



END4X, ENW4X, ENA4X

Product Specifications

VERTICAL EVAPORATOR COILS

ALL N COIL MODELS

- 1½ thru 5 Tons
- Available for environmentally sound R-410A systems
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Aluminum hairpin/return-bend/fin “N” coil with the latest high-tech fin design

CASED N COILS

- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet

END4X

- Upflow or downflow installation
- Compact design, shorter than comparable A-coils
- Cabinet widths match flush with ICP 14-3/16”, 17-1/2”, 21” and 24-1/2” gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)

ENW4X

- Upflow or downflow installation
- Drainpan raised 2” (51mm) and block-off plate factory installed — for installing wider coil on narrower furnace

UNCASED N COILS

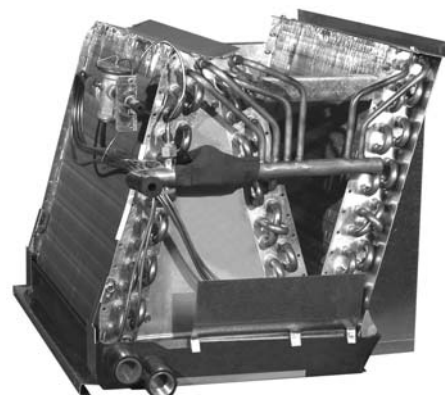
ENA4X

- Upflow or downflow installation

WARRANTY*

- 5 year parts limited warranty
 - With timely registration, an additional 5 year parts limited warranty

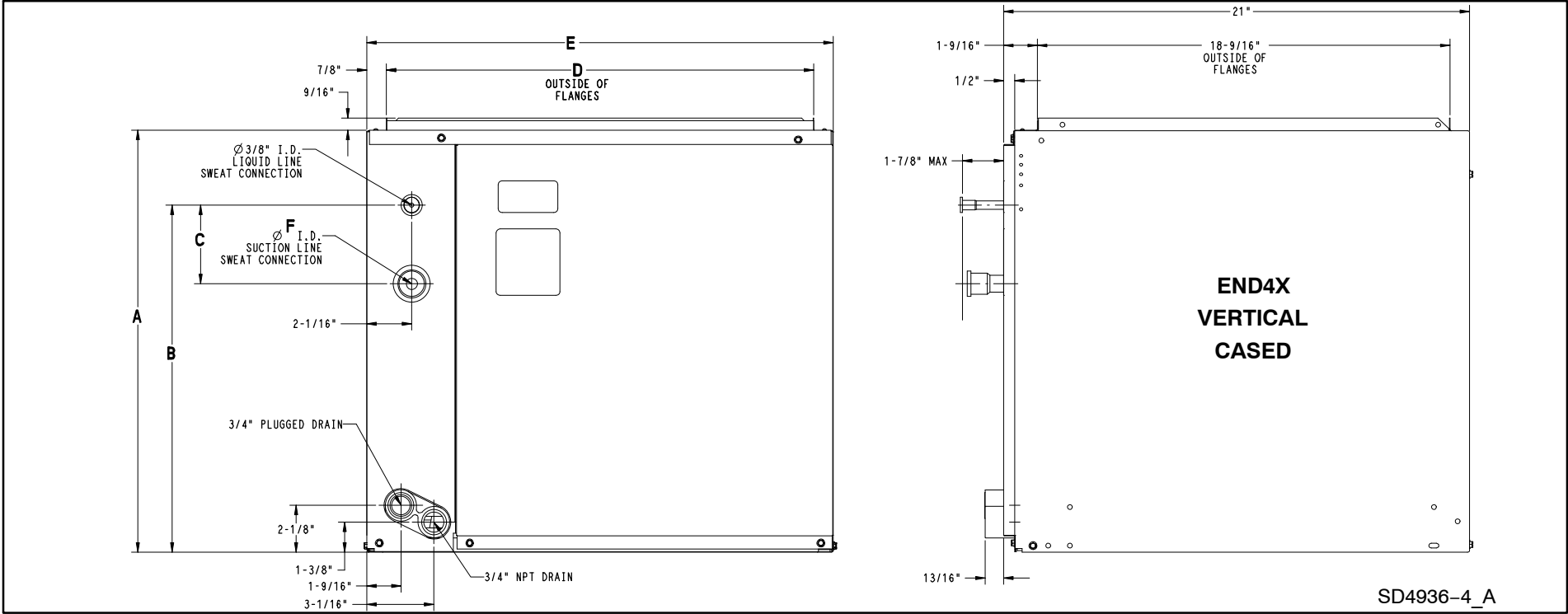
* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



