

EVAPORATOR COILS A COIL - UNCASED R-410A or R-22 SYSTEMS 1-1/2 — 5 Tons



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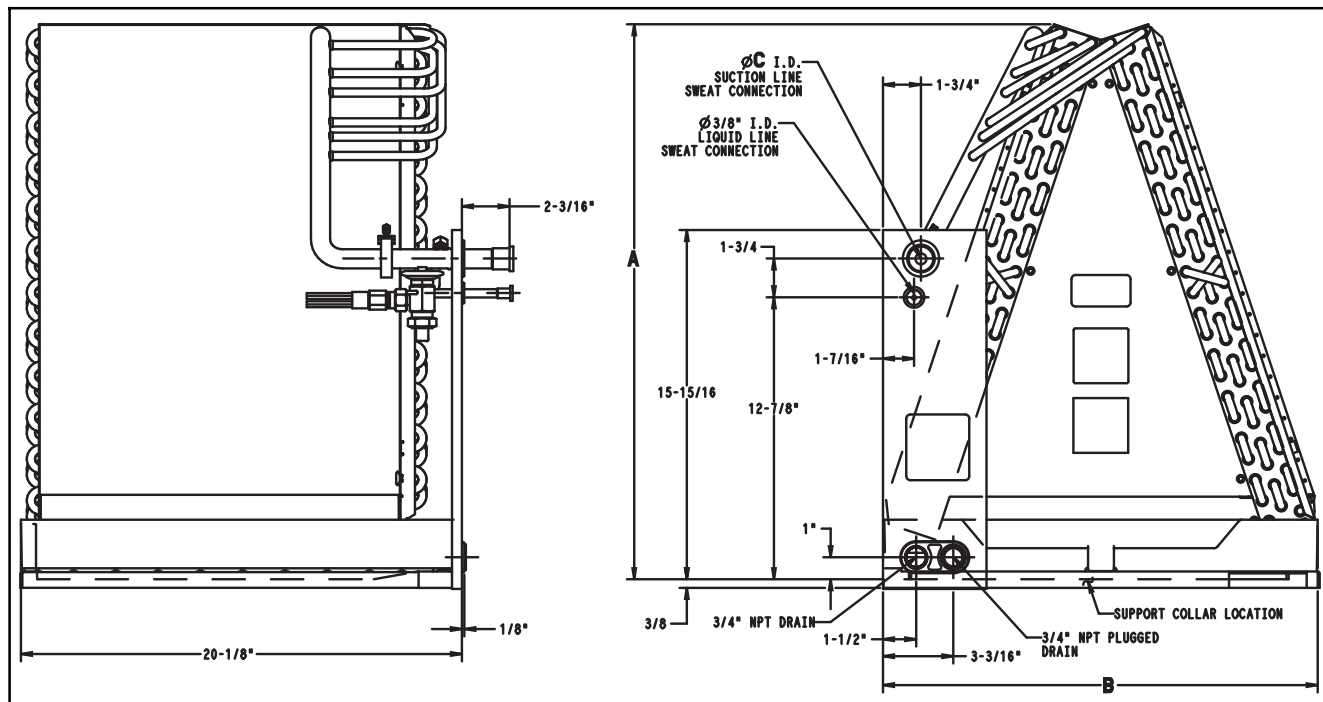
WLAU

R-410A			R-22		
Model	Size (tons)	Shipping Weight (lbs)	Model	Size (tons)	Shipping Weight (lbs)
WLAU184AA	1- 1/2	22.0	WLAU182AA	1- 1/2	22.0
WLAU244AA	2	26.5	WLAU242AA	2	26.5
WLAU244BA		29.0	WLAU242BA		29.0
WLAU304AA	2- 1/2	33.0	WLAU302AA	2- 1/2	33.0
WLAU304BA		33.0	WLAU302BA		33.0
WLAU364AA	3	32.0	WLAU362AA	3	32.0
WLAU364BA		36.5	WLAU362BA		36.5
WLAU364CA		37.5	WLAU362CA		37.5
WLAU424CA	3- 1/2	40.0	WLAU422CA	3- 1/2	40.0
WLAU424DA		43.5	WLAU422DA		43.5
WLAU484BA	4	52.0	WLAU482BA	4	52.0
WLAU484CA		49.0	WLAU482CA		49.0
WLAU484DA		50.5	WLAU482DA		50.5
WLAU604CA	5	59.0	WLAU602CA	5	59.0
WLAU614CA	5	61.5			
WLAU604DA	5	57.0	WLAU602DA	5	57.0

