



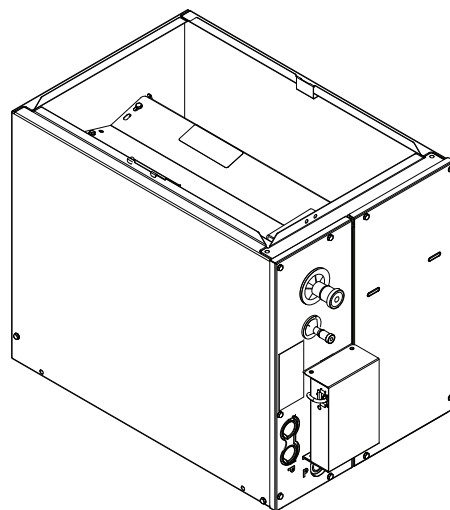
Product and Submittal Data

Aluminum Cased Heat Pump / Cooling Coils 1.5 to 5 Ton

Heat Pump/Cooling Coils for R-454B

Cased Upflow / Downflow / Horizontal Coils

5TXCA001AS3HCA
5TXCA002AS3HCA
5TXCB003AS3HCA
5TXCB004AS3HCA
5TXCC005AS3HCA
5TXCB006AS3HCA
5TXCC007AS3HCA
5TXCD008AS3HCA
5TXCC009AS3HCA
5TXCD010AS3HCA



*Note: Graphics in this document are for representation only.
Actual model may differ in appearance.*



Introduction

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Data Notes

This document supersedes and includes data from the documents listed below.

Table 1. Data notes

Literature Number	Title
22-1995-1*-EN	5TXC-Series Coils, Aluminum Cased Heat Pump / Cooling Coils 1.5 to 5 Ton Product Data
5TXC-AS-SUB-1*-EN	5TXC Series Coils, Split System Aluminum Premium Heat Pump / Cooling Coils, 1.5 to 5 Ton Coils Submittal



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Model Number Description

Model number example: 5TXCA001AS3HCAA

Digit 1 — Refrigerant Type

4 = R-410A

5 = R-454B

Digit 2 — Series

T = Premium Multi-Poise (Cooling and HP)

P = Core Dedicated Position (Cooling and HP)

M = Value Multi-Poise (Cooling and HP)

A = Entry level (Cooling and HP)

Digit 3 — Coil Design

X = Direct Expansion Evaporator Coil

Digit 4 — Coil Feature

C = Cased A Coil

A = Uncased A Coil

F = Cased Horizontal Flat Coil

Digit 5 — Cabinet Width

A = 14.5 inch

B = 17.5 inch

C = 21.0 inch

D = 24.5 inch

H = 10.5 inch

Digit 6 — Airflow Direction

0 = Multi-directional (horizontal allowed)

U = Upflow/Downflow, convertible to Horizontal Left or Horizontal Right

D = Downflow, convertible to Horizontal Right

Digit 7, 8 — Nominal Capacity in 1000s (BTUH), or Model Number Distinguisher

Digit 9 — Major Design Change

Digit 10 — Efficiency

C = Standard

S = High Efficiency

Z = High Efficiency (TXV modulates to 50%)

Digit 11 — Refrigerant Control

3 = TXV

6 = FCCV (Flow Control/Check Valve)

Digit 12 — Coil Circuitry

H = Heat Pump

C = Cooling

Digit 13 — Airflow Configuration

A = Upflow / Downflow

U = Upflow

D = Downflow

R = Downflow / Horizontal Right

H = Horizontal Left / Right

C = Convertible - Upflow, Downflow, Left, or Right

Digit 14 — Minor Design Change

Digit 15 — Service Digit — Not Orderable

A, B, C = Assembled in Trenton, NJ

V, W, X = Assembled in Vidalia, GA



Accessories

See the table below for compatible accessories.

Table 2. Accessories for 5TXC coils

Optional Downflow Gasket Kit No.	Use with Coil Model Numbers
BAYGSKT001A0	All 5TXC
Wire Harness Extension	Use with Coil Model Numbers
BAYMCBHARNESS	All 5TXC



Product Specifications

Table 3. Models 5TXCA001AS3HCA, 5TXCA002AS3HCA, 5TXCB003AS3HCA, and 5TXCB004AS3HCA

