

NHP SERIES
3000 | 5000

Go Thru-the-Wall

**NATIONAL
COMFORT
PRODUCTS**

HEATING & A/C EQUIPMENT



Thru-the-Wall Comfort for all types of Multi-Family Construction

Features

- Units are compatible with NCP Air Handler or certain other air handlers with ECM motors*
- Heavy-Duty, Water Resistant Cabinet
- R-410A High Efficiency Compressor
- Easy Access Control Box
- Easy Access to Condenser Fan
- Long-Life Fan Motor
- High Efficiency Condenser Coil
- Brass Service Valves

Why Thru-the Wall?

- Easily serviced in any weather
- Less expensive installations
- Ground clutter elimination
- No theft or vandalism
- Less refrigerant charge
- No roof penetration
- Short copper tube runs
- Separate meter savings
- Better appearance

THRU THE WALL SPLIT SYSTEM HEAT PUMPS



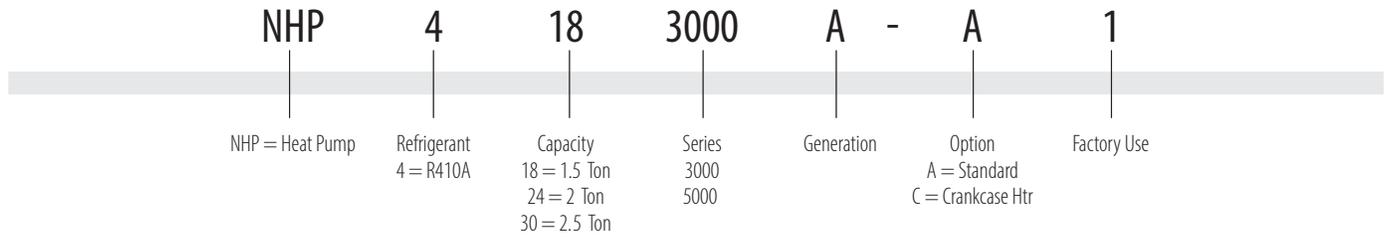
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Meets All
2023 DOE Requirements

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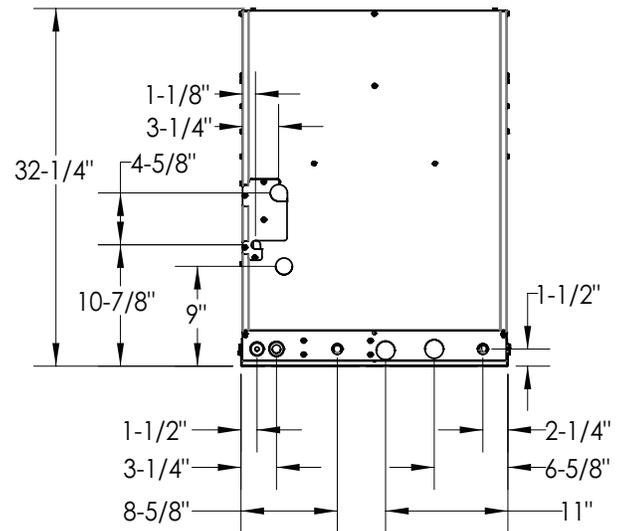
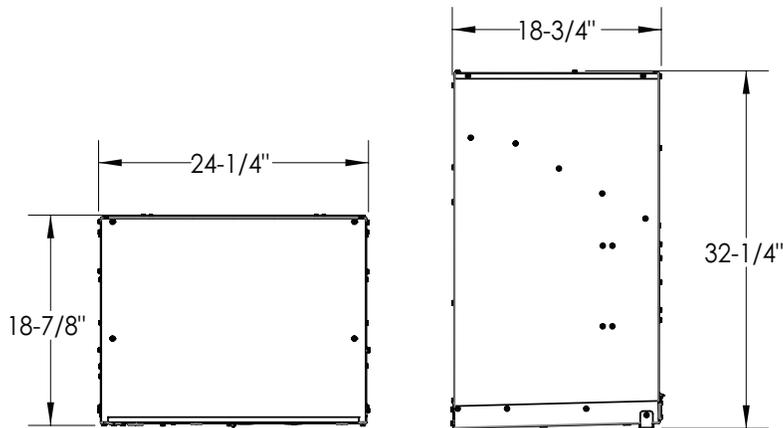
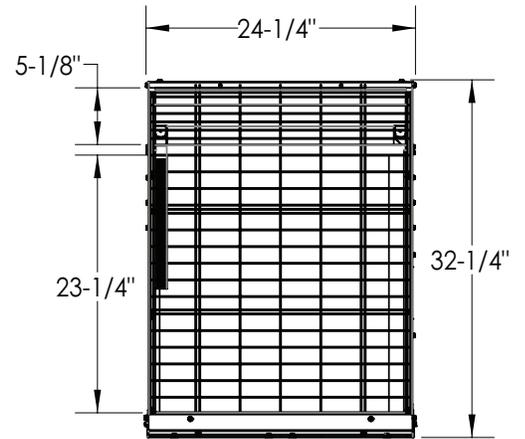
National Comfort Products
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Nomenclature 2023



