

COILS for MANUFACTURED HOUSING ENVIRONMENTALLY SOUND R-410A SYSTEMS

2, 3, and 4 TONS

FEATURES

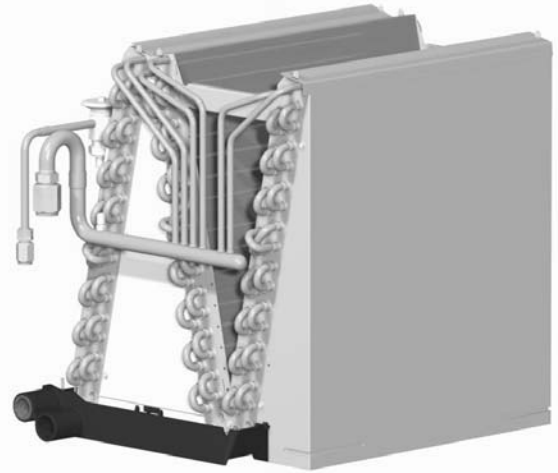
- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Copper tube / aluminum fin coil with latest high tech fin design
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped with condensate drain hose and trap
- Shipped with fittings and adapter plates

AVAILABLE WITH TIN COATED COPPER TUBING

- Model numbers ending in “AT” have industry exclusive tin coated copper main tubing for additional corrosion protection

