



Making your home Green & Smart

2025

# PRODUCT CATALOG

Make a smart and green choice with Ecoer's innovative residential heat pump and AC systems that cost less and save up to 50% in energy costs



Ecoer Website



Ecoer Hero Academy



+1 (703) 348-2538



[www.ecoer.com](http://www.ecoer.com)



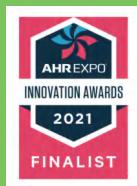
[info@ecoer.com](mailto:info@ecoer.com)

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# About Ecoer



## One of The Most Innovative Residential Ducted Heat Pumps and AC Systems Available

Since 2016, Ecoer has been a pioneer in using proprietary, patented inverter and smart IoT technology to revolutionize ducted residential air conditioners and heat pump systems.

Built on dynamic and ever-evolving innovations, our mission is clear: to provide higher-efficiency, affordable products, simplify installation, and seamlessly connect contractors with homeowners and their systems.

As an industry trailblazer in digitizing the refrigerant charging process, we provide contractors with an unparalleled experience of ease, efficiency, and precision. We are dedicated to delivering exceptional value to homeowners throughout the entire lifetime ownership of our systems, and contributing to a greener, more sustainable world.





# Ecoer Smart HVAC Solutions

Ecoer  
Website







**Smarter and Greener  
More Efficient and  
Comfortable!**

**Introducing Ecoer R-454B  
Product Series**



# NEW TDi PRO 2 Heat Pump

## • NEW TDi PRO 2 Heat Pump series

**EODA19H-2436ABA** **EODA19H-4860ABA**

- 1 Factory monitoring through Ecoer smart IoT gateway.
- 2 R-454B Refrigerant - Lower Global Warming Potential.
- 3 High efficiency - Up to 20 SEER2 /10 HSPF2/13 EER2.
- 4 All combinations are eligible for IRA tax credit.
- 5 Universal match - Capable of supporting both R454B or R410A refrigerant system combinations.
- 6 EAC technology- Fully automated refrigerant charging procedure.
- 7 Choice of flare, ZoomLock, braze refrigerant line connection.
- 8 Meet Energy Star certification.



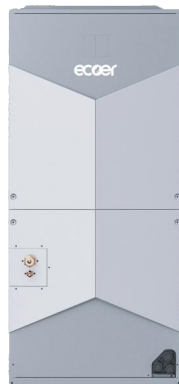
TDi PRO 2

# NEW TDi Air Handler

## • NEW TDi Air Handler series

**EAHDEN-24ABA** **EAHDEN-36ABA**  
**EAHDEN-48ABA** **EAHDEN-60ABA**

- 1 Support Ecolink.
- 2 Multi-position Installation - upflow or horizontal right standard, field convertible to horizontal left or downflow.
- 3 Oxygen-free copper evaporator - design to withstand the rigors of your environment.
- 4 Monitors total external static pressure TESP (optional with kit).
- 5 Auto airflow or 2-stage airflow comfort control for your option. Industry leading multi-voltage compatibility, 230v or 115v.
- 6 A2L Refrigerant detection.



NEW TDi Air Handler

# NEW RTi 2

## • Rooftop units series

**ERDA19H-60ABA**

- 1 High Efficiency - Up to 18.5 SEER2 / 9.2 HSPF2.
- 2 Fully modulating inverter drive.
- 3 Wide cooling operational range from 20°F to 125°F.
- 4 With Ecoer Smart IoT Gateway, the system can automatically monitor and diagnose the operation.
- 5 Sound level as low as 65dB .
- 6 Eligibility for IRA tax credit.
- 7 EAC technology- Fully automated refrigerant charging procedure.
- 8 R-454B Refrigerant - Lower Global Warming Potential.



NEW RTi 2



# NEW SDi Extreme 2

## • NEW SDi Extreme series

ESCA17H-36ABA

ESCA17H-60ABA

- 1 Up to 17 SEER2 / 11.7 EER2 / 10 HSPF2.
- 2 All combinations are eligible for IRA tax credit.
- 3 Meet Energy Star certification.
- 4 Full-fledged Inverter Technology.
- 5 Universal match – comparable with the existing indoor unit and 24V on-off control.
- 6 Ultra heating in low outdoor temperature (HCR at 5°F/47°F up to 105%).
- 7 Smaller footprint compared with Top discharge condensing unit.
- 8 R-454B Refrigerant - Lower Global Warming Potential.



