

Product Bulletin

Date	Subject	Department
3/24/2025	Crossover Evaporator Coil Launch	Product Marketing
Bulletin Number	Product Model Number(s)	Author Name/Email
PB-25-28	D5FULA Cased Coil & Communicating Interface KSACN1501AAA Controller	Manish Chhabra manish.chhabra@carrier.com

ICP's Crossover System: **New R-454B Evaporator Coil**

The ICP team will introduce a new evaporator coil to its Crossover line of products. This new cased evaporator coil with included communicating interface and controller will be compatible with the D5CURA and D5CUHA Heat Pump, allowing for an AHRI rated coil-only combination. This new family of products will be available to order in May 2025. The D5FULA coil and KSACN1501AAA will be available through our warehouses and through the container-Direct program.

Evaporator Coil



Wired Controller & Coil Interface



Figure 1: Evaporator Cased Coil & Included Accessories

Key Features:

- Will work with virtually any furnace (*some restrictions may apply*)
- Wired controller & coil interface come standard with the equipment.
- Available in 1.5-ton, 2-ton, 2.5 ton, 3 ton, 4 ton & 5 ton
- Up to 16.1 SEER2 / 11.7 EER2 / 10 HSPF2
- Multi poise installation – Vertical – up flow & downflow, Horizontal – right & left.
- Up to COP 2.2 at 5°F
- Coil only works with **R-454B refrigerant** and has factory installed leak mitigation system.
- The Wired Controller is programable and has built-in Wi-Fi.
- New and improved coil interface, smaller in size, powered from 24V AC from the furnace, enables communication with outdoor unit (S1, S2) , wired controller (Ha/ Hb), sensors on evaporator coil, and furnace.

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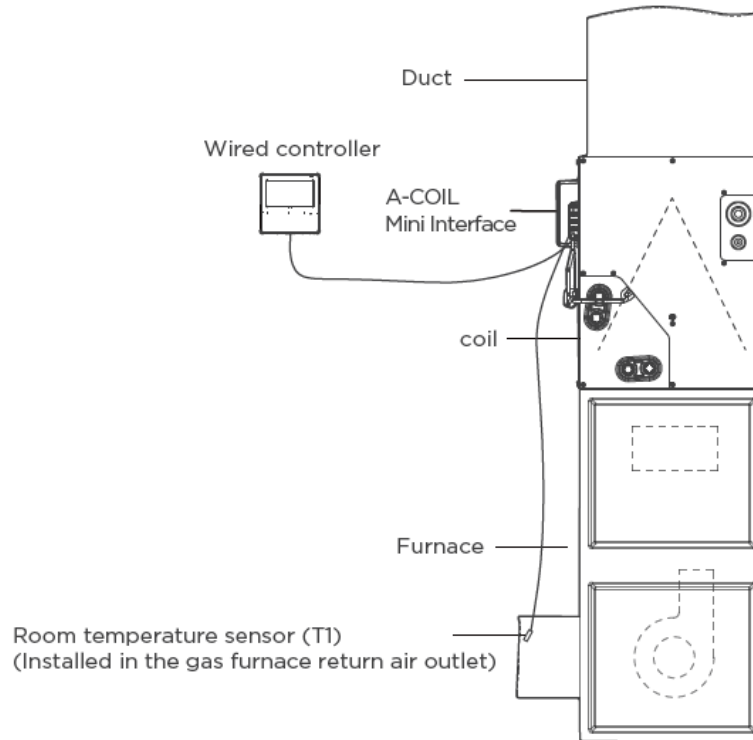
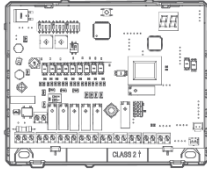


Figure 2: Illustration of Indoor System Vertical Up flow Install example

Cased Evaporator Coil		<table><tr><td>D5FULAH24XAX</td></tr><tr><td>D5FULAH24XBX</td></tr><tr><td>D5FULAH36XAX</td></tr><tr><td>D5FULAH36XBX</td></tr><tr><td>D5FULAH36XCX</td></tr><tr><td>D5FULAH60XMX</td></tr><tr><td>D5FULAH60XDX</td></tr></table>	D5FULAH24XAX	D5FULAH24XBX	D5FULAH36XAX	D5FULAH36XBX	D5FULAH36XCX	D5FULAH60XMX	D5FULAH60XDX
D5FULAH24XAX									
D5FULAH24XBX									
D5FULAH36XAX									
D5FULAH36XBX									
D5FULAH36XCX									
D5FULAH60XMX									
D5FULAH60XDX									
Required Included Accessories	 Wall controller KSACN1501AAA	 Coil Interface							

