



VERTICAL EVAPORATOR COILS

ALL N COIL MODELS

- 1½ thru 5 Tons
- Available for environmentally sound R-410A systems
- Copper tube / aluminum fin "N" coil with latest high-tech fin design
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection
- Two condensate drain connections

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

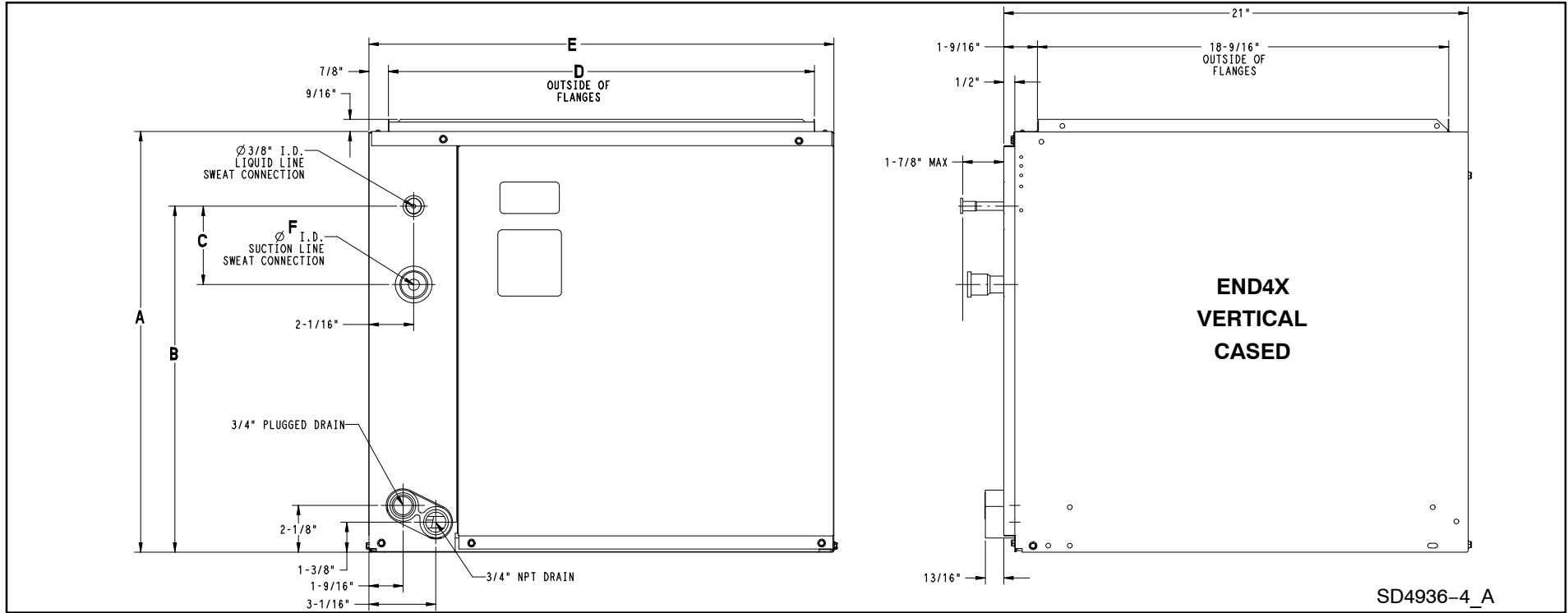
* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



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	C	14	A	1
E = Evaporator										
B = Builder										
D = Standard										
N = N Coil										
		TYPE								
A = Uncased										
D = Cased Upflow/Downflow										
M = Cased Multiposition (Upflow/Downflow/Horizontal)										
W = Cased Upflow/Downflow for narrower furnaces										
H = Cased Horizontal										
		INSTALLATION								
4 = Environmentally Sound R-410A										
										REFRIGERANT
P = Piston										
X = TXV										
										METERING DEVICE
18 = 18,000 BTUH = 1½ tons										
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										
										NOMINAL CAPACITY
C = Plain Copper										
T = Tin Coated Copper										
										HAIRPIN MATERIAL
14 = 14-3/16"										
17 = 17-1/2"										
21 = 21"										
24 = 24-1/2"										
										WIDTH
Sales Digit (Major Revision)										
Engineering Digit (Minor Revision)										

