

EVAPORATOR COILS

PRODUCT SPECIFICATIONS

EVAPORATOR COILS FEATURES

- **Total Corrosion Protection** our advanced evaporator coil helps protect against leaks and corrosion for long term performance
- Microban® antimicrobial additive in the drain pan to resist mold and mildew growth
- Aluminum tubing, hairpins, distributors and header tubes. Copper refrigerant connections for easy brazing to both liquid and suction lines.
- Pre-formed flanges in outlet for quick and easy plenum connections
- One of the lowest water retention drain pans in the industry to minimize mold and mildew growth
- Interlocking door assemblies and snug line seal grommets to minimize air leakage
- Foil-face insulation for easy cleaning
- Tubing located at door split for easy coil service or cleaning
- All drain pans are compatible with UV lights
- All piston coils are compatible with R22 or R410a
- 10-year limited parts warranty available when applied with a system. See limited warranty document for details.

Upflow Coils

NCUCT4 (Cased)

- Dedicated upflow
- Factory installed TXV for quick installation in high efficiency applications
- Tightly sealed, painted steel cabinet with wall to wall insulation to ensure <2% air leakage
- Single protruding right side dual drain port for easy installation and service access

NCUUP4 (Uncased)

- Dedicated upflow
- Orifice assembly designed for easy changing of orifice sizes and fast TXV connections
- Single protruding right side dual drain port for easy installation and service access

Horizontal Coils

NCHCT4 (Cased)

- Dedicated horizontal
- Factory installed TXV for quick installation in high efficiency applications
- Insulated galvanized steel case with durable embossed finish
- Removable panels provide access to coil
- Refrigerant lines extend outside of the cabinet for easy connection

Downflow Coils

NCDCT4 (Cased)

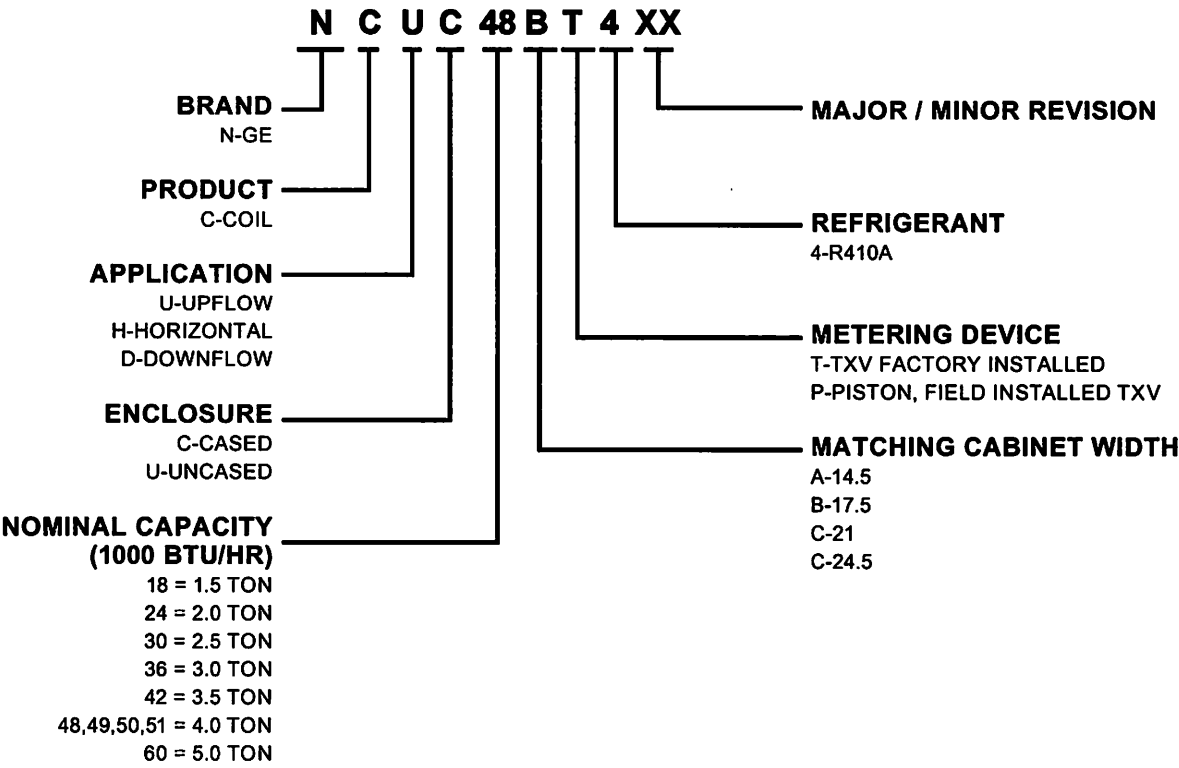
- Dedicated downflow
- Factory installed TXV for quick installation in high efficiency applications
- Heavy-gauge steel constructed cabinet for optimal support of the furnace, no need for additional bracing or structure
- Coils exactly match the corresponding furnaces with the same letter designation in the model number
- Coil slides out and cabinet panels are removable for ease of service
- Single protruding dual drain port for easy installation and service access

