

Airframe 12,000 BTU 21 SEER2 230V Ceiling Cassette Mini-Split Heat Pump AC

Model ZDIY-CC-12I + ZDIY-CC-12O | **Type** Ceiling Cassette | **Manufacturer** Zone Air (BNZ Distributing LLC) | **Product page** <https://zone-air.com/products/zone-12k-ceiling-cassette-mini-split/>

\$2,569.99 ~~\$3,299.99~~ **SAVE \$730**

RATED CAPACITY	COVERAGE	EFFICIENCY	VOLTAGE	REFRIGERANT	HEATS DOWN TO
12,000 BTU	600 sq ft	21.0 SEER2	208~230V	R-454B	-13°F

The Airframe 12,000 BTU 21 SEER2 230V Ceiling Cassette Mini-Split Heat Pump AC is a ceiling cassette DIY ductless mini-split heat pump sold direct by Zone Air (BNZ Distributing LLC) at \$2,569.99, down from \$3,299.99. It delivers 12,000 BTU and is rated for spaces up to 600 sq ft, at 21.0 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. Pre-charged quick-connect linesets are ordered separately in 16–50 ft lengths.

SPECIFICATIONS

Cooling Rated Capacity	12,000 BTU/h
Heating Rated Capacity	12,000 BTU/h
Recommended Room Size	350~600 sq ft
Cooling SEER2	21.0
Cooling EER2	11.7
Heating HSPF2 (Region IV/V)	10.0 / 8.9
Heating COP2 (47°F/5°F)	3.5 / 1.9
Power Supply	208~230V, 60Hz, 1Ph
Breaker Needed	15A (double-pole)
Indoor Sound Level (Turbo/Hi/Med/Lo/Mute)	46 / 44 / 36 / 32 / 30 dB(A)
Outdoor Sound Level	52 dB(A)
Indoor Unit Dimensions (WxDxH)	22-1/2" x 22-1/2" x 9-5/8"
Outdoor Unit Dimensions (WxDxH)	31-7/8" x 12" x 21-5/8"
Outdoor Unit Weight	58.4 lbs
Air Distribution	4-way (360°)
Cooling Capacity Range	2,000~13,600 BTU/h
Heating Capacity Range	3,100~12,700 BTU/h
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	15A (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.

How cold can it run in heating mode?

Heating operates down to -13°F. The system is ENERGY STAR certified and NEEP cold-climate listed.