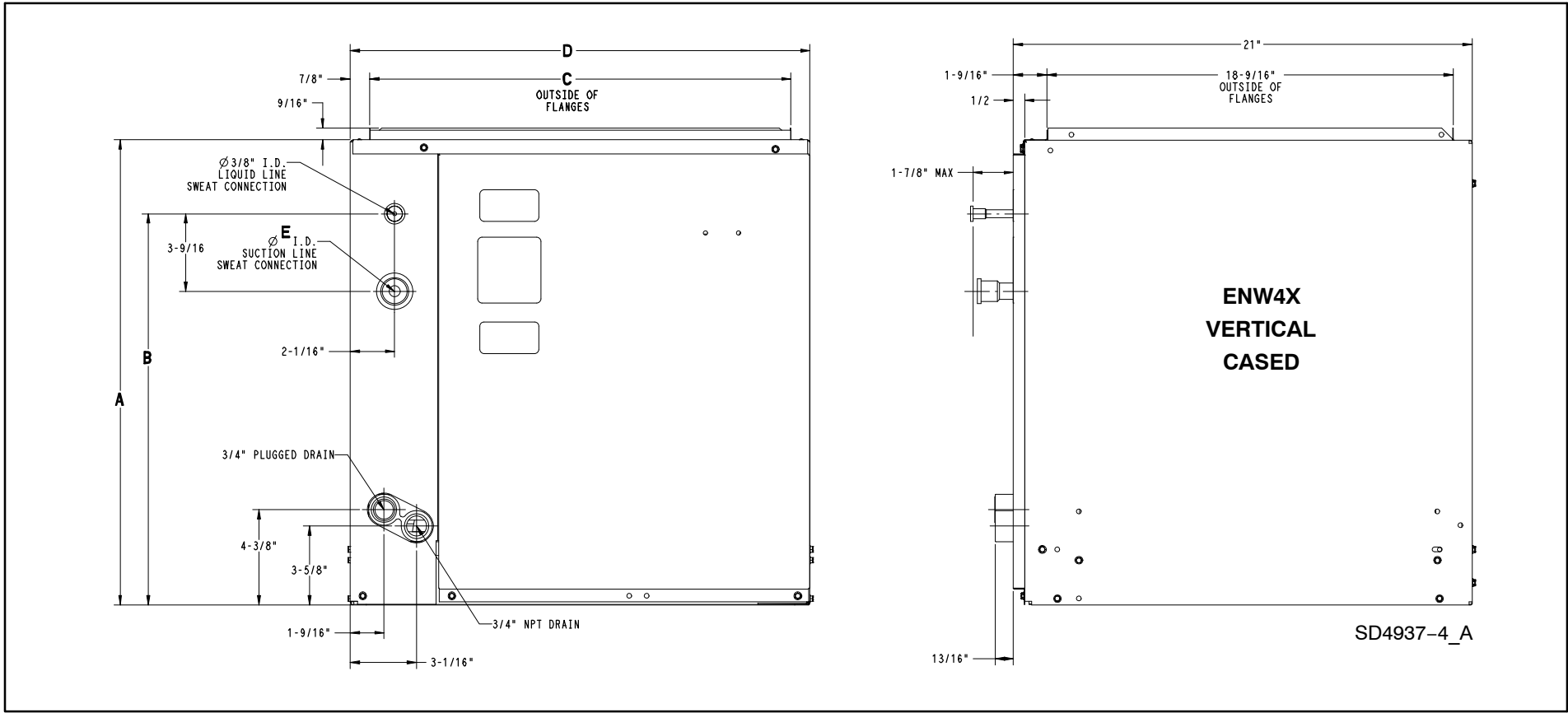
Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