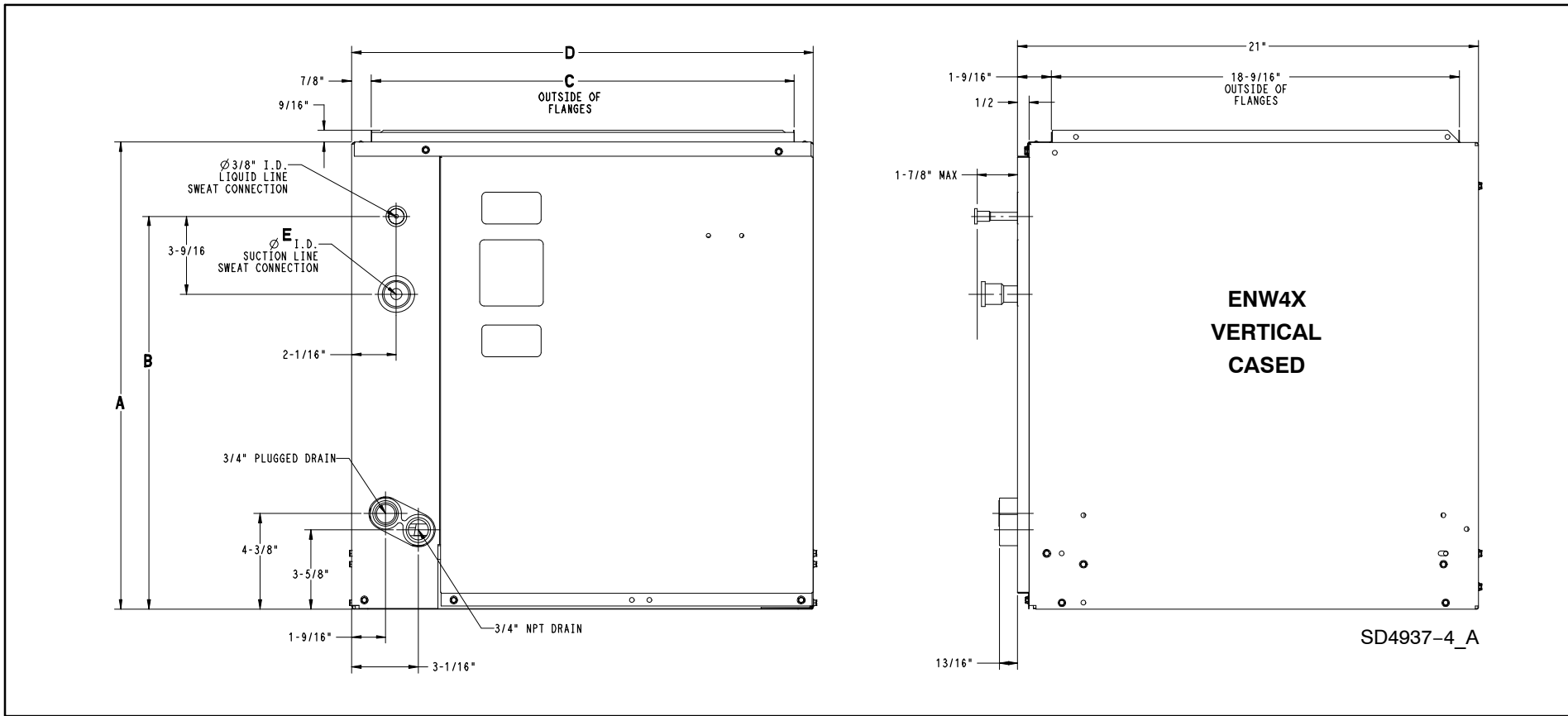


DIMENSIONAL DATA — END4X

Model	Size (tons)	Inches – English (MM – SI Metric)						Shipping Weight lbs (kg)	
		A	B	C	D	E	F	C model*	T model*
END4X18*14	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)	39 (18)
END4X19*17	1-1/2	17 (432)	13-7/8 (352)	3-9/16 (91)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	36 (16)	39 (18)
END4X24*14	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)	40 (18)
END4X24*17	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)	43 (19)
END4X30*14	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)	50 (22)
END4X30*17	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)	50 (22)
END4X31*17	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)	50 (22)
END4X36*17	3	17 (432)	13-7/8 (352)	3-9/16 (91)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	49 (22)	51 (23)
