VERTICAL EVAPORATOR COILS
N COIL – CASED
UPFLOW, DOWNFLOW
R–410A SYSTEMS
1–1/2 – 5 Tons

EcoTemp

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org .

ISO 9001 QMI-SAI Global

WLNC			WLNW	
WLNC Model	Size (tons)		WLNW Model	Size (tons)
WLNC184AA	1–1/2		WLNW364BA	3
WLNC194BA			WLNW424CA	3–1/2
WLNC244AA	2		WLNW484CA	4
WLNC244BA			WLNW604DA	5
WLNC304AA	2–1/2			
WLNC304BA				
WLNC314BA				
WLNC364BA	3			
WLNC364CA				
WLNC374BA				
WLNC424BA	3–1/2			
WLNC424CA				
WLNC434DA				
WLNC484CA	4			
WLNC484DA				
WLNC604DA	5			
WLNC614DA				

STANDARD FEATURES

- Aluminum hairpin/return–bend/fin "N" coil with latest high–tech fin design
- Bolt–on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with (WFMR, WFML, WFMR, WFAR, WFSR, WFHR) furnaces
- Sturdy, pre–painted steel cabinet with hemmed flanges for safety and removable front access panel
- Foil faced insulation
- Non–sweat cabinet that meet or exceed 2% air leakage codes

WLNC

- Upflow or downflow installation
- Compact design, shorter than comparable A–coils

WLNW

- Upflow or downflow installation
- Drainpan raised 2" (51mm) and block–off plate factory installed — for installing wider coil on narrower furnace without adding a transition

LIMITED WARRANTY*

- 5 year parts (with an additional 5 years parts if properly registered) limited warranty to the original purchaser only for owner–occupied dwellings – see warranty certificate for details.

WLNC, WLNW

Product Specifications

EVAPORATOR COIL MODEL NUMBER IDENTIFICATION GUIDE

Digit Position:	1, 2	3	4	5, 6	7	8	9	10
Example Part Number:	**WL**	**N**	**C**	**24**	**4**	**A**	**A**	**1**

WL = Aluminum Evaporator Coil

A= A coil
N = N coil — **TYPE**

U = Uncased Upflow/Downflow
C = Cased Upflow/Downflow
H = Cased Horizontal
W = Cased Upflow/Downflow for narrower furnaces — **INSTALLATION TYPE**

18, 19 = 18,000 BTU/hr = 1–1/2 TONS
24 = 24,000 BTU/hr = 2 TONS
30, 31 = 30,000 BTU/hr = 2–1/2 TONS
36, 37 = 36,000 BTU/hr = 3 TONS
42, 43 = 42,000 BTU/hr = 3–1/2 TONS
48 = 48,000 BTU/hr = 4 TONS
60, 61 = 60,000 BTU/hr = 5 TONS — **NOMINAL COOLING CAPACITY**