WARRANTY

See warranty document for details.



MODEL NUMBER GUIDE



NCUCT4, NCUUP4: UPFLOW (CASED and UNCASSED)**SPECIFICATIONS**

General Data	Cased Model No.	NCUC24A	NCUC24B
	Uncased Model No.	NCUU24A	NCUU24B
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4
RFCIV metering device orifice size NCUU models only		0.057	0.057
Shipping Data - lbs.	Uncased	23	24
	Cased	38	43

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS**2.5 TON**

General Data	Cased Model No.	NCUC30A	NCUC30B
	Uncased Model No.	NCUU30A	NCUU30B
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4
	Liquid o.d. - sweat	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4
RFCIV metering device orifice size NCUU models only		0.067	0.067
Shipping Data - lbs.	Uncased	31	32
	Cased	45	50

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

SPECIFICATIONS**3.0 TO 4.0 TON**

General Data	Cased Model No.	NCUC36A	NCUC36B	NCUC48B	NCUC48C
	Uncased Model No.	NCUU36A	NCUU36B	NCUU48B	NCUU48C
	Nominal size - Tons	3	3	3.5 / 4	3.5 / 4
Line Connections in.	Suction / vapor o.d. - sweat	3/4	3/4	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size NCUU models only		0.070	0.070	0.071	0.071
Shipping Data - lbs.	Uncased	31	33	43	44
	Cased	46	50	55	60

¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

NCUCT4, NCUUP4 (cont)**SPECIFICATIONS**

		4 TO 5 TON			
General Data	Cased Model No.	NCUC49C	NCUC5060C	NCUC60C	NCUC60D
	Uncased Model No.	NCUU49C	NCUU5060C	NCUU60C	NCUU60D
	Nominal size - Tons	4	4 / 5	5	5
Line Connections in.	Suction / vapor o.d. - sweat	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
RFCIV metering device orifice size NCUU models only		0.076	0.070	0.077	0.077
Shipping Data - lbs.	Uncased	53	40	58	48
	Cased	70	60	73	72

