Comfort Pack

Universal | Retro

0.75-2.5
NOMINAL COOLING TONS
Universal and Retro capacities

12.5
SEER2
Up to 12.5 SEER2 performance

3
HEAT OPTIONS
80% Gas | 95% Gas | Electric Heat

One proven opening. A complete HVAC solution.

Designed for simpler installation, service, and replacement

Options include non-condensing gas furnace 80% AFUE, condensing gas heat up to 95% AFUE, and electric heat up to 15 kW.

All fit within the industry standard wall opening.

Go Thru-the-Wall

Parts Lookup

Cross Reference

AHRI CERTIFIED® www.ahridirectory.org

One wall opening. One complete comfort solution.

Self-contained heating and cooling engineered for easier installation, service, and replacement.

COMFORT PACK OVERVIEW

The Comfort Pack Universal & Retro fit the industry-standard wall opening (28"W x 43"H) for Thru-the-Wall gas and electric package units with a self-contained cooling chassis, offering easier installation, access, and efficiency.

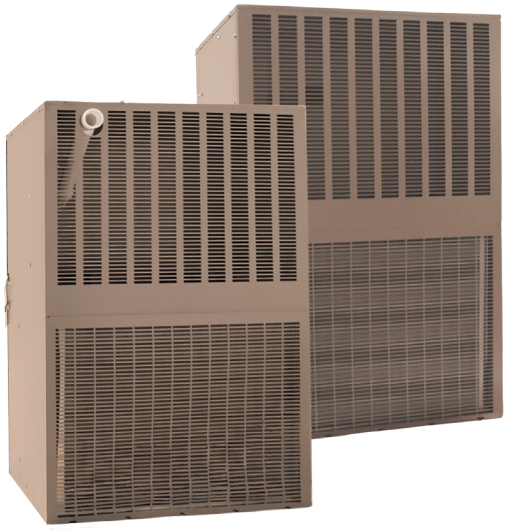
Universal Models range from 0.75 to 2 tons & come pre-charged and pre-wired. The heating sections have an input range up to 64,000 Btuh for gas and 15 KW for electric.

Retro Models currently available in 2.5 tons. The heating sections have an input range up to 64,000 Btuh for gas and 15 kW for electric.

All Comfort Pack Units meet Department of Energy requirements. Thru-the-Wall avoids costs associated with building code requirements for flammable refrigerants.

COMFORT PACK

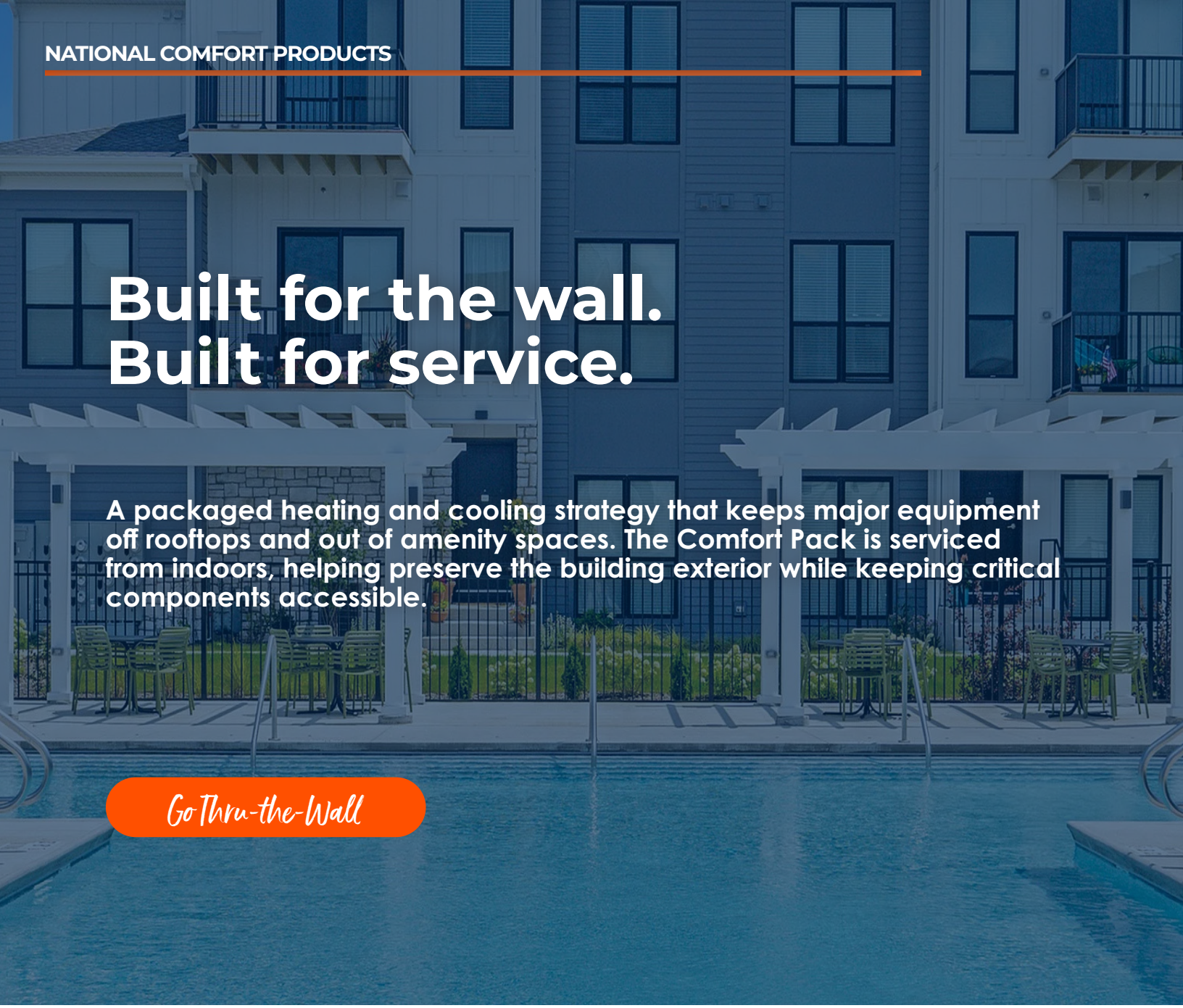
One wall opening. Three heat options.