4 = R–410A — **REFRIGERANT**

A = 14–3/16"
B = 17–1/2"
C = 21"
D = 24–1/2" — **CABINET WIDTH**

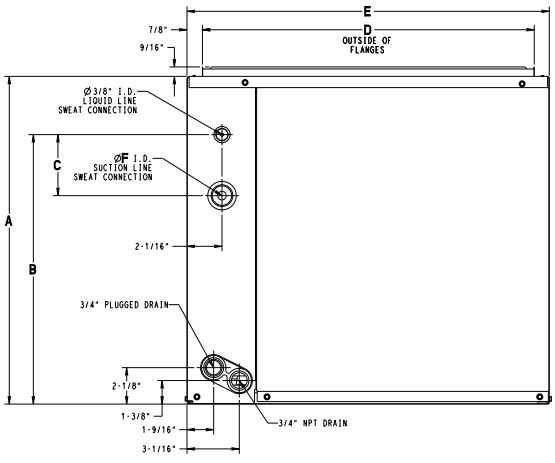
SALES DIGIT

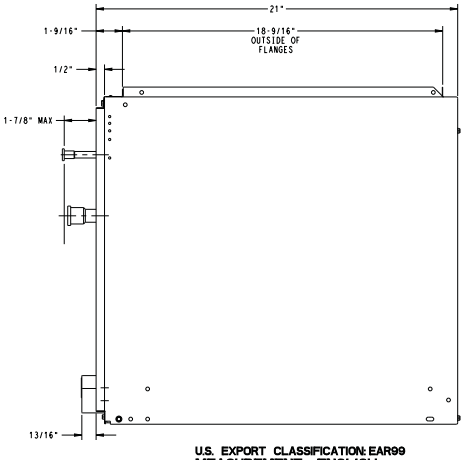
EXTRA DIGIT

Inches – English Drawing

UNIT	SERIES	A	B	C	D	E	F	SHIPPING WT (LBS)
WLNC184AA	1	12 5/8"	10 1/16"	5 5/16"	12 1/2"	14 3/16"	5/8"	36.0
WLNC194BA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	35.9
WLNC244AA	1	14 5/8"	10 1/16"	3 9/16"	12 1/2"	14 3/16"	5/8"	39.5
WLNC244BA	1	14 5/8"	10 1/16"	3 9/16"	15 3/4"	17 1/2"	5/8"	39.5
WLNC304AA	1	17"	13 5/8"	5 5/16"	12 1/2"	14 3/16"	3/4"	46.5
WLNC304BA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	47.0
WLNC314BA	1	23 1/4"	17 1/2"	3 9/16"	15 3/4"	17 1/2"	3/4"	46.3
WLNC364BA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	48.5
WLNC364CA	1	17"	13 9/16"	3 9/16"	19 1/4"	21"	3/4"	48.0
WLNC374BA	1	27 3/16"	17 1/2"	3 9/16"	15 3/4"	17 1/2"	7/8"	45.2
WLNC424BA	1	21 1/8"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	7/8"	52.0
WLNC424CA	1	19"	15 5/8"	3 9/16"	19 1/4"	21"	7/8"	56.5
WLNC434DA	1	26 5/16"	17 15/16"	3 9/16"	22 3/4"	24 1/2"	7/8"	58.0
WLNC484CA	1	22 1/16"	17 1/2"	3 9/16"	19 1/4"	21"	7/8"	65.5
WLNC484DA	1	22 1/16"	17 1/4"	3 9/16"	22 3/4"	24 1/2"	7/8"	62.0
WLNC604DA	1	26 7/8"	17 15/16"	3 9/16"	22 3/4"	24 1/2"	7/8"	78.0
WLNC614DA	1	32 7/16"	17 15/16"	3 9/16"	22 3/4"	24 9/16"	7/8"	83.5

NOTE:
1. SERIES DESIGNATION IS THE 10TH POSITION OF UNIT MODEL NUMBER.
2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.