NEW SDi Extreme 2

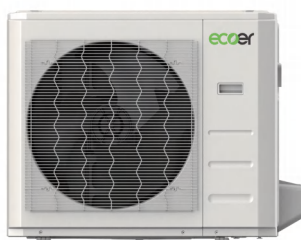
# NEW SDi Pro 2

## • SDi Pro 2 series

ESCA16H-36BBA

ESCA16H-60BBA

- 1 Up to 16 SEER2 / 10 EER2 / 8.5 HSPF2.
- 2 Full-fledged Inverter Technology.
- 3 Universal match – comparable with the existing indoor unit and 24V on-off control.
- 4 No Clogging concern by leaves or snow.
- 5 Single fan design for 3&5 ton – smaller outdoor units more flexible installation.
- 6 R-454B Refrigerant - Lower Global Warming Potential.
- 7 Warming Potential.



New SDi pro2

# New SDi Air Handler

## • New SDi Air Handler Series

EAHDEC-24ABA

EAHDEC-36ABA

EAHDEC-60ABA

- 1 Golden fin with higher corrosion resistance.
- 2 Universal match – compatible with existing indoor units and 24v on-off control.
- 3 Anti-cold air function prevents the cold on heating mode.
- 4 Auto defrost prevents outdoor unit from freezing up.
- 5 2-way draining: left and right sides of indoor unit have drainage hose connections for easy installation.
- 6 Emergency use function: unit will shut off immediately when temperature sensors detect an error.
- 7 Self-diagnosis and auto-protection: unit will shut off automatically when abnormal operation or parts fail, protecting the system.
- 8 Fire-proof electric box meets fire safety requirements to prevent internal fire due to electric spark.
- 9 Refrigerant leakage kit: ensure no harmful refrigerant escapes and improve system longevity.

New SDi Air Handler







# Ecoer R410a Product Series

# Ecoer TDi PRO

## • Ecoer TDi PRO series

EODA19H-2436AAA EODA19H-4860AAA

- 1 Up to 13 EER2 / 20.5 SEER2.
- 2 Suitable for single and multiple fuel application.
- 3 Anti-frozen feature in cooling mode.
- 4 EAC technology- Fully automate refrigerant charging procedure.
- 5 Two-stage automatic airflow.
- 6 All combinations eligible for IRA tax credit.
- 7 Meet Energy Star certification.
- 8 All combinations meet the requirements of Cold Climate Energy Star (HCR at 5°F/47°F up to 81.7%).

/// Ecoer TDi PRO



AWARDED SILVER  
AT ACHR 2024  
DEALER DESIGN AWARDS

# ESi Decades Extreme

## • ESi Decades Extreme series

EODA18H-2436BAA EODA18H-4860BAA

- 1 High efficiency of up to 20 SEER2.
- 2 Full modulating inverter drive.
- 3 Shorter start-up time by 15% faster.
- 4 Wider operational range by cooling from 20°F (old units run from 40°F to 122°F).
- 5 Heating capacity increased by 10%-20% at 17°F.
- 6 Compressor equipped with noise-canceling jacket.
- 7 Dehumidification mode specifically designed for areas with high humidity.
- 8 Refrigerant auto-charge feature.

/// ESi Decades Extreme



# ESi Decades

## • ESi Decades series

EODA18H-2436 EODA18H-2436

- 1 Up to 18 SEER2 / 8.5 HSPF2.
- 2 Compatible with 24V thermostat.
- 3 Full modulating inverter drive.
- 4 Low temperature filed setting.
- 5 Sound level as low as 56dB.
- 6 Refrigerant auto-charge feature.
- 7 Compressor equipped with noise-canceling jacket.
- 8 Dehumidification mode specifically designed for areas with high humidity.



# Ecoer RTi

## • Rooftop units series

ERDA19H-60AAA

- 1 High efficiency - Up to 18.5 SEER2 / 9.2 HSPF2.
- 2 Fully modulating inverter drive.
- 3 Wide cooling operational range from 20°F to 125°F.
- 4 Sound level as low as 65 dB(A).
- 5 Eligible for IRA tax credit.
- 6 Meet Energy Star certification.
- 7 System can automatically monitor and diagnose operational data to predict possible faults and send alerts to service providers with Ecoer Smart IoT Gateway.

/// Ecoer RTi



# SDi Decades Extreme

## • SDi Decades Extreme series

ESCA16H-36

ESCA16H-60

- 1 Up to 16 SEER2 and 9.5 HSPF2.
- 2 Full-fledge inverter technology.
- 3 Golden fin with higher corrosion resistance.
- 4 Universal match – compatible with existing indoor units and 24v on-off control.
- 5 Auto defrost prevents outdoor unit from freezing up.
- 6 Self-diagnosis and auto-protection: unit will shut off automatically
- 7 Emergency use function: unit will shut off immediately when temperature sensors detects an error.

