



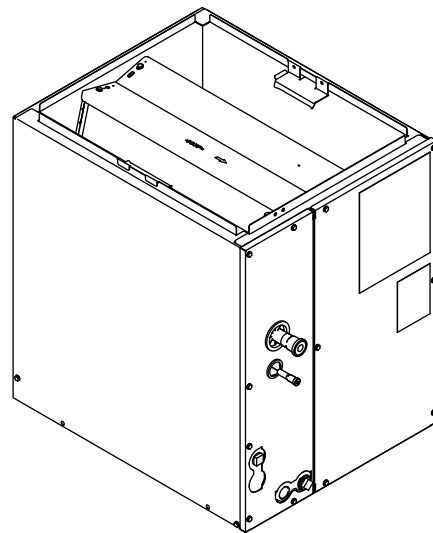
Product and Submittal Data

Aluminum Cased Heat Pump / Cooling Coils 1.5 to 5 Ton

Replacement/Service coils for R-410A

Cased Upflow / Downflow / Horizontal Coils

4TXCA002RS3
4TXCB003RS3
4TXCA032RS3
4TXCB004RS3
4TXCC005RS3
4TXCB006RS3
4TXCC007RS3
4TXCD008RS3
4TXCC009RS3
4TXCD010RS3



*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
COR-PRD001*-EN	Aluminum Cased Heat Pump / Cooling Coils 1.5 to 5 Ton 4TXC-RS Series Product Data
4TXC-PRQ001*-EN	1.5 to 5 Ton Comfort Coils, Split System Aluminum Premium Heat Pump / Cooling Coils Cased Upflow / Downflow Horizontal 4TXC-RS Series Coils Submittal



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Model Number Description

Model number example: 4TXCB004RS3HCAA

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 Only

U = Upflow / Downflow

D = Downflow / Horizontal Right

R = Downflow Left / 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 4TXC coils

Adjustable R410 TXV Kit Number	Use with Coil Model Numbers
4AYTXVH4A1830A	A002
4AYTXVH4A3042A	AO32, B003–C005
4AYTXVH4A4860A	B006–D010



Product Specifications

Table 3. Models 4TXCA002RS3, 4TXCB003RS3, 4TXCA032RS3, and 4TXCB004RS3

Model	4TXCA002RS3	4TXCB003RS3	4TXCA032RS3	4TXCB004RS3
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	3 / 14	2 / 20	3 / 12
Face Area (sq.ft.)	3.0	3.5	4.5	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-410A BRAZED	R-410A BRAZED	R-410A BRAZED	R-410A 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	21-9/16 x 21-1/2 x 27-1/2	26-9/16 x 18-1/2 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	17-1/2 x 17-1/2 x 21-1/2	22-1/2 x 14-1/2 x 21-1/2	22-1/2 x 17-1/2 x 21-1/2
Weight (lbs) Shipping / Net	42 / 34	50 / 42	49 / 41	58 / 50

Note: These R-410A indoor coils are for replacement only, and should only be used for repair and service of existing equipment. These coils are not to be used with new installations.

Table 4. Models 4TXCC005RS3, 4TXCB006RS3, and 4TXCC007RS3

Model	4TXCC005RS3	4TXCB006RS3	4TXCC007RS3
Indoor coil - Type	PLATE FIN	PLATE FIN	PLATE FIN
Cooling Capacity (Tons)	2.0 - 4.0	2.0 - 5.0	3.0 - 4.0
Rows / F.P.I.	3 / 12	3 / 14	3 / 14
Face Area (sq.ft.)	5.0	5.5	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-410A BRAZED	R-410A BRAZED	R-410A 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 (H x W x D)	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 R-410A indoor coils are for replacement only, and should only be used for repair and service of existing equipment. These coils are not to be used with new installations.

Table 5. Models 4TXCD008RS3, 4TXCC009RS3, and 4TXCD010RS3

Model	4TXCD008RS3	4TXCC009RS3	4TXCD010RS3
Indoor coil - Type	PLATE FIN	PLATE FIN	PLATE FIN
Cooling Capacity (Tons)	3.5 - 5.0	3.5 - 5.0	3.5 - 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-410A BRAZED	R-410A BRAZED	R-410A 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 (H x W x D)	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 R-410A indoor coils are for replacement only, and should only be used for repair and service of existing equipment. These coils are not to be used with new installations.