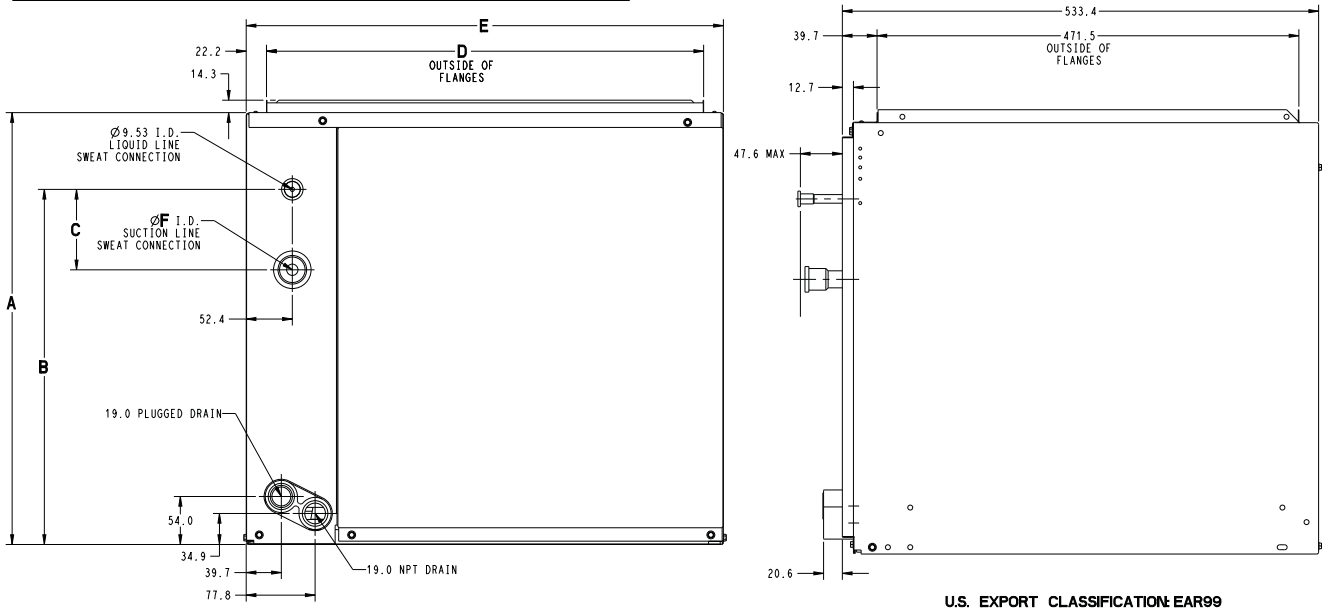
U.S. EXPORT CLASSIFICATION: EAR99
MEASUREMENT- ENGLISH

SD5135 REV C

SI Metric Drawing

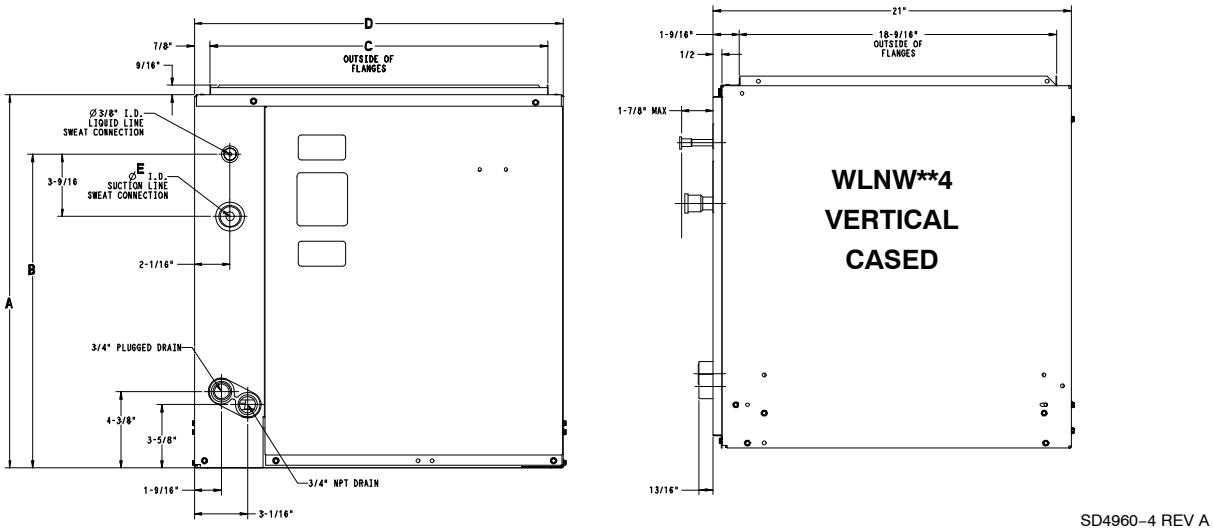
UNIT	SERIES	A	B	C	D	E	F	SHIPPING WT (Kgs)
WLNC184AA	1	320.7	255.6	135.0	317.5	360.4	15.88	16.3
WLNC194BA	1	432.4	352.4	90.0	400.3	445.1	19.05	16.3
WLNC244AA	1	371.5	255.6	90.0	317.5	360.4	15.88	17.9
WLNC244BA	1	371.5	255.6	90.0	400.0	444.5	15.88	17.9
WLNC304AA	1	431.8	346.1	135.0	317.5	360.4	19.05	21.1
WLNC304BA	1	431.8	352.4	90.0	400.0	444.5	19.05	21.3
WLNC314BA	1	591.2	444.0	90.0	400.3	445.1	19.05	21.0
WLNC364BA	1	431.8	352.4	90.0	400.0	444.5	19.05	22.0
WLNC364CA	1	431.8	344.5	90.0	489.0	533.4	19.05	21.8
WLNC374BA	1	690.6	444.0	90.0	400.3	445.1	22.23	20.5
WLNC424BA	1	536.6	352.4	90.0	400.0	444.5	22.23	23.6
WLNC424CA	1	482.6	396.9	90.0	489.0	533.4	22.23	25.6
WLNC434DA	1	668.8	455.2	90.0	578.1	622.9	22.23	26.3
WLNC484CA	1	560.4	444.5	90.0	489.0	533.4	22.23	29.7
WLNC484DA	1	560.4	438.2	90.0	577.8	622.3	22.23	28.1
WLNC604DA	1	682.6	455.6	90.0	577.8	622.3	22.23	35.4
WLNC614DA	1	824.0	455.2	90.0	578.1	623.5	22.23	37.9

NOTE:
1. SERIES DESIGNATION IS THE 10TH POSITION OF UNIT MODEL NUMBER.
2. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



