

# Item # FRA13NY24AJ1NA, Endeavor® Line F-Series™ Series 2 ton 13.4 SEER2 Single-Stage iM Air Conditioner- 208/230/1/60

- Cooling Efficiency: 13.4 SEER2 / 9 EER2
- Refrigerant Type: R-454B
- Nominal Sizes: 1.5 to 5 Tons [TBD kW]
- Cooling Capacities: 17.1 to 55.5 kBTU
- Sound Ranking<sup>1</sup>: As low as 68 dB
- EcoNet® Enabled: No
- Compressor Type<sup>2</sup>: Single Stage
- Condenser Coil Type<sup>3</sup>: 7mm
- PlusOnes:
  - PlusOne® Expanded Valve Space: Provides a minimum working area of 27-sqaure inches
  - PlusOne Triple Service Access : 15 in. wide industry leading corner service access, two fastener removeable corner and easily removeable individual louver


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[Specifications](#) | [Electrical Data](#) | [Outdoor Coil](#) | [Outdoor Fan](#) | [Cooling Performance](#) | [Dimensions](#) | [Features](#)

## Specifications

<b>Type</b>	Heat Pump
<b>Nominal Capacity</b>	24000 Btu/h 7.03 kW 2.0 TR

<b>Refrigerant Type</b>	R-454B
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<b>Refrigerant Furnished oz.</b>	72
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<b>Compressor Type</b>	Scroll
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<b>Sound Level</b>	70 dB
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<b>Weight</b>	141 lb
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## Electrical Data

<b>Voltage</b>	208 to 230 V
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<b>Number of Phases</b>	1
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<b>Frequency</b>	60 Hz
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<b>Maximum Overcurrent Protection</b>	20 A
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<b>Minimum Circuit Ampacity</b>	14 A
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<b>Compressor - Rated Load Amps</b>	10.3 A
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<b>Compressor - Locked Rotor Amps</b>	60.2 A
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<b>Condenser Fan Motor - Full Load Amps</b>	0.8 A
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<b>Condenser Fan Motor - Locked Rotor Amps</b>	1.5 A
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## Outdoor Coil

<b>Net Face Area - Outer Coil</b>	10.9 ft <sup>2</sup>
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<b>Tube Diameter</b>	0.276 in
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<b>Number of Rows</b>	1
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<b>Fins per Inch</b>	24
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## Outdoor Fan

<b>Outdoor Fan Diameter</b>	20 in
<b>Number of Blades</b>	2
<b>Motor HP</b>	1/7 hp
<b>CFM</b>	1765 ft <sup>3</sup> /min
<b>RPM</b>	1075
<b>Watts</b>	154 W

## Cooling Performance

<b>Air Handler</b>	RCFY2417MTAN
<b>Total Capacity</b>	22800 Btu/h 6.7 kW
<b>Net Sensible Capacity</b>	17500 Btu/h 5.1 kW
<b>Net Latent Capacity</b>	5300 Btu/h 1.6 kW
<b>SEER2</b>	13.4
<b>EER2</b>	9.0
<b>Indoor CFM</b>	1750 ft <sup>3</sup> /min 354.0 L/s

## Dimensions

<b>Depth</b>	29.75 in 756 mm
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<b>Width</b>	29.75 in 756 mm
<b>Height</b>	25.00 in 635 mm
<b>Shipping Depth</b>	32.38 in 822 mm
<b>Liquid Line O.D.</b>	3/8 in
<b>Suction Line O.D.</b>	3/4 in

## Features

- **7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **PlusOne® Expanded Valve Space:** 3 in. – 4 in. – 5 in. service valve space – provides a minimum working area of 27-square inches for easier access
- **PlusOne® Triple Service Access:** 15 in. wide, industry leading corner service access, two fastener, removeable corner and individual louver panels – makes repairs easier and faster
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%2 lower GWP than previous-generation refrigerants — with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort
- **PlusOne® Refrigerant Detection System™3:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation — if excess refrigerant is detected