Product and Submittal Data

Aluminum Single Stage Cased Coil (Upflow, Downflow, Horizontal) 1.5 to 5 Ton

Heat Pump / Cooling Coils for R-454B

5MXC-Series cased coil models
5MXCA003AC6HCA
5MXCB004AC6HCA
5MXCC005AC6HCA
5MXCB006AC6HCA
5MXCC007AC6HCA
5MXCD008AC6HCA
5MXCC009AC6HCA
5MXCD010AC6HCA



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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
5MXC-SUB-1*-EN	1-1/2-5 Ton Aluminum Single Stage Cased Coil (Upflow/Downflow/Horizontal) 5MXC Series Coils Submittal

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Model Number Description

Example Model Number: 5MXCA003AC6HCA

Digit 1 — Refrigerant Type

4 = R-410A
5 = R-454B

Digit 2 — Series

T = Premium Multi-Poise (Cooling and HP)
P = Premium High Efficiency - Dedicated Position (Cooling and HP)
M = Entry Level (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 — Coil Width (Cased / Uncased)

A = 14.5 inch / 13.3 inch
B = 17.5 inch / 16.3 inch
C = 21.0 inch / 19.8 inch
D = 24.5 inch / 23.3 inch
H = 10.5 inch

Digit 6 — Refrigerant Line Coupling / Airflow Configuration

0 = Brazed
U = Upflow only, convertible to Horizontal Left
D = Downflow only, convertible to Horizontal Right

Digit 7, 8 — Coil Size (01-10) or Nominal Capacity in 1000's (BTUH)

Digit 9 — Major Design Change

Digit 10 — Efficiency

C = Standard
S = High Efficiency (derived from 10 SEER products)
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

Product Specifications

Table 2. Models 5MXCA003AC6HCA, 5MXCB004AC6HCA, 5MXCC005AC6HCA, and 5MXCB006AC6HCA

Model	5MXCA003AC6HCA	5MXCB004AC6HCA	5MXCC005AC6HCA	5MXCB006AC6HCA
Indoor Coil - Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	1.5 - 3.0	1.5 - 3.0	1.5 - 3.0	1.5 - 3.5
Rows / F.P.I.	4 / 17	4 / 17	4 / 17	4 / 17
Face Area (sq.ft.)	3.9	3.9	3.9	5.0
Tube Size	2/7	2/7	2/7	2/7
Refrigerant Control (No internal check valve)	Piston	Piston	Piston	Piston
Drain Connection 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 + THREADED	R-454B BRAZED + THREADED	R-454B BRAZED + THREADED	R-454B BRAZED + THREADED
Line Size - Gas (in.)	3/4	3/4	3/4	3/4
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 (H x W x D)	24–15/16 x 24–3/16 x 22–1/4	24–15/16 x 20–5/8 x 22–1/4	21–3/8 x 20–1/2 x 26–1/2	24–15/16 x 20–5/8 x 28–1/8
Uncrated	20 x 14–1/2 x 21	20 x 17–1/2 x 21	20 x 21 x 21	26 x 17–1/2 x 21
Weight (lbs) Net / Shipping	44 / 48.5	46 / 51	49 / 55	57 / 64

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*

Table 3. Models 5MXCC007AC6HCA, 5MXCD008AC6HCA, 5MXCC009AC6HCA, and 5MXCD010AC6HCA

Model	5MXCC007AC6HCA	5MXCD008AC6HCA	5MXCC009AC6HCA	5MXCD010AC6HCA
Indoor Coil - Type	Plate Fin	Plate Fin	Plate Fin	Plate Fin
Cooling Capacity (Tons)	1.5 - 3.5	3.0 - 3.5	3.0 - 5.0	3.0 - 5.0
Rows / F.P.I.	4 / 17	4 / 17	4 / 14	4 / 14
Face Area (sq.ft.)	5	5	6.1	6.1
Tube Size	2/7	2/7	3/8	3/8
Refrigerant Control (No internal check valve)	Piston	Piston	Piston	Piston
Drain Connection 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 + THREADED	R-454B BRAZED + THREADED	R-454B BRAZED + THREADED	R-454B BRAZED + THREADED
Line Size - Gas (in.)	3/4	3/4	3/4	3/4
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 (H x W x D)	24–15/16 x 24–3/16 x 28–1/8	24–15/16 x 27–9/16 x 28–1/8	24–15/16 x 24–3/16 x 32–5/16	24–15/16 x 27–9/16 x 32–5/16
Uncrated	26 x 21 x 21	26 x 24–1/2 x 21	30 x 21 x 21	30 x 24–1/2 x 21
Weight (lbs) Net / Shipping	59 / 66	64 / 70	82 / 88	86 / 93

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 4. 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**
5MXCA003AC6HCA	307	485	618	729	823	911	991	1063
5MXCB004AC6HCA	327	527	682	810	925	1024	1122	1217
5MXCC005AC6HCA	360	585	748	893	1019	1132	1238	1348
5MXCB006AC6HCA	401	600	773	916	1045	1160	1256	1357
5MXCC007AC6HCA	457	663	856	1019	1156	1277	1394	1502
5MXCD008AC6HCA	496	718	924	1102	1259	1398	1530	1651
5MXCC009AC6HCA	439	699	906	1071	1224	1362	1487	1589
5MXCD010AC6HCA	466	764	978	1157	1313	1466	1590	1695