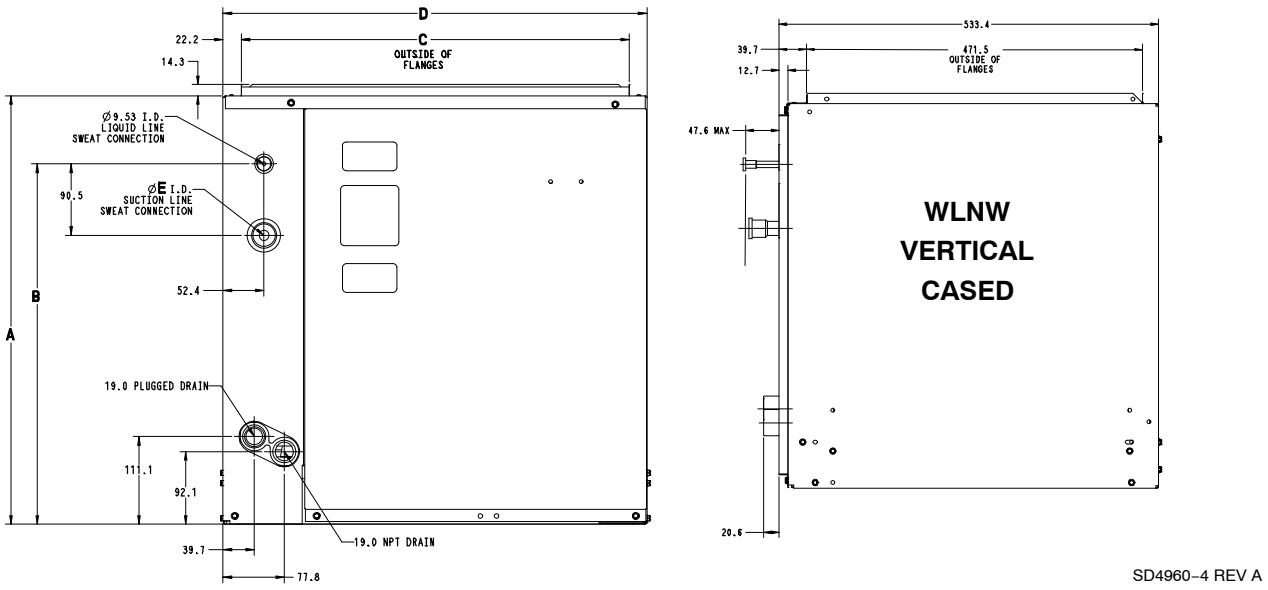
SD5135 REV C

Inches English Drawing – WLNW



SD4960–4 REV A

SI Metric Drawing – WLNW



DIMENSIONAL DATA — WLNW							
Model	Size (tons)	Inches – English (MM – SI Metric)					Shipping Weight lbs (kg)
		A	B	C	D	E	Aluminum
WLNW364B	3	19–13/16 (503)	16–1/8 (410)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	49 (22)
WLNW424C	3–1/2	21–13/16 (554)	17–7/8 (454)	19–1/4 (489)	21 (533)	7/8 (22)	62 (28)
WLNW484C	4	24–7/8 (632)	19–3/4 (502)	19–1/4 (489)	21 (533)	7/8 (22)	71 (32)
WLNW604D	5	29–1/8 (740)	20–3/16 (513)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	78 (35)

COOLING CAPACITIES (MBH)

UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
			30 (–1)			35 (2)			40 (4)			45 (7)			50 (10)		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
18	450	72 (22)	31.00	15.20	0.00	28.60	13.90	0.00	25.80	12.50	0.00	22.80	11.10	0.00	19.30	9.60	0.00
		67 (19)	26.00	15.70	0.00	23.50	14.30	0.01	20.70	12.80	0.01	17.60	11.30	0.01	14.10	9.80	0.01
		62 (17)	21.50	16.00	0.01	18.90	14.50	0.01	16.10	13.00	0.01	13.00	11.50	0.01	10.10	10.10	0.03
	600	72 (22)	38.30	18.70	0.00	35.30	17.10	0.00	32.00	15.50	0.00	28.20	13.80	0.00	23.90	12.00	0.01
		67 (19)	32.30	19.50	0.01	29.20	17.80	0.02	25.70	16.10	0.02	21.80	14.30	0.02	17.50	12.40	0.02
		62 (17)	26.70	20.10	0.02	23.50	18.40	0.02	20.00	16.60	0.02	16.20	14.80	0.02	12.90	12.90	0.06
	750	72 (22)	44.30	21.50	0.00	40.90	19.90	0.00	37.00	18.10	0.00	32.70	16.10	0.02	27.70	14.00	0.02
		67 (19)	37.40	22.80	0.03	33.90	20.90	0.03	29.90	19.00	0.03	25.40	16.90	0.03	20.40	14.70	0.04
		62 (17)	31.10	23.80	0.04	27.40	21.80	0.04	23.40	19.80	0.04	19.10	17.70	0.04	15.60	15.60	0.10
19	450	72 (22)	43.72	21.88	0.00	40.49	20.18	0.00	36.83	18.36	0.00	32.67	16.42	0.00	27.95	14.37	0.00
		67 (19)	36.66	22.46	0.00	33.32	20.65	0.00	29.55	18.73	0.00	25.28	16.69	0.00	20.45	14.55	0.00
		62 (17)	30.28	22.93	0.01	26.83	21.02	0.01	23.00	19.03	0.01	18.79	16.98	0.01	14.88	14.88	0.04
	600	72 (22)	53.61	26.56	0.00	49.70	24.60	0.00	45.23	22.48	0.00	40.13	20.19	0.01	34.31	17.72	0.01
		67 (19)	45.00	27.67	0.01	40.96	25.56	0.01	36.35	23.28	0.01	31.10	20.84	0.01	25.13	18.26	0.01
		62 (17)	37.22	28.61	0.01	33.03	26.36	0.01	28.38	24.00	0.01	23.28	21.54	0.02	19.00	19.00	0.07
	750	72 (22)	61.74	30.45	0.00	57.28	28.32	0.00	52.17	25.97	0.01	46.32	23.41	0.02	39.65	20.66	0.02
		67 (19)	51.91	32.14	0.02	47.30	29.82	0.02	42.02	27.29	0.02	35.98	24.55	0.02	29.10	21.62	0.02
		62 (17)	42.99	33.62	0.02	38.23	31.14	0.02	32.93	28.50	0.02	27.20	25.75	0.03	22.72	22.72	0.10
24	600	72 (22)	39.00	19.00	0.00	36.00	17.50	0.00	32.70	15.90	0.00	28.80	14.10	0.00	24.60	12.30	0.01
		67 (19)	32.80	19.80	0.01	29.80	18.20	0.01	26.30	16.40	0.01	22.40	14.60	0.02	18.10	12.60	0.02
		62 (17)	27.20	20.50	0.02	24.00	18.70	0.02	20.50	16.90	0.02	16.60	15.00	0.02	13.10	13.10	0.05
	800	72 (22)	47.10	22.80	0.00	43.60	21.10	0.00	39.60	19.30	0.00	35.00	17.30	0.02	29.90	15.10	0.02
		67 (19)	39.80	24.20	0.03	36.10	22.30	0.03	32.00	20.30	0.03	27.30	18.10	0.03	22.00	15.90	0.03
		62 (17)	33.10	25.40	0.03	29.30	23.40	0.03	25.10	21.20	0.03	20.50	19.00	0.04	16.70	16.70	0.09
	1000	72 (22)	53.40	25.90	0.00	49.50	24.20	0.00	45.10	22.10	0.02	40.00	19.90	0.03	34.10	17.50	0.04
		67 (19)	45.30	27.90	0.05	41.20	25.90	0.05	36.60	23.70	0.05	31.30	21.30	0.05	25.20	18.70	0.05
		62 (17)	37.80	29.60	0.05	33.60	27.40	0.05	28.80	25.10	0.05	23.80	22.70	0.06	20.00	20.00	0.13
30	750	72 (22)	48.00	23.50	0.00	44.00	21.40	0.00	39.70	19.20	0.00	34.80	17.00	0.00	29.40	14.60	0.01
		67 (19)	40.30	24.20	0.01	36.20	22.00	0.02	31.80	19.70	0.02	26.80	17.40	0.02	21.40	15.00	0.02
		62 (17)	33.20	24.80	0.02	29.10	22.50	0.02	24.60	20.20	0.02	19.90	17.90	0.02	15.60	15.60	0.05
	1000	72 (22)	58.70	28.50	0.00	53.90	26.10	0.00	48.50	23.60	0.00	42.50	20.90	0.02	35.80	18.10	0.03
		67 (19)	49.40	29.90	0.03	44.40	27.30	0.03	38.90	24.60	0.04	32.90	21.70	0.04	26.20	18.80	0.04
		62 (17)	40.80	30.90	0.04	35.80	28.20	0.04	30.30	25.40	0.04	24.60	22.60	0.05	19.90	19.90	0.10
	1250	72 (22)	67.40	32.70	0.00	61.90	30.10	0.00	55.70	27.30	0.02	48.80	24.20	0.04	41.10	21.00	0.05
		67 (19)	56.80	34.70	0.05	51.20	31.80	0.06	44.90	28.70	0.06	37.80	25.50	0.06	30.10	22.20	0.06
		62 (17)	47.10	36.30	0.06	41.30	33.20	0.06	35.00	30.10	0.06	28.60	27.00	0.07	23.70	23.70	0.14
31	750	72 (22)	74.50	37.07	0.00	68.51	33.85	0.00	61.86	30.50	0.00	54.41	27.00	0.00	46.04	23.35	0.00
		67 (19)	62.13	37.73	0.01	56.03	34.37	0.01	49.24	30.87	0.01	41.66	27.24	0.01	32.96	23.39	0.01
		62 (17)	50.98	38.20	0.01	44.75	34.72	0.01	37.95	31.17	0.01	30.17	27.36	0.01	23.70	23.70	0.06
	1000	72 (22)	92.35	45.51	0.00	85.01	41.76	0.00	76.78	37.78	0.00	67.46	33.54	0.01	57.03	29.08	0.01
		67 (19)	77.15	46.96	0.02	69.62	42.94	0.02	61.18	38.71	0.02	51.69	34.27	0.02	41.04	29.62	0.02
		62 (17)	63.39	48.06	0.02	55.66	43.85	0.02	47.21	39.53	0.02	38.21	35.15	0.02	30.59	30.59	0.08
	1250	72 (22)	107.37	52.63	0.00	98.97	48.52	0.00	89.37	44.04	0.01	78.59	39.23	0.02	66.39	34.13	0.02
		67 (19)	89.89	54.97	0.03	81.19	50.47	0.03	71.37	45.67	0.03	60.28	40.57	0.03	47.77	35.20	0.03
		62 (17)	73.97	56.83	0.03	64.99	52.05	0.03	55.22	47.14	0.03	44.93	42.16	0.04	36.94	36.94	0.11
36	900	72 (22)	58.10	28.30	0.00	53.40	25.90	0.00	48.00	23.30	0.00	42.10	20.60	0.01	35.50	17.80	0.02
		67 (19)	48.90	29.50	0.02	44.00	26.90	0.03	38.50	24.20	0.03	32.50	21.30	0.03	25.90	18.40	0.03
		62 (17)	40.40	30.40	0.03	35.40	27.70	0.03	29.90	24.90	0.03	24.20	22.10	0.04	19.40	19.40	0.08
	1200	72 (22)	70.00	33.90	0.00	64.30	31.20	0.00	57.80	28.30	0.02	50.70	25.10	0.04	42.70	21.80	0.05
		67 (19)	58.90	35.90	0.05	53.10	32.90	0.05	46.50	29.70	0.05	39.30	26.40	0.06	31.20	22.90	0.06
		62 (17)	48.80	37.50	0.06	42.80	34.30	0.06	36.30	31.00	0.06	29.60	27.80	0.06	24.40	24.40	0.13
	1500	72 (22)	79.30	38.60	0.00	72.90	35.60	0.02	65.70	32.30	0.05	57.50	28.80	0.06	48.50	25.10	0.07
		67 (19)	67.00	41.30	0.08	60.40	38.00	0.08	53.00	34.40	0.08	44.70	30.70	0.08	35.50	26.80	0.09
		62 (17)	55.70	43.60	0.09	48.80	40.00	0.09	41.60	36.50	0.09	34.20	32.90	0.10	28.80	28.80	0.18

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See legend and notes following.