END4X36*21	3	17 (432)	13-9/16 (345)	3-9/16 (91)	19-1/4 (489)	21 (533)	3/4 (19)	48 (22)	51 (23)
END4X37*17	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)	52 (24)
END4X42*17	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)	55 (25)
END4X42*21	3-1/2	19 (483)	15-5/8 (397)	3-9/16 (91)	19-1/4 (489)	21 (533)	7/8 (22)	57 (26)	60 (27)
END4X43*24	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)	60 (27)
END4X48*21	4	22-1/16 (560)	17-1/2 (445)	3-9/16 (91)	19-1/4 (489)	21 (533)	7/8 (22)	66 (30)	69 (31)
END4X48*24	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)	65 (30)
END4X60*24	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)	81 (37)
END4X61*24	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)	87 (39)

* C= Plain Copper, T= Tin Coated Copper

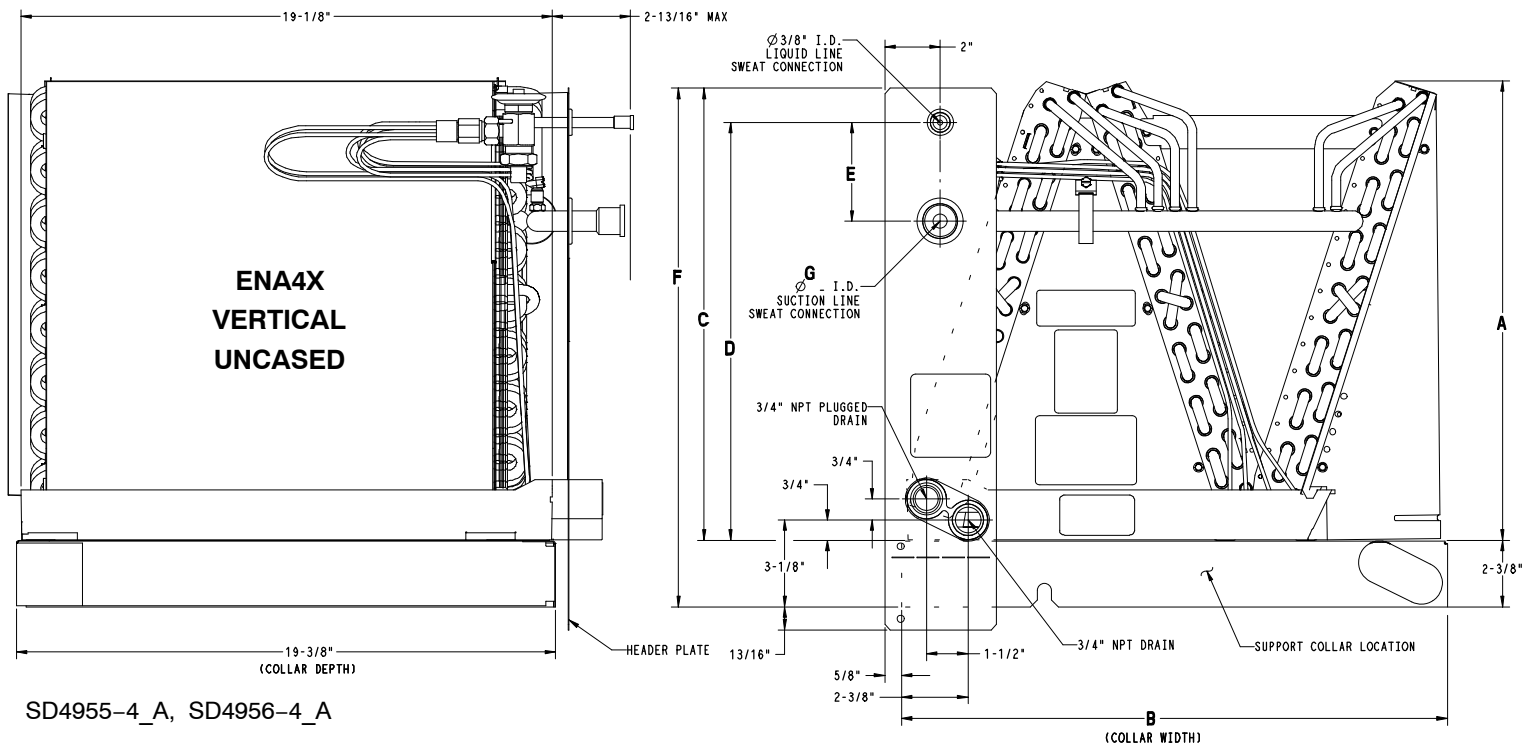
Specifications subject to change without notice.