STANDARD FEATURES

- **Thermostatic Expansion Valves (TXV)** — All coils have refrigerant- specific, factory- installed TXVs.
- **Durable Condensate Pan** — Corrosion- resistant drain pan with fiberglass reinforced thermoset polyester material for pan strength. Engineered with proper slope to help ensure water drainage, reduced pan sweating and improved moisture removal.
- **Aluminum hairpin/return- bend/fin "A"** coil with the latest high- tech fin design
- **Refrigerant Connections** — Coils have industry proven sweat connections for leak- free operation. The side mounting tubing to the coil slabs allows for easy cleaning and servicing of the coils and easy access to TXV.
- **Burst Pressure** — Coils meet or exceed burst pressure of 2100 psi; good for either R- 410A or R- 22 refrigerant designs.
- **Serviceability** — Coils come with a split- delta plate for easy access to the coil for service and cleaning. Coils are removable from the front of the unit without use of any tools (once the door is removed). Units are also designed with a single size screw.
- **Installation Flexibility** — The WLAU**4 and WLAU**2 evaporator coils provide flexibility for a wide variety of field applications installed in either a factory- manufactured accessory casing, or a field- supplied plenum enclosure. Water management capabilities have been enhanced for downflow applications.
- **Coil Support** — Standard factory pan support provides precise durable support in the plenum for easier installations.
- **Face Plate** — Face plate comes shipped with the coil providing a more professional installation and prevents air leaks at the refrigerant line connections.
- **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.

Product Specifications



A05393

DIMENSIONS

MODEL SERIES	A (IN.)	B (IN.)	C (IN.)	SHIPPING WT. (LBS.)
WLAU18*AA	13- 5/8	13	5/8	22.0
WLAU24*AA	17- 3/4	13	5/8	26.5
WLAU24*BA	17- 1/4	16- 5/16	5/8	29.0
WLAU30*AA	21- 7/8	13	3/4	33.0
WLAU30*BA	21- 7/16	16- 5/16	3/4	33.0
WLAU36*AA	23- 15/16	13	3/4	32.0
WLAU36*BA	23- 9/16	16- 5/16	3/4	36.5
WLAU36*CA	23	19- 13/16	3/4	37.5
WLAU42*CA	25- 1/16	19- 13/16	7/8	40.0
WLAU42*DA	24- 1/2	23- 5/16	7/8	43.5
WLAU48*BA	29- 7/8	16- 5/16	7/8	52.0
WLAU48*CA	25- 5/16	19- 13/16	7/8	49.0
WLAU48*DA	24- 13/16	23- 5/16	7/8	50.5
WLAU60*CA	31- 1/2	19- 13/16	7/8	59.0
WLAU61*CA	31- 1/2	19- 13/16	7/8	61.5
WLAU60*DA	31- 1/16	23- 5/16	7/8	57.0