COOLING CAPACITIES (MBH)																	
UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
			30 (–1)			35 (2)			40 (4)			45 (7)			50 (10)		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
37	900	72 (22)	86.45	42.79	0.00	79.79	39.28	0.00	72.26	35.55	0.00	63.72	31.59	0.00	54.22	27.47	0.00
		67 (19)	72.26	43.90	0.01	65.40	40.18	0.01	57.69	36.26	0.01	49.03	32.14	0.01	39.27	27.83	0.01
		62 (17)	59.44	44.77	0.01	52.40	40.88	0.01	44.62	36.85	0.01	36.17	32.73	0.01	28.45	28.45	0.06
	1200	72 (22)	106.02	52.03	0.00	97.94	48.01	0.00	88.72	43.65	0.00	78.38	39.00	0.01	66.68	34.06	0.01
		67 (19)	88.80	54.21	0.02	80.47	49.85	0.02	71.05	45.21	0.02	60.40	40.28	0.02	48.31	35.05	0.02
		62 (17)	73.18	55.98	0.02	64.58	51.37	0.02	55.14	46.59	0.02	44.93	41.66	0.02	36.59	36.59	0.08
	1500	72 (22)	122.09	59.72	0.00	112.86	55.34	0.00	102.29	50.48	0.02	90.55	45.34	0.02	77.08	39.79	0.03
		67 (19)	102.46	63.03	0.03	92.95	58.22	0.03	82.20	53.07	0.03	69.94	47.52	0.03	55.95	41.57	0.03
		62 (17)	84.62	65.86	0.03	74.82	60.74	0.03	64.08	55.41	0.03	52.61	49.87	0.04	43.79	43.79	0.12
42	1050	72 (22)	74.40	36.30	0.00	68.10	33.10	0.00	61.20	29.70	0.00	53.50	26.20	0.01	45.00	22.60	0.02
		67 (19)	62.30	37.60	0.02	56.00	34.20	0.03	48.90	30.60	0.03	41.20	27.00	0.03	32.80	23.30	0.03
		62 (17)	51.40	38.60	0.03	44.90	35.00	0.03	37.90	31.40	0.03	30.60	27.80	0.04	24.40	24.40	0.08
	1400	72 (22)	90.20	43.80	0.00	82.60	40.10	0.00	74.10	36.20	0.01	64.70	32.00	0.04	54.40	27.60	0.05
		67 (19)	75.80	46.00	0.05	68.00	42.00	0.05	59.40	37.70	0.06	50.00	33.40	0.06	39.60	28.90	0.06
		62 (17)	62.60	47.70	0.06	54.70	43.50	0.06	46.20	39.20	0.06	37.50	35.00	0.07	30.70	30.70	0.13
	1750	72 (22)	103.00	50.00	0.00	94.30	46.00	0.00	84.60	41.50	0.05	73.90	36.80	0.06	62.00	32.00	0.07
		67 (19)	86.70	53.10	0.08	77.80	48.60	0.08	68.00	43.90	0.08	57.10	39.00	0.08	45.20	33.90	0.09
		62 (17)	71.70	55.70	0.09	62.70	50.90	0.09	53.10	46.20	0.09	43.40	41.50	0.10	36.30	36.30	0.18
43	1050	72 (22)	96.72	47.64	0.00	89.31	43.85	0.00	80.91	39.78	0.00	71.39	35.44	0.00	60.74	30.89	0.01
		67 (19)	80.93	49.26	0.01	73.30	45.20	0.01	64.67	40.88	0.01	54.97	36.34	0.01	43.99	31.53	0.01
		62 (17)	66.64	50.56	0.01	58.77	46.28	0.01	50.10	41.84	0.01	40.70	37.29	0.02	32.63	32.63	0.07
	1400	72 (22)	117.07	57.30	0.00	108.20	53.03	0.00	98.03	48.31	0.01	86.74	43.33	0.02	73.81	37.96	0.02
		67 (19)	98.18	60.23	0.03	89.03	55.55	0.03	78.69	50.55	0.03	66.93	45.19	0.03	53.54	39.46	0.03
		62 (17)	81.03	62.70	0.03	71.60	57.72	0.03	61.25	52.56	0.03	50.15	47.21	0.03	41.46	41.46	0.11
	1750	72 (22)	133.38	65.28	0.00	123.30	60.58	0.02	111.98	55.48	0.03	99.21	50.01	0.04	84.49	44.04	0.04
		67 (19)	112.09	69.50	0.04	101.79	64.41	0.05	90.14	58.95	0.05	76.76	52.99	0.05	61.46	46.55	0.05