- **R-454B COOLING CHASSIS**
- **0.75-2.5 TONS**
- **28"W x 43"H**

NOMENCLATURE

Product	Heat Type	Refrig.	Cooling Capacity	Heating Capacity	Series	Gen.	Option
CP Comfort Pack	**8** 8 | 80% Gas 9 | 95% Gas E | Electric	**5** 5 | R-454B	**18** 09 | 0.75 ton 12 | 1.0 ton 18 | 1.5 ton 24 | 2.0 ton 30 | 2.5 ton	**28** *CP8* 28 | 28 MBH 38 | 38 MBH 51 | 51 MBH 64 | 64 MBH **25** *CP9* 25 | 25 MBH 32 | 32 MBH 43 | 43 MBH 50 | 50 MBH **00** *CPE* 00 | 00 MBH **CPE Heat Kits can be found on pg. 6*	**U** U | Universal R | Retro	**A**	**A** A | Standard B | Slotted Door C | w/o Rear Grille D | Both B & C



Built for the wall. Built for service.

A packaged heating and cooling strategy that keeps major equipment off rooftops and out of amenity spaces. The Comfort Pack is serviced from indoors, helping preserve the building exterior while keeping critical components accessible.

Go Thru-the-Wall

01

UNIVERSAL OPENING

28"W x 43"H industry-standard opening.

02

HEAT OPTIONS

80% gas, up to 95% gas, or electric heat.

03

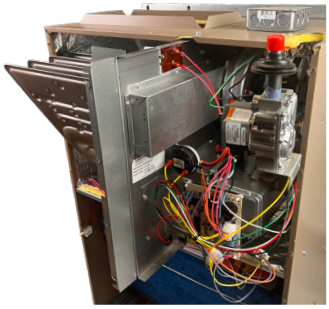
SERVICE ACCESS

Major components slide out from indoors.

Comfort Pack Universal Advantages....Pg 4
Comfort Pack Retro Advantages....Pg 5
Performance & Unit Data....Pg 6
Electrical Data....Pg 7
Airflow, Accessories & Options....Pg 8
Installation Planning....Pg 8
Dimensions & Configurations....Pg 10

Universal Advantages

0.75-2.0 ton packaged gas/electric models for the industry-standard opening.
Universal models come pre-charged and pre-wired. Heating input ranges up to 64,000 Btuh for gas and 15 kW for electric heat.



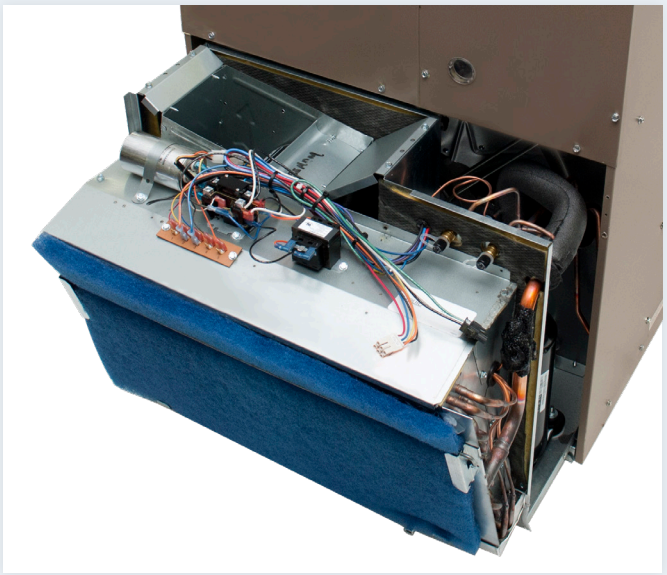
NON CONDENSING GAS FURNACE MODELS

80% AFUE. Slide-out furnace with stainless steel heat exchanger.

CONDENSING GAS FURNACE MODELS

Up to 95% AFUE. Slide-out furnace with stainless steel heat exchanger.