/// SDi Decades Extreme



# Ecoer SDi A-Coil

## • Ecoer SDi A-Coil series

SNC36CPT

SNC48DPT

- 1 Premium Heat Exchanger - Crafted with improved aluminum fins and tubing featuring internal grooves for superior performance.
- 2 Insulation-Enhanced Enclosure - The cabinets enclosing the evaporator coil are thermally insulated with foil-faced insulation.
- 3 Versatile Installation Options - The cased coil is equipped with two drain pans, facilitating multi-position installations.
- 4 Broad Compatibility - Our A-coils are designed to seamlessly match with Ecoer unitary products, as well as a variety of popular gas furnaces and split systems from other reputable brands.
- 5 UL Listed.

/// Ecoer SDi A-Coil



# Ecoer G Series A-coil

## • Ecoer G Series A-coil series

GNC2430APT

GNC2430BPT

GNC3036BPT

GNC4248CPT

GNC4860CPT

GNC4860DPT

- 1 Premium Heat Exchanger - Crafted with improved aluminum fins and tubing for superior performance.
- 2 Insulation-Enhanced Enclosure - The cabinets enclosing the evaporator coil are thermally insulated, effectively preventing condensation. (Applicable to cased coil configurations only)
- 3 Multi-position Installation - upflow or horizontal right standard, field convertible to horizontal left or downflow.
- 4 Broad Compatibility - Our A-coils are designed to seamlessly match with Ecoer unitary products, as well as a variety of popular gas furnaces and split systems from other reputable brands.



Ecoer G Series A-coil



# Ecoer 120V Air Handler

## • Ecoer 120V Air Handler series

EAHETN-36HA

EAHETN-60HA

- 1 Adaptable Design for Any Space - Easily switch between upflow and horizontal right applications (convertible for down-flow or horizontal left).
- 2 Sealed Cabinet for Improved Efficiency - With less than 2% air leakage (meeting ASHRAE standard 193), the robust galvanized steel cabinet is fully insulated.
- 3 Streamlined Operation with Electronic Control Board - An added feature is the pump, which circulates hot water every 6 hours to prevent coil freeze during the off cycle.
- 4 Flexible Hydronic Heat Kits - Experience elevated heating experience with our factory-installed modular hydronic heat kits and improve the heating versatility for users' comfort.
- 5 Efficient DX Coil Design - The high-efficiency DX coil boasts rifled copper tubes and enhanced aluminum fins for maximum heat transfer.



Ecoer 120V Air Handler







# Ecoer Gas Furnace

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# Ecoer 97% AFUE Furnace

## • Ecoer 97% AFUE Furnace series

EVMF97M2470B3L

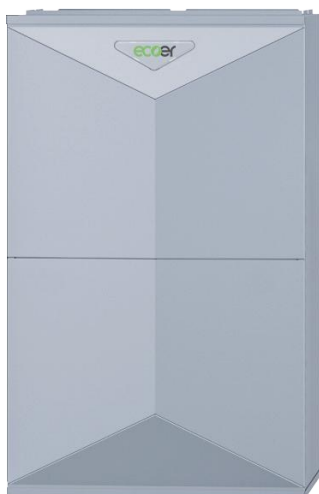
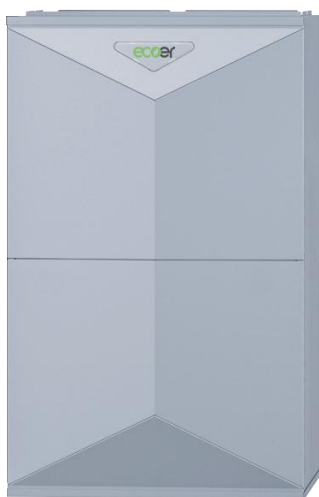
EVMF97M3190C5L

EVMF97M38110D5L

- 1 Complies with CSA safety certification and AHRI / CEE / NEEP energy efficiency requirements.
- 2 Achieves an AFUE of up to 98%, leading the industry.
- 3 Monitors room temperature (return air temperature) in real time, accurately identifies user needs, and enables gas input control as low as 1%.
- 4 Real-time monitoring of system operating negative pressure ensures precise matching of exhaust air volume to gas load requirements, guaranteeing combustion safety.
- 5 Supports one-click high-altitude adjustment without replacing any components (reduces by 2% per 1,000 feet).
- 6 Intelligent variable-speed blower technology automatically adjusts airflow based on demand, providing quieter operation.
- 7 Dual fuel system, seamlessly integrates with ECOER heat pump systems.
- 8 Supports upflow, horizontal, and downflow 4-way multi-position installation requirements.
- 9 Ecoer Smart IoT technology available.
- 10 The heating capacity range is adjustable from 35% to 100%.



