

# Airframe 3 ZONE 33,500 BTU (12K+12K+9.5K) 24 SEER2 230V Ceiling Cassette Mini-Split Heat Pump System

**Model** 2× ZDIY-CC-12I + ZDIY-CC-9I + ZDIY-CC-27O | **Type** Ceiling Cassette, 3-zone | **Manufacturer** Zone Air (BNZ Distributing LLC) | **Product page** <https://zone-air.com/products/3-zone-33k-ceiling-cassette-system/>

**\$4,909.99** ~~\$7,299.99~~ **SAVE \$2,390**

|                                         |                   |                                |                               |                            |                              |                               |
|-----------------------------------------|-------------------|--------------------------------|-------------------------------|----------------------------|------------------------------|-------------------------------|
| CONNECTED CAPACITY<br><b>33,500 BTU</b> | ZONES<br><b>3</b> | COVERAGE<br><b>1,675 sq ft</b> | EFFICIENCY<br><b>24 SEER2</b> | VOLTAGE<br><b>208-230V</b> | REFRIGERANT<br><b>R-454B</b> | HEATS DOWN TO<br><b>-13°F</b> |
|-----------------------------------------|-------------------|--------------------------------|-------------------------------|----------------------------|------------------------------|-------------------------------|

The Airframe 3 ZONE 33,500 BTU (12K+12K+9.5K) 24 SEER2 230V Ceiling Cassette Mini-Split Heat Pump System is a 3-zone ceiling cassette DIY ductless mini-split heat pump sold direct by Zone Air (BNZ Distributing LLC) at \$4,909.99, down from \$7,299.99. It delivers 33,500 BTU and is rated for spaces up to 1,675 sq ft (600+600+475, 3 zones), at 24 SEER2 on 208-230V. It ships pre-charged with R-454B refrigerant and uses quick-connect fittings, so installation requires no vacuum pump, no refrigerant handling, and no EPA Section 608 certification — a homeowner can install it and the factory warranty still applies. Heating operates from -13°F to 131°F. All Zone Air 3-zone systems share one 27,000 BTU/h outdoor condenser; the 33,500 BTU figure is connected indoor capacity, not outdoor unit capacity. Pre-charged quick-connect linesets are ordered separately in 16–50 ft lengths.

## SPECIFICATIONS

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Connected Indoor Capacity           | 33,500 BTU/h (12,000 + 12,000 + 9,500) |
| Per Zone Capacity                   | 12,000 / 12,000 / 9,500 BTU/h          |
| Outdoor Unit Rated Cooling Capacity | 27,000 BTU/h (4,500-31,000 range)      |
| Outdoor Unit Rated Heating Capacity | 28,000 BTU/h (4,500-33,000 range)      |
| Number of Zones                     | 3                                      |
| Indoor Units                        | 3× ceiling cassette units (24" × 24")  |
| SEER2 Rating                        | 24                                     |
| EER2 Rating                         | 12.0                                   |
| HSPF2 (Region IV/V)                 | 10.5 / 8.8                             |
| Voltage                             | 208-230V / 60Hz                        |
| Breaker Needed                      | 30A (double-pole)                      |
| Operating Temperature               | -13°F to 131°F                         |
| Sound Level (per unit)              | 28–42 dB                               |
| Outdoor Sound Level                 | 62 dB(A)                               |
| Outdoor Unit Dimensions (WxDxH)     | 38-1/2" x 16-1/2" x 31-5/8"            |
| Outdoor Unit Weight                 | 119 lbs                                |
| Air Distribution                    | 4-way (360°) per unit                  |
| Refrigerant Type                    | R454B (pre-charged)                    |

## DIY INSTALLATION REQUIREMENTS

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Refrigerant                    | R454B (pre-charged)                               |
| Lineset connection             | Quick-connect fittings — no flaring, no brazing   |
| Vacuum pump required           | No                                                |
| EPA 608 certification required | No                                                |
| Installed by homeowner         | Yes — DIY installation does not void the warranty |
| Lineset                        | Sold separately (16–50 ft per zone)               |
| Electrical circuit             | 30A (double-pole)                                 |

## WARRANTY & RETURNS

|                            |                            |
|----------------------------|----------------------------|
| Parts                      | 5 years                    |
| Compressor                 | 7 years                    |
| Remote                     | 1 year                     |
| DIY install voids warranty | No                         |
| Registration deadline      | None required              |
| Coverage area              | United States & Canada     |
| Returns                    | 30 days, uninstalled, RMA  |
| Restocking fee             | 25% + return freight       |
| Shipping                   | Free, 48 contiguous states |

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## COMMON QUESTIONS

### Does installing it yourself void the warranty?

No. Zone Air’s limited warranty — 5 years parts, 7 years compressor, 1 year remote — is not conditional on professional installation and is not gated on registering within any number of days. It covers the original purchaser with proof of purchase in the US and Canada, and is void only if the system is relocated.

### Do I need a vacuum pump or EPA certification?

No. The system ships pre-charged with R-454B refrigerant and connects with quick-connect fittings, so no refrigerant is handled during installation. No vacuum pump, micron gauge, or EPA Section 608 certification is required.

### What outdoor unit does the 3-zone system use?

A single 27,000 BTU/h Zone Air multi-zone condenser (4,500–31,000 BTU/h cooling range). It accepts up to 36,000 BTU/h of connected indoor capacity, which is why the 33,500 BTU in the product name — the indoor heads added together — can exceed the outdoor rating. Each zone is controlled independently.