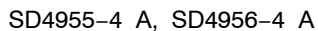
COIL MODEL NUMBER IDENTIFICATION GUIDE										
Digit Position	1	2	3	4	5	6,7	8	9,10	11	12
	E	N	D	4	X	18	L	14	A	1
E = Evaporator		TYPE								
B = Builder										
D = Standard										
N = N Coil										
A = Uncased		INSTALLATION								
D = Cased Upflow/Downflow										
M = Cased Multiposition (Upflow/Downflow/Horizontal)										
W = Cased Upflow/Downflow for narrower furnaces										
H = Cased Horizontal										
4 = Environmentally Sound R-410A		REFRIGERANT	METERING DEVICE							
P = Piston										
X = TXV										
18 = 18,000 BTUH = 1½ tons		NOMINAL CAPACITY								
19 = 18,000 BTUH = 1½ tons										
24 = 24,000 BTUH = 2 tons										
30 = 30,000 BTUH = 2½ tons										
31 = 30,000 BTUH = 2½ tons										
36 = 36,000 BTUH = 3 tons										
37 = 36,000 BTUH = 3 tons										
42 = 42,000 BTUH = 3½ tons										
43 = 42,000 BTUH = 3½ tons										
48 = 48,000 BTUH = 4 tons										
60 = 60,000 BTUH = 5 tons										
61 = 60,000 BTUH = 5 tons										
L = Aluminum		HAIRPIN MATERIAL	WIDTH							
14 = 14-3/16"										
17 = 17-1/2"										
21 = 21"										
24 = 24-1/2"										
Sales Digit (Major Revision)										
Engineering Digit (Minor Revision)										



DIMENSIONAL DATA — END4X								
Model	Size (tons)	Inches – English (MM – SI Metric)						Shipping Weight
		A	B	C	D	E	F	lbs (kg)
END4X18L14	1–1/2	12–5/8 (321)	10–1/16 (256)	5–5/16 (135)	12–1/2 (318)	14–3/16 (360)	5/8 (16)	36 (16)
END4X19L17	1–1/2	17 (432)	13–7/8 (352)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	35 (16)
END4X24L14	2	14–5/8 (372)	12–1/16 (306)	5–5/16 (135)	12–1/2 (318)	14–3/16 (360)	5/8 (16)	40 (18)
END4X24L17	2	14–5/8 (372)	10–1/16 (256)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	5/8 (16)	40 (18)
END4X30L14	2–1/2	17 (432)	13–5/8 (346)	5–5/16 (135)	12–1/2 (318)	14–3/16 (360)	3/4 (19)	47 (21)
END4X30L17	2–1/2	17 (432)	13–7/8 (352)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	47 (21)
END4X31L17	2–1/2	23–1/4 (591)	17–1/2 (445)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	46 (21)
END4X36L17	3	17 (432)	13–7/8 (352)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	49 (22)
END4X36L21	3	17 (432)	13–9/16 (345)	3–9/16 (91)	19–1/4 (489)	21 (533)	3/4 (19)	48 (22)
END4X37L17	3	27–3/16 (691)	17–1/2 (445)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	7/8 (22)	45 (21)
END4X42L17	3–1/2	21–1/8 (537)	13–7/8 (352)	3–9/16 (91)	15–3/4 (400)	17–1/2 (445)	7/8 (22)	52 (24)
END4X42L21	3–1/2	19 (483)	15–5/8 (397)	3–9/16 (91)	19–1/4 (489)	21 (533)	7/8 (22)	57 (26)
END4X43L24	3–1/2	26–5/16 (669)	17–15/16 (456)	3–9/16 (91)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	58 (26)
END4X48L21	4	22–1/16 (560)	17–1/2 (445)	3–9/16 (91)	19–1/4 (489)	21 (533)	7/8 (22)	66 (30)
END4X48L24	4	22–1/16 (560)	17–1/4 (438)	3–9/16 (91)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	62 (28)
END4X60L24	5	26–7/8 (683)	17–15/16 (456)	3–9/16 (91)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	78 (35)
END4X61L24	5	32–7/16 (824)	17–15/16 (456)	3–9/16 (91)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	84 (38)