		62 (17)	92.72	73.26	0.05	82.16	67.85	0.05	70.58	62.18	0.05	58.38	56.24	0.06	49.33	49.33	0.15
48	1200	72 (22)	79.30	38.70	0.00	72.90	35.40	0.00	65.70	31.90	0.00	57.70	28.20	0.00	48.80	24.40	0.01
		67 (19)	66.60	40.20	0.02	60.00	36.60	0.02	52.70	32.90	0.02	44.60	29.10	0.02	35.70	25.10	0.03
		62 (17)	55.00	41.30	0.03	48.30	37.60	0.03	40.90	33.80	0.03	33.10	30.00	0.03	26.30	26.30	0.07
	1600	72 (22)	96.00	46.60	0.00	88.30	42.90	0.00	79.60	38.90	0.00	69.90	34.50	0.03	59.10	30.00	0.04
		67 (19)	80.90	49.20	0.04	72.90	45.00	0.04	64.10	40.70	0.05	54.20	36.10	0.05	43.30	31.40	0.05
		62 (17)	67.00	51.20	0.05	58.80	46.80	0.05	49.90	42.30	0.05	40.70	37.90	0.05	33.30	33.30	0.11
	2000	72 (22)	109.40	53.10	0.00	100.70	49.10	0.00	90.90	44.60	0.03	79.90	39.80	0.05	67.50	34.70	0.06
		67 (19)	92.40	56.70	0.06	83.40	52.20	0.07	73.30	47.40	0.07	62.00	42.20	0.07	49.50	36.90	0.07
		62 (17)	76.70	59.70	0.07	67.50	54.90	0.08	57.40	49.90	0.08	47.20	44.90	0.08	39.50	39.50	0.16
60	1600	72 (22)	103.20	50.40	0.00	94.40	45.90	0.00	84.80	41.10	0.00	74.10	36.30	0.00	62.40	31.20	0.02
		67 (19)	86.40	52.10	0.02	77.50	47.20	0.02	67.80	42.30	0.02	57.10	37.20	0.03	45.40	32.10	0.03
		62 (17)	71.20	53.30	0.03	62.20	48.30	0.03	52.40	43.30	0.03	42.30	38.30	0.03	33.50	33.50	0.07
	2000	72 (22)	120.70	58.70	0.00	110.40	53.60	0.00	99.00	48.20	0.00	86.40	42.50	0.02	72.60	36.70	0.03
		67 (19)	101.20	61.30	0.03	90.70	55.70	0.04	79.20	50.00	0.04	66.60	44.10	0.04	52.80	38.10	0.05
		62 (17)	83.40	63.20	0.05	72.80	57.40	0.05	61.40	51.60	0.05	49.70	46.00	0.05	40.30	40.30	0.11
	2400	72 (22)	135.60	65.80	0.00	124.10	60.30	0.00	111.20	54.40	0.01	97.00	48.00	0.04	81.30	41.50	0.05
		67 (19)	113.90	69.30	0.05	102.10	63.20	0.06	89.10	56.90	0.06	74.80	50.30	0.06	59.20	43.60	0.06
		62 (17)	94.10	72.10	0.06	82.10	65.70	0.06	69.30	59.30	0.06	56.40	53.00	0.07	46.50	46.50	0.14
61	1600	72 (22)	146.13	71.69	0.00	134.50	65.77	0.00	121.56	59.54	0.00	106.83	52.86	0.00	90.32	45.83	0.01
		67 (19)	122.06	74.12	0.02	110.18	67.82	0.02	96.85	61.17	0.02	81.83	54.15	0.02	64.91	46.78	0.02
		62 (17)	100.28	76.03	0.02	88.07	69.40	0.02	74.72	62.59	0.02	60.46	55.67	0.02	48.56	48.56	0.08
	2000	72 (22)	169.63	82.84	0.00	156.39	76.39	0.00	141.33	69.41	0.01	124.36	61.86	0.02	105.10	53.83	0.02
		67 (19)	142.02	86.75	0.03	128.36	79.72	0.03	112.89	72.20	0.03	95.38	64.18	0.03	75.60	55.70	0.03
		62 (17)	116.90	89.93	0.03	102.76	82.43	0.03	87.41	74.75	0.03	71.17	66.88	0.04	58.57	58.57	0.11
	2400	72 (22)	189.44	92.42	0.00	174.81	85.58	0.00	158.22	77.98	0.02	139.30	69.76	0.03	117.75	60.94	0.04
		67 (19)	158.99	97.85	0.04	143.83	90.25	0.04	126.61	82.05	0.04	107.02	73.24	0.05	84.86	63.87	0.05
		62 (17)	131.10	102.40	0.05	115.46	94.29	0.05	98.49	85.91	0.05	80.79	77.29	0.06	67.60	67.60	0.14