3000 Series w/ matches up to 12.0 SEER2*					
All Units 208/230-1~60Hz					
Model	Shipping weight (lbs)	Compressor		MCA	MOP
		RLA	LRA		
NHP4183000A-**	170	10.3	45.7	14.8	25
NHP4243000A-**	170	11.7	59.5	16.6	25
Cond. Fan Motor Specs		1/4 HP, 1600 RPM, 1.3 FLA			
Condenser Coil Specs		3.43 ft² Face Area, 16 FPI			
Dimensions		24 1/8" W x 32" H x 18 1/2" D			
Liquid Valve		3/8"	Suction Valve		3/4"

*When matched with NAH4**MF Air Handlers

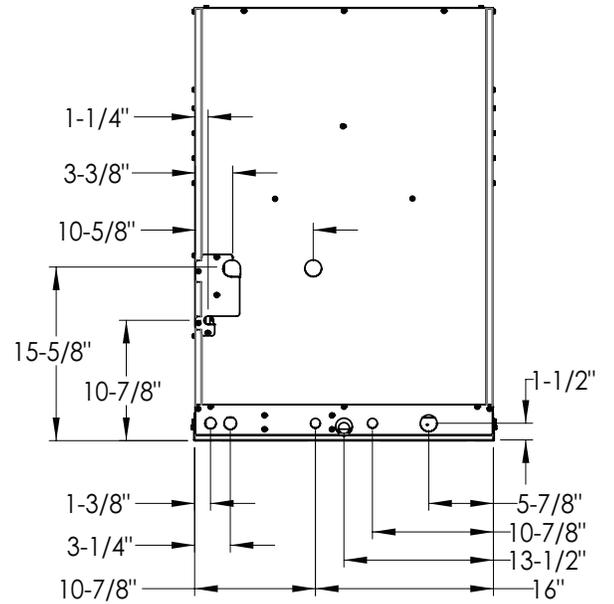
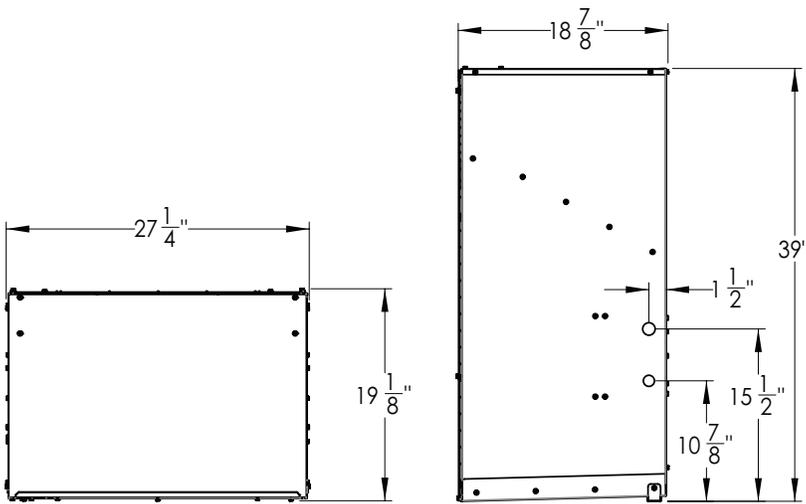
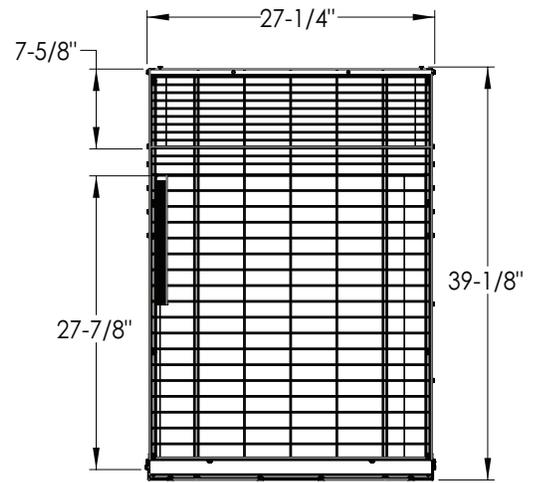