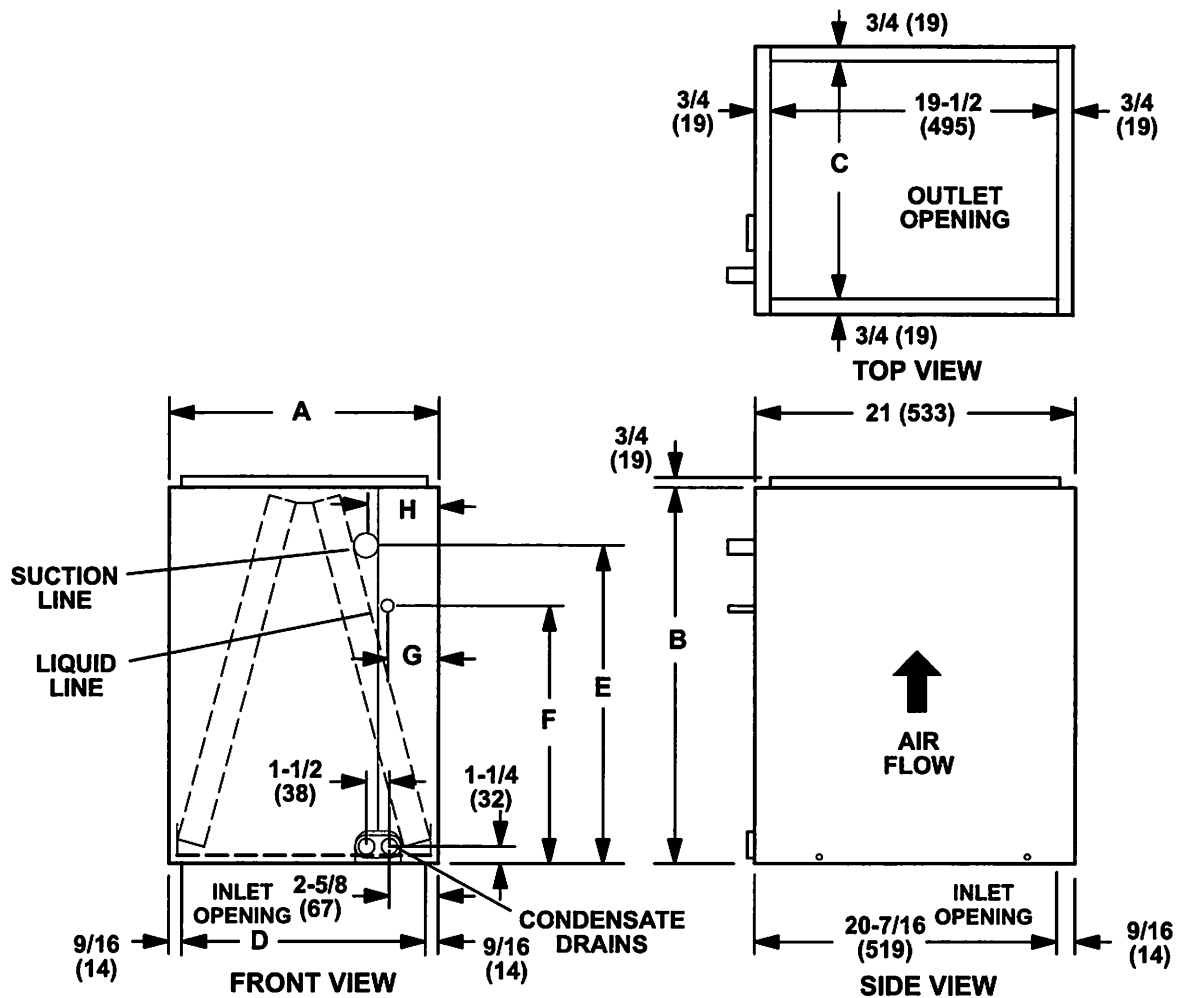
¹ Uncased coils match furnaces without any overhang but require optional adaptor base or field fabricated transition to match furnace width.