DIMENSIONAL DATA — ENW4X

Model	Size (tons)	Inches – English (MM – SI Metric)					Shipping Weight lbs (kg)	
		A	B	C	D	E	C model*	T model*
ENW4X36*17	3	19-13/16 (503)	16-1/8 (410)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	49 (22)	51 (23)
ENW4X42*21	3-1/2	21-13/16 (554)	17-7/8 (454)	19-1/4 (489)	21 (533)	7/8 (22)	62 (28)	65 (29)
ENW4X48*21	4	24-7/8 (632)	19-3/4 (502)	19-1/4 (489)	21 (533)	7/8 (22)	71 (32)	74 (33)
ENW4X60*24	5	29-1/8 (740)	20-3/16 (513)	22-3/4 (578)	24-1/2 (622)	7/8 (22)	78 (35)	81 (37)

* C= Plain Copper, T= Tin Coated Copper

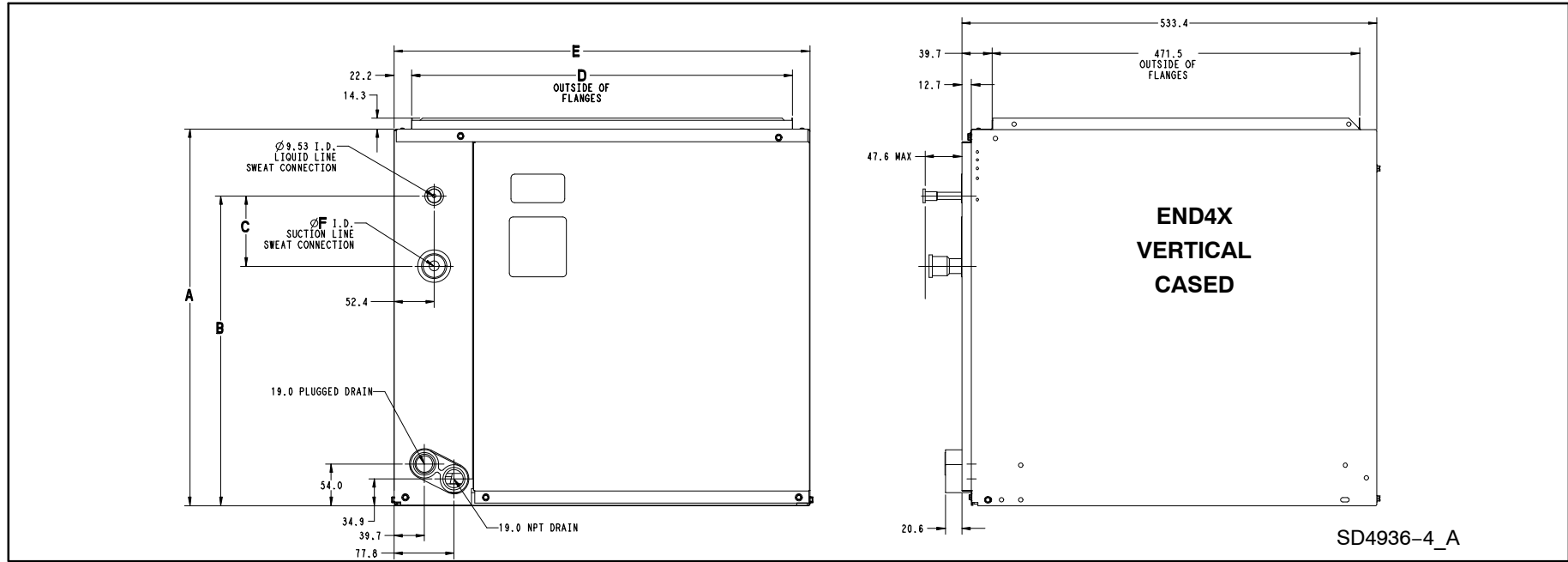


DIMENSIONAL DATA — ENA4X

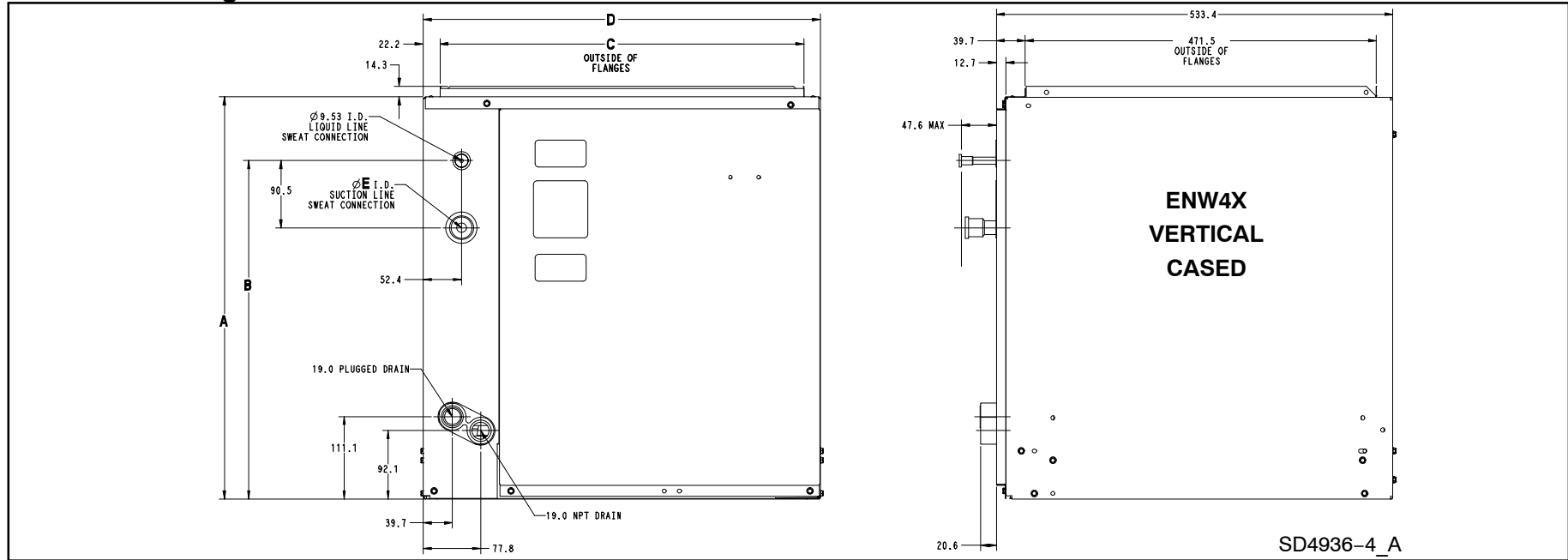
Model	Size (tons)	Inches – English (MM – SI Metric)							Shipping Weight lbs (kg)	
		A	B (Collar Width)	C	D	E	F	G	C model*	T model*
ENA4X18*14	1-1/2	10-7/8 (276)	12-7/8 (327)	10-5/8 (270)	9-3/8 (238)	5-5/16 (135)	13 (330)	5/8 (16)	17 (8)	20 (9)
ENA4X19*17	1-1/2	14-11/16 (373)	16-1/4 (413)	14-1/2 (369)	13-1/4 (337)	3-9/16 (91)	16-15/16 (429)	3/4 (19)	34 (16)	34 (16)
ENA4X24*14	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)	24 (11)
ENA4X24*17	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)	25 (11)
ENA4X30*14	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)	26 (12)
ENA4X30*17	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)	27 (12)
ENA4X31*17	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)	43 (20)	43 (20)
ENA4X36*17	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)	29 (13)
ENA4X36*21	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)	30 (13)
ENA4X37*17	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)	51 (23)	51 (23)
ENA4X42*21	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)	32 (14)
ENA4X43*24	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)	57 (26)	57 (26)
ENA4X48*21	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)	36 (16)
ENA4X48*24	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)	37 (16)
ENA4X60*24	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)	38 (17)
ENA4X61*24	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)	66 (30)	66 (30)

