

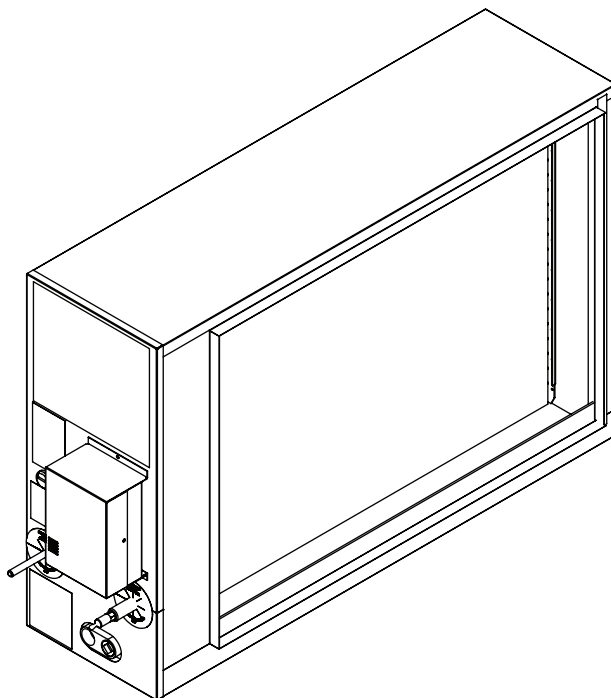


Product and Submittal Data

Aluminum Cased Horizontal Flat, Heat Pump / Cooling Coils 2 to 5 Ton

Heat Pump / Cooling Coils for R-454B Refrigerant

**Cased Horizontal Flat,
Heat Pump / Cooling Coils**
5PXFH001AC3HHA
5PXFH004AC3HHA
5PXFH007AC3HHA



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
22-2005-1*-EN	Aluminum Cased Horizontal Flat, Heat Pump / Cooling Coils 2 - 5 Ton Product Data
5PXFH-AC-SUB-1*-EN	1.5 - 5 Ton Comfort Coils, Split System Aluminum Cased Horizontal Flat, Heat Pump / Cooling Coils Submittal



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Model Number Description

Example Model Number: 5PXFH001AC3HHA

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)

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

D = Downflow, convertible to Horizontal Right

Digit 7, 8 — Nominal Capacity in 1000's (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



Product Specifications

Table 2. Models 5PXFH001AC3HHA, 5PXFH004AC3HHA, and 5PXFH007AC3HHA

Model	5PXFH001AC3HHA	5PXFH004AC3HHA	5PXFH007AC3HHA
Rated Capacity Range (Tons)	1.5 to 3.0	2.0 to 3.5	3.0 to 5.0
Indoor Coil - Type	Plate Fin	Plate Fin	Plate Fin
Rows / F.P.I.	3 / 14	3 / 14	4 / 14
Face Area (sq. ft.)	3.67	4.58	4.58
Tube Size (in.)	3/8	3/9	3/10
Refrigerant Control	Non-Bleed Adjustable TXV	Non-Bleed Adjustable TXV	Non-Bleed Adjustable TXV
Drain Connection Size (in.)	3/4 NPT	3/4 NPT	3/4 NPT
Duct Connections (H × D, in.)	21 × 24	21 × 30	21 × 30
Refrigerant Connections	R-454B Brazed	R-454B Brazed	R-454B Brazed
Line Size – Gas (in.)	3/4	3/5	7/8
Line Size - Liquid (in.)	3/8	3/8	3/8
Dimensions (in.)	H × W × D	H × W × D	H × W × D
Crated	27 × 13 × 34	27 × 13 × 40	27 × 13 × 40
Uncrated	23.5 × 10 × 29.5	23.5 × 10 × 35.5	23.5 × 10 × 35.5
Weight (lbs.)			
Shipping	40	47	61
Net	29	44	54

