



EAM4X, EAD4X Product Specifications

EXPANSION VALVE COILS

EAM4X and EAD4X

- 1-1/2 thru 5 Tons
- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- 2-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Removable front access panel
- Easy slide-out coil for inspection
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22 gauge, pre-painted steel cabinet
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection).



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.



EAM4X only

- Two condensate drain connections (Additional two for horizontal installation)
- Multiposition installation – upflow, downflow, or horizontal

EAD4X only

- Vertical installation – upflow or downflow

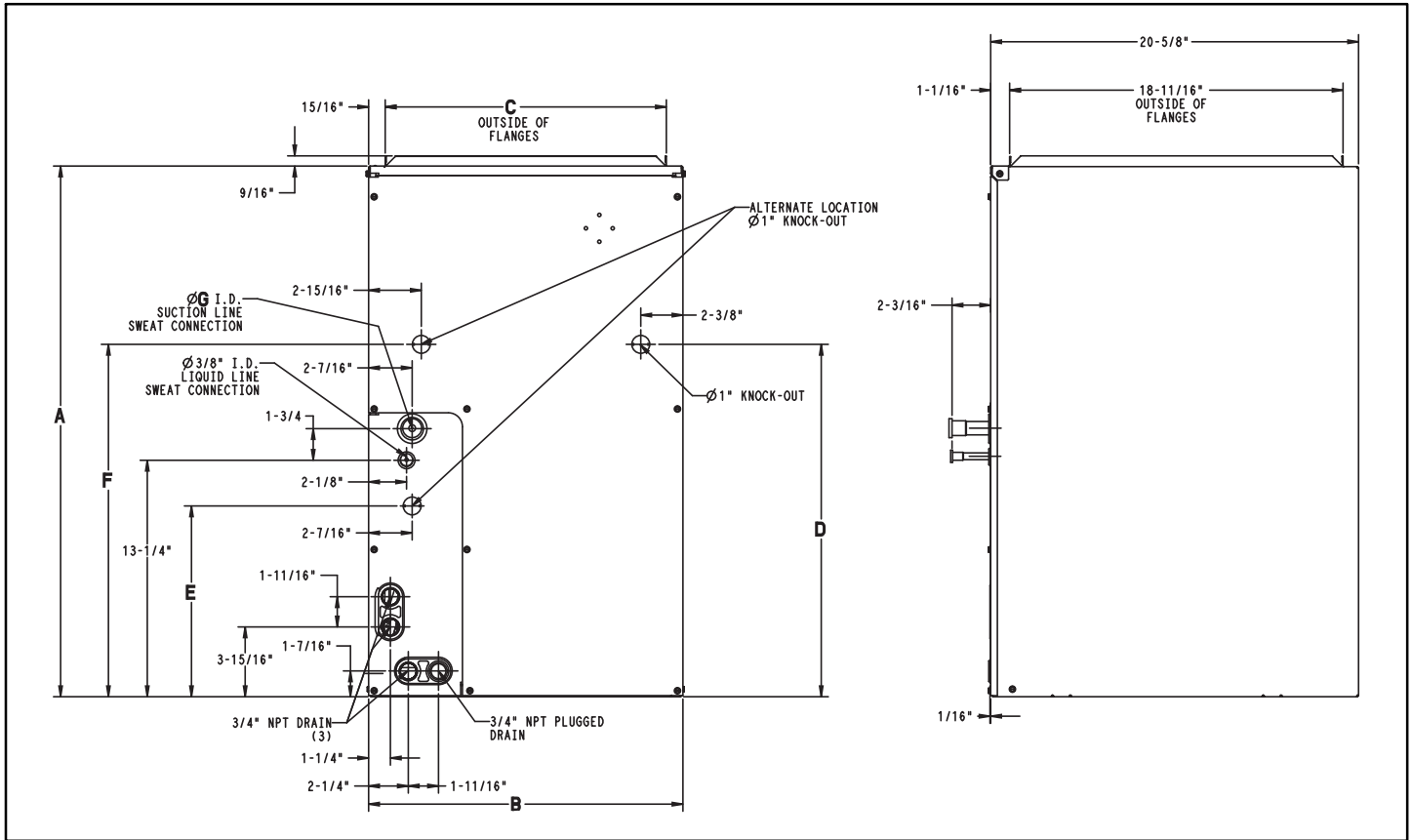
EAM4X and EAD4X WARRANTY*

- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- * For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