SERVICE-FIRST DESIGN

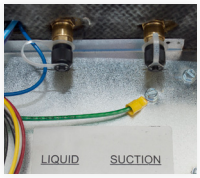


UNIVERSAL COOLING CHASSIS

Slides out for ease of service.

AUXILIARY DRAIN

Provides built-in condensate overflow protection



COREMAX SERVICE PORTS

Easy refrigeration access utilizing low loss Coremax Technology

POLARIZED MOLEX PLUGS

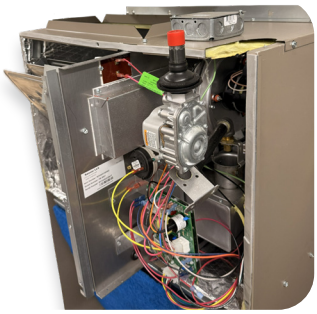
Simple disconnect between the chassis and cabinet.

SELF-CONTAINED AND INDOOR SERVICEABLE

Cooling, heating and service access in one Thru-the-Wall cabinet.

Retro Advantages

2.5 ton packaged gas/electric models for the industry-standard opening.
Retro models have updated chassis access. Heating input ranges up to 64,000 Btuh for gas and 15 kW for electric heat.



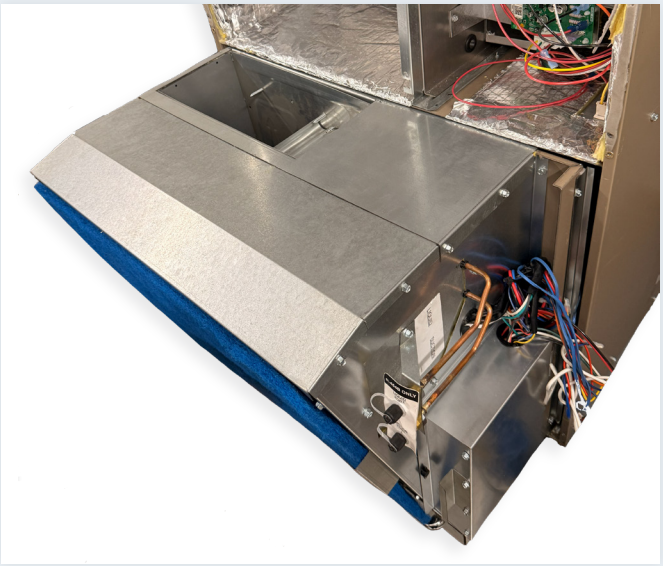
NON CONDENSING GAS FURNACE MODELS

80% AFUE. Slide-out furnace with stainless steel heat exchanger.

CONDENSING GAS FURNACE MODELS

Up to 95% AFUE. Slide-out furnace with stainless steel heat exchanger.

SERVICE-FIRST DESIGN



UNIVERSAL COOLING CHASSIS

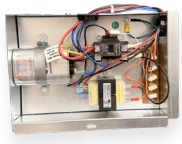
Slides out for ease of service.

SELF-CONTAINED AND INDOOR SERVICEABLE

Cooling, heating and service access in one Thru-the-Wall cabinet.

DRAIN-PAN FLOAT SWITCH

Provides built-in condensate overflow protection.



SLIDE-OUT CONTROL BOX

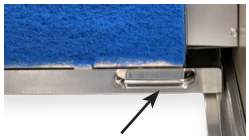
Improves access for service and maintenance.

POLARIZED MOLEX PLUGS

Simple disconnect from the cabinet.

COREMAX SERVICE PORTS

Low loss refrigeration service access



CHASSIS HANDLES

Integrated handles support slide-out access.

Performance & Unit Data

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

CP8 Models

Model	Nominal Cooling Tons	Cooling Btu/h	Sensible Btu/h	SEER2	Charge R-454B (oz.)	Heater Input (Btu/h)	Heater Output (Btu/h)	Shipping Weight (lbs)
CP850928UA	0.75	8,900	6,500	11.7	30	28,000	22,400	315
CP851228UA	1.0	11,800	8,500	12.3		28,000	22,400	
CP851238UA	1.0	11,800	8,500	12.3		38,000	30,400	
CP851828UA	1.5	17,600	12,900	12.5	42	28,000	22,400	325
CP851838UA						38,000	30,400	
CP851851UA						51,000	40,800	
CP851864UA						64,000	51,200	
CP852428UA	2.0	22,400	15,600	12.3	40	28,000	22,400	350
CP852438UA						38,000	30,400	
CP852451UA						51,000	40,800	
CP852464UA						64,000	51,200	
CP853051RA	2.5	27,200	20,500	11.7	48	51,000	40,800	365
CP853064RA						64,000	51,200	

CP9 Models

Model	Nominal Cooling Tons	Cooling Btu/h	Sensible Btu/h	SEER2	Charge R-454B (oz.)	Heater Input (Btu/h)	Heater Output (Btu/h)	AFUE	Shipping Weight (lbs)
CP950925UA	0.75	8,900	6,500	11.7	30	25,000	23,750	95%	315
CP951225UA	1.0	11,800	8,500	12.3		25,000	23,750		
CP951232UA	1.0	11,800	8,500	12.3		32,000	30,400		
CP951825UA	1.5	17,600	12,900	12.5	42	25,000	23,750		325
CP951832UA						32,000	30,400		
CP951843UA						43,000	40,850		
CP951850UA						50,000	46,500	93%	
CP952425UA	2.0	22,400	15,600	12.3	40	25,000	23,750	95%	350
CP952432UA						32,000	30,400		
CP952443UA						43,000	40,850		
CP952450UA						50,000	46,500	93%	
CP953043RA	2.5	27,200	20,500	11.7	48	43,000	40,850	95%	365
CP953050RA						50,000	46,500	93%	