*2 = R- 22, 4 = R410A

PERFORMANCE DATA

COOLING CAPACITIES (MBH) - R-410A REFRIGERANT

WLAU**4 UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
			30			35			40			45			50		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
18	450	72	32.00	15.70	0.00	29.30	14.30	0.00	26.40	12.80	0.00	23.10	11.30	0.00	19.50	9.70	0.01
		67	26.80	16.10	0.01	24.10	14.60	0.01	21.10	13.10	0.01	17.80	11.50	0.02	14.20	9.90	0.02
		62	22.10	16.50	0.02	19.30	14.90	0.02	16.40	13.40	0.02	13.20	11.80	0.02	10.30	10.30	0.05
	600	72	39.20	19.10	0.00	36.00	17.40	0.00	32.30	15.70	0.00	28.30	13.90	0.02	23.80	12.00	0.02
		67	32.90	19.90	0.03	29.60	18.20	0.03	25.90	16.30	0.03	21.90	14.40	0.03	17.40	12.50	0.03
		62	27.20	20.60	0.04	23.80	18.80	0.04	20.20	16.90	0.04	16.30	15.00	0.04	13.20	13.20	0.09
	750	72	45.10	21.90	0.00	41.40	20.10	0.00	37.20	18.20	0.02	32.60	16.10	0.04	27.40	14.00	0.04
		67	38.00	23.20	0.05	34.20	21.20	0.05	29.90	19.10	0.05	25.20	17.00	0.05	20.00	14.70	0.06
		62	31.50	24.20	0.06	27.60	22.10	0.06	23.40	20.00	0.06	19.10	17.90	0.06	15.70	15.70	0.13
24	600	72	39.40	19.20	0.00	36.30	17.60	0.00	32.80	15.90	0.00	28.90	14.10	0.00	24.50	12.20	0.01
		67	33.10	20.00	0.01	29.90	18.20	0.01	26.30	16.40	0.01	22.40	14.50	0.02	17.90	12.60	0.02
		62	27.40	20.50	0.02	24.10	18.70	0.02	20.50	16.90	0.02	16.60	15.00	0.02	13.10	13.10	0.05
	800	72	47.70	23.20	0.00	44.00	21.40	0.00	39.80	19.40	0.00	35.10	17.30	0.02	29.80	15.10	0.02
		67	40.30	24.50	0.03	36.40	22.50	0.03	32.10	20.40	0.03	27.30	18.10	0.03	21.80	15.80	0.03
		62	33.40	25.50	0.04	29.50	23.40	0.04	25.10	21.20	0.04	20.50	19.00	0.04	16.70	16.70	0.09
	1000	72	54.30	26.40	0.00	50.20	24.40	0.00	45.40	22.30	0.02	40.10	20.00	0.04	34.00	17.50	0.04
		67	46.00	28.20	0.05	41.70	26.10	0.05	36.80	23.70	0.05	31.20	21.20	0.05	25.00	18.60	0.05
		62	38.30	29.80	0.05	33.80	27.50	0.06	28.90	25.10	0.06	23.80	22.60	0.06	19.90	19.90	0.14
30	750	72	49.10	24.00	0.00	45.00	21.90	0.00	40.50	19.70	0.00	35.50	17.40	0.00	30.00	15.00	0.01
		67	41.20	24.80	0.01	37.00	22.50	0.02	32.40	20.20	0.02	27.40	17.80	0.02	21.90	15.30	0.02
		62	34.00	25.40	0.02	29.70	23.00	0.02	25.10	20.60	0.02	20.30	18.30	0.02	16.00	16.00	0.06
	1000	72	59.90	29.10	0.00	55.00	26.70	0.00	49.50	24.10	0.00	43.30	21.30	0.02	36.50	18.40	0.03
		67	50.40	30.50	0.03	45.30	27.90	0.04	39.70	25.10	0.04	33.50	22.20	0.04	26.70	19.20	0.04
		62	41.70	31.60	0.04	36.50	28.80	0.04	30.90	26.00	0.04	25.00	23.10	0.05	20.30	20.30	0.10
	1250	72	68.80	33.40	0.00	63.20	30.70	0.00	56.80	27.80	0.03	49.70	24.70	0.04	41.90	21.40	0.05
		67	58.00	35.40	0.06	52.20	32.40	0.06	45.70	29.30	0.06	38.50	26.00	0.06	30.60	22.60	0.07
		62	48.00	37.00	0.07	42.10	33.90	0.07	35.70	30.70	0.07	29.20	27.50	0.07	24.20	24.20	0.14
36	900	72	60.30	29.40	0.00	55.40	26.90	0.00	49.90	24.30	0.00	43.80	21.50	0.01	37.00	18.60	0.02
		67	50.70	30.60	0.02	45.70	27.90	0.03	40.10	25.10	0.03	33.90	22.20	0.03	27.00	19.20	0.03
		62	41.90	31.50	0.03	36.70	28.70	0.03	31.10	25.80	0.03	25.10	22.90	0.04	20.00	20.00	0.08