PRODUCT SPECIFICATIONS

MODEL NUMBER	TONS	FLUSH FIT TO FURNACE WIDTH inches (mm)	COIL CONNECTION TUBE SIZE inches (mm)		MODEL NUMBER	TONS	FLUSH FIT TO FURNACE WIDTH inches (mm)	COIL CONNECTION TUBE SIZE inches (mm)	
			Liquid	Suction				Liquid	Suction
EAM4X18L14A	1 – 1/2	14 – 3/16 (360)	3/8 (10)	5/8 (16)	EAM4X43L21A	3 – 1/2	21 (533)	3/8 (10)	7/8 (22)
EAM4X19L17A	1 – 1/2	17 – 1/2 (445)	3/8 (10)	3/4 (19)	EAM4X48L17A	4	17 – 1/2 (445)	3/8 (10)	7/8 (22)
EAM4X24L14A	2	14 – 3/16 (360)	3/8 (10)	5/8 (16)	EAM4X48L21A	4	21 (533)	3/8 (10)	7/8 (22)
EAM4X24L17A	2	17 – 1/2 (445)	3/8 (10)	5/8 (16)	EAM4X48L24A	4	24 – 1/2 (622)	3/8 (10)	7/8 (22)
EAM4X25L17A	2	17 – 1/2 (445)	3/8 (10)	3/4 (19)	EAM4X60L21A	5	(533)	3/8 (10)	7/8 (22)
EAM4X30L14A	2 – 1/2	14 – 3/16 (360)	3/8 (10)	3/4 (19)	EAM4X60L24A	5	24 – 1/2 (622)	3/8 (10)	7/8 (22)
EAM4X30L17A	2 – 1/2	17 – 1/2 (445)	3/8 (10)	3/4 (19)	EAM4X61L24A	5	24 – 1/2 (622)	3/8 (10)	7/8 (22)
EAM4X36L14A	3	14 – 3/16 (360)	3/8 (10)	3/4 (19)	EAD4X				
EAM4X36L17A	3	17 – 1/2 (445)	3/8 (10)	3/4 (19)	EAD4X19L17A	1 – 1/2	17 – 1/2 (445)	3/8 (10)	3/4 (19)
EAM4X36L21A	3	21 (533)	3/8 (10)	3/4 (19)	EAD4X25L17A	2	17 – 1/2 (445)	3/8 (10)	3/4 (19)
EAM4X37L17A	3	17 – 1/2 (445)	3/8 (10)	3/4 (19)	EAD4X37L17A	3	17 – 1/2 (445)	3/8 (10)	3/4 (19)
EAM4X37L21A	3	21 (533)	3/8 (10)	7/8 (22)	EAD4X37L21A	3	21 (533)	3/8 (10)	7/8 (22)
EAM4X42L21A	3 – 1/2	21 (533)	3/8 (10)	7/8 (22)	EAD4X43L21A	3 – 1/2	21 (533)	3/8 (10)	7/8 (22)
EAM4X42L24A	3 – 1/2	24 – 1/2 (622)	3/8 (10)	7/8 (22)	EAD4X61L24A	5	24 – 1/2 (622)	3/8 (10)	7/8 (22)