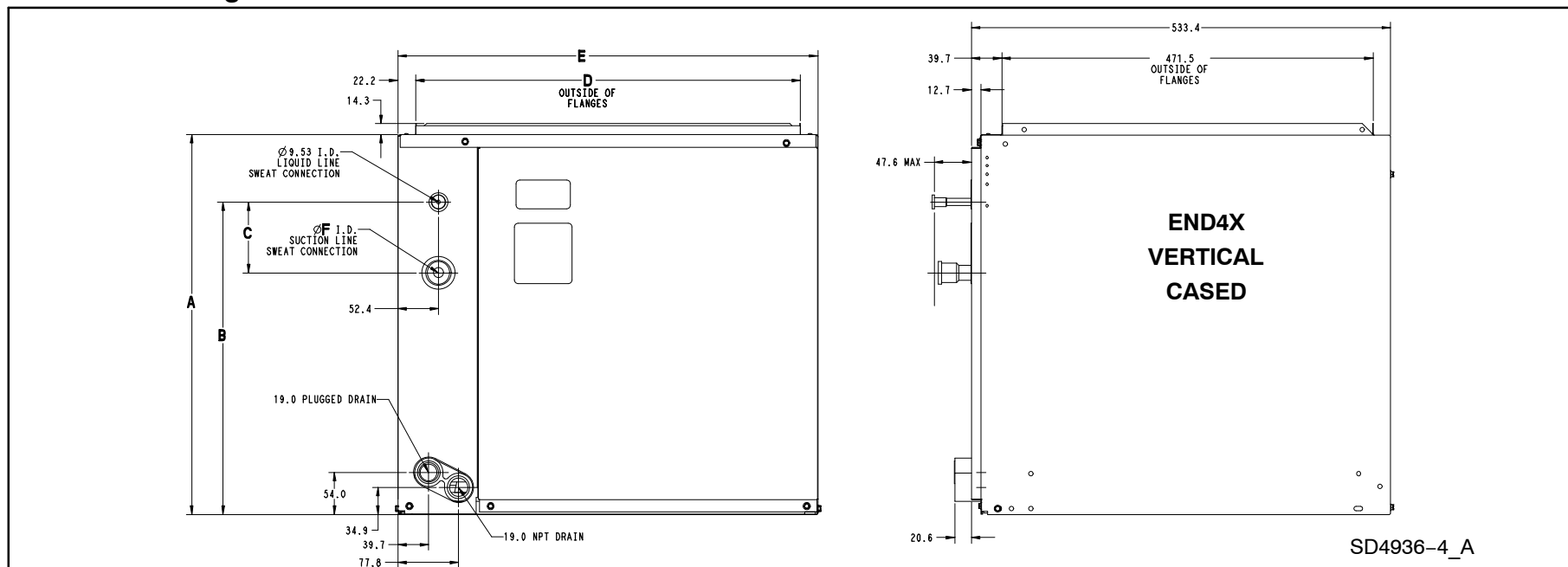
DIMENSIONAL DATA — ENW4X							
Model	Size (tons)	Inches – English (MM – SI Metric)					Shipping Weight lbs (kg)
		A	B	C	D	E	
ENW4X36L17	3	19–13/16 (503)	16–1/8 (410)	15–3/4 (400)	17–1/2 (445)	3/4 (19)	49 (22)
ENW4X42L21	3–1/2	21–13/16 (554)	17–7/8 (454)	19–1/4 (489)	21 (533)	7/8 (22)	62 (28)
ENW4X48L21	4	24–7/8 (632)	19–3/4 (502)	19–1/4 (489)	21 (533)	7/8 (22)	71 (32)
ENW4X60L24	5	29–1/8 (740)	20–3/16 (513)	22–3/4 (578)	24–1/2 (622)	7/8 (22)	78 (35)