— Continued on next page —

See legend and notes following.

Legend:

CFM – Cubic Ft. per Minute
EWB – Entering Wet Bulb
LWB – Leaving Wet Bulb
TC – Gross Cooling Capacity 1000 Btuh
SHC – Gross Sensible Capacity 1000 Btuh
BF – Bypass Factor
MBH – 1000 Btuh

See notes following.

NOTES:

1. Contact manufacturer for cooling capacities at conditions other than shown in table.
2. Formulas:
   Leaving db = entering db – $\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$

   Leaving wb = wb corresponding to enthalpy of air leaving coil (h_{LWB})

   $h_{LWB} = h_{EWB} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$

   Where h_{EWB} = enthalpy of air entering coil
3. SHC is based on 80°F (27°C) db temperature of air entering the evaporator coil.
   Below 80°F (27°C) db, subtract (Correction Factor x CFM) from SHC.
   Above 80°F (27°C) db, add (Correction Factor x CFM) to SHC.
4. Direct interpolation is permissible. Do not extrapolate.
5. Fan motor heat has not been deducted.
6. All data points are based on 10°F (–12°C) superheat leaving coil and use of thermostatic expansion valve (TXV) device.
7. The WLNC and WLNW coils can be used in any properly designed system using R–410A refrigerant.
8. Before using maximum cfm shown in table, check coil static pressure drop to ensure system blower can provide necessary static pressure needed for coil and duct systems.
9. Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

BYPASS FACTOR	ENTERING AIR DRY BULB TEMPERATURE °F (°C)					
	79 (26)	78 (26)	77 (25)	76 (24)	75 (24)	Under 75 (24)
	81 (27)	82 (28)	83 (28)	84 (29)	84 (29)	Above 85 (29)
	Correction Factor					
0.10	0.98	1.96	2.94	3.92	4.91	Use formula shown below
0.20	0.87	1.74	2.62	3.49	4.36	
0.30	0.76	1.53	2.29	3.05	3.82	

Interpolation is permissible.
Correction Factor = 1.09 x (1 – BF) x (db – 80)

COIL STATIC PRESSURE DROP (in. w.c.)

UNIT SIZE	Standard CFM																	
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
184A	Dry																	
	0.078	0.114	0.156	0.198	0.253													
	Wet																	
	0.096	0.138	0.183	0.213	0.277													
194B	Dry																	
	0.042	0.060	0.080	0.102	0.128													
	Wet																	
	0.055	0.076	0.104	0.127	0.158													
244A	Dry																	
	0.070	0.103	0.143	0.182	0.233	0.290	0.354											
	Wet																	
	0.089	0.128	0.171	0.214	0.269	0.336	0.413											
244B	Dry																	
	0.048	0.068	0.090	0.112	0.140	0.170	0.203											
	Wet																	
	0.064	0.091	0.122	0.150	0.188	0.224	0.263											
304A	Dry																	
	0.065	0.097	0.135	0.173	0.223	0.278	0.339	0.405	0.478									
	Wet																	
	0.078	0.114	0.160	0.206	0.260	0.321	0.388	0.461	0.540									
304B	Dry																	
	0.042	0.060	0.080	0.102	0.128	0.157	0.188	0.222	0.259									
	Wet																	
	0.055	0.076	0.104	0.127	0.158	0.190	0.225	0.266	0.309									
314B	Dry																	
	0.031	0.046	0.063	0.083	0.105	0.130	0.156	0.193	0.230									
	Wet																	
	0.039	0.056	0.075	0.097	0.121	0.149	0.179	0.212	0.249									
364B	Dry																	
	0.043	0.061	0.082	0.103	0.128	0.157	0.189	0.221	0.259	0.299	0.341							
	Wet																	
	0.056	0.079	0.107	0.133	0.166	0.200	0.236	0.276	0.315	0.361	0.413							
364C	Dry																	
	0.035	0.048	0.062	0.076	0.093	0.111	0.132	0.153	0.177	0.201	0.228							
	Wet																	
	0.049	0.066	0.085	0.100	0.122	0.144	0.171	0.192	0.217	0.245	0.276							
374B	Dry																	
	0.025	0.038	0.054	0.072	0.093	0.117	0.143	0.171	0.205	0.233	0.273							
	Wet																	
	0.030	0.044	0.061	0.079	0.103	0.125	0.154	0.182	0.216	0.251	0.288							
424B	Dry																	
			0.072	0.093	0.118	0.145	0.175	0.206	0.243	0.281	0.322	0.366	0.413					
	Wet																	
			0.079	0.102	0.130	0.159	0.192	0.228	0.26	0.303	0.348	0.396	0.446					
424C	Dry																	
	0.030	0.041	0.054	0.066	0.082	0.099	0.118	0.137	0.158	0.180	0.205	0.231	0.259					
	Wet																	
	0.043	0.059	0.078	0.101	0.126	0.153	0.181	0.207	0.234	0.260	0.288	0.319	0.354					
434D	Dry																	
				.053	0.062	0.073	0.084	0.097	0.111	0.126	0.138	0.154	0.172	0.190	0.210			
	Wet																	
				.067	0.082	0.096	0.112	0.129	0.145	0.163	0.171	0.191	0.212	0.235	0.258			
484C	Dry																	
			0.047	0.060	0.075	0.092	0.110	0.130	0.152	0.176	0.204	0.230	0.256	0.284	0.318			
	Wet																	
			0.053	0.067	0.085	0.104	0.125	0.147	0.172	0.200	0.228	0.259	0.292	0.327	0.365			
484D	Dry																	
			0.015	0.046	0.057	0.069	0.094	0.100	0.119	0.124	0.140	0.158	0.175	0.195	0.214			
	Wet																	
			0.032	0.050	0.066	0.081	0.097	0.114	0.131	0.150	0.169	0.190	0.211	0.233	0.257			
604D	Dry																	
					0.062	0.073	0.084	0.097	0.111	0.126	0.138	0.154	0.172	0.190	0.210	0.228	0.251	0.273
	Wet																	
					0.082	0.096	0.112	0.129	0.145	0.163	0.171	0.191	0.212	0.235	0.258	0.283	0.310	0.336
614D	Dry																	
											.130	0.140	0.160	0.180	0.200	0.220	0.240	0.270
	Wet																	
											.150	0.170	0.190	0.210	0.230	0.260	0.290	0.310