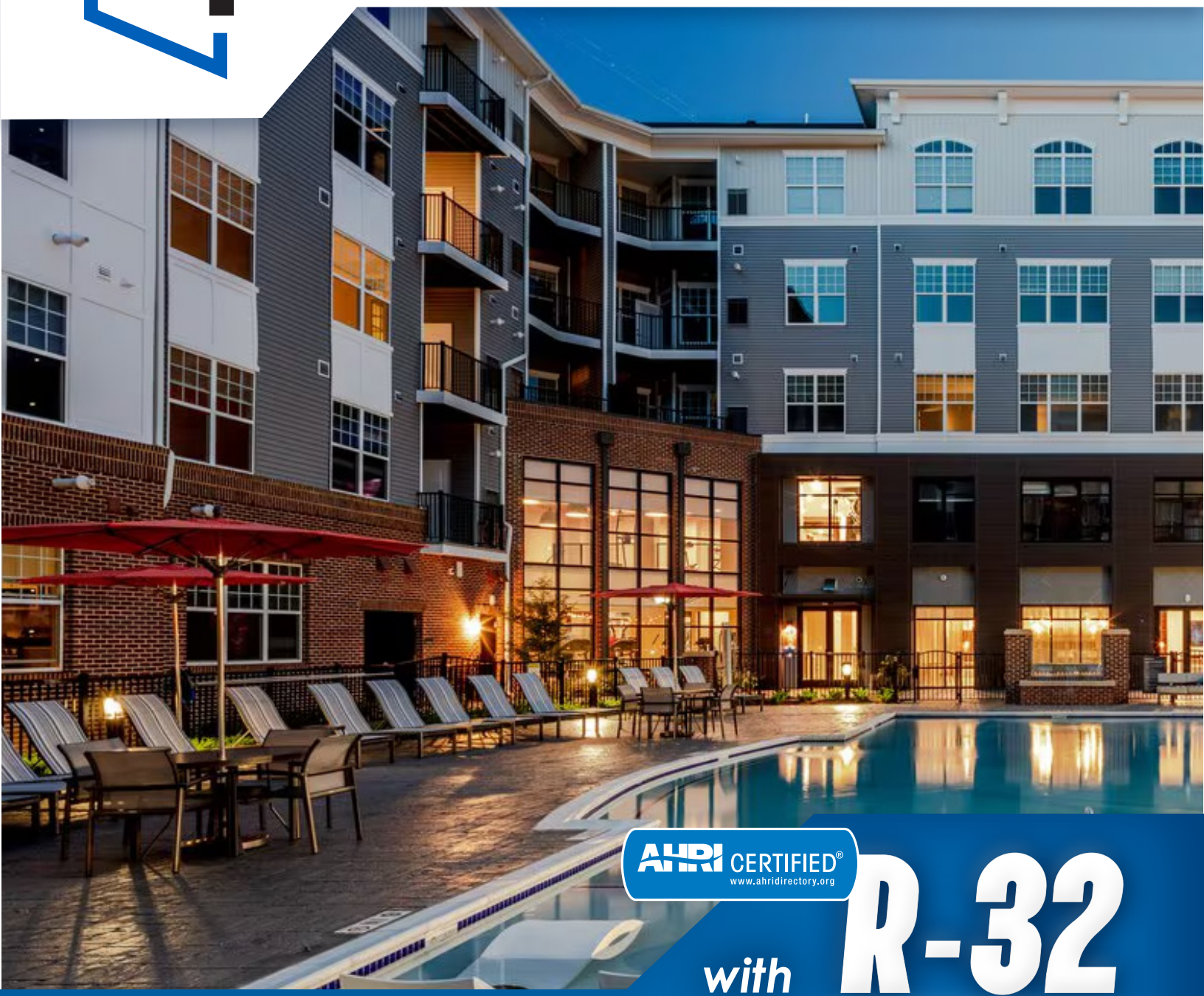
National Comfort Products

Thru-the-Wall Heating & Cooling



AHRI CERTIFIED®
www.ahridirectory.org

with **R-32**

Split Systems

1000 | 3000 | 4000

Parts Lookup

Cross Reference

Go Thru-the-Wall

Thru-the-Wall Condensing Unit Features

- Compatible with NCCA Cased Coils & matched 3rd party air handlers
- Heavy-duty, water resistant cabinet
- R-32 high efficiency compressor
- Available in 1.5 to 2.5 ton sizes
- Easy access to condenser fan
- Easy Access Control Box
- Brass service valves