* C= Plain Copper, T= Tin Coated Copper

SI Metric Drawing – END4X



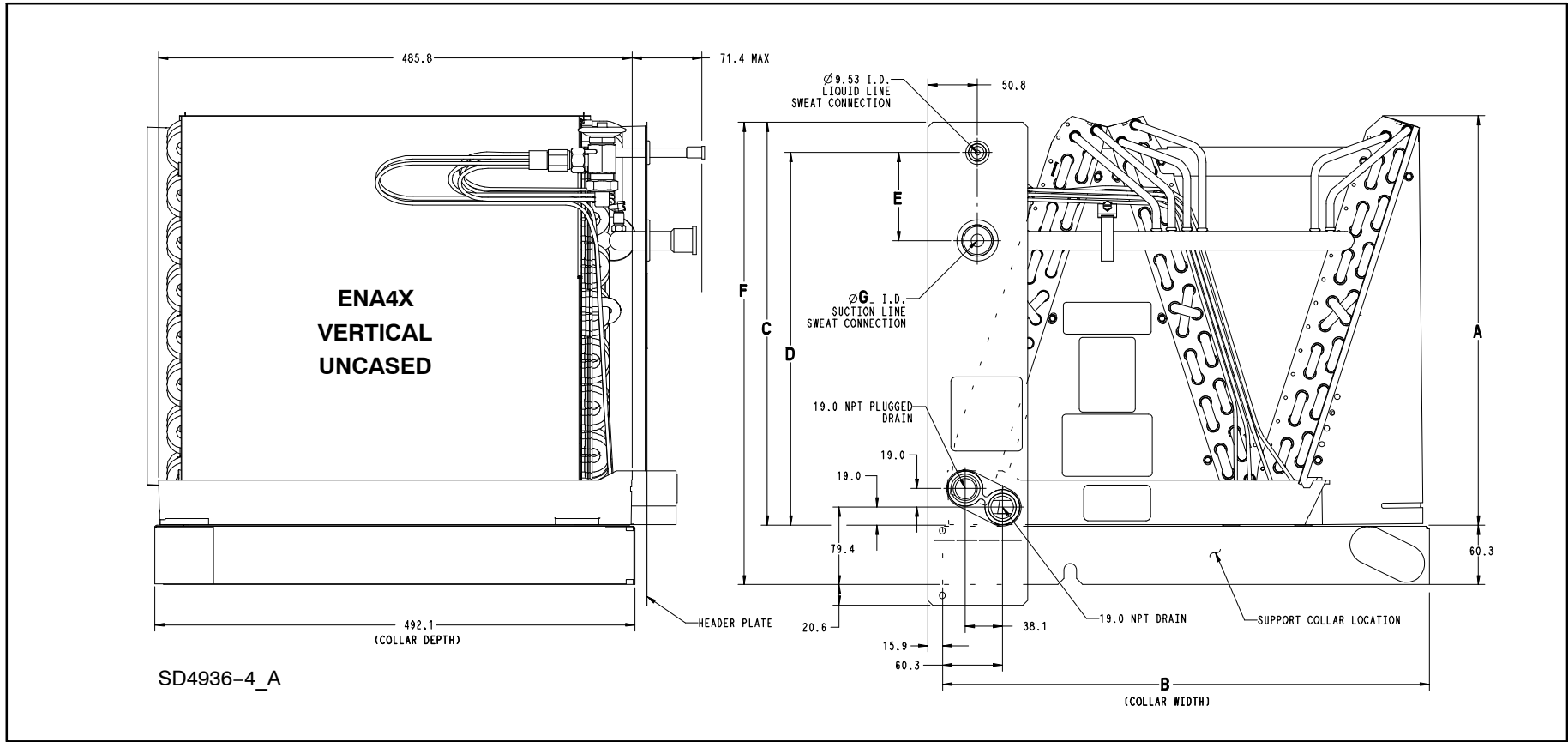
SI Metric Drawing – ENW4X



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SI Metric Drawing - ENA4X



PHYSICAL DATA

END4X	Model Size											
	18*14	19*17	24*(14,17)	30*(14,17)	31*17	36*(17,21)	37*17	42*(17,21)	43*24	48*(21,24)	60*24	61*24
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 ft ² (m ²)	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								
	36*17		42*21		48*21		60*24		
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 ft ² (m ²)	4.68 (0.43)				5.35 (0.50)		6.68 (0.62)		8.02 (0.75)
Each Slab H x L in. (mm)	14 x 16 (355 x 406)				16 x 16 (406 x 406)		20 x 16 (508 x 406)		24 x 16 (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											
	18*14	19*17	24*(14,17)	30*(14,17)	31*17	36*(17,21)	37*17	42*21	43*24	48*(21,24)	60*24	61*24
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 ft ² (m ²)	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)

COIL STATIC PRESSURE DROP (in. w.c.)																											
UNIT SIZE	Standard CFM																										
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200								
18*14	Dry																										
	0.078	0.114	0.156	0.198	0.253																						
	Wet																										
19*17	0.096	0.138	0.183	0.213	0.277																						
	Dry																										
	0.042	0.060	0.080	0.102	0.128																						
24*14	Wet																										
	0.055	0.076	0.104	0.127	0.158																						
	Dry																										
24*17	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																				
30*14	Dry																										
	0.048	0.068	0.090	0.112	0.140	0.170	0.203																				
	Wet																										
30*17	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																		
31*17	Wet																										
	0.078	0.114	0.160	0.206	0.260	0.321	0.388	0.461	0.540																		
	Dry																										
36*17	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																		