Model	5TXCA001AS3HCA	5TXCA002AS3HCA	5TXCB003AS3HCA	5TXCB004AS3HCA
Indoor coil - Type	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Cooling Capacity (Tons)	1.5 - 2.0	1.5 - 3.0	1.5 - 3.0	2.0 - 3.5
Rows / F.P.I.	2 / 20	2 / 20	3 / 14	3 / 12
Face Area (sq.ft.)	3.0	4.5	3.5	5.0
Tube Size	3/8	3/8	3/8	3/8
Refrigerant Control	Non-Bleed TXV	Non-Bleed TXV	Non-Bleed TXV	Non-Bleed TXV
Internal check valve	Yes	Yes	Yes	Yes
Drain Conn. Size (in.)	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections	See Outline Drawing	See Outline Drawing	See Outline Drawing	See Outline Drawing
Refrigerant Connections	R-454B BRAZED	R-454B BRAZED	R-454B BRAZED	R-454B BRAZED
Line Size / Gas (in.)	3/4	3/4	3/4	7/8
Line Size / Liquid (in.)	3/8	3/8	3/8	3/8
Dimensions (in.)	H x W x D	H x W x D	H x W x D	H x W x D
Crated	21-9/16 x 18-1/2 x 27-1/2	26-9/16 x 18-1/2 x 27-1/2	21-9/16 x 21-1/2 x 27-1/2	26-9/16 x 21-1/2 x 27-1/2
Uncrated	17-1/2 x 14-1/2 x 21-1/2	22-1/2 x 14-1/2 x 21-1/2	17-1/2 x 17-1/2 x 21-1/2	22-1/2 x 17-1/2 x 21-1/2
Weight (lbs) Shipping / Net	42 / 34	49 / 41	50 / 42	58 / 50

Note: These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). See Split System Outdoor product information site or www.ahrinet.org

Table 4. Models 5TXCC005AS3HCA, 5TXCB006AS3HCA, and 5TXCC007AS3HCA

Model	5TXCC005AS3HCA	5TXCB006AS3HCA	5TXCC007AS3HCA
Indoor coil - Type	PLATE	PLATE FIN	PLATE FIN
Cooling Capacity (Tons)	2.0 - 4.0	2.0 - 5.0	3.0 - 5.0
Rows / F.P.I.	3 / 12	3 / 14	3 / 14
Face Area (sq.ft.)	5.0	6.0	6.0
Tube Size	3/8	3/8	3/8
Refrigerant Control	Non-Bleed TXV	Non-Bleed TXV	Non-Bleed TXV
Internal check valve	Yes	Yes	Yes
Drain Conn. Size (in.)	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections	See Outline Drawing	See Outline Drawing	See Outline Drawing
Refrigerant Connections	R-454B BRAZED	R-454B BRAZED	R-454B BRAZED
Line Size / Gas (in.)	7/8	7/8	7/8
Line Size / Liquid (in.)	3/8	3/8	3/8
Dimensions (in.)	H x W x D	H x W x D	H x W x D
Crated	26-9/16 x 25 x 27-1/2	30-13/16 x 21-1/2 x 27-1/2	30-13/16 x 25 x 27-1/2
Uncrated	22-1/2 x 21 x 21-1/2	26-3/4 x 17-1/2 x 21-1/2	26-3/4 x 21 x 21-1/2
Weight (lbs) Shipping / Net	60 / 52	63 / 55	69 / 61

Note: These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). See Split System Outdoor product information site or www.ahrinet.org

Table 5. Models 5TXCD008AS3HCA, 5TXCC009AS3HCA, and 5TXCD010AS3HCA

Model	5TXCD008AS3HCA	5TXCC009AS3HCA	5TXCD010AS3HCA
Indoor coil - Type	PLATE FIN	PLATE FIN	PLATE FIN
Cooling Capacity (Tons)	3.0 - 5.0	3.0 - 5.0	3.0 - 5.0
Rows / F.P.I.	3 / 14	3 / 16	3 / 16
Face Area (sq.ft.)	6.0	7.0	7.0
Tube Size	3/8	3/8	3/8
Refrigerant Control	Non-Bleed TXV	Non-Bleed TXV	Non-Bleed TXV
Internal check valve	Yes	Yes	Yes
Drain Conn. Size (in.)	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections	See Outline Drawing	See Outline Drawing	See Outline Drawing
Refrigerant Connections	R-454B BRAZED	R-454B BRAZED	R-454B BRAZED
Line Size / Gas (in.)	7/8	7/8	7/8
Line Size / Liquid (in.)	3/8	3/8	3/8
Dimensions (in.)	H x W x D	H x W x D	H x W x D
Crated	30-5/8 x 28-1/2 x 27-1/2	34-3/4 x 25 x 27-1/2	34-3/4 x 28-1/2 x 27-1/2
Uncrated	26-3/4 x 24-1/2 x 21-1/2	30-3/4 x 21 x 21-1/2	30-3/4 x 24-1/2 x 21-1/2
Weight (lbs) Shipping / Net	72 / 64	78 / 70	81 / 73

Note: These indoor coils are AHRI. certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). See Split System Outdoor product information site or www.ahrinet.org