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Evaporator Coil: Dimensions & Weight *(for reference only, please refer to Product data for official specifications)*

Model No:		D5FULAH24 XAX	D5FULAH2 4XBX	D5FULAH3 6XAX	D5FULAH36 XBX	D5FULAH36 XCX	D5FULAH60 XMX	D5FULAH 60XDX
Width (W)	in (mm)	14.49(368)	17.52(445)	14.49(368)	17.52(445)	21.02(534)	21.61(549)	24.49(622)
Height (H)	in (mm)	17.99(457)	17.99(457)	23.31(592)	23.58(599)	24.06(611)	27.8(706)	27.99(711)
Depth (D)	in (mm)	21(533.4)	21(533.4)	21(533.4)	21(533.4)	21(533.4)	21.5(546)	21(533.4)
Weight - Net	lbs. (kg)	41.89(19)	41.89(19)	56.88(25.8)	59.52(27)	64.37(29.2)	96.78(43.9)	81.13(36.8)
Packaging								
Width	in (mm)	17.52(445)	20.47(520)	17.52(445)	20.47(520)	24.02(610)	31.69(805)	27.76(705)
Height	in (mm)	20.67(645)	20.87(665)	25.98(645)	26.38(665)	26.97(665)	26.57(650)	30.31(665)
Depth	in (mm)	25.39(525)	26.18(530)	25.39(660)	26.18(670)	26.18(685)	25.59(675)	26.18(770)
Weight- Gross	lbs. (kg)	49.6(22.5)	49.6(22.5)	64.81(29.4)	68.12(30.9)	74.07(33.6)	115.08(52.2)	92.37(41.9)

Included Accessories Dimensions: *(for reference only, please refer to Product data for official specifications)*

	Width (in.)	Height (in.)	Depth (in.)
Coil Interface	6.37	5.19	1.77
Controller	4.72	4.72	0.81

Unit: in(mm)

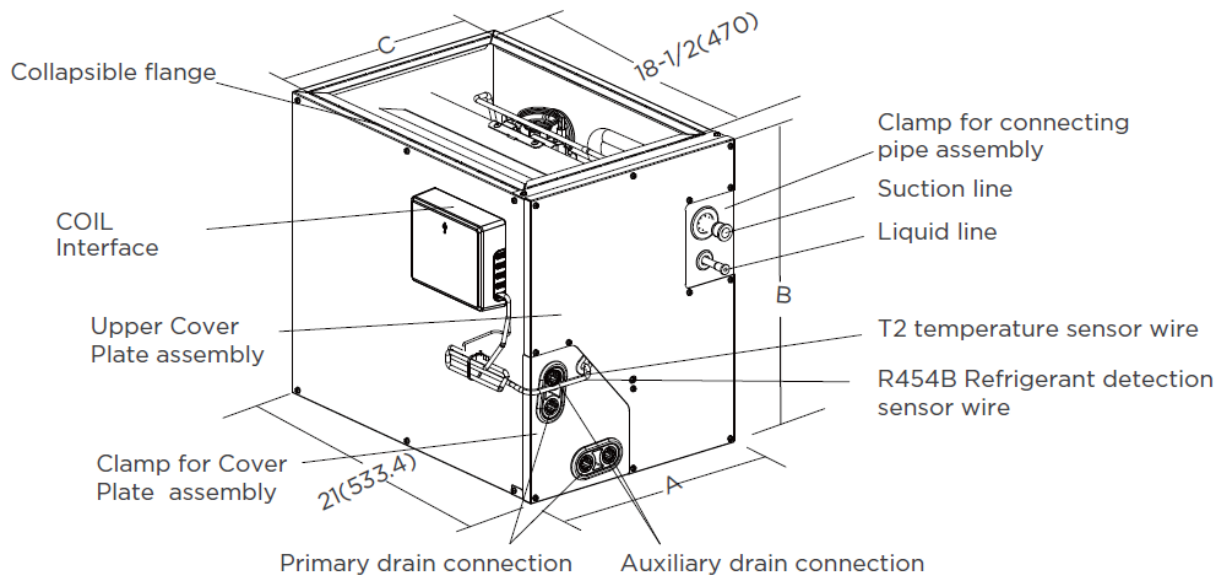


Figure 3 D5FULAH (A-Coil)

