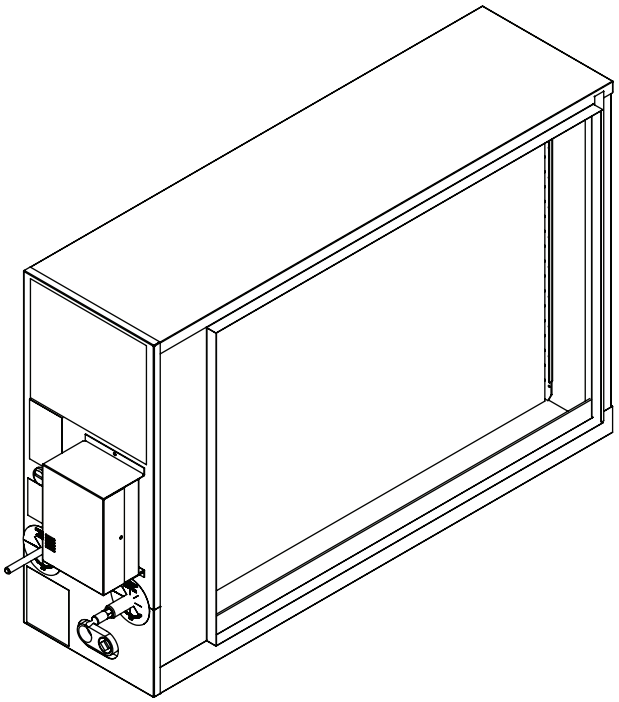
Product and Submittal Data

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
5PXFH005AZ3HHA
5PXFH009AZ3HHA



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

November 2025

COR-PSD009B-EN

Introduction

Copyright

Trademark

Revision History

- Removed Data Notes section
- Updated Performance Data table

Table of Contents

Model Number Description

Example Model Number: 5PXFH005AZ3HHA

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 1. Models 5PXFH005AZ3HHA and 5PXFH009AZ3HHA

Model	5PXFH005AZ3HHA	5PXFH009AZ3HHA
Rated Capacity Range (Tons)	2.0 to 3.5	3.0 to 5.0
Indoor Coil - Type	Plate Fin	Plate Fin
Rows / F.P.I.	4 / 14	4 / 14
Face Area (sq. ft.)	4.58	5.50
Tube Size (in.)	3/8	3/8
Refrigerant Control	Non-bleed TXV	Non-bleed TXV
Drain Connection Size (in.)	3/4 NPT	3/4 NPT
Duct Connections (H × D, in.)	21 × 30	27 × 34
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 × W × D	H × W × D
Crated	27 × 13 × 40	33 × 13 × 44
Uncrated	23.5 × 10 × 35.5	29.5 × 10 × 41.5
Weight (lbs.)		
Shipping	61	70
Net	54	65

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

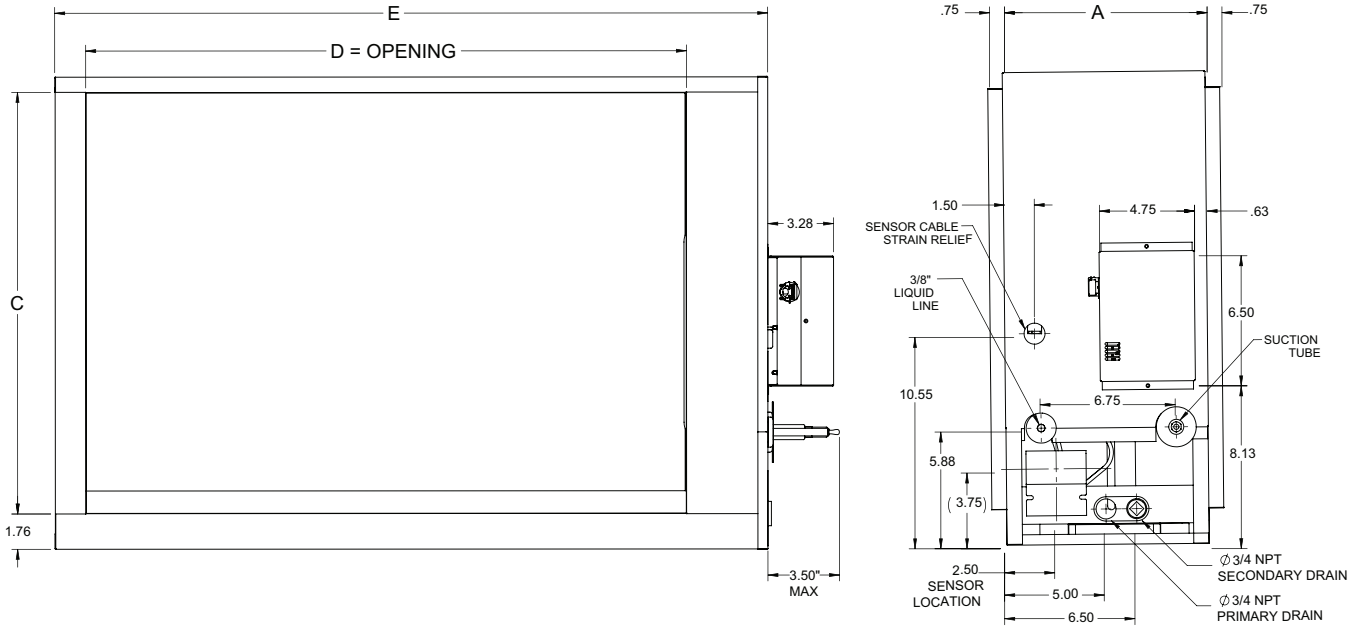
Performance Data

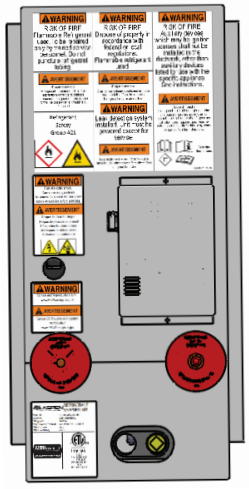
Table 2. Airflow performance

Pressure Drop Characteristics for Cooling and Heat Pump Coils Airflow (CFM) Vs. Pressure Drop Across Dry Coil									
Static Pressure Drop Through Dry Coil (Inches W.C.) CFM									
Model	**400**	**600**	**800**	**1000**	**1200**	**1400**	**1600**	**1800**	**2000**
5PXFH005AZ3HHA	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.23	0.28
5PXFH009AZ3HHA	0.02	0.04	0.06	0.08	0.10	0.13	0.16	0.19	0.23

Dimensional Data

Figure 1. Dimensional drawing





LABEL LOCATION

From Dwg: D808584 Rev A

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

Table 3. Dimensions (inch)

Trane Model Number	A	B	C	D	E	Suction Size
5PXFH005AZ3HHA	10	23.50	21	30	35.50	7/8
5PXFH009AZ3HHA	10	23.50	27	34	41.50	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 high efficiency coils shall be controlled with factory installed Non-Bleed 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.

Notes

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.

Trane has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

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Supersedes COR-PSD009A-EN (July 2025)