

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



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.



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

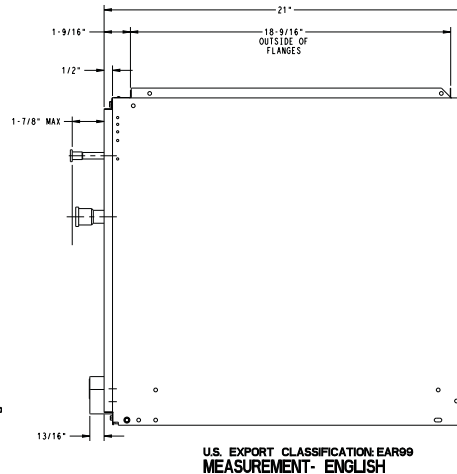
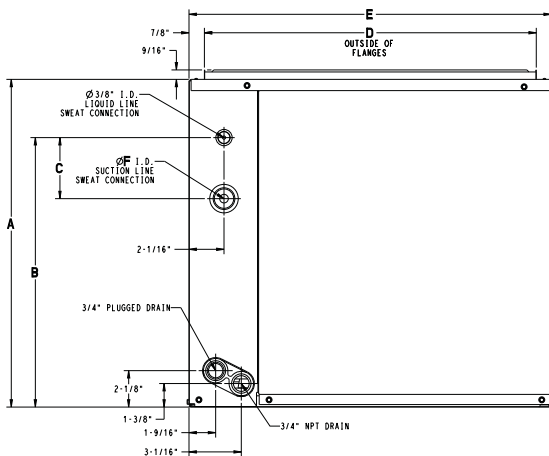
EVAPORATOR COIL MODEL NUMBER IDENTIFICATION GUIDE

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 U = Uncased Upflow/Downflow C = Cased Upflow/Downflow H = Cased Horizontal W = Cased Upflow/Downflow for narrower furnaces 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								
TYPE								
INSTALLATION TYPE								
NOMINAL COOLING CAPACITY								
REFRIGERANT								
CABINET WIDTH								
4 = R-410A A = 14-3/16" B = 17-1/2" C = 21" D = 24-1/2" SALES DIGIT EXTRA DIGIT								

Inches - English Drawing

UNIT	SERIES	A	B	C	D	E	F	SHIPPING WT (LBS)
WLNC18AAA	1	12 5/8"	10 1/16"	5 5/16"	12 1/2"	14 3/16"	5/8"	36.0
WLNC19ABA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	35.9
WLNC24AAA	1	14 5/8"	10 1/16"	3 9/16"	12 1/2"	14 3/16"	5/8"	39.5
WLNC24ABA	1	14 5/8"	10 1/16"	3 9/16"	15 3/4"	17 1/2"	5/8"	39.5
WLNC30AAA	1	17"	13 5/8"	5 5/16"	12 1/2"	14 3/16"	3/4"	46.5
WLNC30ABA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	47.0
WLNC31ABA	1	23 1/4"	17 1/2"	3 9/16"	15 3/4"	17 1/2"	3/4"	46.3
WLNC36ABA	1	17"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	3/4"	48.5
WLNC36ACA	1	17"	13 9/16"	3 9/16"	19 1/4"	21"	3/4"	48.0
WLNC37ABA	1	27 3/16"	17 1/2"	3 9/16"	15 3/4"	17 1/2"	7/8"	45.2
WLNC42ABA	1	21 1/8"	13 7/8"	3 9/16"	15 3/4"	17 1/2"	7/8"	52.0
WLNC42ACA	1	19"	15 5/8"	3 9/16"	19 1/4"	21"	7/8"	56.5
WLNC43ADA	1	26 5/16"	17 15/16"	3 9/16"	22 3/4"	24 1/2"	7/8"	58.0
WLNC48ACA	1	22 1/16"	17 1/2"	3 9/16"	19 1/4"	21"	7/8"	65.5
WLNC48ADA	1	22 1/16"	17 1/4"	3 9/16"	22 3/4"	24 1/2"	7/8"	62.0
WLNC60ADA	1	26 7/8"	17 15/16"	3 9/16"	22 3/4"	24 1/2"	7/8"	78.0
WLNC61ADA	1	32 7/16"	17 15/16"	3 9/16"	22 3/4"	24 9/16"	7/8"	83.5

