



As Low As 56dB

Quiet Mode for Nighttime Use

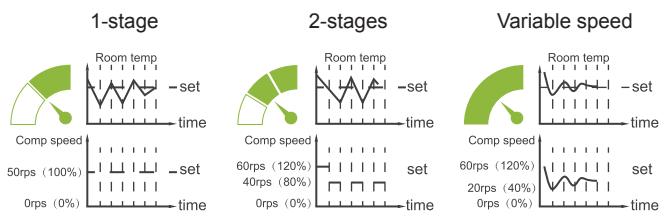
	Washing hands	■■■■■	45dB
	Keyboard	■■■■■	50dB
	Inverter Ducted Split	■■■■■■■	56dB
	Sea Sound	■■■■■■■	60dB
	Bird Sound	■■■■■■■■■	75dB
	Hair Dryer	■■■■■■■■■■■	85dB

The lowest average sound rating is 56dB for the Ecoer Inverter unit. This is based on a weighted average dB, according to AHRI-260:2001 (100Hz-10KHz). Actual sound rating may vary depending on system settings, equipment maintenance, and other factors.

Ultimate Comfort

Consistent Comfort

Compared with fixed speed systems, Ecoer inverters have a much wider capacity range which helps to achieve faster heating and cooling. With more than 30 stage settings in our compressor, Ecoer inverters provide more accurate and efficient temperature control while using less energy.



Appropriate Humidity

Imbalanced air moisture can lead to mildew and unhealthy airflow. With the appropriate settings and use of Ecoer's Wi-Fi Thermostat, Ecoer systems can automatically remove moisture without over-cooling and maintain the appropriate temperature.

Health and Safety

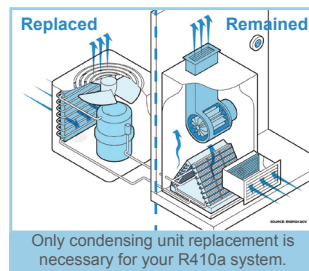
Gas furnaces burn fuel which may be unhealthy, as well as, potentially dangerous. The advantage of heat pumps is they require no fuel combustion making it cleaner and safer for you and the environment than gas. With an Ecoer heat pump system, there are no fuel emissions or risks of carbon monoxide poisoning.

High Efficiency and Minimum Cost

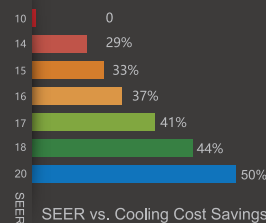
Lowest Cost Replacement Solution

Thanks to Ecoer's innovative non-communicating inverter technology, our inverter outdoor condenser units are compatible with the traditional 1-stage and 2-stage indoor air handlers or furnaces and 24V controlled thermostats.

Users will not have to replace the indoor units⁽²⁾, thermostats or electrical wire in R410A replacement applications. This will greatly increase savings on the replacement costs. Ecoer also provides full system change outs with indoor air handlers and Wi-Fi thermostats when desired.



Make a smart and greener choice- Saving more and costing less



*Percentage based on national average at 10 SEER; may vary according to efficiency of current unit and installation.



Ecoer Inverter systems deliver the precise amount of heating and cooling needed to achieve the desired temperature, no more/no less. Thanks to a SEER rating up to 20, a HSPF rating up to 10 and a self-learning load programming, the inverter system can reduce annual utility bills up to 50% compared to older 10 SEER systems. Ecoer systems provide the greatest indoor comfort at the most affordable price to our customers.

Robust and Reliable Quality

The Ecoer Inverter ducted split systems are certified by AHRI and ETL. These robust and durable units, both indoor air handlers and outdoor condensers, are produced to exact standards and strict quality control. Ecoer products are assembled by a professional manufacturing facility with annual revenue of \$15 billion.



The innovative Backup-Running Technology can keep the system running safely in case of failure for up to 2 sensors. This feature reduces inconvenient system outages and will allow the system to continue to operate while awaiting system maintenance.

The Ecoer Smart IoT Gateway monitors the operation of your system 24 hours a day. It diagnoses the operation data, predicts possible faults and sends alerts to your service provider automatically when a failure event occurs. The condenser can be upgraded remotely with the newest software to provide the best product experience.