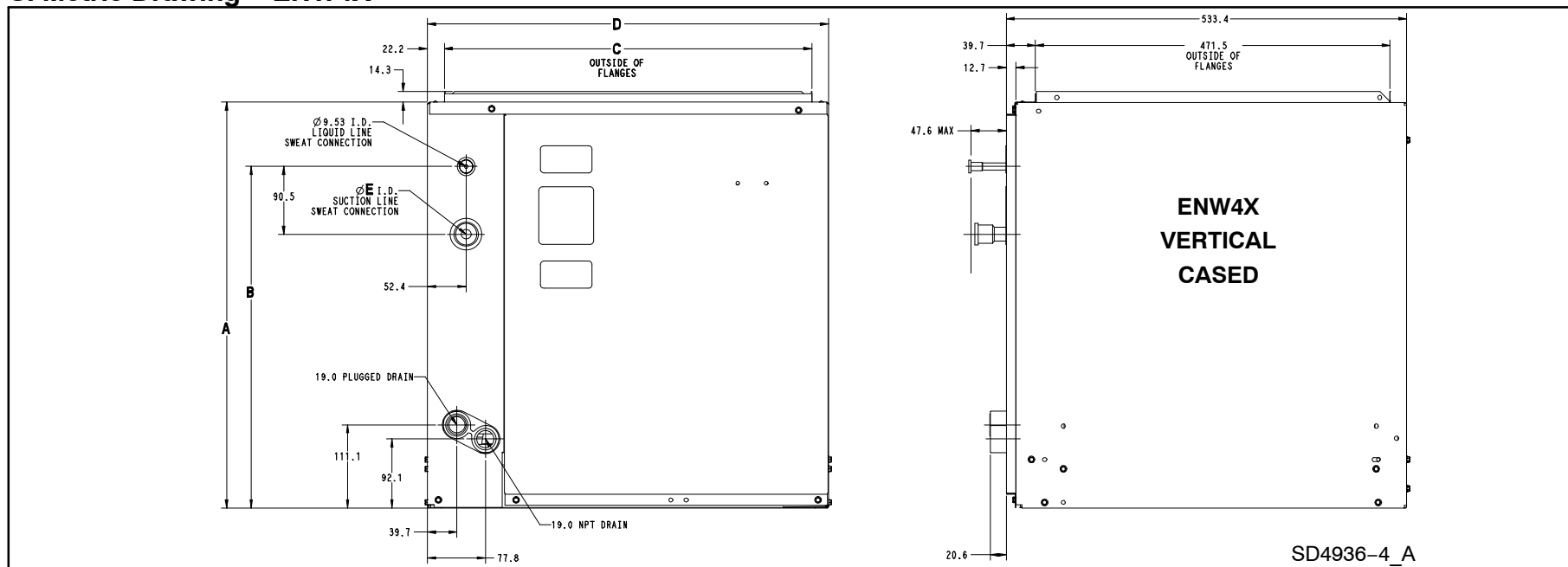
Inches – English (MM – SI Metric)