36*21	Dry																										
	0.031	0.046	0.063	0.083	0.105	0.130	0.156	0.193	0.230																		
	Wet																										
36*24	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																
37*17	Wet																										
	0.056	0.079	0.107	0.133	0.166	0.200	0.236	0.276	0.315	0.361	0.413																
	Dry																										
42*17	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																
42*21	Dry																										
	0.025	0.038	0.054	0.072	0.093	0.117	0.143	0.171	0.205	0.233	0.273																
	Wet																										
42*24	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														
43*24	Wet																										
			0.079	0.102	0.130	0.159	0.192	0.228	0.26	0.303	0.348	0.396	0.446														
	Dry																										
48*21	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														
48*24	Dry																										
			0.053	0.062	0.073	0.084	0.097	0.111	0.126	0.138	0.154	0.172	0.190	0.210													
	Wet																										
60*24			0.067	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												
61*24	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																										
61*24			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												
61*24	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	0.293								
	Wet																										
61*24					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	0.366								
	Dry																										
											0.130	0.140	0.160	0.180	0.200	0.220	0.240	0.270	0.290								
61*24	Wet																										
											0.150	0.170	0.190	0.210	0.230	0.260	0.290	0.310	0.340								
	Dry																										

* C= Plain Copper, T= Tin Coated Copper

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 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:

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

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

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

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