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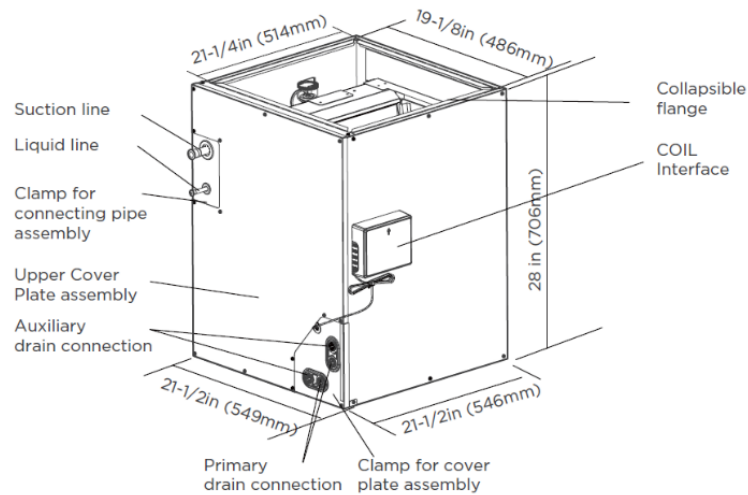
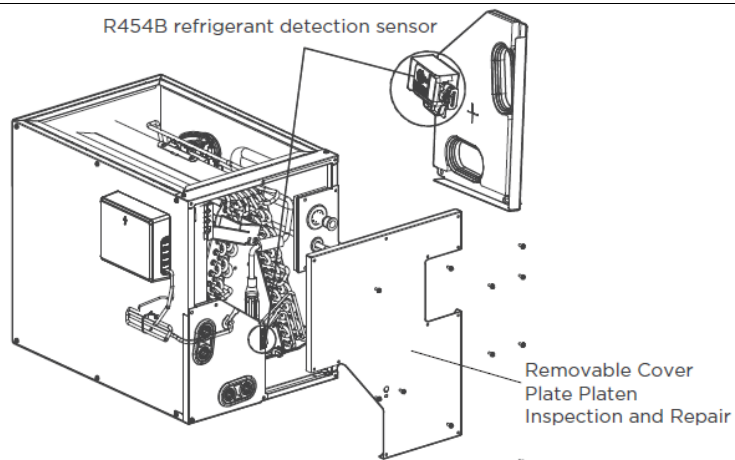
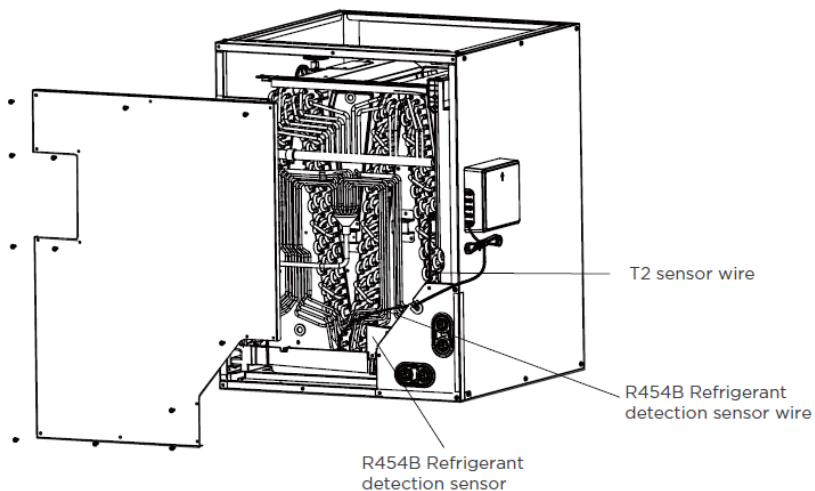


Figure 4 D5FULAH60XDX (M-Coil)



D5FULA (A-Coil)



D5FULAH60XDX (M-Coil)

