



Product and Submittal Data

Cased Aluminum Coils Dedicated Upflow/Downflow 2 to 5 Ton

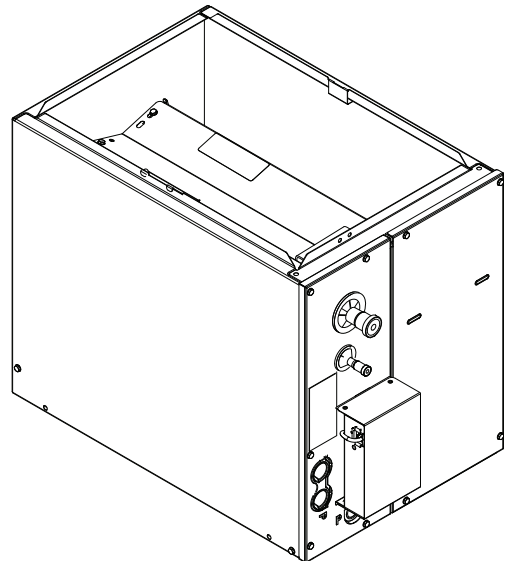
Heat Pump / Cooling Coils for R-454B

Cased Dedicated Upflow / Downflow Coils

5PXCA001AS3HAA
5PXCA002AS3HAA
5PXCBD003AS3HAA
5PXCBD004AS3HAA
5PXCC005AS3HAA
5PXCBD006AS3HAA
5PXCC007AS3HAA
5PXCD008AS3HAA
5PXCC009AS3HAA
5PXCD010AS3HAA

Cased Dedicated Downflow Only Coils

5PXCBD03AS3HDA
5PXCBD04AS3HDA
5PXCCD05AS3HDA
5PXCBD06AS3HDA
5PXCCD07AS3HDA
5PXCCD09AS3HDA
5PXCDD10AS3HDA



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
22-2017-1*-EN	5PXC, Cased Aluminum Coils Dedicated Upflow / Downflow Product Data
5PXC-AS-SUB-1*-EN	5PXC, 1.5 - 5 Ton Cased Aluminum Dedicated Upflow and Downflow Convertible to Horizontal with Kit Submittal



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Model Number Description

Example Model Number: 5PXCA001AS3HAAA

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

U = Upflow / Downflow

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 5PXC coils

Horizontal Conversion Kit No	Use with Coil Model Numbers
BAYCONV18B	5PXC**01, 03
BAYCONV23B	5PXC**02, 04, 05
BAYCONV27B	5PXC**06-08
BAYCONV30C	5PXC**09-010
Optional Downflow Gasket Kit No.	Use with Coil Model Numbers
BAYGSKT001A0	5PXC
Wire Harness Extension	Use with Coil Model Numbers
BAYMCBHARNESS	5PXC



Product Specifications

Table 3. Models 5PXCA001AS3HAA, 5PXCA002AS3HAA, 5PXC003AS3HAA, and 5PXC004AS3HAA

Model	5PXCA001AS3HAA	5PXCA002AS3HAA	5PXC003AS3HAA	5PXC004AS3HAA
Indoor coil- Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	1.5 to 2.0	1.5 to 3.0	1.5 to 3.0	2.0 to 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	3/4	3/4	3/4
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	20.75 x 19 x 27.66	25.75 x 19 x 27.66	20.75 x 22 x 27.66	25.75 x 22 x 27.66
Uncrated	17.5 x 14.5 x 21.5	17.5 x 14.5 x 21.5	17.5 x 17.5 x 21.5	22.5 x 17.5 x 21.5
Weight (lbs) Shipping / Net	39 / 31	43 / 35	47 / 39	54 / 46

Notes:

1. These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org
2. Convertible to Horizontal Left or Horizontal Right with kit.

Table 4. Models 5PXCC005AS3HAA, 5PXC006AS3HAA, 5PXCC007AS3HAA, and 5PXC008AS3HAA

Model	5PXCC005AS3HAA	5PXC006AS3HAA	5PXCC007AS3HAA	5PXC008AS3HAA
Indoor coil- Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	2.0 to 4.0	2.0 to 5.0	3.0 to 5.0	3.0 to 5.0
Rows / F.P.I.	3 / 12	3 / 14	3 / 14	3 / 14
Face Area (sq.ft.)	5.0	6.0	6.0	6.0
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	3/4	3/4	3/4
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.)	7/8	7/8	7/8	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	25.75 x 25.5 x 27.66	30.125 x 22 x 27.66	30.125 x 25.5 x 27.66	30.125 x 29 x 27.66
Uncrated	22.5 x 21 x 21.5	26.875 x 17.5 x 21.5	26.875 x 21 x 21.5	26.875 x 24.5 x 21.5
Weight (lbs) Shipping / Net	56 / 48	61 / 53	64 / 56	68 / 60

Notes:

1. These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org
2. Convertible to Horizontal Left or Horizontal Right with kit.

