ecoer
Comfort. Perfected.

Ecoer RTi 2
Inverter Rooftop Unit

Extreme-Heat Cooling. Engineered to Perform.

Up to **100%** cooling capacity at 115°F.
When temperatures rise, performance remains consistent.

R32 - 3 Ton
18.3 SEER2 / 9.2 HSPF2

R454B - 5 Ton
19 SEER2 / 9.5 HSPF2

Core Performance

High-Efficiency & Fully Modulating Performance

- Fully modulating DC inverter system – continuously adjusts to match real-time building demand.
- Constant airflow motor – maintains steady airflow regardless of duct static pressure changes.

Extreme-Climate Heating & Cooling Capability

- R32-100% Cooling Capacity at 115°F
- R454B -90% cooling capacity at 115°F Both deliver reliable performance where conventional units often derate.
- Both 70% Heating Capacity at 5°F – in cold weather, reducing the need for auxiliary heat.

Service-Friendly Design

- Built-in EAC (Ecoer Automated Charging) – precise refrigerant levels, optimal performance.
- Self-diagnostic algorithms – assist technicians with faster troubleshooting and service.
- Sensor fault backup – runs up to 120 days with one sensor fault (7 days with two). Schedule the repair, not rush out.

Installation Flexibility

- Horizontal and downflow configurations – supports both rooftop and ground-level installations. One SKU fits more jobs.
- Dual-layer condenser coil – gold-fin anti-corrosion outer row protects against coastal salt air and harsh environments, while all-aluminum inner row maximizes heat transfer efficiency and reduces weight for easier installation.



Smart Connectivity

- Ecoer Pulse – 24/7 real-time diagnostics, predictive fault alerts, and remote system monitoring from anywhere.
- Over-the-air (OTA) updates – supports remote software upgrades for continuous feature improvements.
- Standard 24V thermostat compatibility – works with ecobee, NEST, and other standard thermostats you already stock.
- Built-in refrigerant leak detection – enhances system safety and occupant protection.

Built for extreme environments.

Ecoer RTi 2 delivers intelligent performance, operational reliability, and long-term peace of mind.

Dimensions (In. [mm])

Model	W	H	D
ERDA19H-36ADA	50-11/16 [1287]	49-1/16 [1246]	37-1/16 [942]
ERDA19H-60ABA	51-19/32 [1310]	50-19/32 [1285]	44-7/8 [1140]

AHRI Rating

Refrigerant	AHRI Ref. #	Outdoor Unit Model	Cooling Capacity	EER2	SEER2	Capacity (47F)	HSPF2	Heating Capacity (5F)	Heating COP (5F)	ENERGY STAR ® Certified
R-32	218619224	ERDA19H-36AD*	35000	11	18.3	35000	9.2	24600	1.9	Yes
R-454B	217463590	ERDA19H-60AB*	56000	11.2	19	56000	9.5	39500	1.9	Yes

Specification

Model		ERDA19H-36ADA	ERDA19H-60BBA
Capacity	Cooling (BTU/h)	35000	56000
	Heating (BTU/h)	35000	56000
Operation limit	Cooling operation range	20~125°F	20~125°F
	Heating operation range	-5~86°F	-22~86°F
Compressor	RLA	19	24.0
	LRA	52	58.1
Outdoor Fan Motor	Horsepower (HP)	1/3	1/3
	FLA	2.5	2.5
	Motor speed (RPM)	1050	1050
	Fan airflow (CFM)	3000	3700
Indoor Fan Motor	Horsepower (HP)	1/2	1
	FLA	4.3	2.5
	Motor speed (RPM)	1050	1050
	Fan airflow (CFM)	1200	1750
Metering Device		EEV	EEV
Electrical Data	Voltage-Phase-Hz	208/230-1-60	208/230-1-60
	Minimum Circuit Ampacity	30.1	38.5
	Max. Over-current Protection	35	50
	Allowed Volts Range	187~253	187~253
Condenser Decibels (dB)		61~73	65~75
Weight	Net Weight (lbs)	463	606
	Ship Weight (lbs)	489	640

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