Ecoer's Wi-Fi Programable Touchscreen Thermostat



- Set your temperature remotely from your smart phone
- Wi-Fi connectivity through the App
- Compatible with most 24V controlled system
- Able to control indoor fan speed for better dehumidification control
- Modern design & simple to use
- Makes it even easier for remote diagnostic and trouble shooting

Smart Connected Air Conditioner (*)

- Worry-free installation is guaranteed because of our IoT technology.
- Easier maintenance and service from now on, the IoT technology will assist you in catching any system issues and help by offering possible solutions.
- Feel comfortable knowing that the IoT technology will send Alerts if a problem arises.

*ESS service required

10-Years Limited Warranty on Parts⁽¹⁾



Note:

- (1) For full details on the warranty terms and conditions visit www.ecoer.com
- (2) Required to be qualified for local regulations and HVAC standards.



The Most Innovative Residential Ducted Heat Pump and AC System Available

- Ultimate Comfort and Quiet
- High-Efficient up to 20 SEER/10 HSPF
- Full DC Inverter with Smart 4G IoT connectivity technology
- 10-Years Limited Parts Warranty
- Smart Connected Air conditioner



Series	ESI				ESI Ultra
	24K	36K	48K	60K	Ultra 36K
AHRI Reference NO.	202337969	202110525	202337970	202110527	202110529
Capacity					
Cooling Capacity (BTU/h)	23400	34200	45000	54000	36000
Heating Capacity (BTU/h)	24000	36000	47000	54000	36000
Load	25%-110%				50%-170%
SEER	20.0	18.0	17.0	17.0	20.0
HSPF	10.0	10.0	9.5	9.5	10.0
Component					
Compressor	Variable				
Fan Motor	Multi-speed				
Outdoor metering device	Electronic expansion valve				
Indoor metering device	Non-bleed R410A TXV				
High Pressure Sensor	•	•	•	•	•
Low Pressure Sensor	•	•	•	•	•
Compressor Noise Cancelling Jacket	•	•	•	•	•
Refrigerant Accumulator	•	•	•	•	•
Field Setting					
Dehumidification Mode	•	•	•	•	•
High Capacity Mode	•	•	•	•	•
Silent Mode	•	•	•	•	•

Remarks:

*All service or features marked with an * are required to subscribe to Ecoer Smart Service. ESS is a monitoring service and is a paid service.

Ecoer's limited-time promotion policy:
(Valid through December 31, 2020)

For each installed Ecoer system, Ecoer will provide a complimentary 1-3 years subscription to Ecoer Smart Service (ESS). Registration on www.ecoer.com or Ecoer Smart Service (ESS) App is required. It is required that only registered contractors and homeowners can enjoy this service from Ecoer Smart Service (ESS). This is a limited offering, policy may be subject to change.

All rights reserved by Ecoer Inc.



follow us:



www.ecoer.com



Technical Information

CONDENSING SECTION MODEL SIZES



Models	Height (H)	Width (W)	Depth (D)
2436	24-15/16	29-1/8	29-1/8
4860	33-3/16	29-1/8	29-1/8

Standard Features:

- Up to 20 SEER/10 HSPF
- Fully modulating inverter drive
- Capacity load from 25-110%
- Sound levels as low as 56dB
- Compress equipped with noise cancelling jacket
- Compatible with most 24V thermostats
- Low temperature field setting
- Dehumidification mode specifically designed for high humidity areas
- Refrigerant Auto Charge feature
- Intelligent Control
- Backup Operation up to 2 failed sensors

AIR HANDLER SECTION MODEL SIZE

Models	Series	Height(H)	Width(W)	Depth(D)
24/36	E series	46-1/2"[1180]	21"[533]	21"[533]
48/60		56"[1422]	24-1/2"[622]	21"[533]
36	G series	46-1/2"[1180]	19-5/8"[500]	21-5/8"[550]
60		54-1/2"[1385]	22"[560]	24"[610]

Standard Features:

- Multi-speed ECM blower motor
- Factory installed TXV
- Multi-position installation
- Multiple electrical entry locations
- Field installed heater kits 5, 10, 15, 20KW
- Two front panels (upper and lower) for easy service
- Slide rail design for motor and coil for easy installation and maintenance
- Horizontal and vertical drain pan pre-installed
- Plastic primary drain pan
- Cooperating with Ecoer thermostat, E series can automatically switch to low speed to get even better dehumidification control