Performance Data

Table 6. Airflow performance

Pressure drop characteristics for cooling and heat pump coils Airflow (CFM) vs. pressure drop across wet coil								
Pressure drop (inches of water column)								
Model	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4
5TXCA001AS3HCA	225	340	430	510	585	650	715	775
5TXCA002AS3HCA	300	475	620	750	870	980	1085	1185
5TXCB003AS3HCA	350	525	665	790	900	1000	1095	1185
5TXCB004AS3HCA	440	655	825	970	1100	1220	1330	1435
5TXCC005AS3HCA	520	775	970	1145	1300	1440	1570	1695
5TXCB006AS3HCA	430	645	815	965	1095	1220	1335	1445
5TXCC007AS3HCA	510	760	965	1140	1300	1445	1580	1710
5TXCD008AS3HCA	580	870	1100	1305	1485	1650	1805	1950
5TXCC009AS3HCA	490	740	945	1120	1280	1425	1565	1695
5TXCD010AS3HCA	555	835	1065	1265	1445	1615	1770	1915

Dimensional Data

Figure 1. Dimensional drawing

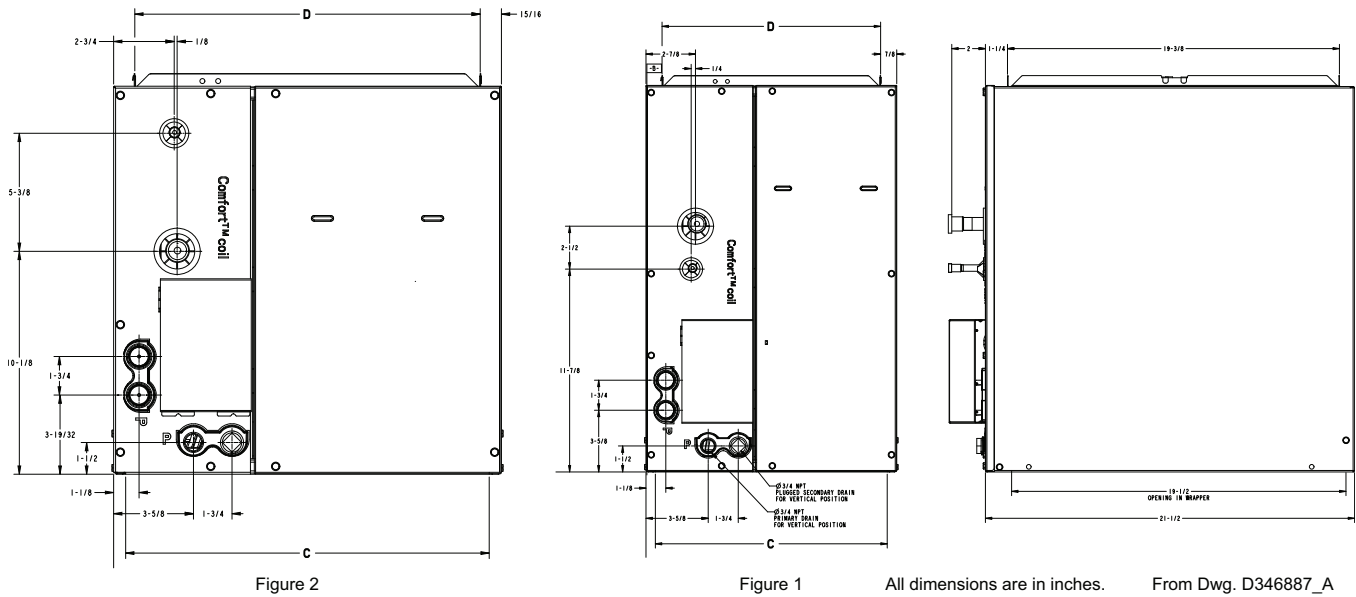


Table 7. Dimensions (inch)

Model (5TXC)	A001AS3	A002AS3	B003AS3	B004AS3	C005AS3	B006AS3	C007AS3	0008AS3	C009AS3	D010AS3
See Figure	Figure 1	Figure 1	Figure 2	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1
Opening Width "C"	13-5/8	13-5/8	16-5/8	16-5/8	20-1/8	16-5/8	20-1/8	23-5/8	20-1/8	23-5/8
Top Opening "D"	12-3/4	12-3/4	15-3/4	15-3/4	19-1/4	15-3/4	19-1/4	22-3/4	19-1/4	22-3/4
Matched Furnace Width (no Adapter Required)	14-1/2	14-1/2	17-1/2	17-1/2	21	17-1/2	21	24-1/2	21	24-1/2
Drain Pan	Plastic									



Mechanical Specifications

General

Upflow, Downflow, or Horizontal coils shall be designed for cooling and heat pump applications. The coil shall be 3/8" seamless aluminum tubing mechanically bonded to aluminum plate fin.

Refrigerant is controlled for the 5TXC Coils factory installed Non-Bleed TXV. Refrigerant connections are brazed fittings.

The coil cabinet shall have a removable front and interior access panel for evaporator coil entering air surface cleaning.

The coil includes a vertical drain pan with primary and secondary drain connections for vertical operation and a horizontal drain pan with primary and secondary drain connections for horizontal operation.

These coils are AHRI certified.



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