Ecoer 97% AFUE Furnace



# Ecoer 96% AFUE Furnace

## • Ecoer 96% AFUE Furnace series

MGH96M060B3A

MGH96M080B3A

MGH96M080C4A

MGH96M100C5A

MGH96M100D5A

MGH96M120D5A

- 1 **High Efficiency:** Up to 96% AFUE heating efficiency that is ENERGY STAR-rated.
- 2 **Comfortable:** Designed with two stages to prevent drastic temperature swings and to keep your furnace running longer.
- 3 **3-way multi-pose design:** Flexibility in multiple types of installations, available in up-flow (right or left return) and horizontal
- 4 **Durable parts:** Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger.
- 5 **High-quality cabinet:** The cabinet is painted galvanized steel with an anti-rust coating, that passes a 500-hour salt spray test.

/// Ecoer 96% AFUE Furnace



# Ecoer 95% AFUE Furnace

## • Ecoer 95% AFUE Furnace series

FG7TC-060D-V24BP

FG7TC-080D-V35CP

FG7TC-100D-V35CP

FG7TC-120D-E45DP

- 1 **Variable Speed Direct Drive Blower-** This energy-efficient brushless DC (ECM) motor optimizes airflow for superior temperature regulation, humidity management, and even air distribution.
- 2 **Hot Surface Igniter -** Utilizes advanced silicon nitride technology for improved ignition performance.
- 3 **Heating Cycle Blower Delay -**Ensures warm air at furnace start-up with adjustable blower off settings of 60, 90, 120, and 180 seconds.
- 4 **30-Second Delay for Blower Activation -** Guarantees the ducts are warm when the furnace initiates. Features customizable blower shut-off timings of 60, 90, 120, and 180 seconds
- 5 **Heat Exchanger -** Features a heavy-gauge aluminized steel primary heat exchanger and a stainless steel secondary heat exchanger, ensuring durability and longevity.



/// Ecoer 95% AFUE Furnace

# Ecoer 80% AFUE Furnace

## •Ecoer 80% AFUE Furnace series

FG7SA-054C-T23AP

FG7SA-072C-T24BP

FG7SA-090C-T24BP

FG7SA-090C-T35CP

FG7SA-108C-T35CP

- 1 Brushless DC (ECM) Multi-speed Direct Drive Blower** - Engineered for energy efficiency, offers a broad spectrum of cooling capacities.
- 2 Primary Heat Exchanger with Tubular Design** -The robust construction of the heat exchanger, made from heavy-gauge aluminized steel, ensures a prolonged lifespan.
- 3 30-Second Delay for Blower Activation** -Guarantees the ducts are warm when the furnace initiates.Features customizable blower shut-off timings of 60, 90, 120, and 180 seconds.
- 4 Ultra-quiet Operation** -high insulation with blower compartment.
- 5 Air Leakage Compliance** - These furnaces meet the Energy Star requirement for cabinet air leakage, which is less than or equal to 2%, ensuring efficient distribution of conditioned air.

/// Ecoer 80% AFUE Furnace





# Smart Green One Series

## Air to Water Heat pump





## /// Ecoer Smart Green One

# Ecoer Smart Green One

- Monobloc **ESMA-060ADP**
- Basic Control Box **EHM0A-060A**
- Hydraulic Module **EHM1A-060A13**

### 1 DC Inverter Technology

- High energy efficiency: COP Min/Max (DB / WB Temp. 45°F / 43°F supply water temp. 95°F, return 86°F) up to 4.47 / 5.01.

### 2 Monobloc Design

- Easy Installation -Require only water pipe connections between the Monobloc, Hydraulic Modules, and hydraulic distribution systems.
- No on-site refrigerant charging needed.

### 3 Low Ambient Temp But High-Water Temp

- The Smart Green One operates efficiently in temperatures as low as -13°F, with auxiliary heat kicking in below that threshold, ensuring continuous comfort.
- The unit is able to provide water temp. up to 140°F.

### 4 Low Noise Level

- Enjoy peace of mind with a sound level as low as 57 dB (A).

### 5 Ecoer IoT technology

- Users are able to view both historical running status and real-time data of their units on Ecoer's web platform.
- Maintenance technicians can adjust settings, view historical running data and monitor real-time data.

