TEMPSTAR®
Heating and Cooling Products

EHD
Product Specifications

CASED HORIZONTAL DUCT COILS

R−22 or ENVIRONMENTALLY SOUND R−410A SYSTEMS

2 THRU 5 TONS

FEATURES
- Horizontal, bi−directional airflow
- Bolt−on TXV metering device factory installed on all models (equalizer tube brazed in)
- Slide−out feature for easy cleaning
- Copper tube / aluminum fin slab coil
- Pre−painted steel cabinet

AVAILABLE WITH TIN COATED COPPER TUBING
- Model numbers ending in “AT” have industry exclusive tin coated copper main tubing for additional corrosion protection

WARRANTY*

R−410A
- 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.

R−22
- 5 year parts limited warranty

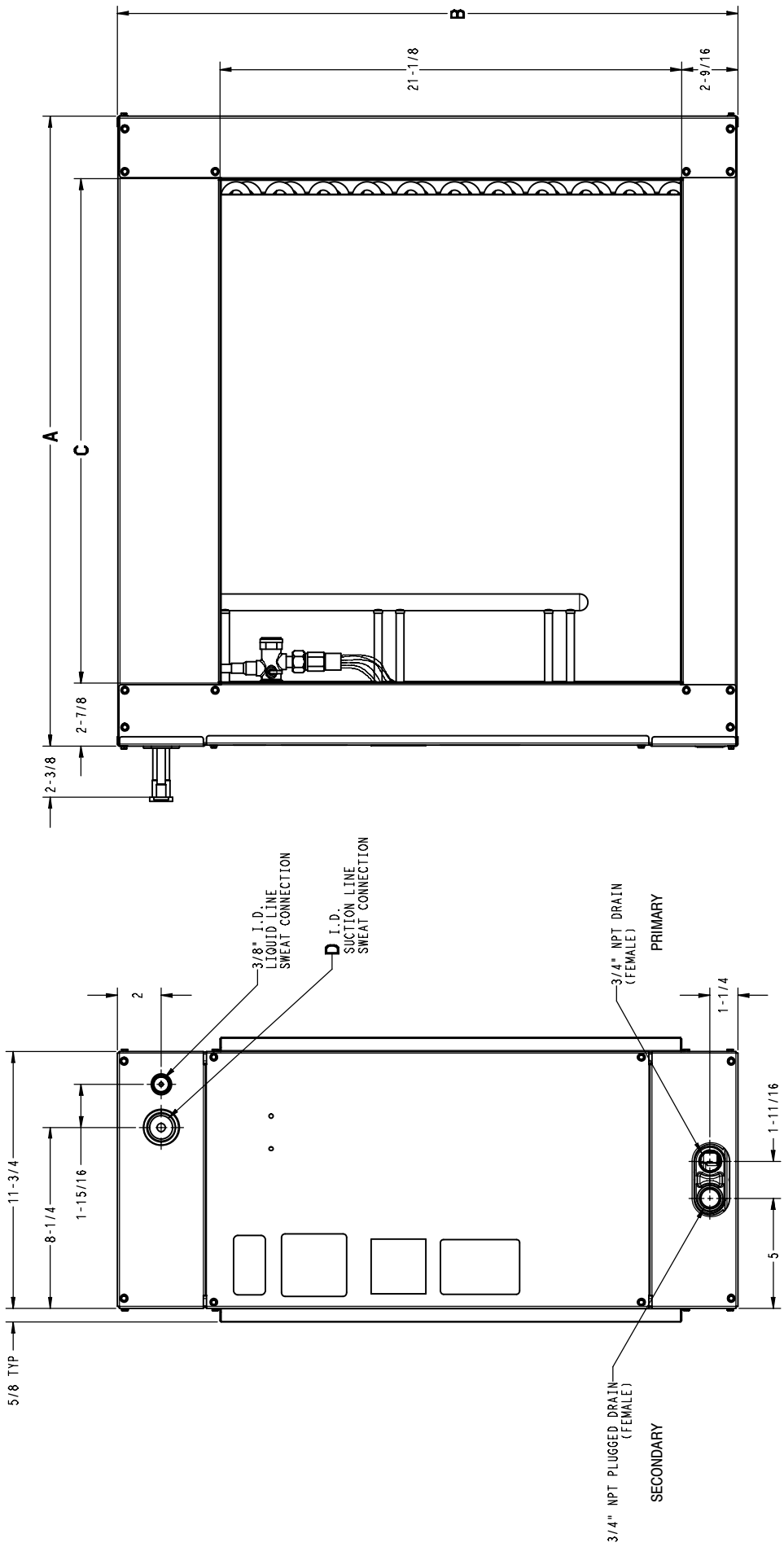
Model		Size (tons)	Dimensions H x W x D (in)
R−410A	EHD4X24AA	2	28⅜ x 11¾ x 24 1/16
	24AAT	Tin Coated Copper	
	EHD4X30AA	2½	28⅜ x 11¾ x 24 1/16
	30AAT	Tin Coated Copper	
	EHD4X36AA	3	28⅜ x 11¾ x 28 13/16
	36AAT	Tin Coated Copper	
	EHD4X42AA	3½	28⅜ x 11¾ x 28 13/16
	42AAT	Tin Coated Copper	
	EHD4X48AA	4	30⅜ x 11¾ x 28 13/16
	48AAT	Tin Coated Copper	
	EHD4X60AA	5	30⅜ x 11¾ x 38 15/16
	60AAT	Tin Coated Copper	
R−22	EHD2X24AA	2	28⅜ x 11¾ x 24 1/16
	24AAT	Tin Coated Copper	
	EHD2X30AA	2½	28⅜ x 11¾ x 24 1/16
	30AAT	Tin Coated Copper	
	EHD2X36AA	3	28⅜ x 11¾ x 28 13/16
	36AAT	Tin Coated Copper	
	EHD2X42AA	3½	28⅜ x 11¾ x 28 13/16
	42AAT	Tin Coated Copper	
	EHD2X48AA	4	30⅜ x 11¾ x 28 13/16
	48AAT	Tin Coated Copper	
	EHD2X60AA	5	30⅜ x 11¾ x 38 15/16
	60AAT	Tin Coated Copper	