CPE Models

Model	Nominal Cooling Tons	Cooling Btu/h	Sensible Btu/h	SEER2	Charge R-454B (oz.)	Shipping Weight (lbs)
CPE50900UA	0.75	8,900	6,500	11.7	30	315
CPE51200UA	1.0	11,800	8,500	12.3		
CPE51800UA	1.5	17,600	12,900	12.5	42	325
CPE52400UA	2.0	22,400	15,600	12.3	40	350
CPE53000RA	2.5	27,500	20,500	11.7	48	365

Universal

Model	Heat Kit	Heating Btu/h		Heating kW		Heating Amps	
		208V	230V	208V	230V	208V	230V
CPE50900UA CPE51200UA CPE51800UA CPE52400UA	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	20.38
	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
CPE51800UA CPE52400UA	CPEHK15	39,000	48,000	11.43	14.06	54.94	61.15

Retro

Model	Heat Kit	Heating Btu/h		Heating kW		Heating Amps	
		208V	230V	208V	230V	208V	230V
CPE53000RA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CPEHK03	8,900	10,900	2.62	3.2	12.6	13.91
	CPEHK05	13,100	16,000	3.83	4.66	18.41	20.35
	CPEHK07	18,400	22,400	5.37	6.58	25.82	28.61
	CPEHK10	26,000	32,000	7.64	9.35	36.73	40.65
	CPEHK15	39,200	47,800	11.74	14.02	36.76	40.64
						18.38	20.32

Electrical Data

Electrical requirements for gas and electric heat models.

Electrical Data | CP8 & CP9 All units have a Voltage of 208/230-1-60

Model	Compressor		Condenser Motor			Blower Motor		Total Amps	MCA	MOP
	RLA	LRA	HP	RLA	LRA	HP	RLA			
CP*509**UA	3.5	21.8	1/4	2.0	--	1/3	2.6	8.1	9.0	15
CP*512**UA	4.7	28.7						9.3	10.5	
CP*518**UA	6.3	32.7		1.8	3.6	1/3	2.6	10.7	12.3	15
CP*524**UA	8.4	41.2		2.0	--	1/2	3.8	14.2	16.3	25
CP*530**RA	10.7	47.0		2.0	-	1/2	3.8	16.5	19.2	30

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

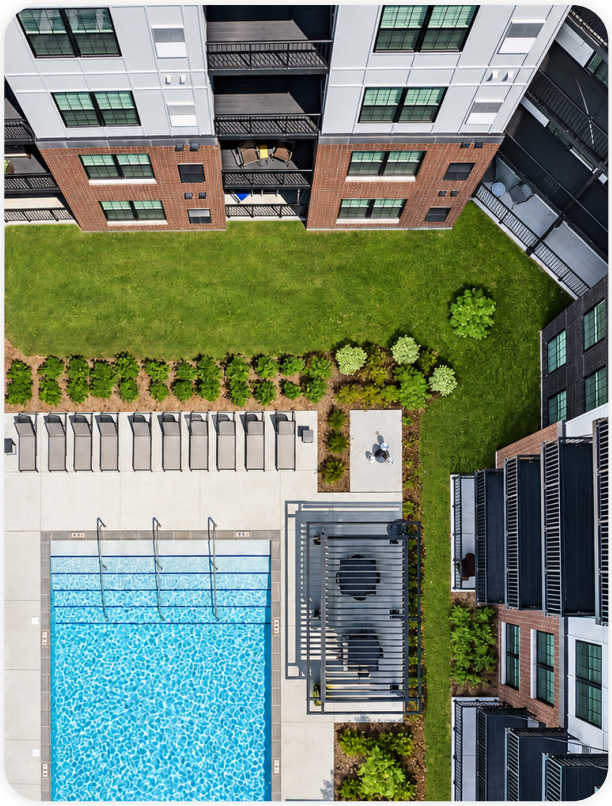
Model	Compressor		Condenser Motor			Blower		Heat Kit	Total Amps		MCA		MOP	
	RLA	LRA	HP	RLA	LRA	HP	RLA		208V	230V	208V	230V	208V	230V
CPE50900UA	3.5	21.8	1/4	2.0	--	1/3	2.6	N/A	8.1	8.1	9.0	9.0	15	15
								CPEHK03	15.2	16.5	19.0	20.6	20	25
								CPEHK05	21.0	23.0	26.3	28.7	30	30
								CPEHK07	28.4	31.2	35.5	39.0	40	40
								CPEHK10	39.3	43.3	49.2	54.1	50	60
CPE1200UA	4.7	28.7	1/4	2.0	--	1/3	2.6	N/A	9.3	9.3	10.5	10.5	15	15
								CPEHK03	15.2	16.5	19.0	20.6	20	25
								CPEHK05	21.0	23.0	26.3	28.7	30	30
								CPEHK07	28.4	31.2	35.5	39.0	40	40
								CPEHK10	39.3	43.3	49.2	54.1	50	60
CPE51800UA	6.3	32.7	1/4	1.8	3.6	1/3	2.6	N/A	10.7	10.7	12.3	12.3	15	15
								CPEHK03	15.2	16.5	19.0	20.6	20	25
								CPEHK05	21.0	23.0	26.3	28.7	30	30
								CPEHK07	28.4	31.2	35.5	39.0	40	40
								CPEHK10	39.3	43.3	49.2	54.1	50	60
								CPEHK15	38.6	42.5	48.1	53.0	50	60
									20.2	22.2	24.1	26.5	25	30
CPE52400UA	8.4	41.2	1/4	2.0	--	1/2	3.8	N/A	14.2	14.2	16.3	16.3	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
CPE53000RA	10.7	47.0	1/4	2.0	--	1/2	3.8	N/A	16.5	16.5	19.2	19.2	30	30
								CPEHK-03	16.5	17.71	20.5	22.1	30	30
								CPEHK-05	22.21	24.15	27.8	30.2	30	35
								CPEHK-07	29.62	32.41	37.0	40.5	40	45
								CPEHK-10	40.53	44.45	50.7	55.6	60	60
								CPEHK-15	40.56	44.44	49.1	54.0	50	60
									18.38	20.32	24.6	27.0	25	30