COIL MODEL NUMBER IDENTIFICATION GUIDE										
DIGIT POSITION	1	2	3	4	5	6, 7	8	9, 10	11	12
	E	A	M	4	X	18	L	14	A	1
E = Evaporator										
A = A Coil TYPE										
M = Cased, Multiposition (Upflow/Downflow/Horizontal)										
D = Cased, Vertical (Upflow/Downflow) INSTALLATION										
4 = Environmentally Sound R-410A REFRIGERANT										
X = TXV METERING DEVICE										
18 = 18,000 BTUH = 1-1/2 tons										
19 = 18,000 BTUH = 1-1/2 tons										
24 = 24,000 BTUH = 2 tons										
25 = 24,000 BTUH = 2 tons										
30 = 30,000 BTUH = 2-1/2 tons										
36 = 36,000 BTUH = 3 tons										
37 = 36,000 BTUH = 3 tons										
42 = 42,000 BTUH = 3-1/2 tons										
43 = 42,000 BTUH = 3-1/2 tons										
48 = 48,000 BTUH = 4 tons										
60 = 60,000 BTUH = 5 tons										
61 = 60,000 BTUH = 5 tons NOMINAL CAPACITY										
L = Aluminum HAIRPIN MATERIAL										
14 = 14-3/16"										
17 = 17-1/2"										
21 = 21"										
24 = 24-1/2" WIDTH (matches furnace)										
Sales Digit (Major Revision)										
Engineering Digit (Minor Revision)										



DIMENSIONAL DATA

UNIT	A in.(mm)	B in.(mm)	C in.(mm)	D in.(mm)	E in.(mm)	F in.(mm)	G in.(mm)	SHIPPING WT. lbs (kg)
EAM4X18L14A	25-13/16 (656)	14-3/16 (36)	12-7/16 (316)	17-3/16 (437)	10-11/16 (263)	-	5/8 (16)	50.5 (23)
EAM4X19L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	64.5 (29)
EAM4X24L14A	25-13/16 (656)	14-3/16 (36)	12-7/16 (316)	17-3/16 (437)	10-11/16 (263)	-	5/8 (16)	52.5 (24)
EAM4X24L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	10-11/16 (263)	10-11/16 (263)	-	5/8 (16)	56.5 (26)
EAM4X25L17A	29-3/4 (757)	17-1/2 (445)	15-3/4 (400)	19-3/4 (502)	-	19-3/4 (502)	3/4 (19)	71.0 (32)
EAM4X30L14A	25-13/16 (656)	14-3/16 (36)	12-7/16 (316)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	58.0 (26)
EAM4X30L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	64.5 (29)
EAM4X36L14A	29-3/4 (757)	14-3/16 (36)	12-7/16 (316)	19-3/4 (502)	-	19-3/4 (502)	3/4 (19)	65.0 (29)
EAM4X36L17A	29-3/4 (757)	17-1/2 (445)	15-3/4 (400)	19-3/4 (502)	-	19-3/4 (502)	3/4 (19)	71.0 (32)
EAM4X36L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	3/4 (19)	73.0 (33)
EAM4X37L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	64.5 (29)
EAM4X37L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	84.0 (38)
EAM4X42L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	78.0 (35)
EAM4X42L24A	29-3/4 (757)	24-1/2 (622)	22-3/4 (578)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	82.0 (37)
EAM4X43L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	84.0 (38)
EAM4X48L17A	35 (889)	17-1/2 (445)	15-3/4 (400)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	91.0 (41)
EAM4X48L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	84.0 (38)
EAM4X48L24A	29-3/4 (757)	24-1/2 (622)	22-3/4 (578)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	88.5 (40)
EAM4X60L21A	35 (889)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	96.0 (44)
EAM4X60L24A	35 (889)	24-1/2 (622)	22-3/4 (578)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	101.0 (46)
EAM4X61L24A	35 (889)	24-1/2 (622)	22-3/4 (578)4	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	101.0 (46)
EAD4X19L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	62.0 (28)
EAD4X25L17A	29-3/4 (30)	17-1/2 (445)	15-3/4 (400)	19-3/4 (502)	-	19-3/4 (502)	3/4 (19)	68.5 (31)
EAD4X37L17A	25-13/16 (656)	17-1/2 (445)	15-3/4 (400)	17-3/16 (437)	-	19-3/4 (502)	3/4 (19)	62.0 (28)
EAD4X37L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	81.5 (37)
EAD4X43L21A	29-3/4 (757)	21 (533)	19-1/4 (489)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	81.5 (37)
EAD4X61L24A	35 (889)	24-1/2 (622)	22-3/4 (578)	19-3/4 (502)	-	19-3/4 (502)	7/8 (22)	98.5 (45)