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
4TXCA002RS3	225	340	430	510	585	650	715	775
4TXCA032RS3	375	570	725	860	985	1100	1200	1305
4TXCB003RS3	350	525	665	790	900	1000	1095	1180
4TXCB004RS3	440	655	825	970	1100	1220	1330	1435
4TXCB006RS3	430	640	815	965	1095	1220	1335	1445
4TXCC005RS3	520	770	970	1145	1300	1440	1570	1695
4TXCC007RS3	505	760	965	1140	1300	1445	1580	1710
4TXCC009RS3	490	740	940	1120	1280	1425	1565	1695
4TXCD008RS3	580	870	1100	1300	1485	1650	1805	1950
4TXCD010RS3	555	835	1065	1265	1445	1615	1770	1915

Dimensional Data

Figure 1. Dimensional drawing

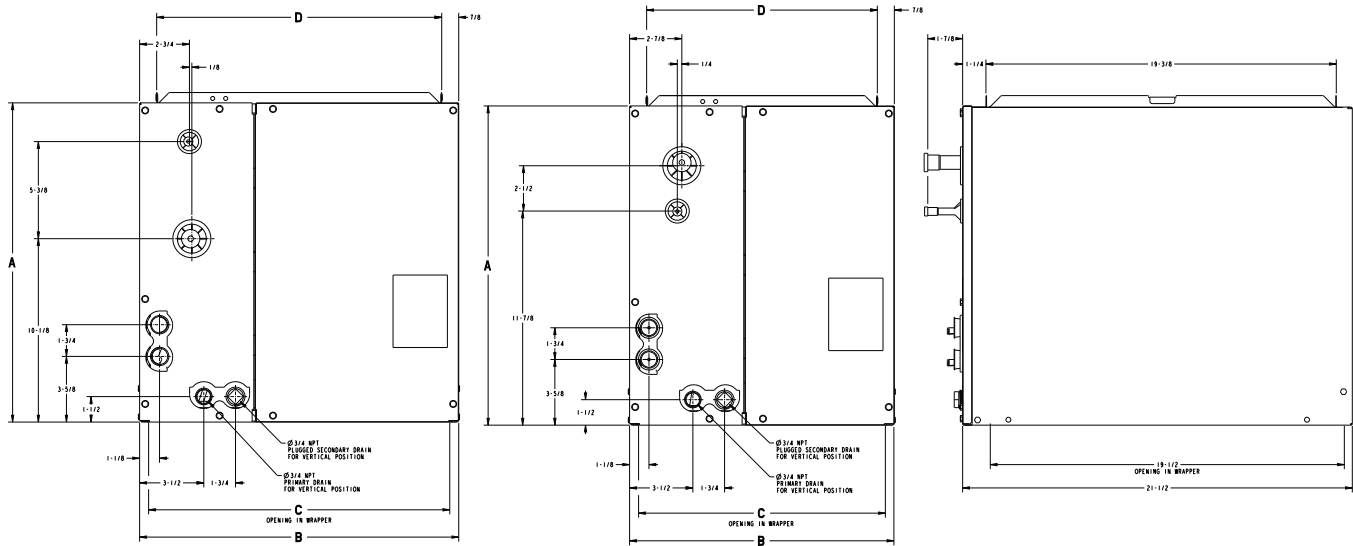


Figure 2

Figure 1

All dimensions are in inches.

From Dwg. D346710 Rev A

Table 7. Dimensions (inch)

Model (4TXC)	A002RS3	A032RS3	B003RS3	B004RS3	C005RS3	B006RS3	C007RS3	D008RS3	C009RS3	D010RS3
See Figure	Figure 1	Figure 1	Figure 2	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1
Shipping Weight (lbs.)	44	49	50	58	60	63	69	72	78	81
Refrigerant Control	TXV (Non-Bleed)									
Height "A"	17-5/8	22-1/2	17-5/8	22-1/2	22-1/2	26-7/8	26-7/8	26-7/8	30-3/4	30-3/4
Overall Width "B"	14-1/2	14-1/2	17-1/2	17-1/2	21	17-1/2	21	24-1/2	21	24-1/2
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
Gas Connection	3/4			7/8						
Liquid Connection	3/8									
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 in. seamless aluminum tubing mechanically bonded to aluminum plate fin.

Refrigerant for the 4TXC is controlled with a factory installed R-410A 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.



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