Airflow Data. Options & Accessories

Factory blower-performance data, approved accessories, and configuration options.

Airflow Data | All models

Model	Color	Speed Tap	ESP (in. wc) / CFM				
			0.1	0.2	0.3	0.4	0.5
CP*509**UA	Red	1	760	745	730	715	700
	Yellow	2	650	640	630	615	600
	Blue	3	560	535	520	510	500
	Black	4	440	425	410	390	370
	Orange	5	390	360	330	310	290
CP*512**UA	Red	1	760	745	730	715	700
	Yellow	2	650	640	630	615	600
	Blue	3	560	535	520	510	500
	Black	4	440	425	410	390	370
	Orange	5	390	360	330	310	290
CP*518**UA	Red	1	760	745	730	715	700
	Yellow	2	650	640	630	615	600
	Blue	3	560	535	520	510	500
	Black	4	440	425	410	390	370
	Orange	5	390	360	330	310	290
CP*524**UA	Red	1	870	850	830	810	790
	Yellow	2	760	745	730	715	690
	Blue	3	680	665	650	630	610
	Black	4	590	565	540	525	510
	Orange	5	440	425	410	400	390
CP*530**RA	Red	1	932	909	887	865	845
	Yellow	2	828	804	780	756	733
	Blue	3	744	715	688	662	637
	Black	4	622	593	564	534	504
	Orange	5	473	437	400	362	--



Options & Accessories | Universal

CPE & CP8	CPLG	Architectural Louver Grille
	CPLG-S	Architectural Louver Grille for Sleeve
	CPLG-P	Architectural Louver Grille Painted
	CPLG-SP	Architectural Louver Grille for Sleeve Painted
	CPSG-P	Stamped Grille Painted
CP8	14208343	LP Kit (38 MBTU)
	14208344	LP Kit (51 MBTU)
	14208345	LP Kit (64 MBTU)
CP9	CPLGX	Architectural Louver Grille
	CPLGX-S	Architectural Louver Grille for Sleeve
	CPLGX-P	Architectural Louver Grille Painted
	CPLGX-SP	Architectural Louver Grille for Sleeve Painted
	CPSGX-P	Stamped Grille Painted
	14508008	25K LP Conversion Kit
		43K LP Conversion Kit* (35,000 input)
		50K LP Conversion Kit
All	CPWS	Wall Sleeve (Unassembled)
	CPWSA	Wall Sleeve Adapter (Unassembled)
	A	Standard
	B	Slotted Door
	C	with out Rear Grille
	D	Both B & C

Options & Accessories | Retro

CPE & CP8	CPRLG	Architectural Louver Grille
	CPRLG-S	Architectural Louver Grille for Sleeve
	CPRLG-P	Architectural Louver Grille Painted
	CPRLG-SP	Architectural Louver Grille for Sleeve Painted
	CPRSG-P	Stamped Grille Painted
CP8	14208343	LP Kit (38 MBTU)
	14208344	LP Kit (51 MBTU)
	14208345	LP Kit (64 MBTU)
CP9	CPRLGX	Architectural Louver Grille
	CPRLGX-S	Architectural Louver Grille for Sleeve
	CPRLGX-P	Architectural Louver Grille Painted
	CPRLGX-SP	Architectural Louver Grille for Sleeve Painted
	CPRSGX-P	Stamped Grille Painted
	14508008	25K LP Conversion Kit
		43K LP Conversion Kit* (35,000 input)
		50K LP Conversion Kit
All	CPWS	Wall Sleeve (Unassembled)
	CPWSA	Wall Sleeve Adapter (Unassembled)
	A	Standard
	B	Slotted Door
	C	with out Rear Grille
	D	Both B & C

NOTE: National Comfort Products offers Architectural Louver Grilles for all models. Outdoor grilles provided by others must be approved by National Comfort Products to maintain unit performance and warranty coverage. See Comfort Pack Architectural Options Specification Sheet for more details.