Figure 5 Coil Refrigerant Detection Sensor

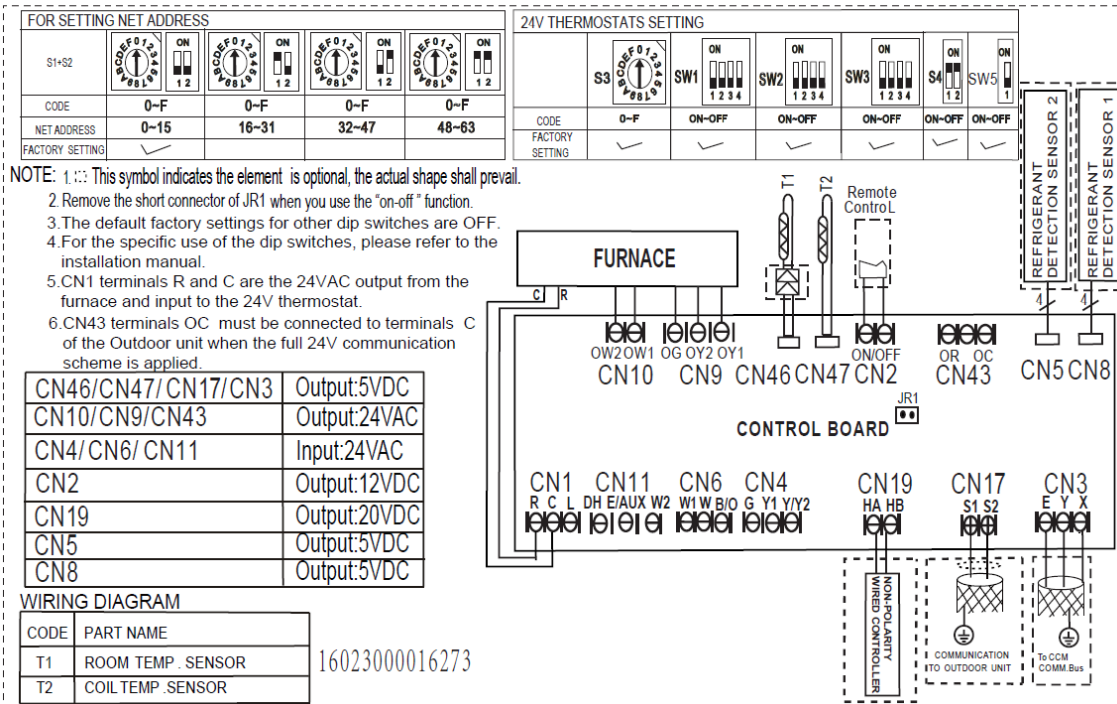
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Preliminary Performance Ratings *for reference only, please refer to AHRI for official ratings)*