Cased Coil Features

- Available for 1.5 to 2.5 ton capacity systems
- Ready for both left and right hand drain requirements
- Copper Tube Aluminum Fin
- Upflow/downflow compatible
- Factory-installed A2L Kit for occupant safety
- Adjustable A2L TXV's field installed

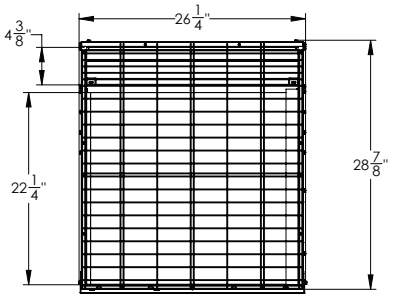
Go Thru-the-Wall

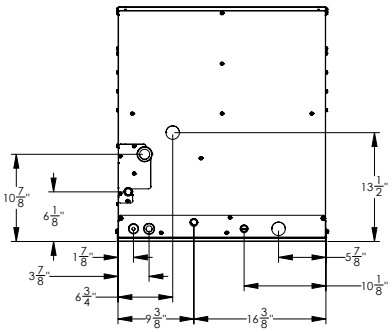
ncp
Take Back
Outdoor Living
Utilize every space in your design with our
Thru-the-Wall Split Systems.

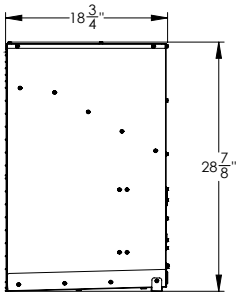
Electrical & Dimensional Data

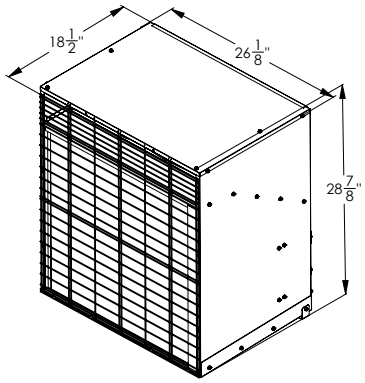
1000 Series R-32					
All Units 208/230-1-60Hz					
Model	Shipping weight (lbs)	Compressor		MCA	MOP
		RLA	LRA		
NCP3181000A-**	157	8.3	44.3	11.7	15
NCP3241000A-**	162	10.3	59.3	14.2	20
NCP3301000A-**	167	11.5	66.3	16.2	25
Cond. Fan Motor Specs		418/424		1/4 HP, 1600 RPM, 1.3 FLA	
		430		1/5 HP, 1650 RPM, 1.8 FLA	
Condenser Coil Specs		3.61 ft² Face Area, 16 FPI			
Dimensions		26 1/4" W x 28 5/8" H x 18 1/2" D			
Liquid Valve		3/8"	Suction Valve		3/4"

** This unit is charged with only 3.75 lbs of R-32. The installer must add charge to meet the required subcooling value provided in the installation manual.