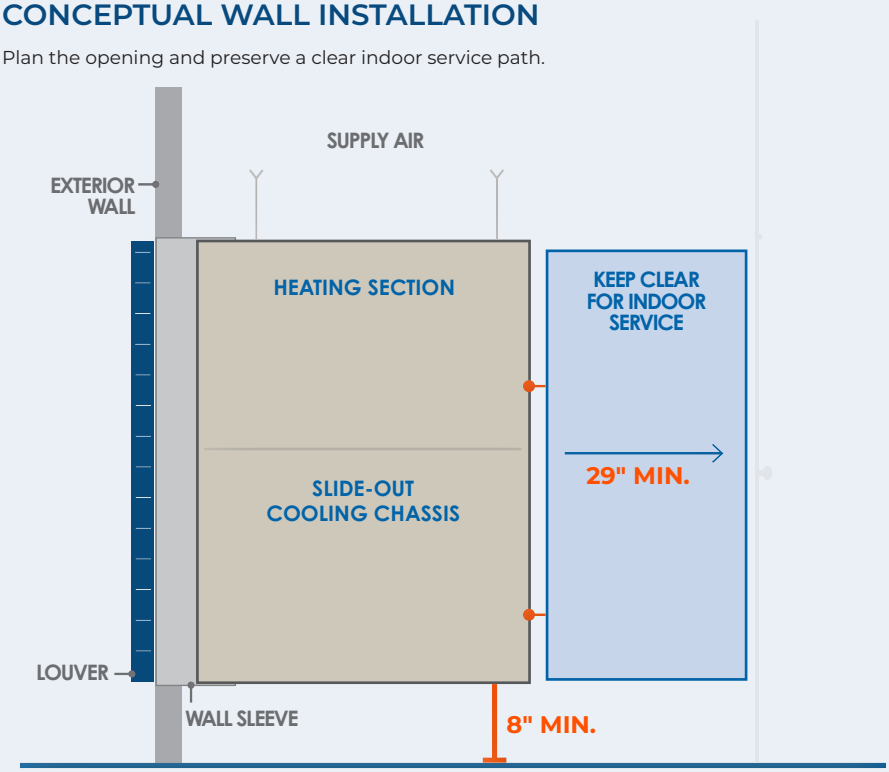
Scan for **Architectural Louver** Spec Sheet

Installation & Service Planning

Coordinate the wall opening, connections, drainage, venting and indoor service area before construction.

CONCEPTUAL WALL INSTALLATION

Plan the opening and preserve a clear indoor service path.



01 WALL OPENING
Coordinate the 29 9/16"W x 45 7/16"H opening.

02 MOUNTING HEIGHT
Maintain at least 8" above finished floor.

03 SLEEVE AND LOUVER
Select wall assembly & exterior finish.

04 UTILITIES AND DRAINAGE
Keep gas power & drain connections accessible.

05 INDOOR SERVICE PATH
Preserve space for slide-out components.

06 VENTING AND CODING
Confirm model specific termination clearances.

COORDINATE BEFORE CONSTRUCTION

HEAT TYPE
80% gas, up to 95% gas, or electric heat.

SERIES AND CAPACITY
Universal 0.75-2.0 tons or Retro 2.5 tons.

EXTERIOR ASSEMBLY
Wall sleeve, louver, finish and options.

DRAIN ROUTING
Plan primary drainage and overflow protection.

UTILITY ACCESS
Coordinate electrical and gas connections.

SERVICE AREA
Maintain at least 29" for indoor chassis removal and service area.

Conceptual planning guidance only. Confirm all clearances, venting and connection requirements in the current Comfort Pack installation manual and applicable codes.

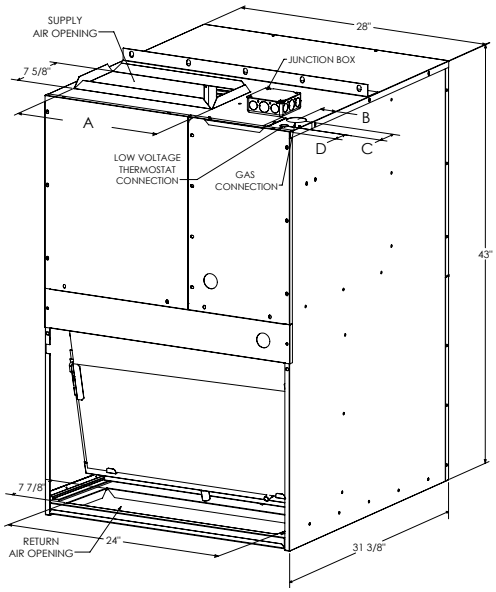
Comfort Pack Universal

Universal cabinet dimensions and connection locations.