	1200	72	72.40	35.10	0.00	66.50	32.30	0.00	59.90	29.30	0.02	52.50	26.00	0.04	44.30	22.60	0.05
		67	61.00	37.10	0.05	55.00	34.00	0.06	48.20	30.70	0.06	40.70	27.30	0.06	32.40	23.70	0.06
		62	50.50	38.80	0.06	44.30	35.50	0.06	37.60	32.10	0.06	30.60	28.70	0.07	25.20	25.20	0.13
	1500	72	82.20	39.90	0.00	75.60	36.90	0.02	68.10	33.50	0.05	59.70	29.90	0.07	50.40	26.10	0.08
		67	69.40	42.70	0.08	62.60	39.30	0.08	55.00	35.70	0.08	46.40	31.80	0.09	37.00	27.80	0.09
		62	57.70	45.10	0.09	50.70	41.40	0.09	43.10	37.70	0.09	35.50	34.00	0.10	29.80	29.80	0.18
42	1050	72	75.00	36.40	0.00	69.30	33.70	0.00	62.60	30.60	0.01	55.10	27.40	0.02	46.90	24.00	0.03
		67	63.30	38.80	0.03	57.20	35.70	0.03	50.50	32.50	0.03	42.90	29.00	0.04	33.50	25.00	0.04
		62	52.60	40.80	0.04	46.40	37.60	0.04	39.50	34.10	0.04	32.00	30.40	0.05	26.40	26.40	0.14
	1400	72	87.10	42.50	0.00	80.60	39.50	0.03	73.00	36.20	0.04	64.20	32.50	0.05	54.40	28.60	0.06
		67	73.80	46.10	0.06	66.90	42.70	0.06	58.90	39.00	0.07	50.10	35.20	0.07	40.00	30.90	0.07
		62	61.40	49.30	0.07	54.40	45.70	0.07	46.90	42.10	0.07	39.00	38.10	0.09	33.00	33.00	0.19
	1750	72	96.50	47.40	0.05	89.50	44.30	0.07	81.30	40.80	0.07	71.70	36.90	0.08	60.50	32.60	0.09
		67	82.10	52.30	0.09	74.60	48.80	0.09	65.90	44.90	0.09	55.90	40.60	0.09	45.10	36.20	0.10
		62	68.60	56.80	0.10	61.00	53.10	0.10	52.90	49.10	0.10	44.90	44.90	0.12	38.70	38.70	0.24
48	1200	72	83.40	40.60	0.00	76.70	37.20	0.00	69.30	33.60	0.00	60.90	29.80	0.01	51.70	25.80	0.02
		67	70.10	42.30	0.02	63.20	38.60	0.03	55.60	34.80	0.03	47.20	30.80	0.04	37.80	26.60	0.04
		62	57.90	43.50	0.04	50.90	39.70	0.04	43.20	35.70	0.04	34.90	31.70	0.04	27.70	27.70	0.08
	1600	72	100.80	48.90	0.00	92.80	45.10	0.00	83.80	40.90	0.01	73.80	36.40	0.04	62.50	31.70	0.05
		67	84.90	51.70	0.05	76.70	47.40	0.06	67.50	42.90	0.06	57.30	38.10	0.06	45.90	33.20	0.06
		62	70.40	53.90	0.06	62.00	49.30	0.06	52.60	44.60	0.07	42.80	39.90	0.07	35.00	35.00	0.13
	2000	72	114.70	55.70	0.00	105.70	51.60	0.00	95.60	47.00	0.05	84.20	42.00	0.07	71.40	36.70	0.08
		67	97.00	59.50	0.08	87.70	54.90	0.08	77.30	49.90	0.09	65.60	44.60	0.09	52.50	39.00	0.09
		62	80.60	62.80	0.09	71.00	57.70	0.09	60.50	52.50	0.09	49.60	47.20	0.10	41.30	41.30	0.18
60	1600	72	109.20	53.40	0.00	100.00	48.60	0.00	89.90	43.60	0.00	78.60	38.50	0.00	66.40	33.10	0.02
		67	91.50	55.10	0.02	82.10	50.00	0.03	71.90	44.80	0.03	60.70	39.40	0.03	48.40	34.00	0.03
		62	75.40	56.30	0.03	65.90	51.00	0.03	55.60	45.70	0.04	44.80	40.40	0.04	35.30	35.30	0.07
	2000	72	128.00	62.20	0.00	117.20	56.90	0.00	105.20	51.20	0.00	92.00	45.20	0.02	77.50	39.10	0.04
		67	107.40	64.90	0.04	96.40	59.10	0.04	84.30	53.00	0.05	71.10	46.80	0.05	56.60	40.50	0.05
		62	88.60	66.90	0.05	77.50	60.80	0.05	65.30	54.60	0.05	52.70	48.50	0.06	42.40	42.40	0.11
	2400	72	144.20	70.00	0.00	132.10	64.20	0.00	118.50	57.90	0.01	103.60	51.20	0.04	87.20	44.30	0.06
		67	121.20	73.60	0.06	108.80	67.20	0.06	95.10	60.40	0.07	80.10	53.50	0.07	63.70	46.40	0.07
		62	100.10	76.40	0.07	87.50	69.60	0.07	73.80	62.70	0.07	59.80	56.00	0.08	48.90	48.90	0.14