NCUCT4, NCUUP4**AIR RESISTANCE**

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil in. w.g.	Wet Coil in. w.g.
NCUC24A NCUU24A	400	0.05	0.05
	600	0.09	0.10
	800	0.16	0.18
	1000	0.23	0.26
	1200	0.32	0.36
NCUC24B NCUU24B	400	0.03	0.04
	600	0.07	0.09
	800	0.11	0.15
	1000	0.17	0.22
	1200	0.23	0.31
NCUC30A NCUU30A	600	0.07	0.08
	800	0.12	0.13
	1000	0.18	0.20
	1200	0.26	0.28
	1400	0.34	0.37
NCUC30B NCUU30B	600	0.06	0.06
	800	0.09	0.11
	1000	0.13	0.16
	1200	0.19	0.23
	1400	0.25	0.31
NCUC36A NCUU36A	800	0.13	0.14
	1000	0.19	0.21
	1200	0.27	0.30
	1400	0.34	0.39
	1600	0.45	0.51
NCUC36B NCUU36B	800	0.08	0.11
	1000	0.13	0.16
	1200	0.17	0.21
	1400	0.22	0.28
	1600	0.29	0.34

Model No.	Air Volume cfm	Total Resistance	
		Dry Coil in. w.g.	Wet Coil in. w.g.
NCUC48B NCUU48B	1000	0.13	0.13
	1200	0.18	0.18
	1400	0.23	0.24
	1600	0.30	0.31
	1800	0.37	0.40
NCUC48C NCUU48C	1000	0.07	0.09
	1200	0.10	0.12
	1400	0.13	0.16
	1600	0.16	0.20
	1800	0.20	0.24
NCUC49C NCUU49C	1200	0.08	0.12
	1400	0.13	0.17
	1600	0.17	0.22
	1800	0.22	0.28
	2000	0.28	0.35
NCUC5060C NCUU5060C	1200	0.13	0.17
	1400	0.18	0.23
	1600	0.23	0.29
	1800	0.28	0.37
	2000	0.34	0.43
NCUC60C NCUU60C	1400	0.15	0.19
	1600	0.19	0.23
	1800	0.24	0.28
	2000	0.29	0.34
	2200	0.33	0.40
	2400	0.39	0.46
NCUC60D NCUU60D	1400	0.11	0.15
	1600	0.14	0.18
	1800	0.17	0.21
	2000	0.21	0.27
	2200	0.25	0.32
	2400	0.30	0.37