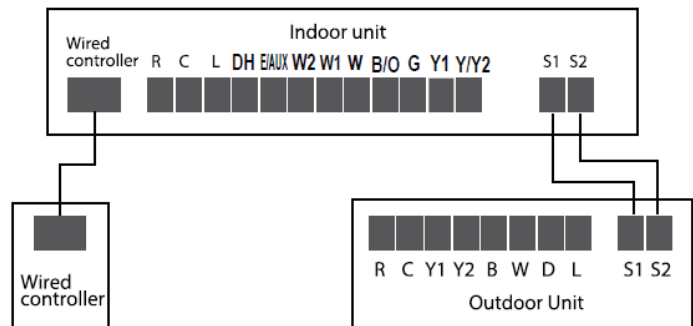
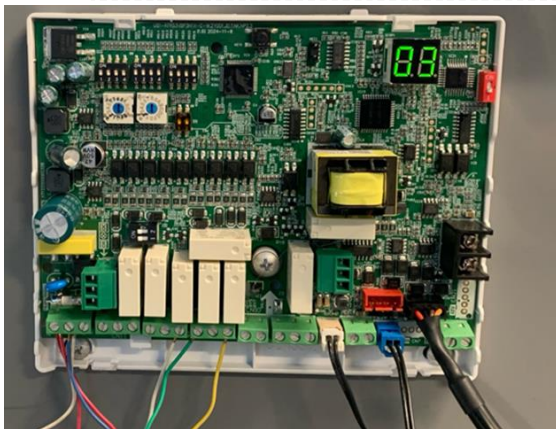
	Outdoor Unit	Series	Coil Size	Cooling Capacity (Afull)	Heating Capacity (H1Full)	SEER 2	EER2 (Afull)	HSPF2 (Region IV)	5°F Heat (H42)	5°F COP (H42)	5°F Heat(H42) / Heating Capacity (H1Full)
18k	D5CUHAH18AAK	D5FULAH24XAX	14.5x21"x18"	18000	19000	16.1	11.7	9.5	1800	2.06	94.74%
	D5CUHAH18AAK	D5FULAH24XBX	17.5x21"x18"x21	18000	19000	16.1	11.7	9.5	1800	2.06	94.74%
	D5CURAH18AAK	D5FULAH24XAX	14.5x21"x18"	18000	18000	16.0	10.2	8.6	1080	1.80	60.00%
	D5CURAH18AAK	D5FULAH24XBX	17.5x21"x18"	18000	18000	16.0	10.2	8.6	1080	1.80	60.00%
24k	D5CUHAH24AAK	D5FULAH24XAX	14.5 "x21"x18"	24000	25000	16.0	10.0	9.5	2100	1.80	84.00%
	D5CUHAH24AAK	D5FULAH24XBX	17.5 "x21"x18"	24000	25000	16.0	10.0	9.5	2100	1.80	84.00%
	D5CURAH24AAK	D5FULAH24XAX	14.5 "x21"x18"	24000	25000	16.0	10.0	9.5	2100	1.80	84.00%
	D5CURAH24AAK	D5FULAH24XBX	17.5 "x21"x18"	24000	25000	16.0	10.0	9.5	2100	1.80	84.00%
30k	D5CUHAH30AAK	D5FULAH36XAX	14.5"x21"x24"	30000	30000	15.3	10.0	9.3	3040	1.80	101.33%
	D5CUHAH30AAK	D5FULAH36XBX	17.5"x21"x24"	29000	32000	16.0	10.0	10.0	3300	1.90	103.13%
	D5CUHAH30AAK	D5FULAH36XCX	21"x21"x24"	29000	32000	16.0	10.0	10.0	3300	1.90	103.13%
	D5CURAH30AAK	D5FULAH36XAX	14.5"x21"x24"	29000	29000	15.0	9.8	8.0	1900	1.80	65.52%
	D5CURAH30AAK	D5FULAH36XBX	17.5"x21"x24"	29000	31000	15.4	10.0	8.5	1900	1.90	61.29%
	D5CURAH30AAK	D5FULAH36XCX	21"x21"x24"	29000	32000	15.4	10.0	8.5	1900	1.90	59.38%
36k	D5CUHAH36AAK	D5FULAH36XAX	14.5"x21"x24"	36000	37000	15.2	10.2	9.0	3100	1.80	83.78%
	D5CUHAH36AAK	D5FULAH36XBX	17.5"x21"x24"	36000	38000	16.0	10.7	9.4	3600	1.90	94.74%
	D5CUHAH36AAK	D5FULAH36XCX	21"x21"x24"	36000	38000	16.0	10.7	9.4	3600	1.90	94.74%
	D5CURAH36AAK	D5FULAH36XAX	14.5"x21"x24"	34000	36000	14.3	9.0	8.5	2720	1.83	75.56%
	D5CURAH36AAK	D5FULAH36XBX	17.5"x21"x24"	36000	36000	14.8	10.2	8.7	2720	1.90	75.56%
	D5CURAH36AAK	D5FULAH36XCX	21"x21"x24"	36000	36000	14.8	10.2	8.7	2720	1.90	75.56%
48k	D5CUHAH48AAK	D5FULAH60XM	21"x 21"x28"	45000	48000	15.2	10.0	8.8	4200	1.85	87.50%
	D5CUHAH48AAK	D5FULAH60XDX	24.5"x21"x28"	45000	50000	14.5	10.0	8.4	4200	1.85	84.00%
	D5CURAH48AAK	D5FULAH60XM	24.5"x21"x28"	47000	47000	14.7	9.5	9.2	4000	1.75	85.11%
	D5CURAH48AAK	D5FULAH60XDX	24.5"x21"x28"	45000	45000	14.7	9.5	7.5	4000	1.75	88.89%
60k	D5CUHAH60AAK	D5FULAH60XM	24.5"x21"x28"	52000	56000	16.0	10.0	8.5	4500	1.80	80.36%
	D5CUHAH60AAK	D5FULAH60XDX	24.5"x21"x28"	47000	58000	15.2	10.0	8.1	4300	1.83	74.14%
	D5CUHAH60AAK	D5FULAH60XDX	24.5"x21"x28"	53000	58000	14.5	8.8	8.1	4300	1.83	74.14%
	D5CURAH60AAK	D5FULAH60XM	24.5"x21"x28"	50000	50000	14.5	8.5	7.5	4000	1.75	80.00%
	D5CURAH60AAK	D5FULAH60XDX	24.5"x21"x28"	50000	49000	14.3	8.1	7.3	4000	1.75	81.63%

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WIRING DIAGRAM



Full communication.



KEY LAUNCH ITEMS

DATE

Product Bulletin	Mar, 2025
Pricing	April, 2025
Open for Orders	May, 2025
Installation/Owners Manuals	May, 2025
Product Data/Submittals	Jun, 2025

Note: All dates listed are deemed reliable, but subject to change. For confirmation of any change, contact your RSM.

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Bulletin Change Tracker

Version	Date Published	Changes Made
V1	3/24/2025	--