WLAU**4 UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
			30			35			40			45			50		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
61	1600	72	133.10	65.29	0.00	124.38	61.09	0.00	114.12	56.35	0.00	102.04	51.04	0.00	87.92	45.18	0.00
		67	112.92	69.55	0.00	103.56	64.81	0.00	92.62	59.52	0.00	79.80	53.65	0.00	64.92	47.24	0.00
		62	94.29	73.16	0.00	84.32	67.90	0.00	72.85	62.14	0.00	59.93	55.91	0.00	48.98	48.98	0.00
	2000	72	150.19	73.70	0.00	140.73	69.39	0.00	129.45	64.43	0.00	116.13	58.76	0.00	100.38	52.39	0.00
		67	127.98	79.99	0.00	117.77	75.03	0.00	105.67	69.38	0.00	91.36	63.01	0.00	74.55	55.91	0.00
		62	107.36	85.50	0.00	96.47	79.93	0.00	83.81	73.69	0.00	69.74	66.88	0.00	58.70	58.70	0.00
	2400	72	163.45	80.69	0.00	153.55	76.31	0.00	141.65	71.22	0.00	127.40	65.35	0.00	110.42	58.64	0.00
		67	139.86	88.99	0.00	129.06	83.92	0.00	116.15	78.06	0.00	100.72	71.35	0.00	82.51	63.78	0.00
		62	117.85	96.47	0.00	106.33	90.72	0.00	92.96	84.20	0.00	78.33	76.91	0.00	67.38	67.38	0.00