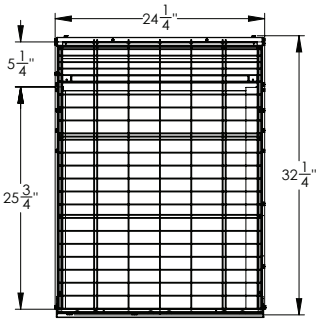


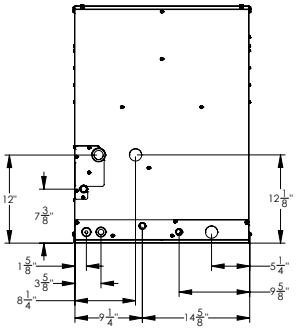


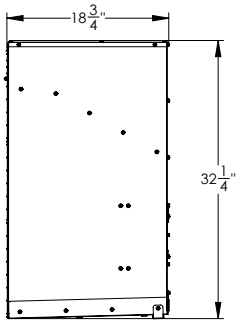


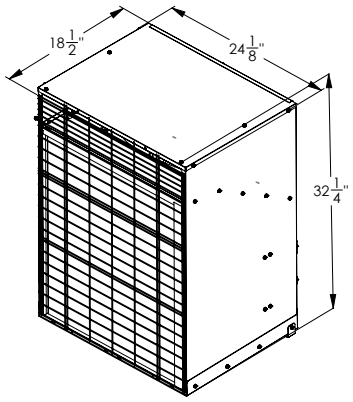
3000 Series R-32					
All Units 208/230-1-60Hz					
Model	Shipping Weight (lbs)	Compressor		MCA	MOP
		RLA	LRA		
NCP3183000A-**	157	8.3	44.3	11.7	15
NCP3243000A-**	162	10.3	59.3	14.2	20
NCP3303000A-**	167	11.5	66.3	16.2	25
Cond. Fan Motor Specs		418/424		1/4 HP, 1600 RPM, 1.3 FLA	
		430		1/5 HP, 1650 RPM, 1.8 FLA	
Condenser Coil Specs		3.77 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"

** This unit is charged with only 3.75 lbs of R-32. The installer must add charge to meet the required subcooling value provided in the installation manual.





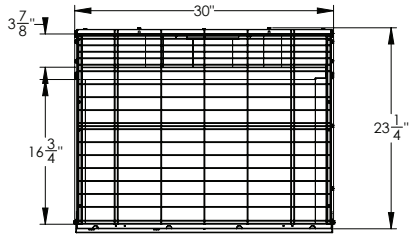


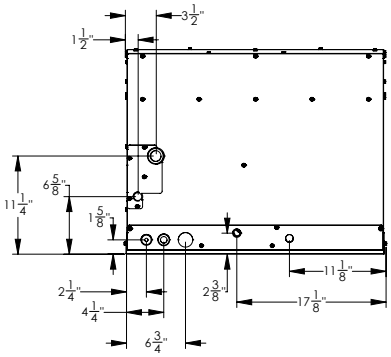


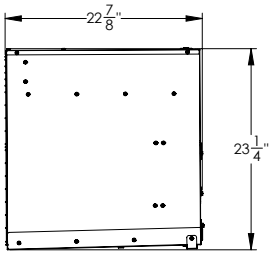
Note: Some dimensions that are shown in these drawings are measured between the edges of screw heads.

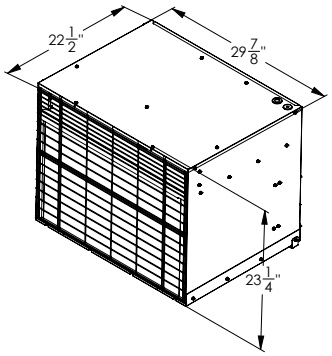
4000 Series R-32					
All Units 208/230-1-60Hz					
Model	Shipping Weight (lbs)	Compressor		MCA	MOP
		RLA	LRA		
NCP3184000A-**	157	8.3	44.3	12.4	20
NCP3244000A-**	167	10.3	59.3	14.9	25
Cond. Fan Motor Specs		1/4 HP, 1650 RPM, 2.0 FLA			
Condenser Coil Specs		3.14 ft² Face Area, 16 FPI			
Dimensions		30" W x 23" H x 22 1/2" D			
Liquid Valve		3/8"	Suction Valve		3/4"

** This unit is charged with only 3.75 lbs of R-32. The installer must add charge to meet the required subcooling value provided in the installation manual.









