

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)

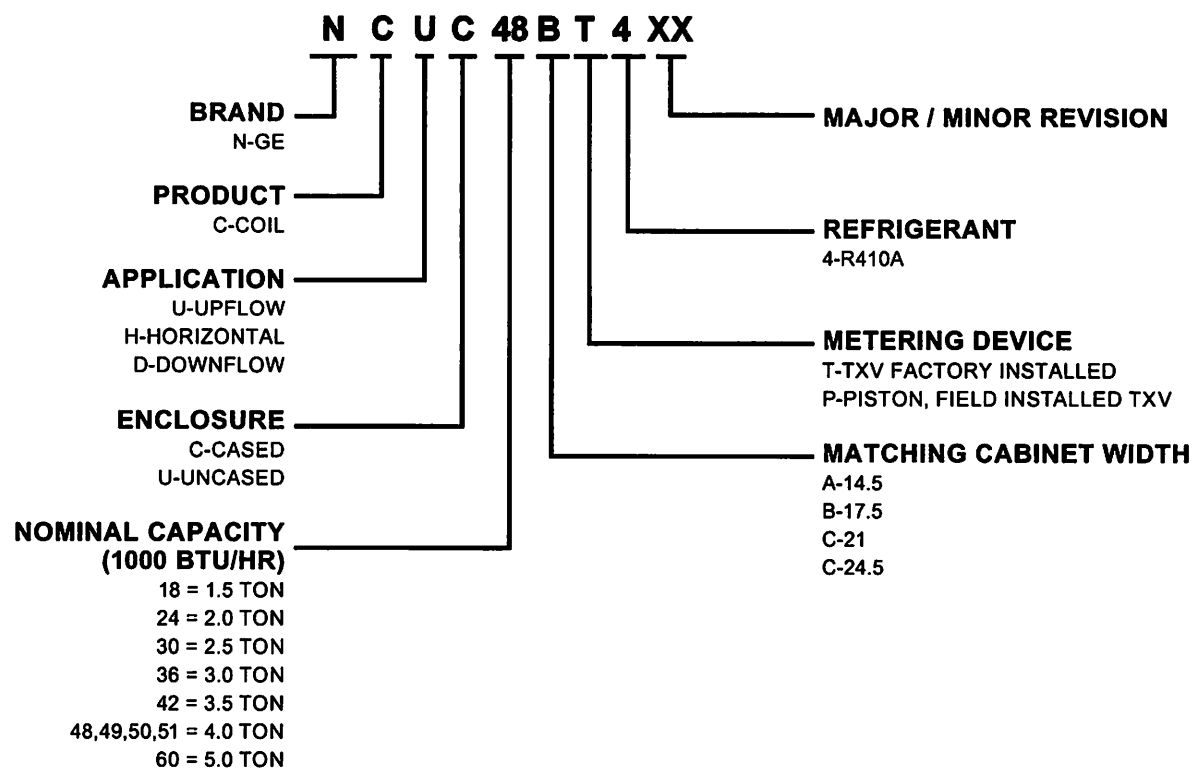
- Dedicated downflow
- Factory installed TXV for quick installation in high efficiency applications
- Heavy-gauge steel constructed cabinet for optimal support of the furnace, no need for additional bracing or structure
- Coils exactly match the corresponding furnaces with the same letter designation 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



NCHCT4: HORIZONTAL (CASED)**SPECIFICATIONS****1.5 TO 3 TON**

General Data	Model No.	NCHC18A	NCHC24A	NCHC24B	NCHC30A	NCHC30B	NCHC36A	NCHC36B
	Nominal size - Tons	1.5	2	2	2.5	2.5	3	3
Line connections in.	Suction o.d. - sweat	7/8	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		43	45	49	55	53	47	48

SPECIFICATIONS**3 TO 5 TON**

General Data	Model No.	NCHC36C	NCHC42B	NCHC42C	NCHC48B	NCHC48C	NCHC51C	NCHC60D
	Nominal size - Tons	3	3.5	3.5	3.5/4	3.5/4	4	5
Line connections in.	Suction o.d. - sweat	7/8	7/8	7/8	7/8	7/8	7/8	7/8
	Liquid o.d. - sweat	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Condensate drain (fpt)	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4	(2) 3/4
Shipping Data - lbs.		55	66	60	60	59	69	78