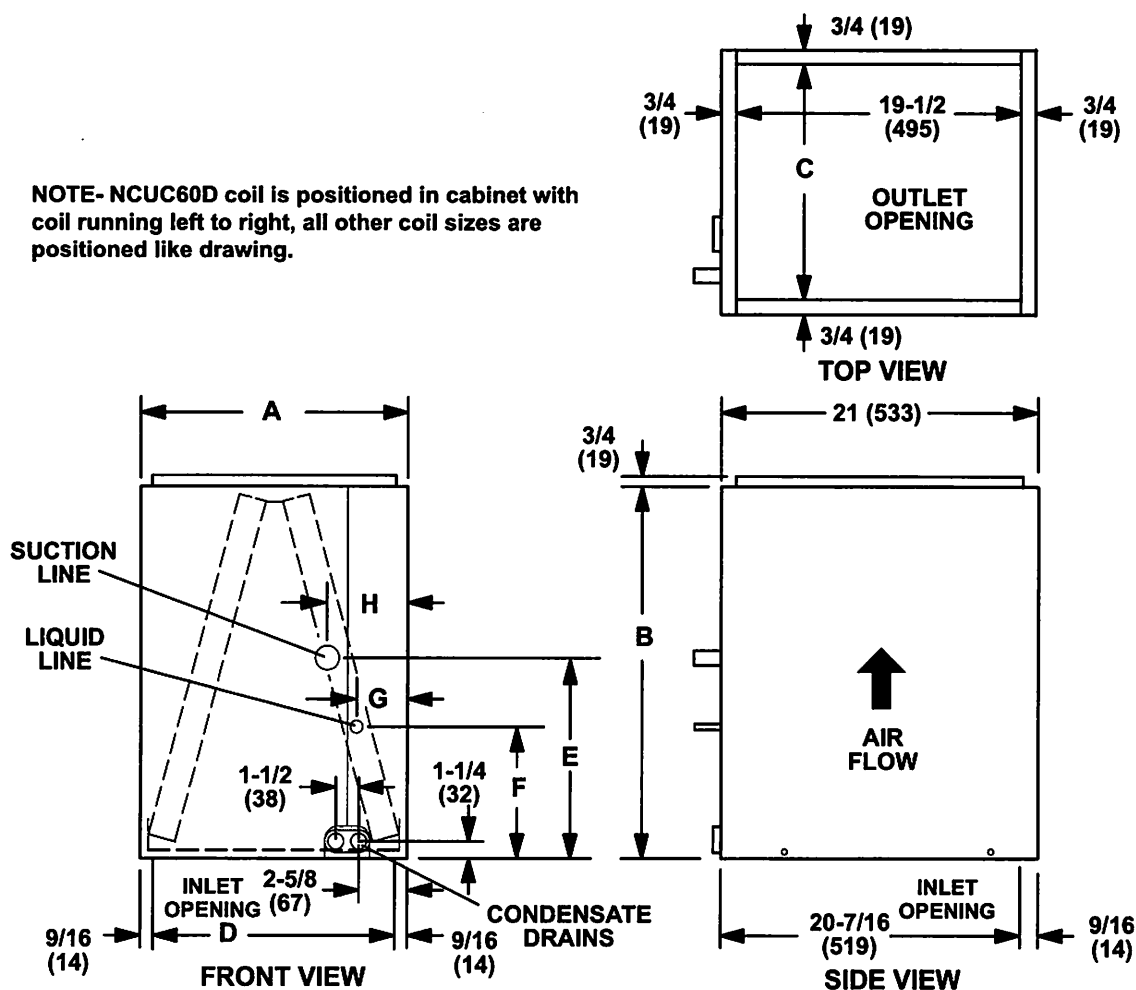
NCUC30A, 36B



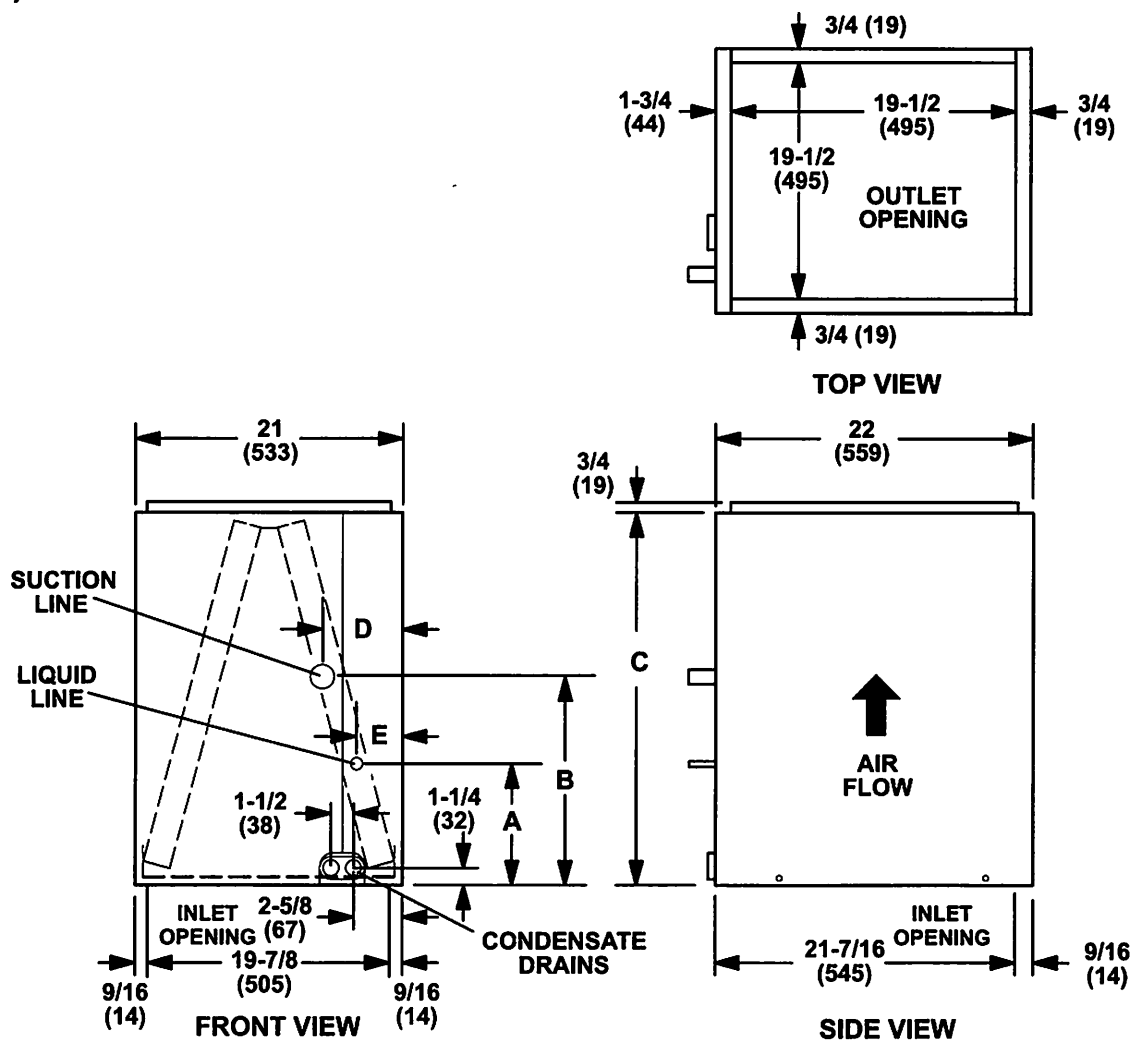
Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NCUC36A	14-1/2	368	24-1/2	622	13	330	13-3/8	340	13-1/2	343	4-3/4	121	2	52	3-1/4	83
NCUC36B	17-1/2	445	24-1/2	622	16	406	16-3/8	416	13-3/4	350	4-3/4	121	2-5/8	67	3-7/8	98

NCUC24A, 24B, 30A, 30B, 48B, 48C, 5060C, AND 60D

NOTE- NCUC60D coil is positioned in cabinet with coil running left to right, all other coil sizes are positioned like drawing.



Model Number	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NCUC24A	14-1/2	368	18-1/2	470	13	330	13-3/8	340	10-1/8	257	3-3/8	86	3	76	3-7/8	98
NCUC24B	17-1/2	445	18-1/2	470	16	406	16-3/8	416	10	254	3-1/2	89	3	76	3-7/8	98
NCUC30A	14-1/2	368	22-1/2	572	13	330	13-3/8	340	12	305	3-3/8	86	3	76	3-7/8	98
NCUC30B	17-1/2	445	22-1/2	572	16	406	16-3/8	416	10-1/2	267	3-3/8	86	3	76	3-7/8	98
NCUC48B	17-1/2	445	27-1/2	699	16	406	16-3/8	416	12-7/8	327	3-7/8	98	3	76	4	102
NCUC48C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
NCUC5060C	21	533	27-1/2	699	19-1/2	495	19-7/8	505	12-1/2	318	4-3/4	121	2-3/4	70	3-1/2	89
NCUC60D	24-1/2	622	29-1/2	749	23	584	23-3/8	594	15-1/8	384	4-1/2	121	1-5/8	41	2-5/8	67

NCUC49C, 60C

Model Number	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NCUC49C	4-3/4	121	12-1/8	308	29-1/2	749	3-3/8	86	2-1/2	64
NCUC60C	4-3/4	121	14-1/2	368	31-1/2	800	3-3/8	86	2-1/2	64