**model size

See notes following this section.

PERFORMANCE DATA

COOLING CAPACITIES (MBH) - R-22 REFRIGERANT

WLAU**2 UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
			30			35			40			45			50		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
18	450	72	29.90	14.50	0.00	27.70	13.40	0.00	25.10	12.30	0.00	22.00	10.90	0.00	18.30	9.30	0.01
		67	25.30	15.40	0.01	22.90	14.20	0.01	20.00	12.80	0.01	16.70	11.20	0.02	12.90	9.60	0.02
		62	20.90	16.00	0.02	18.30	14.70	0.02	15.40	13.20	0.02	12.40	11.80	0.03	10.20	10.20	0.12
	600	72	35.20	17.10	0.00	32.60	15.90	0.00	29.60	14.60	0.02	26.30	13.20	0.02	22.00	11.50	0.03
		67	29.90	18.50	0.03	27.20	17.20	0.03	24.00	15.70	0.03	20.10	14.00	0.03	15.60	12.10	0.03
		62	25.00	19.80	0.04	22.00	18.30	0.04	18.70	16.60	0.04	15.30	14.90	0.05	12.80	12.80	0.16
	750	72	39.20	19.20	0.02	36.30	17.90	0.03	33.00	16.50	0.04	29.30	14.90	0.04	25.00	13.30	0.05
		67	33.30	21.10	0.05	30.40	19.70	0.05	27.00	18.10	0.05	22.80	16.30	0.05	17.80	14.30	0.06
		62	28.00	22.90	0.05	25.00	21.40	0.06	21.40	19.60	0.06	17.90	17.70	0.09	15.20	15.20	0.21
24	600	72	39.50	19.20	0.00	36.70	17.90	0.00	33.60	16.50	0.00	29.90	14.90	0.00	25.60	13.10	0.01
		67	33.50	20.70	0.01	30.70	19.20	0.01	27.40	17.70	0.01	23.30	15.80	0.01	18.50	13.80	0.02
		62	28.10	22.00	0.02	25.00	20.40	0.02	21.50	18.60	0.02	17.60	16.70	0.03	14.60	14.60	0.11
	800	72	45.50	22.30	0.00	42.50	20.90	0.01	38.90	19.40	0.02	34.70	17.70	0.02	30.00	15.80	0.03
		67	38.90	24.60	0.03	35.60	23.00	0.03	31.90	21.30	0.03	27.50	19.40	0.03	22.10	17.20	0.03
		62	32.70	26.70	0.03	29.40	25.10	0.03	25.60	23.20	0.04	21.40	21.10	0.05	18.30	18.30	0.16
	1000	72	49.90	24.70	0.03	46.70	23.40	0.04	42.90	21.80	0.04	38.30	20.00	0.04	33.10	18.00	0.05
		67	42.80	27.80	0.05	39.30	26.20	0.05	35.20	24.40	0.05	30.50	22.40	0.05	24.90	20.20	0.05
		62	36.20	30.80	0.05	32.70	29.10	0.06	28.80	27.20	0.06	24.90	24.90	0.09	21.60	21.60	0.21
30	750	72	49.30	23.90	0.00	45.70	22.20	0.00	41.50	20.20	0.00	36.60	18.10	0.01	30.60	15.60	0.01
		67	41.80	25.50	0.02	38.00	23.50	0.02	33.30	21.30	0.02	27.90	18.80	0.02	21.70	16.20	0.02
		62	34.70	26.70	0.02	30.40	24.50	0.02	25.70	22.10	0.02	20.70	19.70	0.03	17.00	17.00	0.12
	1000	72	57.80	28.10	0.00	53.60	26.20	0.01	48.70	24.00	0.02	43.20	21.70	0.03	36.70	19.10	0.03
		67	49.10	30.50	0.04	44.70	28.40	0.04	39.70	26.00	0.04	33.40	23.30	0.04	26.10	20.20	0.04
		62	41.10	32.60	0.04	36.50	30.30	0.04	31.10	27.70	0.05	25.50	24.90	0.06	21.50	21.50	0.17
	1250	72	64.10	31.40	0.03	59.60	29.40	0.04	54.20	27.10	0.05	48.10	24.60	0.05	41.20	21.90	0.06
		67	54.60	34.60	0.06	49.80	32.40	0.06	44.30	29.90	0.06	37.90	27.10	0.06	29.80	23.80	0.06
		62	45.90	37.70	0.06	41.10	35.30	0.06	35.50	32.60	0.07	29.60	29.60	0.09	25.40	25.40	0.21
36	900	72	54.00	26.20	0.00	50.10	24.40	0.00	45.60	22.40	0.01	40.50	20.20	0.02	34.30	17.60	0.02
		67	45.80	28.20	0.03	41.70	26.20	0.03	37.00	23.90	0.03	31.20	21.30	0.03	24.50	18.50	0.03
		62	38.30	30.00	0.03	33.90	27.70	0.03	28.80	25.20	0.03	23.50	22.50	0.05	19.50	19.50	0.14
	1200	72	62.00	30.30	0.02	57.70	28.40	0.03	52.50	26.20	0.04	46.70	23.80	0.05	40.10	21.10	0.05
		67	52.80	33.30	0.06	48.20	31.10	0.06	42.90	28.70	0.06	36.70	26.00	0.06	29.00	22.80	0.06
		62	44.30	36.10	0.06	39.70	33.80	0.06	34.20	31.10	0.07	28.50	28.20	0.09	24.30	24.30	0.20
	1500	72	68.10	33.60	0.06	63.40	31.70	0.07	57.90	29.40	0.07	51.40	26.80	0.08	44.20	24.00	0.08
		67	58.20	37.60	0.08	53.20	35.40	0.08	47.40	32.80	0.09	40.70	30.00	0.09	32.70	26.70	0.09
		62	49.00	41.40	0.09	44.10	39.00	0.09	38.60	36.30	0.10	33.10	33.10	0.13	28.50	28.50	0.25
42	1050	72	65.80	31.90	0.00	60.70	29.50	0.00	54.90	26.90	0.01	48.30	24.00	0.02	41.10	21.00	0.03
		67	55.50	34.00	0.03	50.20	31.30	0.03	44.30	28.50	0.03	37.60	25.50	0.04	29.40	22.00	0.04
		62	46.10	35.80	0.04	40.70	32.90	0.04	34.70	29.90	0.04	28.00	26.70	0.05	23.10	23.10	0.14
	1400	72	76.30	37.30	0.00	70.60	34.60	0.03	64.00	31.70	0.04	56.30	28.50	0.05	47.70	25.00	0.06
		67	64.70	40.40	0.06	58.70	37.50	0.06	51.70	34.20	0.07	44.00	30.80	0.07	35.00	27.10	0.07
		62	53.90	43.20	0.07	47.70	40.10	0.07	41.10	36.90	0.07	34.20	33.40	0.09	28.90	28.90	0.19
	1750	72	84.60	41.60	0.05	78.50	38.90	0.07	71.30	35.80	0.07	62.80	32.40	0.08	53.10	28.50	0.09
		67	72.00	45.90	0.09	65.40	42.80	0.09	57.80	39.40	0.09	49.00	35.60	0.09	39.60	31.70	0.10
		62	60.20	49.80	0.10	53.50	46.50	0.10	46.40	43.00	0.10	39.40	39.40	0.12	34.00	34.00	0.24
48	1200	72	69.10	33.50	0.00	64.20	31.30	0.00	58.60	28.70	0.01	52.00	25.90	0.02	44.70	22.90	0.03
		67	58.60	36.10	0.03	53.50	33.60	0.03	47.60	30.70	0.03	40.90	27.70	0.04	33.00	24.30	0.04
		62	49.00	38.40	0.04	43.60	35.60	0.04	37.60	32.60	0.04	30.90	29.30	0.05	25.60	25.60	0.13
	1600	72	79.70	39.00	0.01	74.40	36.60	0.03	68.10	33.90	0.04	60.70	30.80	0.05	52.10	27.40	0.05
		67	68.00	42.90	0.06	62.30	40.20	0.06	55.50	37.10	0.06	47.70	33.70	0.06	38.90	30.00	0.06
		62	57.10	46.40	0.06	51.00	43.40	0.06	44.30	40.20	0.07	37.40	36.70	0.08	32.00	32.00	0.18
	2000	72	87.60	43.30	0.05	81.90	40.90	0.06	75.20	38.10	0.07	67.20	34.90	0.07	57.80	31.20	0.08
		67	75.00	48.50	0.08	68.80	45.70	0.08	61.60	42.50	0.09	53.00	38.80	0.09	43.30	34.90	0.09
		62	63.20	53.40	0.09	56.80	50.30	0.09	49.70	46.80	0.10	42.80	42.80	0.13	37.40	37.40	0.24
60	1600	72	93.30	45.30	0.00	86.10	41.80	0.00	77.80	38.00	0.00	68.60	33.90	0.01	58.40	29.60	0.02
		67	78.70	47.90	0.02	71.20	44.00	0.03	62.90	40.00	0.03	53.20	35.60	0.03	41.70	30.60	0.03
		62	65.30	50.10	0.03	57.70	46.00	0.03	48.80	41.60	0.03	39.30	36.90	0.04	32.00	32.00	0.12
	2000	72	106.40	51.70	0.00	98.30	47.90	0.00	89.00	43.70	0.02	78.40	39.10	0.03	66.70	34.30	0.04
		67	90.00	55.40	0.04	81.50	51.20	0.05	71.90	46.60	0.05	61.20	41.80	0.05	48.40	36.40	0.05
		62	74.80	58.60	0.05	66.10	54.10	0.05	56.70	49.50	0.05	46.20	44.30	0.06	38.40	38.40	0.16
	2400	72	117.00	57.10	0.00	108.30	53.10	0.03	98.20	48.60	0.04	86.60	43.70	0.05	73.40	38.50	0.06
		67	99.20	61.90	0.06	90.00	57.40	0.06	79.50	52.50	0.07	67.60	47.30	0.07	54.20	41.70	0.07
		62	82.70	66.20	0.07	73.20	61.40	0.07	63.00	56.40	0.07	52.30	51.00	0.09	44.10	44.10	0.19