Note: Some dimensions that are shown in these drawings are measured between the edges of screw heads.

Thru-the-Wall System Technical Evaluation Report for Structural (Wind) Performance:

Performance Data

Nomenclature

NCP	3	18	1000	A	-	A	1
NCP = Condensing Unit	Refrigerant 3 = R-32	Capacity 18 = 1.5 Ton 24 = 2 Ton 30 = 2.5 Ton	Series 1000 3000 4000	Generation		Option A = Standard D = Deluxe C = Crankcase Htr L = Low Ambient	Factory Use

Matching Cased Coils & Air Handlers

AHRI Ref. #	Outdoor Model	Indoor Model	Rated Capacity	Rated EER2	SEER2	Nominal Airflow (SCFM)
1000 Series						
217901285	NCP3181000A-**	NCCA18AA-*	17,800	10.8	11.7	620
217735284	NCP3181000A-**	AWST24SU13**A*	16,800	10.5	11.7	605
217901286	NCP3241000A-**	NCCA24AA-*	23,000	10.4	11.7	820
217734252	NCP3241000A-**	AWST24SU13**A*	21,000	10.4	11.7	605
217901287	NCP3301000A-**	NCCA30AA-*	26,800	10.2	11.7	870
217753707	NCP3301000A-**	AWST30LU13**A*	27,600	11	12	870
3000 Series						
217901288	NCP3183000A-**	NCCA18AA-*	17,600	10.6	11.7	620
217735285	NCP3183000A-**	AWST24SU13**A*	16,800	10.5	11.7	605
217901289	NCP3243000A-**	NCCA24AA-*	24,000	10.8	11.7	820
217734253	NCP3243000A-**	AWST24SU13**A*	21,000	10.4	11.7	605
217901290	NCP3303000A-**	NCCA30AA-*	26,800	10.2	11.7	870
217753708	NCP3303000A-**	AWST30LU13**A*	27,600	11	12	870
4000 Series						
218002299	NCP3184000A-**	NCCA18AA-*	17,800	10.8	11.7	610
218002300	NCP3244000A-**	NCCA24AA-*	23,800	10.6	11.7	820

Cross Reference

1000 Series	M# NCP3181000* *replaces* 18WCU10-BB, 18WCX12-BB, 18WCX2-BB M# NCP3241000* *replaces* 24WCU10-BB, 24WCX12-BB, 24WCX2-BB M# NCP3301000* *replaces* 30WCU10-BB, 30WCXA12-BB, 30WCX2-BB
3000 Series	M# NCP3183000* *replaces* 18WCU10-AB, 18WCX12-AB, 18WCX2-BA M# NCP3243000* *replaces* 24WCU10-AB, 24WCX12-AB, 24WCX2-BA M# NCP3303000* *replaces* 30WCU10-AB, 30WCXA12-AB, 30WCX2-BA
4000 Series	M# NCP3184000* *replaces* 18WCU10-CB, 18WCX14-CB, 18WCX4-BC M# NCP3244000* *replaces* 24WCU10-CB, 24WCX14-CB, 24WCX4-BC