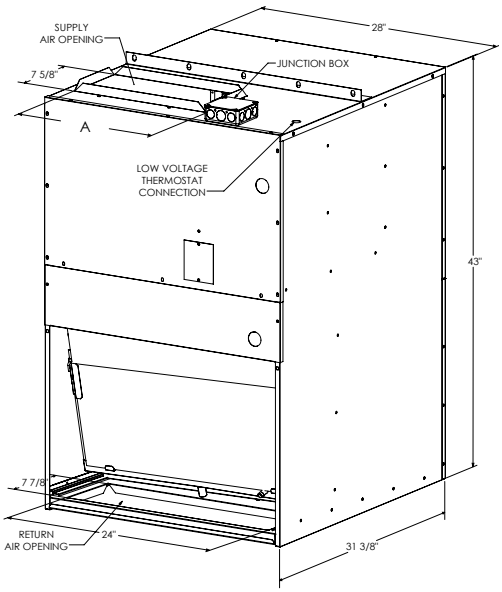
Universal

Unit	A	B	C	D
CP8	15 13/16"	1 3/4"	2 9/16"	1 13/16"
CP9	17 13/16"	2"	2 3/16"	1 13/16"
CPE	15 13/16"	N/A	N/A	N/A

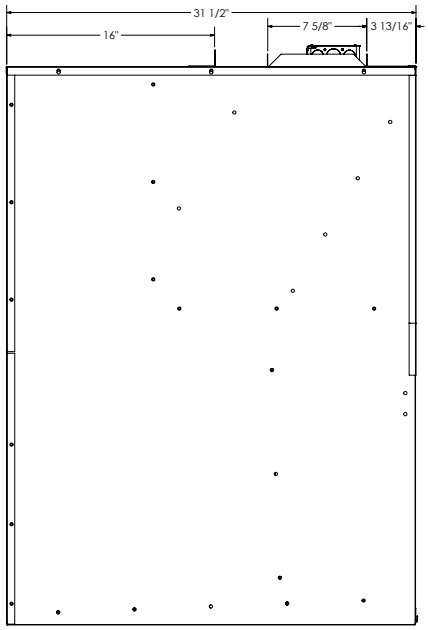
CP8 & CP9



CPE



CP8 CP9 CPE Side View



INSTALLATION PLANNING

28"W x 43"H

Industry-standard wall opening

0.75 - 2.0 TONS

Universal packaged capacity range

INDOOR ACCESS

Slide-out heating and cooling sections

NOTE: Unit must be mounted a minimum of 8 inches above finished floor.
See installation guide for vent termination clearances.

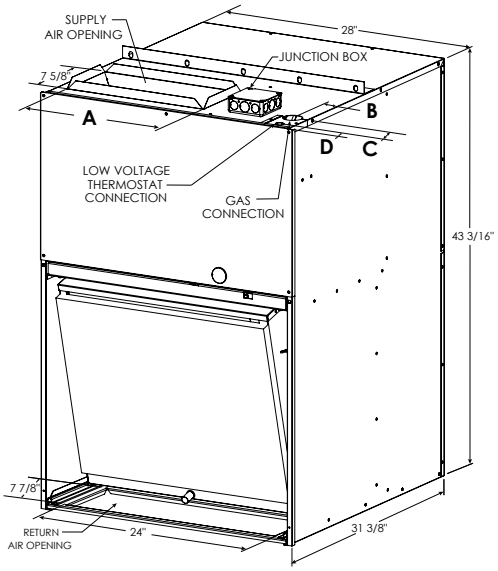
Comfort Pack Retro

Retro cabinet dimensions and connection locations.

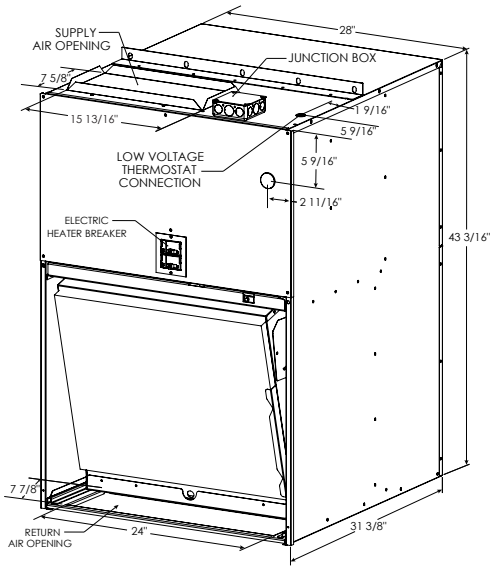
Retro

Unit	A	B	C	D
CP8	15 13/16"	1 11/16"	2 5/8"	1 5/16"
CP9	17 13/16"	2 5/8"	2 1/2"	1 7/16"