** Model size

See notes following this section.

NOTES:

- CFM** — Cubic Ft per Minute
EWB — Entering Wet Bulb (°F)
LWB — Leaving Wet Bulb (°F)
TC — Total Cooling Capacity 1000 Btuh
BF — Bypass Factor
MBH — 1000 Btuh
SHC — Sensible Heat Capacities (1000 Btuh)

NOTES:

- Contact manufacturer for cooling capacities at conditions other than shown in table.
- Formulas:

$$\text{Leaving db} = \text{entering db} - \frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$$

$$\text{Leaving wb} = \text{wb corresponding to enthalpy of air leaving coil (h}_{\text{LWB}})$$

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

Where h_{EWB} = enthalpy of air entering coil
- SHC is based on 80°F db temperature of air entering the evaporator coil.
 Below 80°F db, subtract (Correction Factor x CFM) from SHC.
 Above 80°F db, add (Correction Factor x CFM) to SHC.
- Direct interpolation is permissible. Do not extrapolate.
- Fan motor heat has not been deducted.
- All data points are based on 10°F superheat leaving coil and use of thermostatic expansion valve (TXV) device.
- All units have sweat suction-tube connection and a liquid-tube connection. For 1- 1/8- in. system suction tube, 3/4 x 1- 1/8- in. suction tube connection adapter is available as accessory.
- The WLAU**4 coils can be used in any properly designed system using R- 410A refrigerant.
- The WLAU**2 coils can be used in any properly designed system using R- 22 refrigerant.
- 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.
- Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

BYPASS FACTOR	ENTERING AIR DRY BULB TEMPERATURE (°F)					
	79	78	77	76	75	Under 75
	81	82	83	84	84	Above 85
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 = $1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$