5000 Series w/ matches up to 13.5 SEER2*

All Units 208/230-1~60Hz

Model	Shipping weight (lbs)	Compressor		MCA	MOP
		RLA	LRA		
NHP4185000A-**	190	10.3	45.7	15.3	25
NHP4245000A-**	200	11.5	59.5	16.8	25
NHP4305000A-**	205	12.8	65	18.5	30
Cond. Fan Motor Specs		1/5 HP, 1650 RPM, 1.8 FLA			
Condenser Coil Specs		4.49 ft ² , Face Area 15 FPI			
Dimensions		26 7/8 W" x 38 7/8" H x 18 1/2" D			
Liquid Valve		3/8"	Suction Valve	3/4"	

*When matched with NAH4**MF Air Handlers



NHP Condensers with Air Handler - Cooling Data								
Outdoor Model	Indoor Model	Indoor Model Speed	Rated EER2 ¹	Rated Cooling Capacity (Btu/h)	Nominal Airflow ² (SCFM)	SEER2 ³	Liquid Subcool ⁴ (°F)	Suction Superheat ⁵ (°F)
3000 Series								
NHP4183000A-**	NAH424MF*-**	Black (2)	11	17,600	600	12	16-18	23-25
NHP4243000A-**	NAH424MF*-**	Blue (3)	11	22,200	770	12	17-19	25-27
5000 Series								
NHP4185000A-**	NAH424MF*-**	Black (2)	12	17,800	600	13.5	14-16	24-26
NHP4245000A-**	NAH424MF*-**	Blue (3)	12	23,600	770	13.5	16-18	23-25
NHP4305000A-**	NAH430MF*-**	Yellow (4)	11	26,800	920	12.5	17-19	17-19

1. These Rated EER2 are determined based on the Evaporator match listed in this table
2. These airflows are conducted at wet coil conditions
3. The SEER2 rating is determined base on the Evaporator match listed in this table
4. The subcool for these systems needs to be measured at evaporator inlet when running in cooling mode
5. Superheat for these systems is measured at compressor suction line using the suction port

NHP Condensers with Air Handler - Heating Data										
Outdoor Model	Indoor Model	Indoor Motor Speed	Rated COP2 ¹	Rated Heating Capacity (47°F) (Btu/h)	Nominal Airflow ² (SCFM)	Rated Heating Capacity (35°F) (Btu/h)	Rated Heating Capacity (17°F) (Btu/h)	HSPF2 ³	Liquid Subcool ⁴ (°F)	Suction Superheat ^{5,6} (°F)
3000 Series										
NHP4183000A-**	NAH424MF*-**	Black (2)	3.20	15,200	610	12,100	9,200	6.5	15-17	9-11
NHP4243000A-**	NAH424MF*-**	Blue (3)	3.50	19,200	780	15,200	11,400	6.5	9-11	7-9
5000 Series										
NHP4185000A-**	NAH424MF*-**	Black (2)	3.30	15,800	610	13,000	9,700	7.0	15-17	7-9
NHP4245000A-**	NAH424MF*-**	Blue (3)	3.60	20,800	780	17,200	13,100	7.0	14-16	8-10
NHP4305000A-**	NAH430MF*-**	Yellow (4)	3.50	23,800	950	19,400	14,800	7.0	15-17	8-10

1. These Rated COP2 are determined based on the Evaporator match listed in this table and is measured at 47 °F OD ambient
2. These airflows are conducted during heating mode
3. The HSPF2 rating is determined base on the Evaporator match listed in this table
4. The subcool for these systems needs to be measured at outdoor service valve when running in heating mode at 47 °F OD ambient
5. Superheat for these systems is measured at compressor suction line using the suction port
6. Suction superheat is achieved by adjusting the TXV in the outdoor unit



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