PERFORMANCE DATA

COOLING CAPACITIES (MBH) – R-410A REFRIGERANT

UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
	CFM	EWB	30			35			40			45			50		
			TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
18L14	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
19L17	450	72	33.57	18.66	0.00	31.02	17.08	0.00	28.19	15.44	0.00	25.03	13.74	0.00	21.50	11.99	0.00
		67	28.12	18.76	0.00	25.51	17.13	0.00	22.63	15.44	0.00	19.41	13.70	0.00	15.70	11.85	0.00
		62	23.21	18.82	0.00	20.55	17.14	0.00	17.55	15.38	0.00	14.16	13.53	0.00	10.75	10.75	0.00
	600	72	42.86	23.54	0.00	39.66	21.61	0.00	36.05	19.58	0.00	32.00	17.44	0.00	27.44	15.21	0.00
		67	35.94	23.88	0.00	32.64	21.86	0.00	28.94	19.74	0.00	24.78	17.52	0.00	20.12	15.22	0.00
		62	29.69	24.13	0.00	26.29	22.02	0.00	22.49	19.82	0.00	18.20	17.50	0.00	13.85	13.85	0.00
	750	72	51.17	27.85	0.00	47.40	25.65	0.00	43.14	23.30	0.00	38.30	20.81	0.00	32.83	18.18	0.00
		67	42.99	28.53	0.00	39.08	26.19	0.00	34.67	23.71	0.00	29.68	21.10	0.00	24.05	18.35	0.00
		62	35.55	29.06	0.00	31.51	26.60	0.00	26.96	24.00	0.00	21.89	21.28	0.00	16.92	16.92	0.00
24L14 24L17	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
25L17	600	72	62.57	31.59	0.00	57.94	29.03	0.00	52.74	26.32	0.00	46.87	23.47	0.00	40.26	20.49	0.00
		67	52.49	32.04	0.00	47.71	29.35	0.00	42.35	26.53	0.00	36.33	23.57	0.00	29.57	20.49	0.00
		62	43.37	32.39	0.00	38.45	29.58	0.00	32.95	26.63	0.00	26.73	23.54	0.00	20.26	20.26	0.00
	800	72	78.59	39.22	0.00	72.92	36.20	0.00	66.47	32.95	0.00	59.11	29.48	0.00	50.76	25.80	0.00
		67	66.08	40.30	0.00	60.18	37.08	0.00	53.48	33.63	0.00	45.88	29.97	0.00	37.27	26.11	0.00
		62	54.71	41.16	0.00	48.58	37.74	0.00	41.65	34.10	0.00	33.87	30.28	0.00	26.26	26.26	0.00
	1000	72	92.27	45.67	0.00	85.78	42.35	0.00	78.32	38.73	0.00	69.75	34.80	0.00	59.94	30.58	0.00
		67	77.81	47.56	0.00	70.99	43.94	0.00	63.20	40.04	0.00	54.28	35.83	0.00	44.08	31.34	0.00
		62	64.59	49.11	0.00	57.46	45.22	0.00	49.36	41.05	0.00	40.28	36.63	0.00	31.96	31.96	0.00
30L14 30L17	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
36L14 36L17 36L21	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
37L17	900	72	85.28	42.35	0.00	79.12	39.14	0.00	72.10	35.69	0.00	64.07	31.97	0.00	54.91	28.01	0.00
		67	71.79	43.83	0.00	65.36	40.38	0.00	58.05	36.68	0.00	49.72	32.73	0.00	40.25	28.53	0.00
		62	59.49	45.02	0.00	52.78	41.34	0.00	45.22	37.41	0.00	36.79	33.30	0.00	29.00	29.00	0.00
	1200	72	103.16	50.79	0.00	96.02	47.29	0.00	87.71	43.41	0.00	78.05	39.13	0.00	66.94	34.47	0.00
		67	87.21	53.61	0.00	79.64	49.72	0.00	70.90	45.46	0.00	60.82	40.81	0.00	49.25	35.81	0.00
		62	72.54	55.95	0.00	64.59	51.72	0.00	55.57	47.16	0.00	45.56	42.32	0.00	37.10	37.10	0.00
	1500	72	117.25	57.62	0.00	109.35	53.95	0.00	100.10	49.80	0.00	89.30	45.15	0.00	76.74	40.02	0.00
		67	99.48	61.84	0.00	91.07	57.69	0.00	81.29	53.07	0.00	69.87	47.93	0.00	56.68	42.33	0.00
		62	83.06	65.49	0.00	74.20	60.91	0.00	64.12	55.91	0.00	53.03	50.53	0.00	44.30	44.30	0.00

See Legend and Notes on Page 6.