COIL STATIC PRESSURE DROP (IN. WC.) R- 410A AND R- 22 REFRIGERANTS

UNIT SIZE	STANDARD CFM																			
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	
18*A	Dry																			
	0.079	0.111	0.145	0.186	0.232															
	Wet																			
24*A	0.083	0.116	0.151	0.196	0.243															
	Dry																			
	0.065	0.091	0.120	0.154	0.194	0.237	0.284													
24*B	Wet																			
	0.066	0.094	0.124	0.161	0.203	0.250	0.301													
	Dry																			
30*A	0.056	0.076	0.097	0.123	0.151	0.182	0.215													
	Wet																			
	0.060	0.082	0.105	0.132	0.163	0.195	0.231													
30*B	Dry																			
	0.054	0.077	0.102	0.133	0.167	0.206	0.248	0.296	0.347											
	Wet																			
36*A	0.059	0.084	0.111	0.142	0.181	0.223	0.269	0.319	0.375											
	Dry																			
	0.043	0.059	0.077	0.096	0.119	0.144	0.171	0.201	0.232											
36*B	Wet																			
	0.046	0.063	0.083	0.105	0.130	0.157	0.186	0.219	0.252											
	Dry																			
36*C	0.047	0.069	0.093	0.119	0.151	0.187	0.227	0.270	0.317	0.362	0.418									
	Wet																			
	0.053	0.076	0.101	0.129	0.162	0.200	0.241	0.286	0.335	0.388	0.447									
42*A	Dry																			
	0.023	0.036	0.052	0.069	0.089	0.110	0.135	0.160	0.189	0.219	0.251									
	Wet																			
42*B	0.042	0.058	0.076	0.095	0.117	0.142	0.169	0.198	0.231	0.265	0.299									
	Dry																			
	0.026	0.037	0.050	0.062	0.077	0.092	0.109	0.128	0.148	0.170	0.193									
42*C	Wet																			
	0.029	0.040	0.053	0.065	0.082	0.099	0.119	0.138	0.160	0.185	0.209									
	Dry																			
42*D			0.044	0.056	0.068	0.082	0.099	0.119	0.138	0.161	0.183	0.205	0.233							
	Wet																			
			0.058	0.073	0.089	0.106	0.125	0.143	0.165	0.189	0.213	0.239	0.268							
48*A	Dry																			
			0.039	0.049	0.060	0.072	0.085	0.099	0.114	0.130	0.146	0.164	0.182							
	Wet																			
48*B			0.054	0.066	0.079	0.092	0.103	0.125	0.142	0.161	0.182	0.202	0.222							
	Dry																			
			0.065	0.082	0.105	0.128	0.156	0.185	0.216	0.253	0.290	0.331	0.372	0.417	0.464					
48*C	Wet																			
			0.066	0.084	0.106	0.130	0.159	0.188	0.222	0.256	0.296	0.337	0.379	0.425	0.476					
	Dry																			
48*D			0.055	0.072	0.089	0.107	0.128	0.150	0.175	0.199	0.228	0.257	0.288	0.321	0.356					
	Wet																			
			0.058	0.075	0.094	0.115	0.136	0.161	0.188	0.217	0.247	0.279	0.313	0.347	0.386					
60*A	Dry																			
			0.044	0.056	0.069	0.084	0.100	0.118	0.137	0.159	0.180	0.198	0.222	0.247	0.275					
	Wet																			
60*B			0.052	0.065	0.080	0.095	0.112	0.131	0.150	0.171	0.193	0.214	0.241	0.270	0.296					
	Dry																			
			0.075	0.093	0.112	0.133	0.157	0.181	0.206	0.234	0.264	0.294	0.326	0.360	0.396	0.432	0.478			
60*C	Wet																			
			0.077	0.095	0.115	0.137	0.159	0.184	0.209	0.238	0.268	0.300	0.334	0.370	0.407	0.444	0.488			
	Dry																			
60*D			0.111	0.133	0.153	0.163	0.204	0.234	0.262	0.293	0.326	0.366	0.392	0.437	0.480	0.520				
	Wet																			
			0.130	0.150	0.183	0.210	0.245	0.280	0.320	0.355	0.400	0.435	0.480	0.525	0.570	0.630				
60*E	Dry																			
			0.073	0.083	0.095	0.107	0.120	0.136	0.152	0.169	0.184	0.203	0.217	0.238	0.260	0.283	0.307			
	Wet																			
60*F			0.076	0.086	0.098	0.110	0.124	0.140	0.157	0.175	0.193	0.215	0.238	0.261	0.286	0.314	0.342			
	Dry																			
			0.076	0.086	0.098	0.110	0.124	0.140	0.157	0.175	0.193	0.215	0.238	0.261	0.286	0.314	0.342			

*2 = R- 22, 4 = R410A

EVAPORATOR COIL MODEL NUMBER IDENTIFICATION GUIDE								
Digit Position:	1, 2	3	4	5, 6	7	8	9	10
Example Part Number:	WL	A	U	24	2	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								
INSTALLATION TYPE								
18 = 18,000 BTU/hr = 12 TONS 24 = 24,000 BTU/hr = 2 TONS 30 = 30,000 BTU/hr = 22 TONS 36 = 36,000 BTU/hr = 3 TONS 42 = 42,000 BTU/hr = 32 TONS 48 = 48,000 BTU/hr = 4 TONS 60 = 60,000 BTU/hr = 5 TONS 61 = 60,000 BTU/hr = 5 TONS								
NOMINAL COOLING CAPACITY								
2 = R- 22 4 = R- 410A								
REFRIGERANT								
A = 14- 1/2" B = 17- 1/2" C = 21" D = 24- 1/2"								
CABINET WIDTH								
SALES DIGIT								
EXTRA DIGIT								