ARI PERFORMANCE CERTIFIED — ARI Standard 210/240 Unitary Heat Pumps
ARI PERFORMANCE CERTIFIED — ARI Standard 210/240 Unitary Air Conditioners

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

c UL US LISTED

Specifications subject to change without notice.



Model Size	A	B	C	Suction Tube Size	Liquid Tube Size
24	24 1/16"	28 3/8"	16 1/16"	5/8"	3/8"
30	24 1/16"	28 3/8"	16 1/16"	3/4"	3/8"
36	28 13/16"	28 3/8"	23 1/16"	3/4"	3/8"
42	28 13/16"	28 3/8"	23 1/16"	7/8"	3/8"
48	28 13/16"	30 3/8"	23 1/16"	7/8"	3/8"
60	38 15/16"	30 3/8"	33 13/16"	7/8"	3/8"

PHYSICAL DATA

	Model Size					
	24	30	36	42	48	60
TXV factory installed, hard shut−off, bi−flow type for heat pump application, non−adjustable superheat						
R−22 TXV Size	3 ton			5 ton		6 ton
R−410A TXV Size	2 ton		3 ton	4 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” sweat (female)					
	equalizer−to−coil = brazed in (factory brazed)					
Nominal Acceptable CFM Range						
CFM − min CFM − max	700 900	875 1125	1050 1350	1225 1575	1400 1800	1750 2000
Coil Data (all coils 1 slab, lanced sine wave bare aluminum fin)						
Face Area (ft^2)	2.98	3.34	4.02	4.42	4.76	6.22
Slab H x W (in)	26 x 16½	26 x 18½	26 x 22¼	26 x 24½	28 x 24½	28 x 32
Fins Per Inch	15	14	15	15	15	14
Refrigerant Line Connections (sweat)						
Liquid (inch)	3/8	3/8	3/8	3/8	3/8	3/8
Suction (inch)	5/8	3/4	3/4	7/8	7/8	7/8

ACCESSORIES

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

COIL MODEL NUMBER IDENTIFICATION GUIDE

E H D 2 X 24 A A 1

E = Evaporator
H = Horizontal — **TYPE**

D = Duct — **APPLICATION**

2 = R−22
4 = Environmentally Sound R−410A — **REFRIGERANT**

X = TXV — **METERING DEVICE**

24 = 24,000 BTUH = 2 tons
30 = 30,000 BTUH = 2½ tons
36 = 36,000 BTUH = 3 tons
42 = 42,000 BTUH = 3½ tons
48 = 48,000 BTUH = 4 tons
60 = 60,000 BTUH = 5 tons — **NOMINAL CAPACITY**

A = 11.8” — **WIDTH**

A = Standard
AT = Tin Coated Copper Tubes for Additional Corrosion Protection — **SALES CODE / FEATURES**

Engineering Revision

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	400	0.060	0.069
	500	0.081	0.096
	600	0.104	0.129
	700	0.129	0.162
	800	0.155	0.198
	900	0.186	0.237
	1000	0.217	0.278
30 2½ tons	400	0.044	0.050
	500	0.060	0.071
	600	0.077	0.093
	700	0.097	0.116
	800	0.116	0.144
	900	0.140	0.172
	1000	0.165	0.203
	1100	0.190	0.235
	1200	0.219	0.269
36 3 tons	400	0.043	0.048
	500	0.058	0.066
	600	0.074	0.086
	700	0.089	0.104
	800	0.107	0.128
	900	0.127	0.154
	1000	0.150	0.182
	1100	0.172	0.212
	1200	0.197	0.245
	1300	0.224	0.280
	1400	0.252	0.317
42 3½ tons	600	0.065	0.076
	700	0.079	0.094
	800	0.095	0.114
	900	0.113	0.137
	1000	0.134	0.163
	1100	0.154	0.189
	1200	0.176	0.215
	1300	0.197	0.245
	1400	0.220	0.273
	1500	0.246	0.303
	1600	0.268	0.332

Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet
48 4 tons	600	0.063	0.080
	700	0.076	0.101
	800	0.091	0.123
	900	0.105	0.149
	1000	0.121	0.175
	1100	0.138	0.206
	1200	0.157	0.215
	1300	0.175	0.231
	1400	0.195	0.261
	1500	0.217	0.291
	1600	0.238	0.325
	1700	0.260	0.361
	1800	0.284	0.394
60 5 tons	800	0.051	0.063
	900	0.060	0.076
	1000	0.069	0.089
	1100	0.079	0.102
	1200	0.090	0.118
	1300	0.101	0.135
	1400	0.113	0.155
	1500	0.125	0.175
	1600	0.138	0.193
	1700	0.153	0.214
	1800	0.165	0.235
	1900	0.180	0.258
	2000	0.195	0.279