Model	Size (tons)	Inches – English (MM – SI Metric)							Shipping Weight lbs (kg)
		A	B (Collar Width)	C	D	E	F	G	Aluminum
ENA4X18L14	1–1/2	10–7/8 (276)	12–7/8 (327)	10–5/8 (270)	9–3/8 (238)	5–5/16 (135)	13 (330)	5/8 (16)	17 (8)
ENA4X19L17	1–1/2	14–11/16 (373)	16–1/4 (413)	14–1/2 (369)	13–1/4 (337)	3–9/16 (91)	16–15/16 (429)	3/4 (19)	25 (11)
ENA4X24L14	2	12–7/8 (327)	12–7/8 (327)	12–5/8 (321)	11–7/16 (291)	5–5/16 (135)	15 (381)	5/8 (16)	21 (10)
ENA4X24L17	2	12–11/16 (322)	16–1/4 (413)	10–5/8 (270)	9–3/8 (238)	3–9/16 (91)	13 (330)	5/8 (16)	22 (10)
ENA4X30L14	2–1/2	14–7/8 (378)	12–7/8 (327)	14–3/16 (360)	13 (330)	5–5/16 (135)	16–9/16 (421)	3/4 (19)	23 (10)
ENA4X30L17	2–1/2	14–11/16 (373)	16–1/4 (413)	14–7/16 (367)	13–1/4 (337)	3–9/16 (91)	16–13/16 (427)	3/4 (19)	24 (11)
ENA4X31L17	2–1/2	20–3/4 (527)	16–1/4 (413)	18–1/16 (459)	16–13/16 (427)	3–9/16 (91)	20–7/16 (519)	3/4 (19)	31 (14)
ENA4X36L17	3	14–11/16 (373)	16–1/4 (413)	14–7/16 (367)	13–1/4 (337)	3–9/16 (91)	16–13/16 (427)	3/4 (19)	26 (12)
ENA4X36L21	3	14–7/16 (367)	19–5/8 (499)	14–7/16 (367)	12–15/16 (329)	3–9/16 (91)	16–5/8 (422)	3/4 (19)	27 (12)
ENA4X36L17	3	24–3/4 (629)	16–1/4 (413)	18–1/16 (459)	16–13/16 (427)	3–9/16 (91)	20–7/16 (519)	7/8 (22)	33 (14)
ENA4X42L21	3–1/2	16–1/2 (419)	19–5/8 (499)	16–3/16 (411)	15 (381)	3–9/16 (91)	18–9/16 (472)	7/8 (22)	29 (13)
ENA4X43L24	3–1/2	24–3/8 (619)	23–1/8 (587)	18–9/16 (472)	17–5/16 (440)	3–9/16 (91)	20–15/16 (532)	7/8 (22)	36 (16)
ENA4X48L21	4	20–9/16 (522)	19–5/8 (499)	18–1/16 (459)	16–7/8 (429)	3–9/16 (91)	20–7/16 (519)	7/8 (22)	33 (15)
ENA4X48L24	4	20–5/16 (516)	23–1/8 (587)	17–7/8 (454)	16–5/8 (422)	3–9/16 (91)	20–1/4 (514)	7/8 (22)	34 (15)
ENA4X60L24	5	24–3/8 (619)	23–1/8 (587)	18–1/2 (470)	17–5/16 (440)	3–9/16 (91)	20–7/8 (530)	7/8 (22)	35 (16)
ENA4X61L24	5	30–1/2 (774)	23–1/8 (587)	18–9/16 (472)	17–5/16 (440)	3–9/16 (91)	20–15/16 (532)	7/8 (22)	40 (18)

