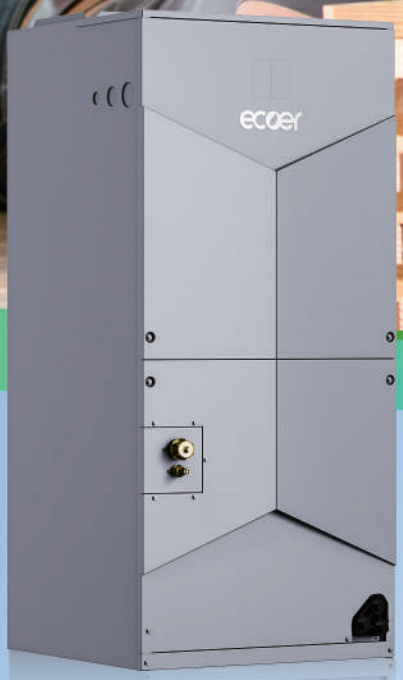
ecoer
Comfort . Perfected.

Ecoer TDi Pro 2 Air Handler

Smarter Comfort. Smarter Control.



The next-generation air handler engineered for precision, flexibility, and intelligent airflow.

ENERGY STAR

Intertek

AHRI CERTIFIED
www.ahridirectory.org
Residential Furnaces
DOE 10 CFR Part 430

ecoer
Making your home Green & Smart

Ecoer TDi Pro 2 Air Handler



MODEL

EAHDEN-24ABA EAHDEN-36ABA

EAHDEN-48ABA EAHDEN-60ABA

Core Advantages: Unmatched Integration & Performance

Precision EEV Control
- Smart refrigerant adjustment for peak efficiency & comfort

Dual Voltage (115V / 230V)
- Installs anywhere – zero electrical conversions

Seamless EHK Heater Integration
- Direct compatibility with existing Ecoer EHK series heaters

Advanced Comfort & Climate Management

- **Variable-Speed ECM Motor:** Maintains consistent airflow and ultra-quiet operation
- **Adaptive Airflow Modes:** Auto-adjusting or selectable 2-stage settings
- **Draft-Free Heating:** Delivers warm air gradually to eliminate cold air discharge at startup
- **Humidity Control Contacts*:** Direct integration with humidifiers / dehumidifiers

*24V dry contact for dehumidifier control, 24V powered connection for humidifier control

Safety & Durability

- **A2L Refrigerant Detection:** Automatic leak monitoring
- **Resettable Fuse:** Protects against power surges
- **Oxygen-free Copper Evaporator:** Designed to withstand environmental rigors

Performance & Efficiency

- **Enhanced Dehumidification with EST02 Thermostat:** Low-airflow mode maximizes moisture removal
- **Ecolink Support:** Enables smart diagnostics and remote management

Installation Flexibility

- **Multi-position Design:** Upflow, downflow, horizontal left / right
- **Multiple Refrigerant Line Connection Options:** press fitting, brazed, or flared connections
- **Filter Blockage Alert*:** Notifies when maintenance is needed
- **TESP Diagnostics*:** Tracks system pressure for optimization

*Optional features

Air Handler Dimensions (inch)

Model	Width (W)	Height (H)	Depth (D)
EAHDEN-24ABA	21	47-1/2	22
EAHDEN-36ABA			
EAHDEN-48ABA	24-11/16	56-1/2	22
EAHDEN-60ABA			



AHRI rating

Refrigerant	AHRI Ref #	*Energy Star	CEE Tier	IRA Tax Credit	Outdoor Unit	Air Handlers	Cooling Performance			Heating Performance		
							Total	EER2 (2)	SEER2 (1)	High (47°F)	HSPF2[3]	Low (5°F)
R454B	216445239	Both	CEE Tier 1 (Path A & B)	Yes	EODA19H-2436AB*	EAHDEN-24AB*	24000	13	20	24000	10	19600
R454B	216445240	Both	CEE Tier 1 (Path A & B)	Yes	EODA19H-2436AB*	EAHDEN-36AB*	34200	12	19	36000	10	25200
R454B	216620321	Both	CEE Tier 1 (Path A & B)	Yes	EODA19H-4860AB*	EAHDEN-36AB*	35200	12.5	19	35200	10	35200
R454B	216445241	Both	CEE Tier 1 (Path A & B)	Yes	EODA19H-4860AB*	EAHDEN-48AB*	47000	12	19	48000	10	34400
R454B	216445242	Both	CEE Tier 1 (Path A & B)	Yes	EODA19H-4860AB*	EAHDEN-60AB*	54000	11.2	18.5	55000	10	38500

Certified per AHRI Standard 210/240-2023 (1) Seasonal Energy Efficiency Ratio; (2) Energy Efficiency Ratio; (3) Heating Seasonal Performance Factor

*Energy Star

Both: Both of Residential Heat Pump and Residential Cold Climate Heat Pump

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