



ECOER TDi 2 A-Coil

Smart and Efficient Indoor Comfort



TDi 2 A-Coil represents the next generation of intelligent A-coil, designed to deliver exceptional comfort, control, and reliability. With advanced communication capabilities, flexible refrigerant compatibility, and built-in safety protection, it integrates seamlessly with modern HVAC systems to provide optimized performance for every home.

Core advantage:

Intelligent Dual Control & Dual Fuel Operation

- The TDi 2 A-Coil intelligently distributes thermostat signals between the Furnace and Outdoor Unit (ODU) for precise coordination.
- When paired with an outdoor system, it supports Dual Fuel functionality independently—without the EST02 module—enhancing installation flexibility and maximizing energy efficiency.

Smart Connectivity & Enhanced Safety

- With **pre-installed IoT modules**, the TDi 2 A-Coil is ready for **smart home integration**.
- It supports **O/B terminal control** for third-party thermostats, and **external dehumidifier control** (via EST02).
- An integrated A2L refrigerant leak detection and safety system ensures reliable operation and user safety.

Advanced Sensor Network & EEV Control

- Featuring **multi-point temperature sensor data collection** and **Electronic Expansion Valve (EEV)** management, the system continuously monitors operating conditions to optimize performance, maintain comfort stability, and deliver consistent indoor climate control.

Other features:

- All-Aluminum Heat Exchanger – Ensures long-term durability, efficient heat transfer, and superior corrosion resistance.
- Cold-Air Prevention Function – Delivers warm airflow faster and prevents discomfort during heating startup.
- Dual-Refrigerant Compatibility – Easily configured to support R32/R454B for flexible system applications.

Dimension	W (Inch)	H (Inch)	D (Inch)	Net weight lbs.
EACE2430BEA	17-1/2	23	21-3/8	62
EACE3036BEA	17-1/2	23	21-3/8	62
EACE4248CEA	21	29-1/2	21-3/8	88
EACE4860CEA	21	29-1/2	21-3/8	88

Specification

Model	EACE2430BEA	EACE3036BEA	EACE4248CEA	EACE4860CEA
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Refrigerant Line Size

Liquid Line Size (O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size (O.D.)	3/4"	3/4"	7/8"	7/8"

Refrigerant Connection Size

Liquid Line Size (O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size (O.D.)	3/4"	3/4"	7/8"	7/8"
Metering Device	EEV	EEV	EEV	EEV



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