



# EMA4X Product Specifications

## COILS for MANUFACTURED HOUSING ENVIRONMENTALLY SOUND R-410A SYSTEMS

2, 3, and 4 TONS

### FEATURES

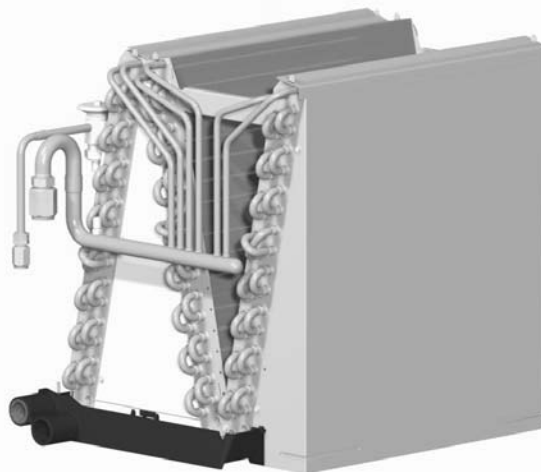
- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Copper tube / aluminum fin coil with latest high tech fin design
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped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

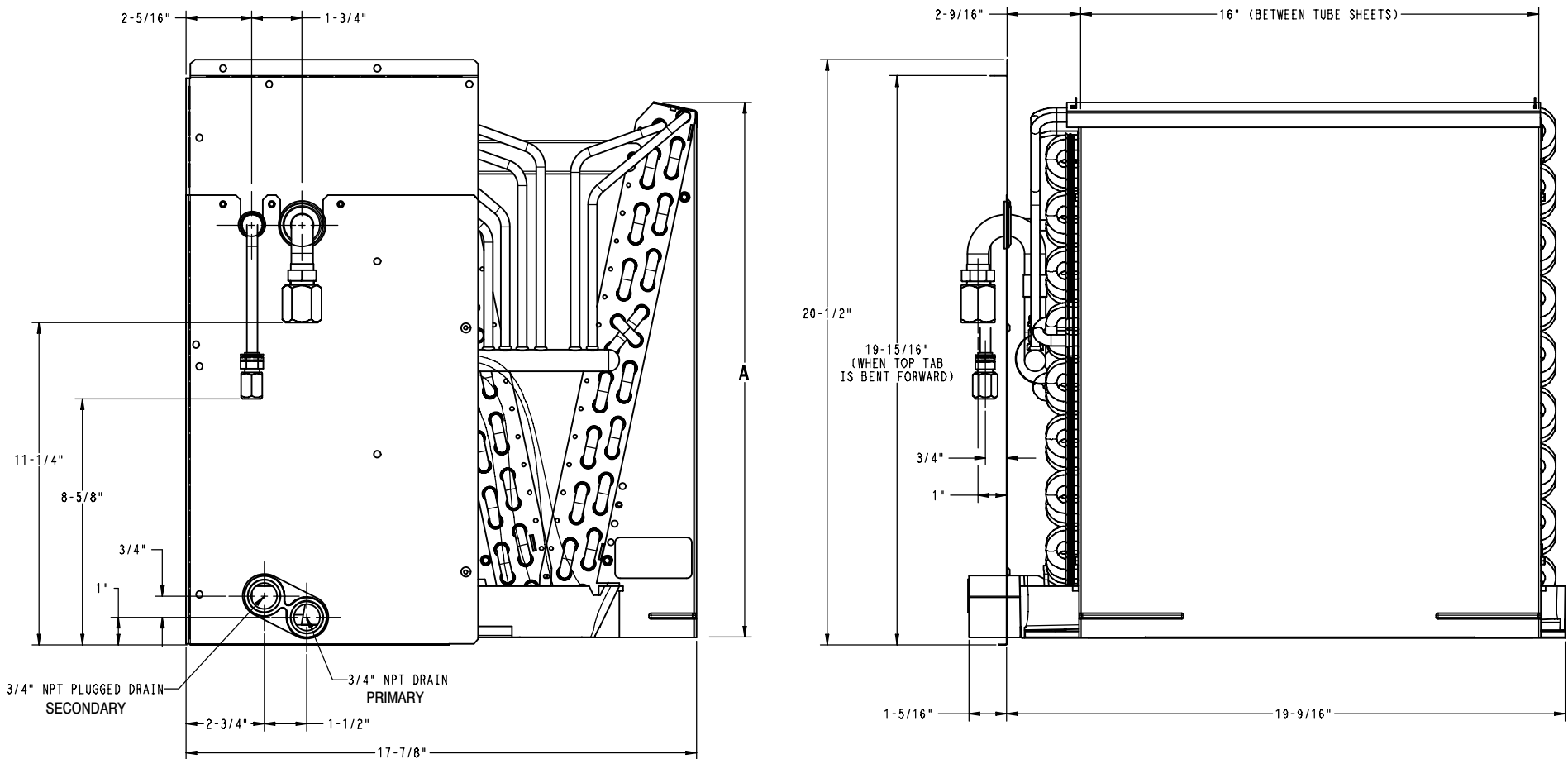
### WARRANTY\*

- 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.