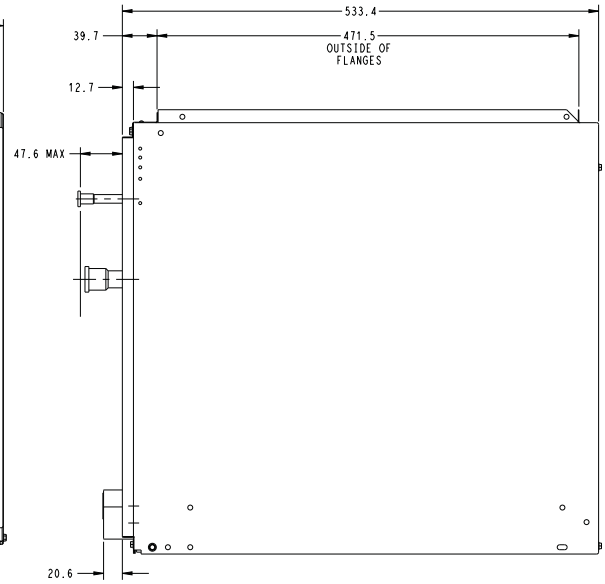
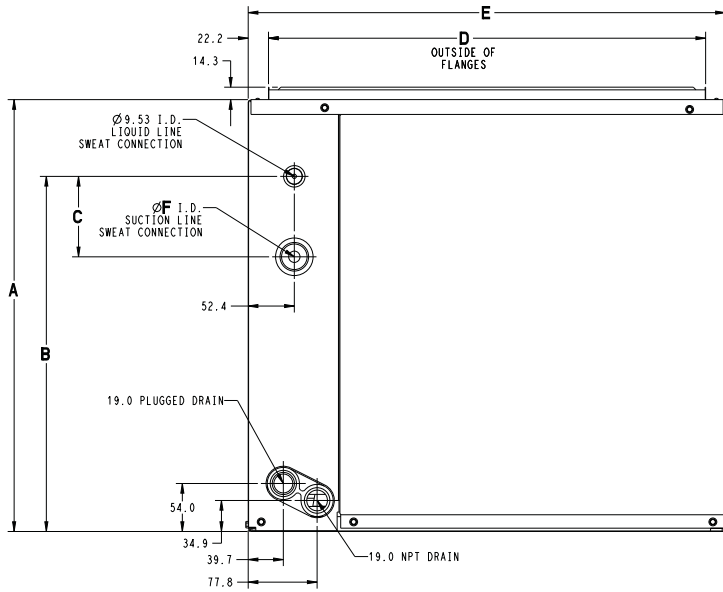
- NOTE:
 1. SERIES DESIGNATION IS THE 10TH POSITION OF UNIT MODEL NUMBER.
 2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.



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

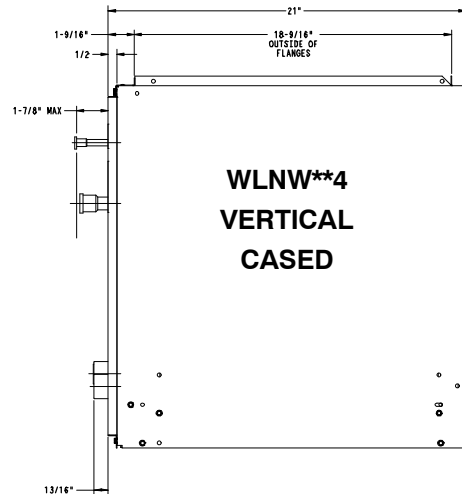
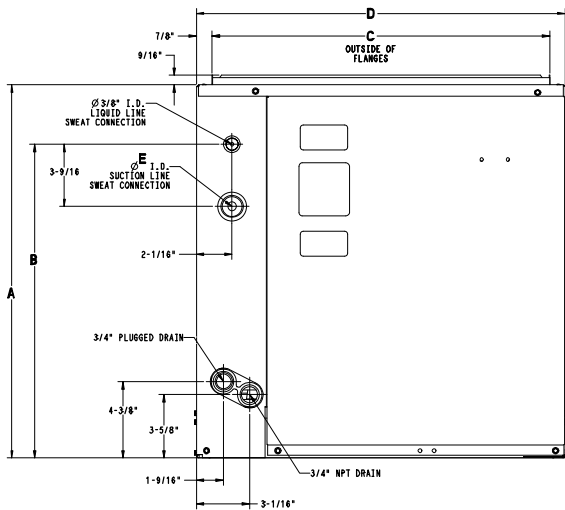
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U.S. EXPORT CLASSIFICATION: EAR99
 MEASUREMENT- METRIC "SI"