COOLING CAPACITIES (MBH) – R-410A REFRIGERANT

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
37L21	900	72	85.95	42.71	0.00	79.93	39.56	0.00	73.00	36.12	0.00	65.04	32.41	0.00	55.96	28.45	0.00
		67	72.40	44.18	0.00	66.07	40.77	0.00	58.86	37.09	0.00	50.60	33.15	0.00	41.19	28.96	0.00
		62	60.05	45.37	0.00	53.44	41.72	0.00	45.92	37.80	0.00	37.44	33.65	0.00	29.27	29.27	0.00
	1200	72	104.44	51.43	0.00	97.39	47.95	0.00	89.16	44.08	0.00	79.65	39.82	0.00	68.66	35.19	0.00
		67	88.33	54.23	0.00	80.87	50.38	0.00	72.22	46.13	0.00	62.25	41.51	0.00	50.73	36.50	0.00
		62	73.55	56.59	0.00	65.68	52.38	0.00	56.68	47.81	0.00	46.52	42.91	0.00	37.58	37.58	0.00
	1500	72	119.03	58.46	0.00	111.23	54.81	0.00	102.13	50.71	0.00	91.48	46.10	0.00	79.08	41.02	0.00
		67	101.06	62.72	0.00	92.78	58.61	0.00	83.14	54.04	0.00	71.83	48.94	0.00	58.67	43.32	0.00
		62	84.48	66.42	0.00	75.74	61.89	0.00	65.66	56.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42L21 42L24	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
43L21	1050	72	95.75	47.32	0.00	89.15	43.98	0.00	81.55	40.30	0.00	72.72	36.27	0.00	62.64	31.95	0.00
		67	80.81	49.43	0.00	73.87	45.77	0.00	65.88	41.78	0.00	56.71	37.46	0.00	46.18	32.83	0.00
		62	67.16	51.17	0.00	59.87	47.21	0.00	51.54	42.93	0.00	42.14	38.37	0.00	33.49	33.49	0.00
	1400	72	114.53	56.27	0.00	106.97	52.67	0.00	98.10	48.62	0.00	87.81	44.12	0.00	75.84	39.17	0.00
		67	97.13	60.04	0.00	89.08	55.99	0.00	79.75	51.52	0.00	68.84	46.55	0.00	56.19	41.13	0.00
		62	81.09	63.28	0.00	72.60	58.83	0.00	62.86	53.96	0.00	51.93	48.71	0.00	42.81	42.81	0.00
	1750	72	128.85	63.40	0.00	120.65	59.68	0.00	111.06	55.46	0.00	99.69	50.67	0.00	86.32	45.29	0.00
		67	109.76	68.90	0.00	101.01	64.69	0.00	90.69	59.91	0.00	78.53	54.53	0.00	64.28	48.54	0.00
		62	92.05	73.79	0.00	82.77	69.09	0.00	72.04	63.83	0.00	60.16	58.07	0.00	51.02	51.02	0.00
48L17 48L21 48L24	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
60L21 60L24	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
61L24	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

See Legend and Notes on Page 6.

Legend:

CFM – Cubic Ft. per Minute

EWB – Entering Wet Bulb (°F)

LWB – Leaving Wet Bulb (°F)

TC – Gross Cooling Capacity 1000 Btuh

SHC – Gross Sensible Capacity 1000 Btuh

BF – Bypass Factor

MBH – 1000 Btuh

NOTES:

1. Contact manufacturer for cooling capacities at conditions other than shown in table.

2. Formulas:

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

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 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.

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 superheat leaving coil and use of thermostatic expansion valve (TXV) device.

7. 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.

8. The EAM4X coils can be used in any properly designed system using Refrigerant R–410A.

9. 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.

10. 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.

$$\text{Correction Factor} = 1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$$

PERFORMANCE DATA (CONT.)

