



EMA4X

Product Specifications

COILS for MANUFACTURED HOUSING ENVIRONMENTALLY SOUND R-410A SYSTEMS

2, 3, and 4 TONS

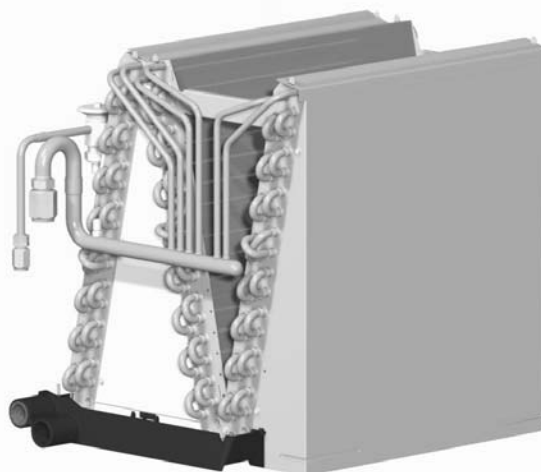
FEATURES

- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- 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
- Aluminum hairpin/return-bend/fin “N” coil with the latest high-tech fin design

WARRANTY*

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

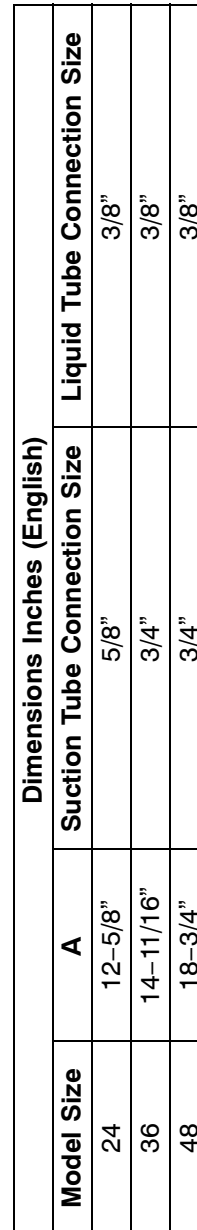
* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

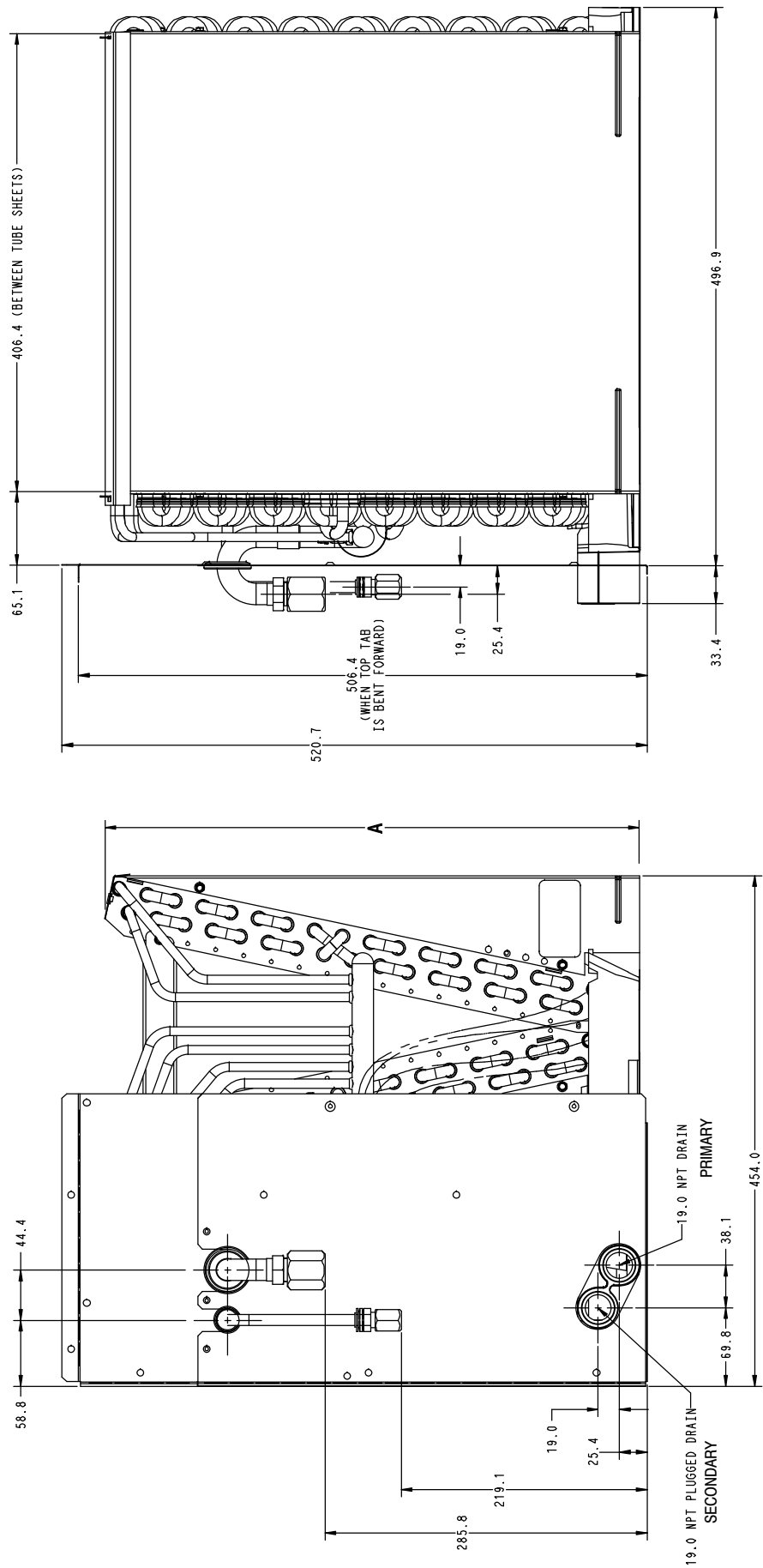


Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



Model	Size (tons)	Dimensions H x W x D (in)	Shipping Weight lbs. (kg)
EMA4X24DAL	2	12-5/8 x 17-7/8 x 19-9/16	34 (15)
EMA4X36DAL	3	14-11/16 x 17-7/8 x 19-9/16	39 (18)
EMA4X48DAL	4	18-3/4 x 17-7/8 x 19-9/16	45 (20)





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 CFM (L/s) – max	700 (330) 900 (425)	1050 (496) 1350 (637)	1400 (661) 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	AL	1
E = Evaporator		TYPE	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH	SALES CODE / FEATURES	
M = Manufactured Home									
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"									
AL = Aluminum									
Engineering Revision									