

Refrigerant Transition Changes: Air Handlers, Coils and Heat Pumps

FEBRUARY 2024

BUILT TO A HIGHER STANDARD
American Standard
HEATING & AIR CONDITIONING

AMERISTAR
BY AMERICAN STANDARD HEATING & AIR



Refrigerant Transition Ready

In alignment with the Low GWP Refrigerant Transition, American Standard Heating and Air Conditioning and Ameristar by American Standard are pleased to announce the first wave of products that support the new R-454B refrigerant. For your reference, the models on this document support the first wave of changes which will include the 15 SEER2 Heat Pumps. Additional models across our equipment portfolio will be released in 2024.

The Coils product family will undergo several changes to support the transition to R-454B refrigerant. In our commitment to safety of our products, a Refrigerant Detection System (RDS) will be added which contains a leak detection sensor and mitigation control board mounted to the coil. The RDS is compatible with any American Standard and Ameristar R454-B system and any furnace. There will be a new factory supplied wire harness running between the RDS (in the coil) and furnace, requiring field connection. Coil nomenclatures will reflect a 1st, 9th, and 14th digit change in the model number.

CURRENT FAMILY	CURRENT MODEL NUMBER	FUTURE FAMILY	FUTURE MODEL NUMBER
4TXC	4TXCA032DS3HCB	5TXC	5TXCA002AS3HCA
	4TXCB004DS3HCC		5TXCB004AS3HCA
	4TXCC007DS3HCB		5TXCC007AS3HCA
	4TXCD010DS3HCB		5TXCD010AS3HCA
	4TXCB006DS3HCA		5TXCB006AS3HCA

The first R-454B outdoor products will be the 4A6H5 15 SEER2 heat pumps. These products will have new compressors to align with R-454B refrigerant, new service valve connection sizes, and new TXV and refrigeration designs that are optimized for maximum performance using the new refrigerant. The chart below represents the new family and models with the new, low GWP refrigerant. For our outdoor products, models will receive a "5" in the first digit of the nomenclature to identify the new refrigerant.

CURRENT FAMILY	CURRENT MODEL NUMBER	FUTURE FAMILY	FUTURE MODEL NUMBER
Silver 15	4A6H5018N1000AA	Silver 15	5A6H5018A1000AA
	4A6H5024N1000AA		5A6H5024A1000AA
	4A6H5030N1000AA		5A6H5030A1000AA
	4A6H5036N1000AA		5A6H5036A1000AA
	4A6H5042N1000AA		5A6H5042A1000AA
	4A6H5048N1000AA		5A6H5048A1000AA
	4A6H5060N1000AA		5A6H5060A1000AA
A4HP5	A4HP5018D1000A	A5HP5	A5HP5018A1000A
	A4HP5024D1000A		A5HP5024A1000A
	A4HP5030D1000A		A5HP5030A1000A
	A4HP5036D1000A		A5HP5036A1000A
	A4HP5042D1000A		A5HP5042A1000A
	A4HP5048D1000A		A5HP5048A1000A
	A4HP5060D1000A		A5HP5060A1000A



Please visit the Refrigerant Transition Playbook for the latest information and resources to support the transition.

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The Air Handler product category will undergo changes to support R-454B refrigerant, including the addition of a Refrigerant Detection System (RDS) as well as new expansion valves optimized for R-454B refrigerant. Also, there is a notable change in premium nomenclature in the 6th through 10th digits to simplify distinguishing features and to better align with coils and furnaces. For value, these changes are between the 5th and 8th digits.

CURRENT FAMILY	CURRENT MODEL NUMBER	FUTURE FAMILY	FUTURE MODEL NUMBER
TEM6	TEM6A0B30H21SC	5TEM6	5TEM6B03AV21SA
	TEM6A0C36H31SC		5TEM6D04AV31SA
	TEM6A0C48H41SC		5TEM6D06AV41SA
	TEM6B0C60H51SA		5TEM6D07AV51SA
A4AH5	A4AH5V30A1B30A	A5AHV	A5AHV003A1B30A
	A4AH5V36A1C30A		A5AHV004A1D30A
	A4AH5V48A1C30A		A5AHV006A1D30A
	A4AH5V60A1C30A		A5AHV007A1D30A

Revised Air Handler Nomenclatures

American Standard

R-454B Air Handler

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Refrigerant _____ 5 I A M X B Q 2 A V 2 1 D A A

Brand _____ T = American Standard

Product Type _____ A = ForeFront Air Handler
E = Metal Air Handler

Convertability _____ M = Multi-poise 4-way

Product Tier _____ X = Communicating or 24v TAM
4 = 24v Entry Level
6 = 24v Mid-Tier
8 = High-Tier Communicating or 24v

1 Cabinet Width _____ B = ForeFront: 17.5"; TEM: 18.5"
C = ForeFront: 21.3"; TEM: N/A
D = ForeFront: 23.5"; TEM: 23.5"

2 Cooling Capacity - 1,000 BTUs _____ 01 = 18 - 24K 05 = 36 - 48K
02 = 18 - 24K 06 = 36 - 60K
03 = 18 - 30K 07 = 42 - 60K
04 = 24 - 42K

Major Modification _____

3 Airflow Type & Capability _____ C = CTM
V = Variable Speed

Nominal Airflow Tonnage _____ 2 = 2 Tons 4 = 4 Tons
3 = 3 Tons 5 = 5 Tons

Power Supply _____ 1 = 206 - 230/1/60
2 = Dual Voltage (120 or 230)

Control Type _____ S = 24V 3 = 3-Phase
D = Link or 24V

Minor Design Change _____

Service Digit _____

Ameristar

R-454B Air Handler

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Brand _____ A = Ameristar

Refrigerant _____ 5 = R-454B

Product Type _____ AH = Air Handler

3 Blower Type _____ C = Constant Torque
V = Variable Speed

2 Coil Size _____ 001 = 18 - 24K
002 = 18 - 24K
003 = 18 - 30K
004 = 24 - 42K
005 = 36 - 48K
006 = 36 - 60K
007 = 42 - 60K

Major Modification _____

Power Supply _____ 1 = 208-230/1/60

1 Cabinet Width _____ B = 18.5"
C = 21.3"
D = 23.5"

Refrigerant Control _____ 3 = TXV
6 = FCCV

Placeholder _____

Minor Design Change _____

Service Digit - Not Orderable _____

- 1 Cabinet width designators now align more closely to furnace designators to help synchronize across platforms
- 2 Cooling capacity changed to be numerical to help encourage the best system match, regardless of nominal capacity
- 3 Motor type simplified to just Constant Torque and Variable Speed, making it easy to distinguish product type