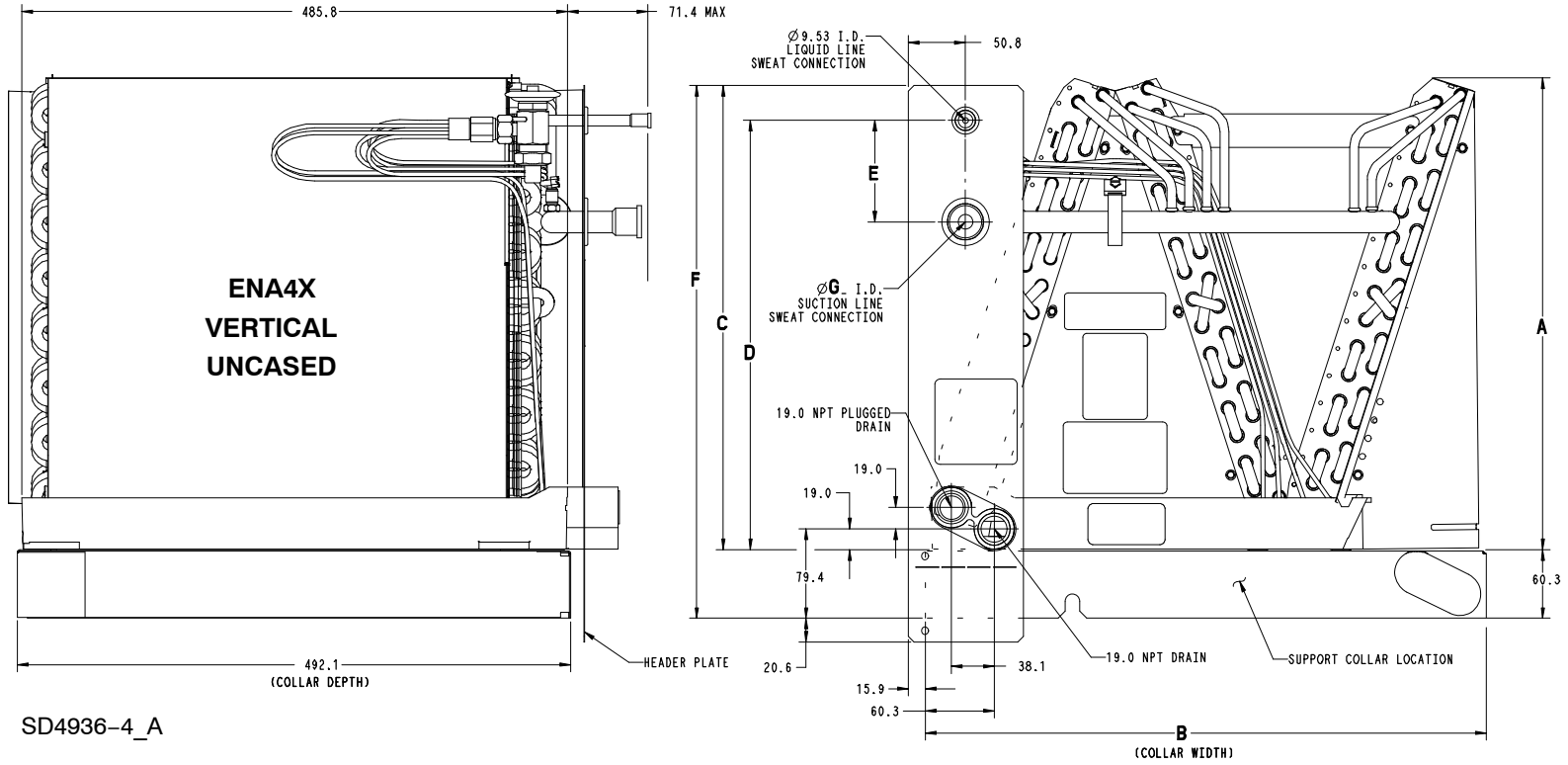
SI Metric Drawing – END4X



SI Metric Drawing – ENW4X



SI Metric Drawing – ENA4X



PHYSICAL DATA

END4X	Model Size											
	18L14	19L17	24L(14,17)	30L(14,17)	31L17	36L(17,21)	37L17	42L(17,21)	43L24	48L(21,24)	60L24	61L24
Nominal Acceptable CFM Range												
CFM (L/s) – min CFM (L/s) – max	525 (248) 625 (295)		700 (330) 900 (425)	875 (413) 1125 (531)		1050 (496) 1350 (637)		1225 (578) 1600 (755)		1400 (661) 1800 (849)	1750 (826) 2000 (944)	
Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin)												
Face Area ft² (m²)	3.34 (0.31)	4.68 (0.43)	4.01 (0.37)	4.68 (0.43)	6.68 (0.62)	4.68 (0.43)	8.02 (0.75)	5.35 (0.50)	8.02 (0.75)	6.68 (0.62)	8.02 (0.75)	10.03 (0.93)
Each Slab H x L in. (mm)	10 x 16 (254 x 406)	14 x 16 (355 x 406)	12 x 16 (305 x 406)	12 x 16 (305 x 406)	20 x 16 (508 x 406)	14 x 16 (355 x 406)	24 x 16 (610 x 406)	16 x 16 (406 x 406)	24 x 16 (610 x 406)	20 x 16 (508 x 406)	24 x 16 (610 x 406)	30 x 16 (762 x 406)
Fins Per Inch	17	16	16	16	16	16	17	16	17	16	17	
Refrigerant Line Connections (sweat)												
Liquid in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Suction in. (mm)	5/8 (16)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)

PHYSICAL DATA

ENW4X	Model Size			
	36L17	42L21	48L21	60L24
Nominal Acceptable CFM Range				
CFM (L/s) – min	1050 (496)	1225 (578)	1400 (661)	1750 (826)
CFM (L/s) – max	1350 (637)	1600 (755)	1800 (849)	2000 (944)
Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin)				
Face Area ft² (m²)	4.68 (0.43)	5.35 (0.50)	6.68 (0.62)	8.02 (0.75)
Each Slab	14 x 16	16 x 16	20 x 16	24 x 16
H x L in. (mm)	(355 x 406)	(406 x 406)	(508 x 406)	(610 x 406)
Fins Per Inch	16	16	16	17
Refrigerant Line Connections (sweat)				
Liquid in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Suction in. (mm)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)

PHYSICAL DATA

ENA4X	Model Size											
	18L14	19L17	24L(14,17)	30L(14,17)	31L17	36L(17,21)	37L17	42L21	43L24	48L(21,24)	60L24	61L24
Nominal Acceptable CFM Range												