Table 5. Models 5PXCC009AS3HAA and 5PXCD010AS3HAA

Model	5PXCC009AS3HAA	5PXCD010AS3HAA
Indoor coil- Type	Plate Fin	Plate Fin
Cooling Capacity (Tons)	3.0 to 5.0	3.0 to 5.0
Rows / F.P.I.	3 / 16	3 / 16
Face Area (sq.ft.)	7.0	7.0
Tube Size	3/8	3/8
Refrigerant Control	Non-Bleed TXV	Non-Bleed TXV
Internal check valve	Yes	Yes
Drain Conn. Size (in.)	3/4	3/4
Duct Connections	See Outline Drawing	See Outline Drawing
Refrigerant connections	R-454B BRAZED	R-454B BRAZED
Line Size — Gas (in.)	7/8	7/8
Line Size — Liquid (in.)	3/8	3/8
Dimensions (in.)	H x W x D	H x W x D
Crated	34 x 25.5 x 27.66	34 x 29 x 27.66
Uncrated	30.75 x 21 x 21.5	30.75 x 24.5 x 21.5
Weight (lbs) Shipping / Net	73 / 65	77 / 69

Notes:

1. These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org.
2. Convertible to Horizontal Left or Horizontal Right with kit.

Table 6. Models 5PXCBD03AS3HDA, 5PXCBD04AS3HDA, 5PXCCD05AS3HDA, and 5PXCBD06AS3HDA

Model	5PXCBD03AS3HDA	5PXCBD04AS3HDA	5PXCCD05AS3HDA	5PXCBD06AS3HDA
Indoor coil- Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	1.5 to 3.0	2.0 to 3.5	2.0 to 3.5	2.0 to 5.0
Rows / F.P.I.	3 / 14	3 / 12	3 / 12	3 / 14
Face Area (sq.ft.)	3.5	5.0	5.0	6.0
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	3/4	3/4	3/4
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	7/8	7/8	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	20.75 x 22 x 27.66	25.75 x 22 x 27.66	25.75 x 25.5 x 27.66	30.125 x 22 x 27.66
Uncrated	17.5 x 17.5 x 21.5	22.5 x 17.5 x 21.5	22.5 x 21 x 21.5	26.875 x 17.5 x 21.5
Weight (lbs) Shipping / Net	47 / 39	54 / 46	56 / 48	61 / 53

Notes:

1. These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org.
2. Convertible to Horizontal Left or Horizontal Right with kit.



Product Specifications

Table 7. Models 5PXCCD07AS3HDA, 5PXCCD09AS3HDA, and 5PXCCD10AS3HDA

Model	5PXCCD07AS3HDA	5PXCCD09AS3HDA	5PXCCD10AS3HDA
Indoor coil- Type	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	3.0 to 5.0	3.0 to 5.0	3.0 to 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	3/4	3/4
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	30.125 x 25.5 x 27.66	34 x 25.5 x 27.66	34 x 29 x 27.66
Uncrated	26.875 x 21 x 21.5	30.75 x 21 x 21.5	30.75 x 24.5 x 21.5
Weight (lbs) Shipping / Net	64 / 56	73 / 65	77 / 69

Notes:

1. These indoor coils are AHRI certified with various split system air conditioners and heat pumps (AHRI Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org
2. Convertible to Horizontal Left or Horizontal Right with kit.



Performance Data

Table 8. Airflow performance

Pressure drop characteristics for cooling and heat pump coils Airflow (SCFM) 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
5PXCA001AS3HAA	225	340	430	510	585	650	715	775
5PXCA002AS3HAA	300	475	620	750	870	980	1085	1185
5PXC003AS3HAA	350	525	665	790	900	1000	1095	1185
5PXC004AS3HAA	440	655	825	970	1100	1220	1330	1435
5PXCC005AS3HAA	520	775	970	1145	1300	1440	1570	1695
5PXC006AS3HAA	430	645	815	965	1095	1220	1335	1445
5PXCC007AS3HAA	510	760	965	1140	1300	1445	1580	1710
5PXCD008AS3HAA	580	870	1100	1305	1485	1650	1805	1950
5PXCC009AS3HAA	490	740	945	1120	1280	1425	1565	1695
5PXCD010AS3HAA	555	835	1065	1265	1445	1615	1770	1915
5PXCBD03AS3HDA	340	510	645	760	870	965	1055	1140
5PXCBD04AS3HDA	435	645	810	950	1080	1200	1305	1410
5PXCCD05AS3HDA	510	760	955	1125	1275	1415	1540	1665
5PXCBD06AS3HDA	405	605	765	905	1035	1150	1255	1360
5PXCCD07AS3HDA	480	715	910	1075	1225	1360	1490	1610
5PXCCD09AS3HDA	480	720	920	1095	1250	1395	1525	1655
5PXCCD10AS3HDA	540	815	1040	1235	1410	1575	1725	1870

[illegible]



Mechanical Specifications

General

The dedicated Upflow and Downflow coils are designed for cooling and heat pump applications. The coil uses 3/8-inch seamless aluminum tubing mechanically bonded to aluminum plate fin.

Refrigerant for the PXC is controlled with a factory installed Non-Bleed TXV refrigerant control. Refrigerant connections are brazed fittings.

The coil cabinet has a removable front and interior access panel for evaporator coil entering air surface cleaning. These coils are AHRI certified with Trane and American Standard's matching condensing units.



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