SD5135 REV C

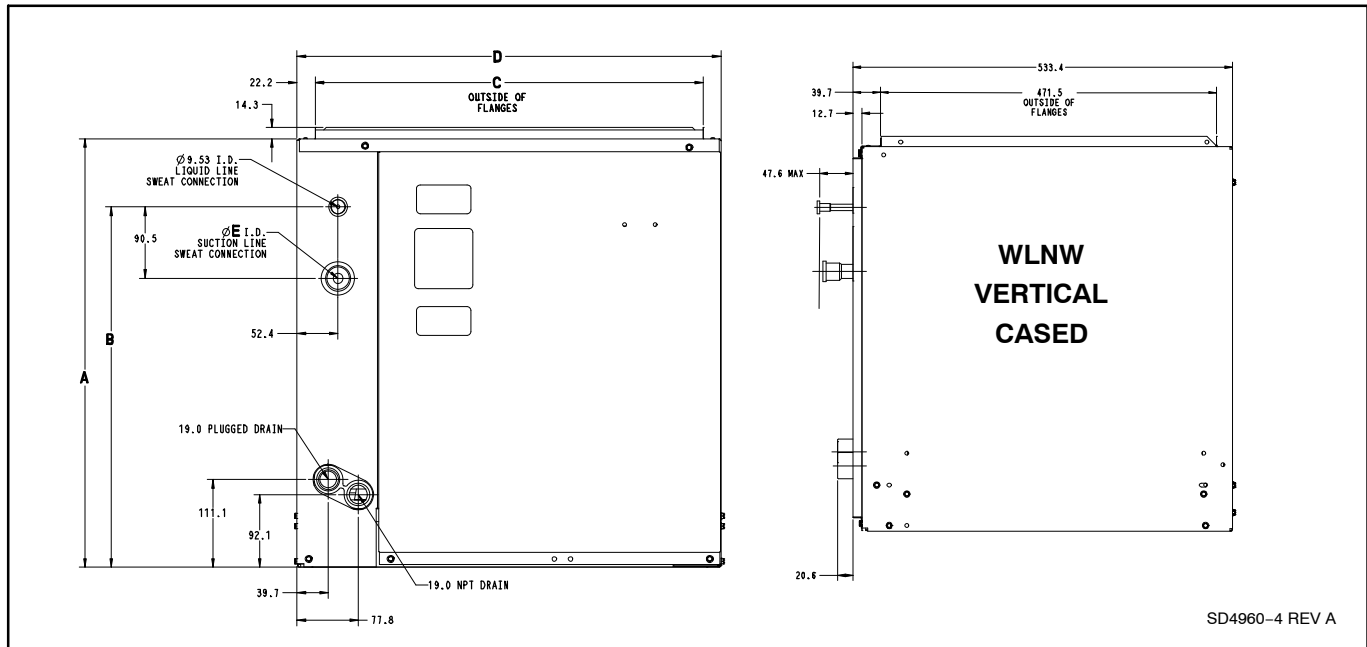
Inches English Drawing - WLNW



WLNW**4
 VERTICAL
 CASED

SD4960-4 REV A

SI Metric Drawing – WLNW



DIMENSIONAL DATA — WLNW							
Model	Size (tons)	Inches - English (MM - SI Metric)					Shipping Weight lbs (kg) Aluminum
		A	B	C	D	E	
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 = $1.09 \times (1 - BF) \times (db - 80)$

UNIT SIZE		COIL STATIC PRESSURE DROP (in. w.c.)																	
		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																	
194B		0.096	0.138	0.183	0.213	0.277													
		Dry																	
		0.042	0.060	0.080	0.102	0.128													
244A		Wet																	
		0.055	0.076	0.104	0.127	0.158													
		Dry																	
244B		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											
304A		Dry																	
		0.048	0.068	0.090	0.112	0.140	0.170	0.203											
		Wet																	
304B		0.064	0.091	0.122	0.150	0.188	0.224	0.263											
		Dry																	
		0.065	0.097	0.135	0.173	0.223	0.278	0.339	0.405	0.478									
314B		Wet																	
		0.078	0.114	0.160	0.206	0.260	0.321	0.388	0.461	0.540									
		Dry																	
364B		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									
364C		Dry																	
		0.031	0.046	0.063	0.083	0.105	0.130	0.156	0.193	0.230									
		Wet																	
374B		0.039	0.056	0.075	0.097	0.121	0.149	0.179	0.212	0.249									
		Dry																	
		0.043	0.061	0.082	0.103	0.128	0.157	0.189	0.221	0.259	0.299	0.341							
424B		Wet																	
		0.056	0.079	0.107	0.133	0.166	0.200	0.236	0.276	0.315	0.361	0.413							
		Dry																	
424C		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							
434D		Dry																	
		0.025	0.038	0.054	0.072	0.093	0.117	0.143	0.171	0.205	0.233	0.273							
		Wet																	
484C		0.030	0.044	0.061	0.079	0.103	0.125	0.154	0.182	0.216	0.251	0.288							
		Dry																	
				0.072	0.093	0.118	0.145	0.175	0.206	0.243	0.281	0.322	0.366	0.413					
484D		Wet																	
				0.079	0.102	0.130	0.159	0.192	0.228	0.26	0.303	0.348	0.396	0.446					
		Dry																	
604D		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					
614D		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																	
614D					.067	0.082	0.096	0.112	0.129	0.145	0.163	0.171	0.191	0.212	0.235	0.258			
		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			
614D		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			
		Dry																	
614D				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			
614D		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																	
614D					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	
		Dry																	
												.130	0.140	0.160	0.180	0.200	0.220	0.240	0.270
614D		Wet																	
												.150	0.170	0.190	0.210	0.230	0.260	0.290	0.310
		Dry																	