COIL STATIC PRESSURE DROP (in. w.c.) R-410A

UNIT SIZE	STANDARD CFM																		
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
18L14	Dry																		
	0.079	0.111	0.145	0.186	0.232														
	Wet																		
19L17	0.083	0.116	0.151	0.196	0.243														
	Dry																		
	0.077	0.099	0.124	0.152	0.182														
24L14	Wet																		
	0.088	0.113	0.137	0.170	0.209														
	Dry																		
24L17	0.065	0.091	0.120	0.154	0.194	0.237	0.284												
	Wet																		
	0.066	0.094	0.124	0.161	0.203	0.250	0.301												
24L17	Dry																		
	0.056	0.076	0.097	0.123	0.151	0.182	0.215												
	Wet																		
25L17	0.060	0.082	0.105	0.132	0.163	0.195	0.231												
	Dry																		
	0.069	0.090	0.111	0.136	0.165	0.193	0.227												
30L14	Wet																		
	0.071	0.090	0.113	0.136	0.164	0.196	0.229												
	Dry																		
30L17	0.054	0.077	0.102	0.133	0.167	0.206	0.248	0.296	0.347										
	Wet																		
	0.059	0.084	0.111	0.142	0.181	0.223	0.269	0.319	0.375										
30L17	Dry																		
	0.043	0.059	0.077	0.096	0.119	0.144	0.171	0.201	0.232										
	Wet																		
36L14	0.046	0.063	0.083	0.105	0.130	0.157	0.186	0.219	0.252										
	Dry																		
	0.047	0.069	0.093	0.119	0.151	0.187	0.227	0.270	0.317	0.362	0.418								
36L17	Wet																		
	0.053	0.076	0.101	0.129	0.162	0.200	0.241	0.286	0.335	0.388	0.447								
	Dry																		
36L21	0.023	0.036	0.052	0.069	0.089	0.110	0.135	0.160	0.189	0.219	0.251								
	Wet																		
	0.042	0.058	0.076	0.095	0.117	0.142	0.169	0.198	0.231	0.265	0.299								
36L21	Dry																		
	0.026	0.037	0.050	0.062	0.077	0.092	0.109	0.128	0.148	0.170	0.193								
	Wet																		
37L17	0.029	0.040	0.053	0.065	0.082	0.099	0.119	0.138	0.160	0.185	0.209								
	Dry																		
	0.077	0.099	0.124	0.152	0.182	0.216	0.253	0.294	0.338										
37L21	Wet																		
	0.088	0.113	0.137	0.170	0.209	0.247	0.287	0.326	0.368										
	Dry																		
42L21			0.059	0.073	0.090	0.111	0.135	0.162	0.191	0.222	0.254								
	Wet																		
			0.073	0.096	0.120	0.147	0.176	0.207	0.240	0.276	0.314								
42L24	Dry																		
			0.044	0.056	0.068	0.082	0.099	0.119	0.138	0.161	0.183	0.205	0.233						
	Wet																		
43L21			0.058	0.073	0.089	0.106	0.125	0.143	0.165	0.189	0.213	0.239	0.268						
	Dry																		
			0.039	0.049	0.060	0.072	0.085	0.099	0.114	0.130	0.146	0.164	0.182						
43L21	Wet																		
			0.054	0.066	0.079	0.092	0.103	0.125	0.142	0.161	0.182	0.202	0.222						
	Dry																		
43L21			0.059	0.073	0.090	0.111	0.135	0.162	0.191	0.222	0.254	0.288	0.323						
	Wet																		
			0.073	0.096	0.120	0.147	0.176	0.207	0.240	0.276	0.314	0.354	0.396						

UNIT SIZE	STANDARD CFM																		
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
48L17	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				
	Wet																		
48L21			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																		
			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				
48L24			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				
	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				
60L21			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
60L24					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																		
					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
61L24					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																		
					0.099	0.113	0.127	0.144	0.162	0.182	0.203	0.227	0.252	0.279	0.307	0.337	0.369	0.403	
	Wet																		
					0.118	0.140	0.163	0.187	0.213	0.239	0.266	0.295	0.325	0.355	0.387	0.420	0.454	0.489	