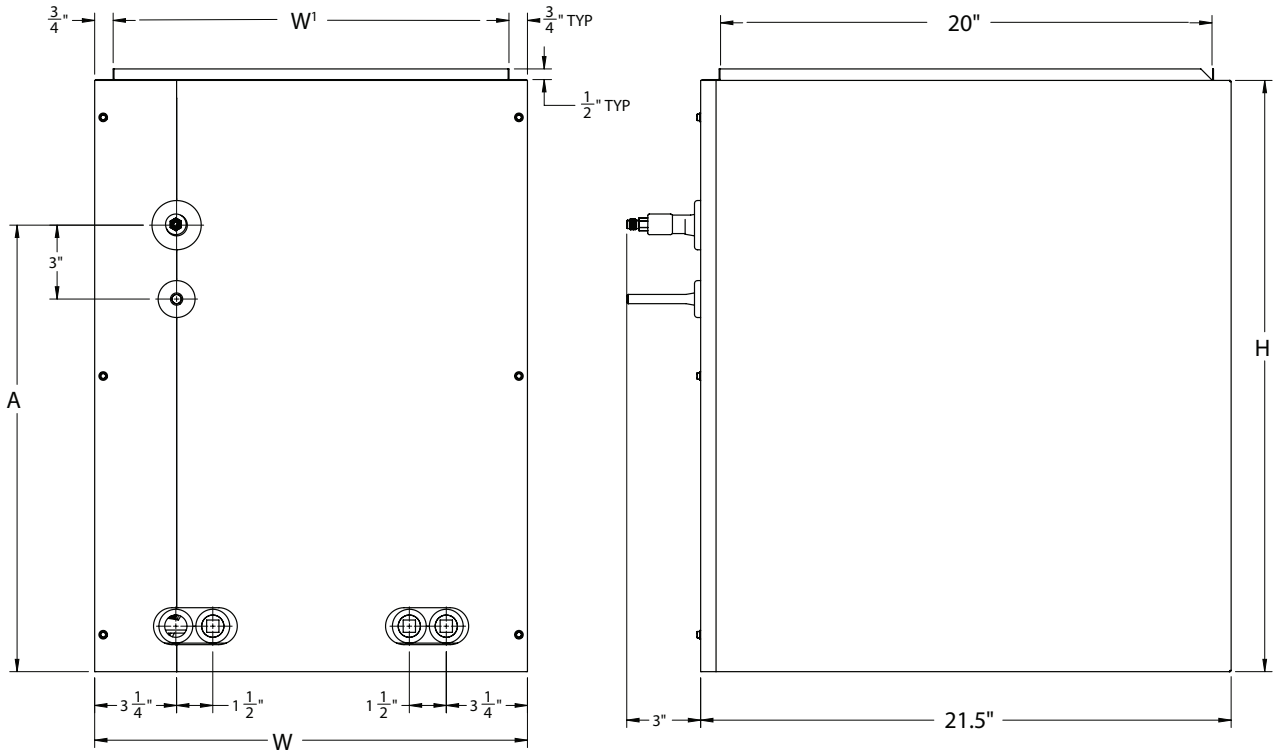
Performance Data

Nomenclature

NCC	A	18	A	A	-	1
NCC = Cased Coil	Refrigerant A = A2L Compatible (R-454B or R-32)	Capacity 18 = 1.5 Ton 24 = 2 Ton 30 = 2.5 Ton	Series	Generation		Factory Use

Unit Dimensions

Model	Size (tons)	Flow Control	Liquid Line	Suction Line	Cabinet Width (W)	Cabinet Depth	Supply Opening Width (W[1])	Supply Opening Depth	Cabinet Height (H)	Shipping Weight
NCCA18AA-1	1.5 Ton	Adj. TXV	3/8"	3/4"	17.50"	21.50"	16"	20"	20.50"	56 lbs.
NCCA24AA-1	2 Ton				17.50"	21.50"	16"	20"	24.50"	62 lbs.
NCCA30AA-1	2.5 Ton				21.00"	21.50"	19.50"	20"	28.50"	75 lbs.



*With Factory-installed A2L Kit

Accessory

TXV's (Field installed TXV required)

COIL MODEL	R-32 TXV PART NUMBER	R-454B TXV PART NUMBER
NCCA18AA-1	142-75-181	142-75-178
NCCA24AA-1	142-75-181	142-75-179
NCCA30AA-1	142-75-182	142-75-179

Note: Required for occupant safety.**

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Intertek 53533

2 YEAR WARRANTY ON PARTS

5 YEAR WARRANTY COMPRESSOR

All specifications are subject to change without notice.