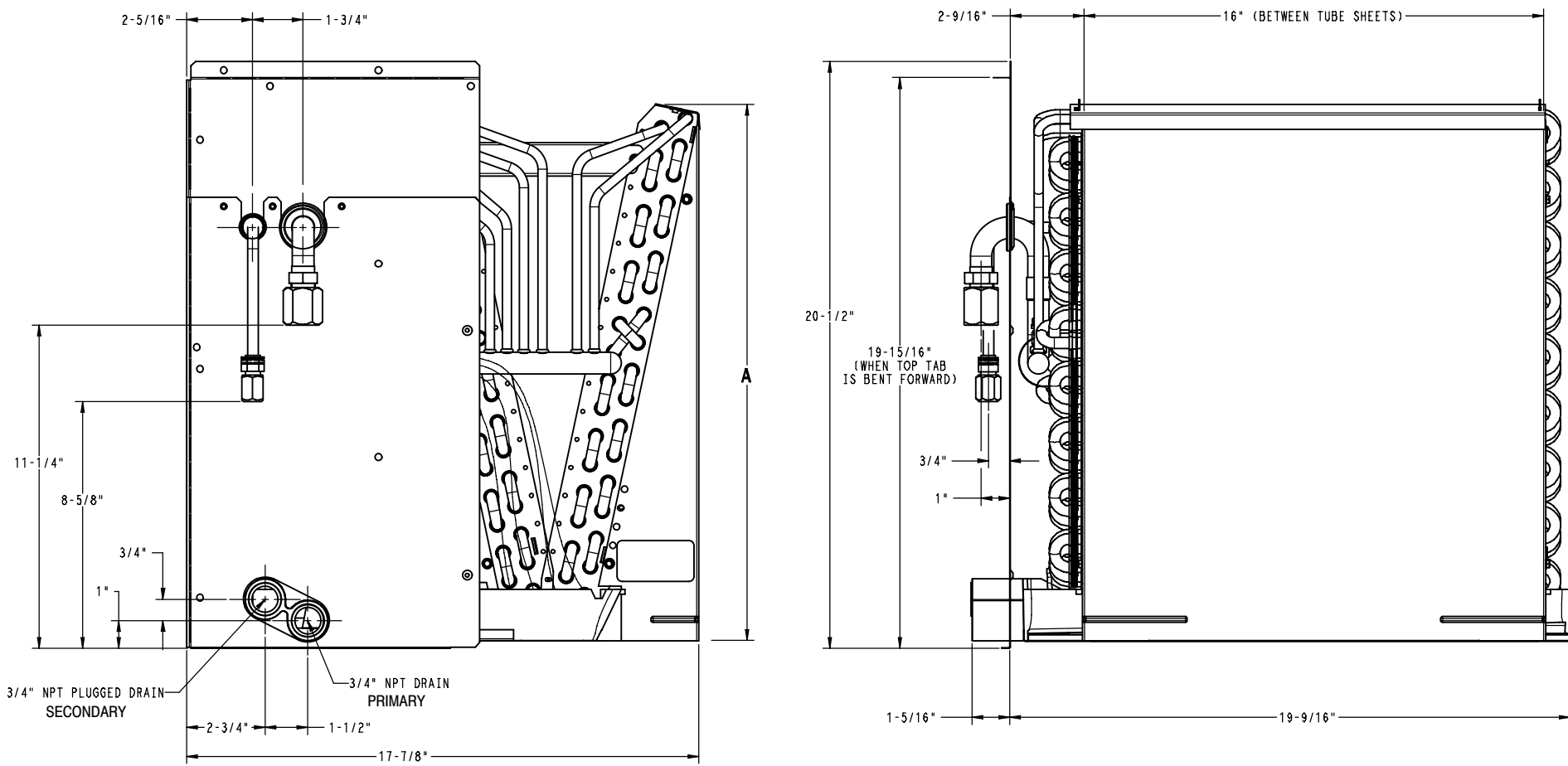
WARRANTY*

- 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.



Rated in accordance with ARI Standard 210 and/or 240. Certification applies only when used with proper components as listed with ARI.

Model	Size (tons)	Dimensions H x W x D (in)	Shipping Weight lbs. (kg)
EMA4X24DA	2	12 ⁵ / ₈ x 17 ⁷ / ₈ x 19 ⁹ / ₁₆	34 (15)
24DAT		Tin Coated Copper	
EMA4X36DA	3	14 ¹ / ₁₆ x 17 ⁷ / ₈ x 19 ⁹ / ₁₆	39 (18)
36DAT		Tin Coated Copper	
EMA4X48DA	4	18 ³ / ₄ x 17 ⁷ / ₈ x 19 ⁹ / ₁₆	45 (20)
48DAT		Tin Coated Copper	

