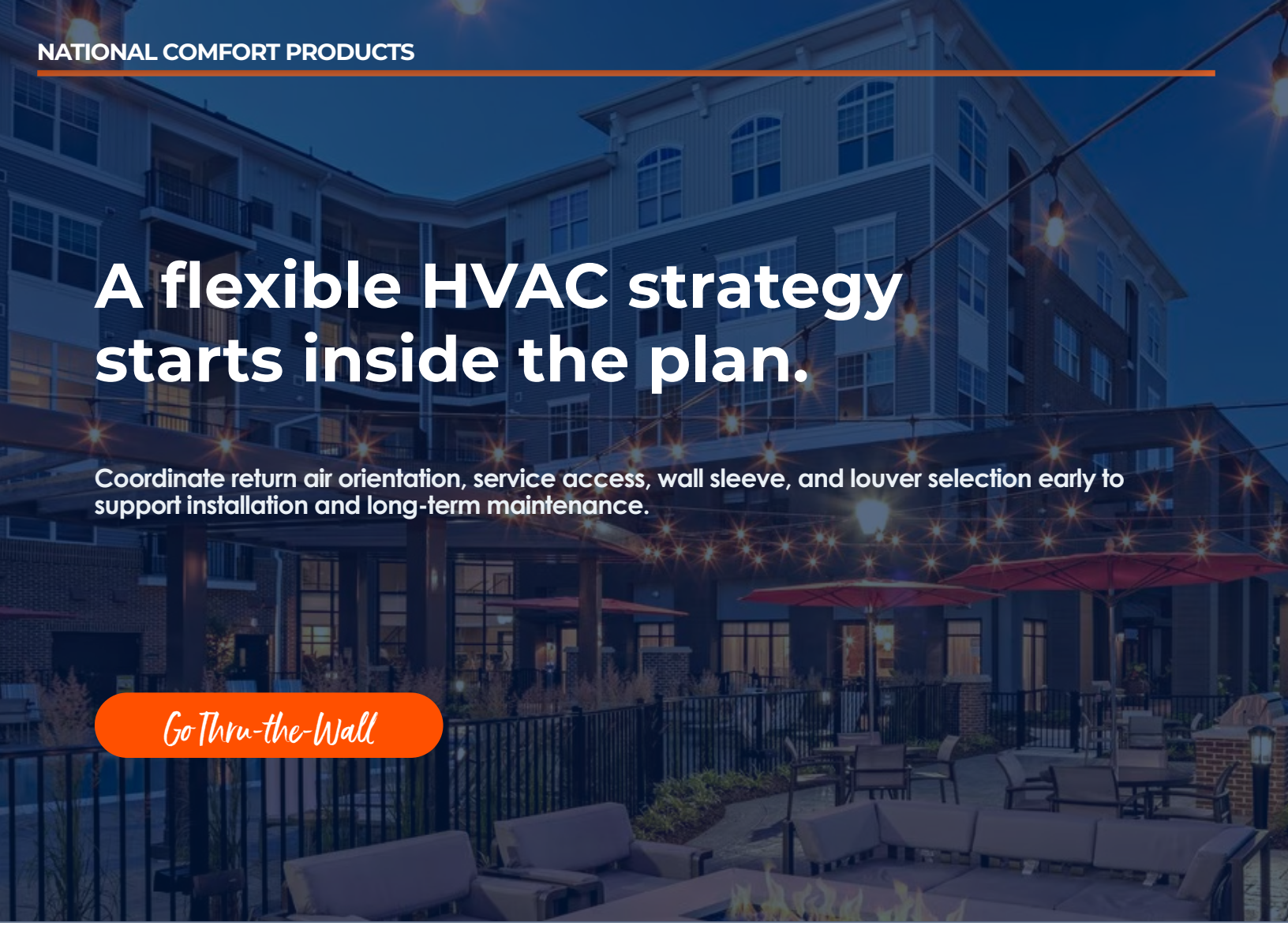
Side Installation

A	B	C
1"	4"[1]	12"[2]

[1] If ductwork is attached to the return opening, additional clearance is necessary. Local codes must be adheared to.

[2] For servicing and maintenance, leave a minimum of 30" of unobstructed open area in front of the compressor access panels.





A flexible HVAC strategy starts inside the plan.

Coordinate return air orientation, service access, wall sleeve, and louver selection early to support installation and long-term maintenance.

Go Thru-the-Wall

National Comfort Products
AN AERITEK BRAND

539 Dunksferry Road | Bensalem, PA 19020-5908
(800) 523-7138 | www.nationalcomfortproducts.com

PROJECT ASSISTANCE: ncpsales@aeritek.com

Intertek 53533

5 YEAR WARRANTY ON PARTS

5 YEAR WARRANTY COMPRESSOR

All specifications are subject to change without notice.
**AHRI Certification pending.

Spec Comfort Pack Flex Heat Pump 2026