CFM (L/s) – min	525 (248)		700 (330)	875 (413)		1050 (496)		1225 (578)		1400 (661)	1750 (826)	
CFM (L/s) – max	625 (295)		900 (425)	1125 (531)		1350 (637)		1600 (755)		1800 (849)	2000 (944)	
Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin)												
Face Area ft² (m²)	3.34 (0.31)	4.68 (0.43)	4.01 (0.37)	4.68 (0.43)	6.68 (0.62)	4.68 (0.43)	8.02 (0.75)	5.35 (0.50)	8.02 (0.75)	6.68 (0.62)	8.02 (0.75)	10.03 (0.93)
Each Slab H x L in. (mm)	10 x 16 (254 x 406)	14 x 16 (355 x 406)	12 x 16 (305 x 406)	12 x 16 (305 x 406)	14 x 16 (356 x 406)	14 x 16 (355 x 406)	24 x 16 (610 x 406)	16 x 16 (406 x 406)	24 x 16 (610 x 406)	20 x 16 (508 x 406)	24 x 16 (610 x 406)	30 x 16 (762 x 406)
Fins Per Inch	17	16	16	16	16	16	17	16	17	16	17	
Refrigerant Line Connections (sweat)												
Liquid in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Suction in. (mm)	5/8 (16)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)

Vertical Evaporator Coils: END4X, ENW4X, ENA4X

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COOLING CAPACITIES (MBH)																	
UNIT SIZE	INDOOR COIL		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
	AIR		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
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

— Continued on next page —

Legend:

CFM – Cubic Ft

COOLING CAPACITIES (MBH) (cont)																	
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
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

Legend:

CFM – Cubic Ft. per Minute

SHC – Gross Sensible Capacity 1000 Btuh

See notes following.

EWB – Entering Wet Bulb

BF – Bypass Factor

LWB – Leaving Wet Bulb

MBH – 1000 Btuh

TC – Gross Cooling Capacity 1000 Btuh

NOTES:

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

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

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

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

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 END4X, ENW4X, and ENA4X 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 = $1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$