### 6 ECOER HOME Plus APP

- Users can effortlessly toggle their units ON/OFF, access real-time running data and customize settings such as water temperature mode and timing to suit their preferences.



# Smart Control Solutions

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- 10 Years Labor
- Remote Access
- Automatic Alerts
- Up to 5 systems
- Free 24/7 Monitoring
- Real-time Data Management
- Record Historical Data
- Automatic Updates

## Ecolink Gateway

- 1 Multi-system connectivity.
- 2 More reliable signal coverage.
- 3 10 years monitoring service included.
- 4 Real-time / history data available.
- 5 No subscription fee.
- 6 No WiFi password required.

SKU	Description	
ELK01	Ecolink kit	
ELO02	Ecolink Adapter	

## EG910L 4G IoT Gateway

- 1 Real-time Data Management.
- 2 Automatic Alerts.
- 3 Historical Data Recorded.
- 4 24/7 Monitoring.
- 5 Automatic Updates.
- 6 Remote Access.
- 7 10-Year Labor Warranty.



EG910L 4G IoT Gateway



# EST02 Smart WiFi Thermostat



- 1 Real-time Data Management.
- 2 OTA Upgrade Available.
- 3 Historical Data Recorded.
- 4 Up to 4H2C.
- 5 Automatic Updates.
- 6 Easy Installation & Operation.
- 7 Automatic Alerts.
- 8 3-Year Limited Warranty.
- 9 24/7 Monitoring.
- 10 Blackout Memory Retention.
- 11 Remote Access.
- 12 Bluetooth Connection.

# EST01 Smart Thermostat

- 1 Remote control from smartphone.
- 2 Compatible with most 24V systems.
- 3 WiFi connectivity in 2.4 / 5GHz.
- 4 3-year limited warranty.
- 5 Customizable 7-day programming.





# Grow Your HVAC Business with Ecoer

Ecoer  
Website



At ecoer, we understand the challenges contractors face, and we are committed to leveraging cutting-edge IoT technology to address the daily issues contractors encounter. Ecoer IoT solutions provide contractors with a seamless experience, drastically reduce installation time, and enable them to complete projects efficiently. Moreover, our after-sales maintenance is a breeze, and contractors can enjoy our industry-leading warranty services. We assist Ecoer-approved contractors by providing management and support tools, allowing you to focus more effectively on serving your clients!

Join the elite dealer team at Ecoer today and gain exclusive access to sales and marketing tools, technical support, training, and more at **[www.ecoer.com](http://www.ecoer.com)**.

# Ecoer Certified Contractor Benefits:

1. Priority technical support.
2. Recognition as an Ecoer Certified Dealer on the official website.
3. Lead generation assistance.
4. ESS Pro Contractor Desktop Access.
5. Access to additional resources on [www.ecoer.com](http://www.ecoer.com) - Dealer Portal.
6. Access to In-Home Selling Presentation Materials.
7. Enrollment to Ecoer's newsletters that provides updates about current programs, product updates, training opportunities and promotions.
8. Eligible for Personal Use / Demo System Programs.
9. Eligibility to win annual Top Ecoer Dealer Recognition Award.
10. Exclusive incremental rebate.

Ecoer Partners





# Ecoer Rebate Center

Save on Energy Saving HVAC Products.

Take a look at the Ecoer Clean Energy Tax Credit & Rebate center to explore rebates of selected

Ecoer heating and cooling solutions in your area



<https://www.ecoer.com/clean-energy-tax-credit/>





# Ecoer Hero Academy

Our Ecoer Hero Academy is a platform that allows you to access all of our technical training in one place.

We offer a full online learning experience that you can complete at your own pace.

Additionally, you have the option to participate in live webinars with instructor-led training.



Ecoer  
Hero Academy



Ecoer Hero Academy



# Customer Service & Support



## Technical Support

TEL: +1(855)598-4093  
Email:support@ecoer.com

## Contact Ecoer

Phone : +1 (703) 348-2538  
Email Inquiries: info@ecoer.com

## Stay Connected With Ecoer



# SMART

Ecoer Smart Heat Pump System



**HARDI**  
PROUD MEMBER

**ACCA**  
Air Conditioning Contractors of America

**AHRI**

**ne  
ep**

**DD** 2024  
DEALER DESIGN  
AWARDS  
the NEWS | SILVER

**AHR EXPO**  
INNOVATION AWARDS  
2021  
FINALIST

# Notes

Handwriting practice lines consisting of 15 sets of three horizontal dashed lines.