Note: 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



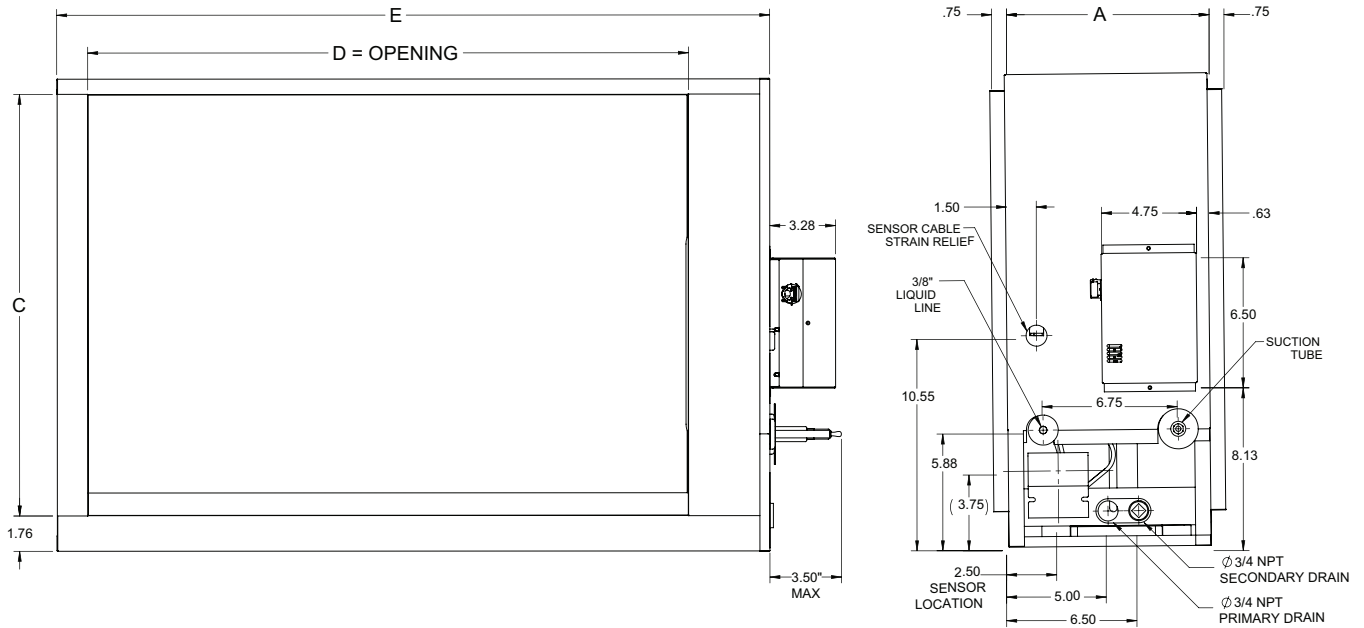
Performance Data

Table 3. Airflow performance

Pressure Drop Characteristics for Cooling and Heat Pump Coils Airflow (CFM) Vs. Pressure Drop Across Wet Coil									
Static Pressure Drop Through Dry Coil (Inches W.C.) CFM									
Model	400	600	800	1000	1200	1400	1600	1800	2000
5PXFH001AC3HHA	0.04	0.06	0.10	0.14	0.18	0.23	0.29	0.35	0.42
5PXFH004AC3HHA	0.03	0.05	0.07	0.10	0.13	0.17	0.20	0.25	0.30
5PXFH007AC3HHA	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.23	0.28

Dimensional Data

Figure 1. Dimensional drawing



Notes:

1. Bottom access panel is hidden to show sensor location.
2. All dimensions are in inches.



LABEL LOCATION

From Dwg: D808584 Rev A

Table 4. Dimensions (inch)

Trane Model Number	A	B	C	D	E	Suction Size
5PXFH001AC3H-HA	10	23.50	21	30	35.50	3/4
5PXFH004AC3H-HA	10	23.50	21	30	35.50	3/4
5PXFH007AC3H-HA	10	23.50	21	30	35.50	7/8



Mechanical Specifications

General

Horizontal coils shall be designed for cooling applications. The coil shall be 3/8-inch seamless copper tubing mechanically bonded to aluminum plate fin.

Refrigerant for the 5PXFH coils shall be controlled with factory installed Non-Bleed Adjustable TXV refrigerant control. 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 drain pan with drain connections.

These coils are AHRI certified with Trane and American Standard's matching condensing units.



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