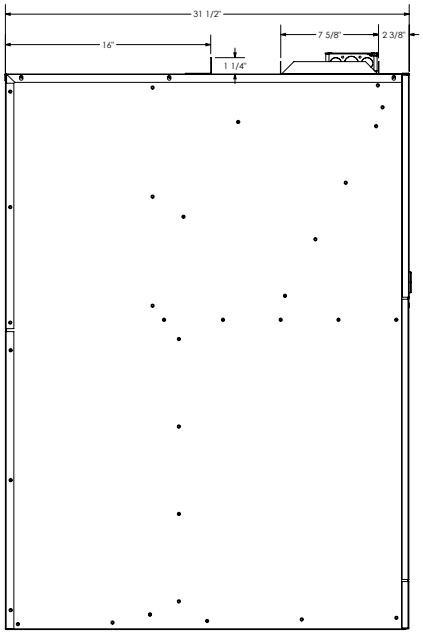
CP8 & CP9



CPE



CP8 CP9 CPE Side View



INSTALLATION PLANNING

28"W x 43"H

Industry-standard wall opening

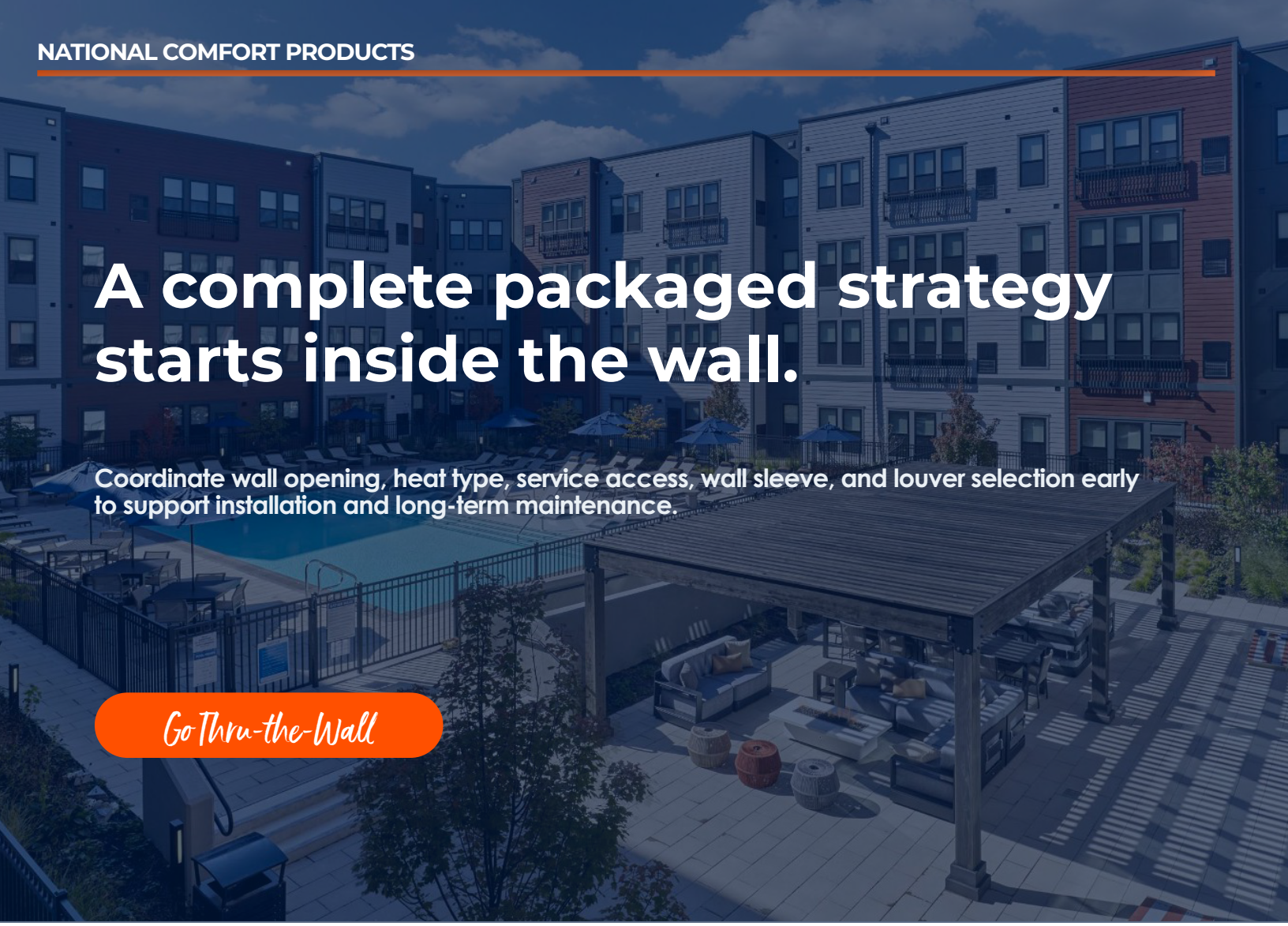
2.5 TONS

Retro packaged capacity

SERVICE HANDLES

Supports slide-out chassis access

NOTE: Unit must be mounted a minimum of 8 inches above finished floor.
See installation guide for vent termination clearances.



A complete packaged strategy starts inside the wall.

Coordinate wall opening, heat type, service access, wall sleeve, and louver selection early to support installation and long-term maintenance.

Go Thru-the-Wall

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AN AERITEK BRAND

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Intertek 53533

5 YEAR WARRANTY ON PARTS
5 YEAR WARRANTY COMPRESSOR
20 YEAR WARRANTY HEAT EXCHANGER

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All specifications are subject to change without notice.

Spec Comfort Pack 2026