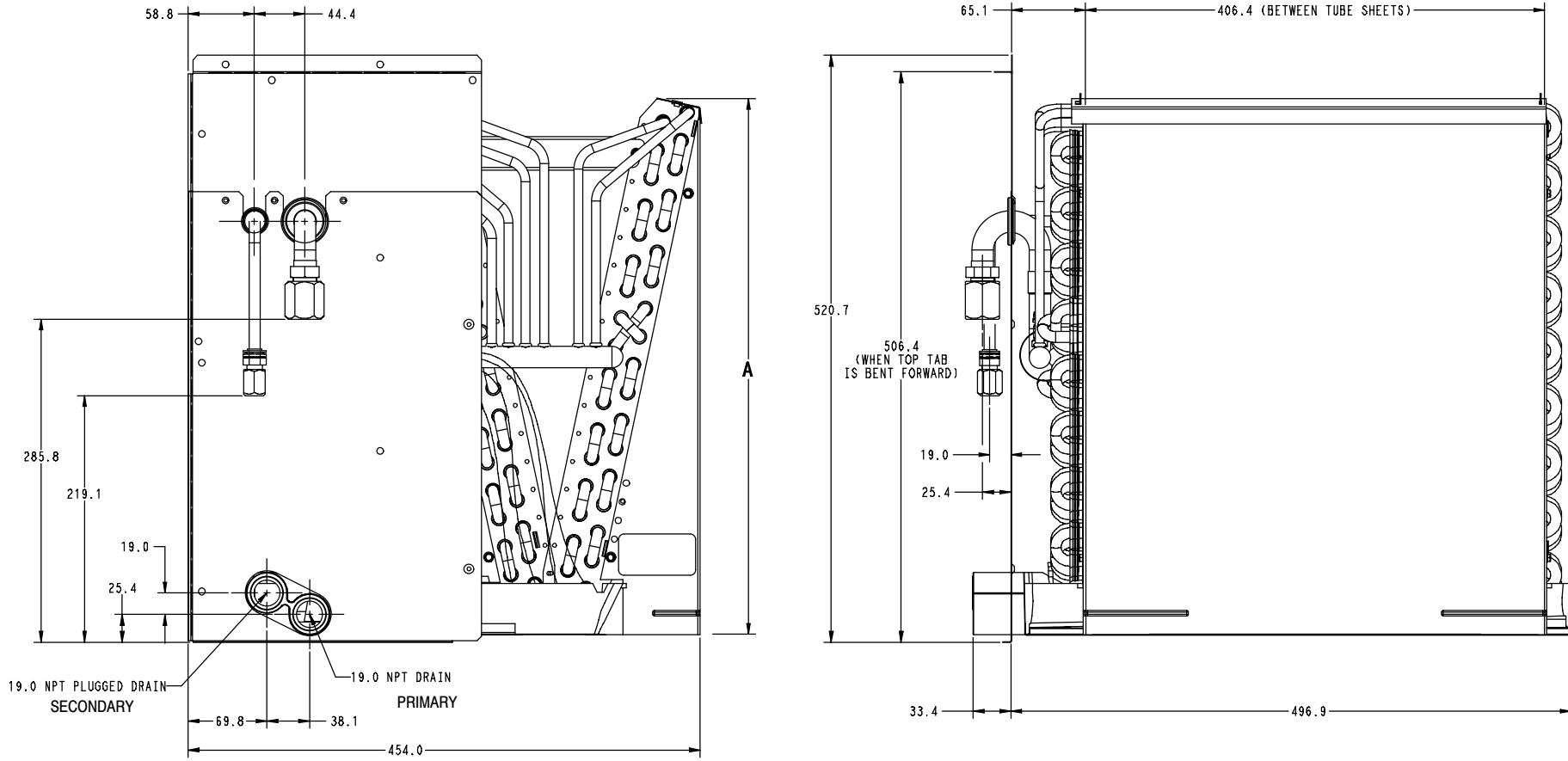


3/4" NPT PLUGGED DRAIN
SECONDARY

3/4" NPT DRAIN
PRIMARY

Dimensions Inches (English)

Model Size	A	Suction Tube Connection Size	Liquid Tube Connection Size
24	12 ⁵ / ₈ "	5/8"	3/8"
36	14 ¹¹ / ₁₆ "	3/4"	3/8"
48	18 ³ / ₄ "	3/4"	3/8"



Dimensions mm (SI Metric)

Model Size	A	Suction Tube Connection Size	Liquid Tube Connection Size
24	321	(16)	(10)
36	373	(19)	(10)
48	476	(19)	(10)

PHYSICAL DATA			
	Model Size		
	24	36	48
TXV factory installed, hard shut-off, bi-flow type for heat pump application, non-adjustable superheat			
R-410A TXV Size	2 ton	3 ton	5 ton
TXV Connections	TXV-to-coil = Bolt-on 3/4-20 UNF straight thread (factory assembled)		
	field line set to TXV = 3/8" (10mm) mechanical coupling		
	equalizer-to-coil = brazed in (factory brazed)		
Nominal Acceptable CFM Range (minimum 350 CFM/ton, maximum 450 CFM/ton)			
CFM (L/s) – min	700 (330)	1050 (496)	1400 (661)
CFM (L/s) – max	900 (425)	1350 (637)	1600 (755)
			(excessive pressure drop above 1600)
Coil Data (all coils 3 slab "N" configuration, lanced sine wave bare aluminum fin)			
Face Area ft ² (m ²)	4.0 (0.37)	4.7 (0.44)	6.0 (0.56)
Each Slab H x W in. (m)	12 x 16 (305 x 406)	14 x 16 (356 x 406)	18 x 16 (457 x 406)
Fins Per Inch	16	16	16
Refrigerant Line Connections (mechanical coupling)			
Liquid in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)
Suction in. (mm)	5/8 (16)	3/4 (19)	3/4 (19)

ACCESSORIES	
Description	Part Number
Fossil Fuel Kit	AXWR01DFB
PVC Condensate Trap Kit (box of 50)	EBAC01CTK

STATIC PRESSURE DROP ACROSS COIL AT A GIVEN CFM			
Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet
24 2 tons	700	0.182	0.214
	800	0.233	0.269
	900	0.290	0.336
36 3 tons	1000	0.189	0.236
	1100	0.221	0.276
	1200	0.259	0.315
	1300	0.299	0.361
	1400	0.341	0.413
48 4 tons	1400	0.322	0.348
	1500	0.366	0.396
	1600	0.413	0.446
	1700	*	*
	1800	*	*

* Excessive pressure drop, application not recommended.

COIL MODEL NUMBER IDENTIFICATION GUIDE									
	E	M	A	4	X	24	D	A	1
E = Evaporator		TYPE		REFRIGERANT		NOMINAL CAPACITY		WIDTH	
M = Manufactured Home		APPLICATION		METERING DEVICE					
A = Loose									
4 = Environmentally Sound R-410A									
X = TXV									
24 = 24,000 BTUH = 2 tons									
36 = 36,000 BTUH = 3 tons									
48 = 48,000 BTUH = 4 tons									
D = 17.9"									
A = Standard									
AT = Tin Coated Copper Tubes for Additional Corrosion Protection								SALES CODE / FEATURES	
Engineering Revision									