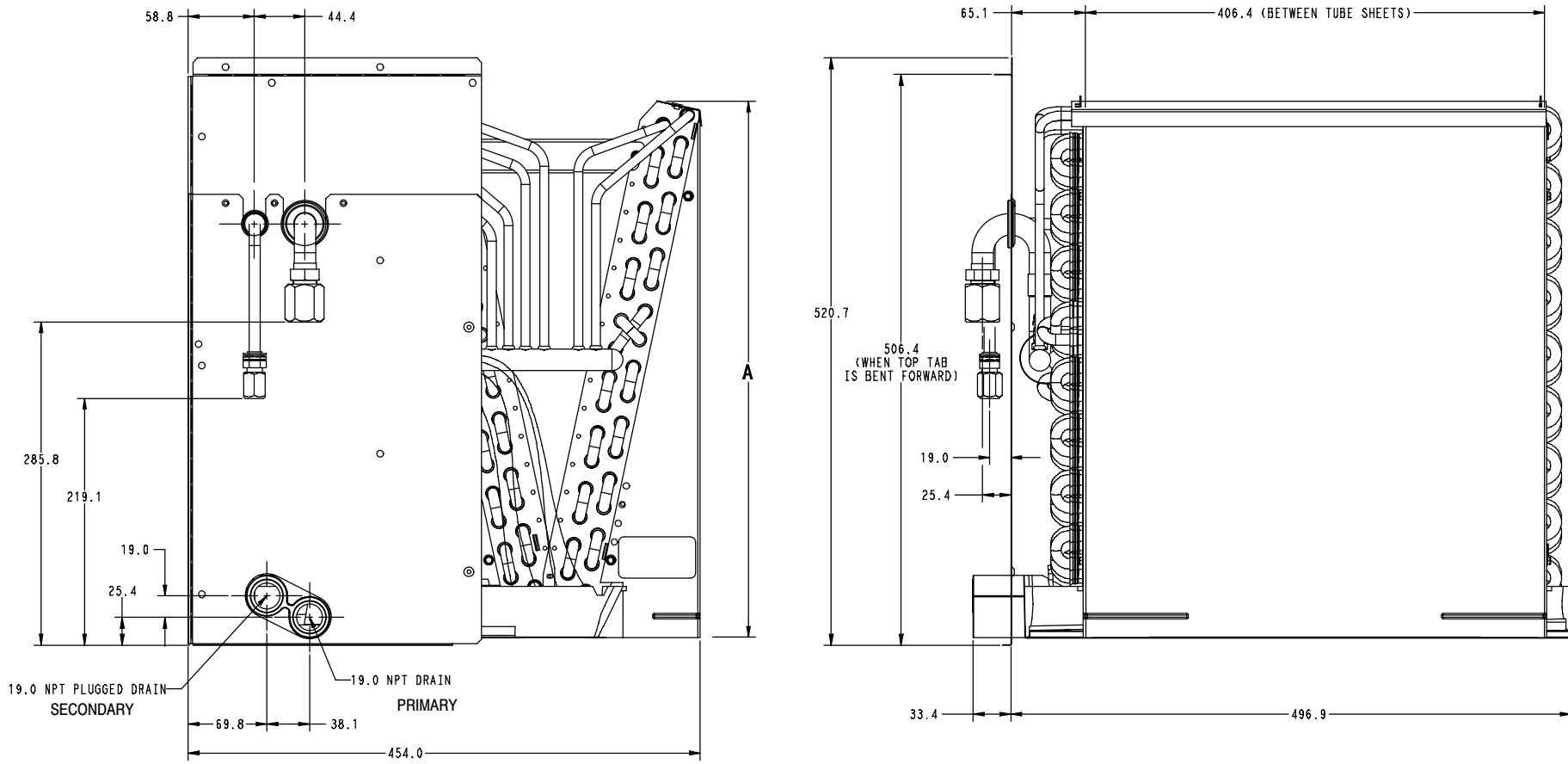
Rated in accordance with ARI Standard 210 and/or 240. Certification applies only when used with proper components as listed with ARI.

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



Dimensions Inches (English)

Model Size	A	Suction Tube Connection Size	Liquid Tube Connection Size
24	12 <sup>5</sup> / <sub>8</sub> "	5/8"	3/8"
36	14 <sup>1</sup> / <sub>16</sub> "	3/4"	3/8"
48	18 <sup>3</sup> / <sub>4</sub> "	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
<b>TXV factory installed, hard shut-off, bi-flow type for heat pump application, non-adjustable superheat</b>			
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)		
<b>Nominal Acceptable CFM Range (minimum 350 CFM/ton, maximum 450 CFM/ton)</b>			
CFM (L/s) – min	700 (330)	1050 (496)	1400 (661)
CFM (L/s) – max	900 (425)	1350 (637)	1600 (755) <small>(excessive pressure drop above 1600)</small>
<b>Coil Data (all coils 3 slab "N" configuration, lanced sine wave bare aluminum fin)</b>			
Face Area ft <sup>2</sup> (m <sup>2</sup> )	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
<b>Refrigerant Line Connections (mechanical coupling)</b>			
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									
	<b>E</b>	<b>M</b>	<b>A</b>	<b>4</b>	<b>X</b>	<b>24</b>	<b>D</b>	<b>A</b>	<b>1</b>
E = Evaporator		<b>TYPE</b>							
M = Manufactured Home		<b>APPLICATION</b>							
A = Loose		<b>REFRIGERANT</b>							
4 = Environmentally Sound R-410A		<b>METERING DEVICE</b>							
X = TXV									
24 = 24,000 BTUH = 2 tons									
36 = 36,000 BTUH = 3 tons									
48 = 48,000 BTUH = 4 tons						<b>NOMINAL CAPACITY</b>			
D = 17.9"								<b>WIDTH</b>	
A = Standard									
AT = Tin Coated Copper Tubes for Additional Corrosion Protection								<b>SALES CODE / FEATURES</b>	
Engineering Revision									