

Item # FRA13NY42AJ1NA, Endeavor® Line F-Series™ Series 3 1/2 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 Ranking¹: As low as 68 dB
- EcoNet® Enabled: No
- Compressor Type²: Single Stage
- Condenser Coil Type³: 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

Type	Heat Pump
Nominal Capacity	42000 Btu/h 12.31 kW 3.5 TR

Refrigerant Type	R-454B
Refrigerant Furnished oz.	112
Compressor Type	Scroll
Sound Level	68 dB
Weight	217 lb

Electrical Data

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Voltage	208 to 230 V
Number of Phases	1
Frequency	60 Hz
Maximum Overcurrent Protection	35 A
Minimum Circuit Ampacity	23 A
Compressor - Rated Load Amps	17.3 A
Compressor - Locked Rotor Amps	123.0 A
Condenser Fan Motor - Full Load Amps	0.8 A
Condenser Fan Motor - Locked Rotor Amps	1.5 A

Outdoor Coil

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Net Face Area - Outer Coil	14.3 ft ²
Net Face Area - Inner Coil	13.9 ft ²
Tube Diameter	0.276 in

Number of Rows	2
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Fins per Inch	24
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Outdoor Fan

Outdoor Fan Diameter	24 in
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Number of Blades	3
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Motor HP	1/5 hp
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CFM	2758 ft ³ /min
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RPM	825
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Watts	145 W
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Cooling Performance

Air Handler	RCFY4821STAN
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Total Capacity	40000 Btu/h 11.7 kW
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Net Sensible Capacity	30700 Btu/h 9 kW
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Net Latent Capacity	9300 Btu/h 2.7 kW
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SEER2	13.4
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EER2	9.0
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Indoor CFM	1300 ft ³ /min 613.5 L/s
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Dimensions

Depth	33.75 in 857 mm
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Width	33.75 in 857 mm
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Height	27 in 686 mm
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Shipping Depth	36.38 in 924 mm
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Liquid Line O.D.	3/8 in
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Suction Line O.D.	7/8 in
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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