Dimensional Data

Figure 1. Dimensional drawing

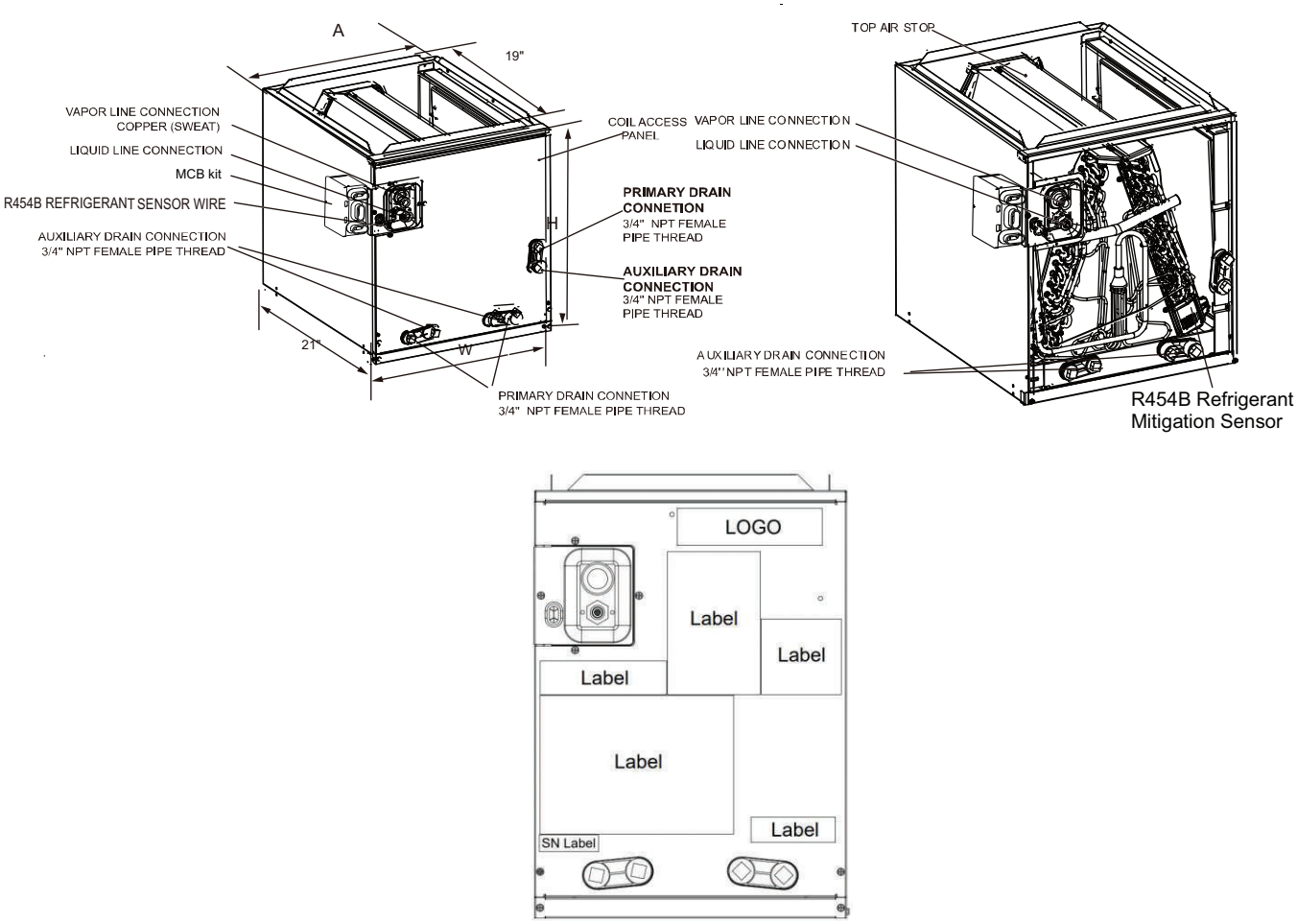


Table 5. Dimensions

Models	Unit Dimensions in. [mm]				Weight lbs. [kg]
	Unit Height "H"	Unit Width "W"	Supply Duct "A"	Liquid Line / Vapor Line	
5MXCA003AC6HCA	20 [508]	14-1/2 [368]	13 [330]	3/8 / 3/4	44 [20]
SMXCB004AC6HCA	20 [508]	17-1/2 [445]	16 [407]	3/8 / 3/4	46 [21]
5MXCC005AC6HCA	20 [508]	21 [533]	19-1/2 [495]	3/8 / 3/4	49 [22]
SMXCB006AC6HCA	26 [660]	17-1/2 [445]	16 [407]	3/8 / 7/8	57 [26]
5MXCC007AC6HCA	26 [660]	21 [533]	19-1/2 [495]	3/8 / 7/8	59 [27]
5MXCD008AC6HCA	26 [660]	24-1/2 [622]	23 [584]	3/8 / 7/8	64 [29]
5MXCC009AC6HCA	30 [762]	21 [533]	19- 1/2 [495]	3/8 / 7/8	82 [37]
5MXCD010AC6HCA	30 [762]	24-1/2 [622]	23 [584]	3/8 / 7/8	86 [39]

Mechanical Specifications

General

Upflow, Downflow, or Horizontal coils shall be designed for cooling and heat pump applications.

Refrigerant for the 5MXC coils shall be controlled with factory installed piston refrigerant control. Refrigerant connections are threaded for liquid line and brazed for vapor line fittings with an additional Schrader Valve for system service.

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

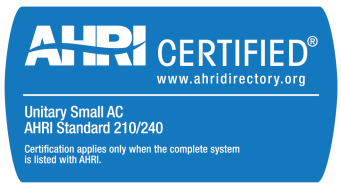
The coil includes a drain pan with drain connections for vertical or horizontal operation and a horizontal auxiliary drain pan.

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

Notes

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com.







The AHRI Certified mark indicates company participation in the AHRI Certification program. For verification of individual certified products, go to ahridirectory.org.

The manufacturer 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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