NCHCT4**AIR RESISTANCE**

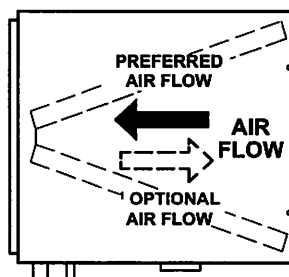
Air Volume cfm	Total Air Resistance - in. w.g.													
	NCHC18A		NCHC24A		NCHC24B		NCHC30A		NCHC30B		NCHC36A		NCHC36B	
	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
200	0.02	0.02	---	---	---	---	---	---	---	---	---	---	---	---
400	0.05	0.06	0.04	0.05	0.03	0.04	0.04	0.05	0.02	0.02	---	---	---	---
600	0.09	0.11	0.09	0.11	0.05	0.07	0.09	0.10	0.05	0.06	---	---	---	---
800	0.15	0.17	0.15	0.19	0.09	0.11	0.15	0.17	0.09	0.11	0.15	0.18	0.08	0.10
1000	0.22	0.25	0.23	0.29	0.15	0.17	0.24	0.27	0.14	0.16	0.22	0.27	0.11	0.16
1200	---	---	0.32	0.40	0.21	0.23	0.34	0.38	0.19	0.23	0.30	0.39	0.16	0.21
1400	---	---	0.43	0.50	0.28	0.30	0.45	0.51	0.26	0.30	0.41	0.48	0.21	0.27
1600	---	---	---	---	---	---	---	---	---	---	0.53	0.63	0.27	0.35

AIR RESISTANCE

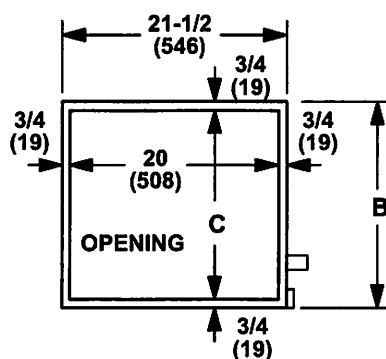
Air Volume cfm	NCHC36C		NCHC42B		NCHC42C		NCHC48B		NCHC48C		NCHC51C		NCHC60D	
	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
800	0.06	0.08	0.10	0.10	0.06	0.06	---	---	---	---	---	---	---	---
1000	0.10	0.13	0.14	0.18	0.09	0.10	0.14	0.16	---	---	---	---	---	---
1200	0.15	0.18	0.20	0.25	0.15	0.16	0.19	0.23	0.16	0.19	0.15	0.16	---	---
1400	0.19	0.23	0.26	0.31	0.18	0.21	0.25	0.29	0.21	0.26	0.20	0.23	0.12	0.16
1600	0.24	0.31	0.34	0.36	0.26	0.28	0.30	0.38	0.27	0.30	0.25	0.29	0.16	0.20
1800	---	---	0.42	0.47	0.31	0.38	0.38	0.42	0.33	0.39	0.31	0.36	0.20	0.24
2000	---	---	---	---	---	---	---	---	0.39	0.49	0.40	0.44	0.24	0.30
2200	---	---	---	---	---	---	---	---	---	---	0.48	0.54	0.29	0.36
2400	---	---	---	---	---	---	---	---	---	---	---	---	0.34	0.42

NCHC18 Through NCHC60

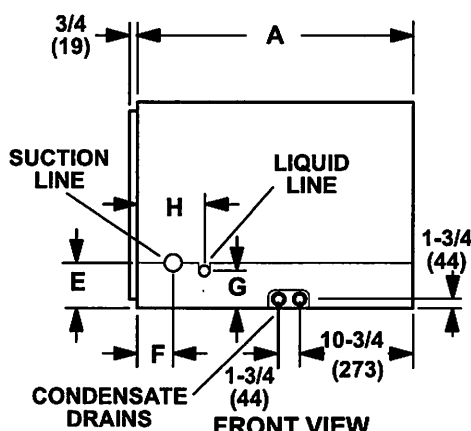
¹ Optional right-hand airflow requires a field fabricated 6 in. (152 mm) spacer in-between the furnace and coil.



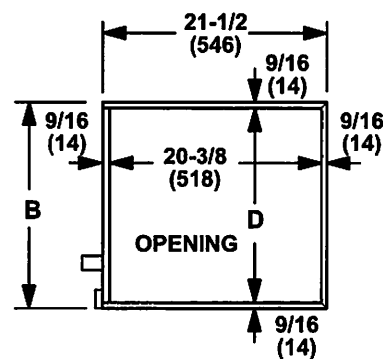
TOP VIEW



END VIEW



FRONT VIEW



END VIEW

Model No.	A		B		C		D		E		F		G		H	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
NCHC18A	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC24A	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC24B	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC30A	31-1/2	800	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC30B	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC36A	26-1/2	673	14-1/2	368	13	330	13-3/8	340	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC36B	26-1/2	673	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC36C	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC42B	31-1/2	800	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC42C	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC48B	31-1/2	800	17-1/2	444	16	406	16-3/8	416	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC48C	26-1/2	673	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC51C	31-1/2	800	21	533	19-1/2	495	19-7/8	505	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124
NCHC60D	31-1/2	800	24-1/2	622	23	584	23-3/8	594	3-3/8	86	2-1/8	54	3-5/8	92	4-7/8	124