



ECOER TDi Pro 2 120V Air Handler

TDi Pro 2 120V Air Handler delivers versatile performance with multiple installation orientations and broad compatibility with leading air conditioners and heat pumps. It features a low-leakage galvanized steel cabinet, high-efficiency coil, and constant-torque ECM motor for quiet, reliable airflow and optimized heat exchanger.

Core advantage:

Advanced Airflow & Blower Performance

- Constant torque ECM motor- Software-controlled speeds maintain consistent performance and efficiency.
- Direct drive blowers -Circulate air quietly and efficiently.
- Smart blower timing-Electronic board provides a 30-second ON/OFF delay to maximize heat and cooling extraction.

Flexible Installation

- Supports upflow, downflow, and horizontal left/right installations for broad application versatility.
- Drain pan with dual drain ports for flexible installation.
- Simplified wiring access: Front-access controls and flexible electrical connections (top or left).

A2L Refrigerant Readiness & Safety

- A2L refrigerant ready- Factory-installed Refrigerant Detection System (RDS) ensures UL 60335 compliance when using R454B refrigerants.

Other features:

- High-performance coil: Rifled copper tubes, enhanced fins, factory-tested integrity, built-in TXV, and corrosion-resistant drain pan.
- Modular hydronic heat kits- Available in multiple coil configurations with pump/no-pump options, built-in freeze stat, and auxiliary pump relay.

Air Handler Dimensions (inch)

Model	W (Inch)	H (Inch)	D (Inch)	Ship Weight (lbs.)
EAHETN-36HB	21	42	23	170
EAHETN-60HB	21	48	28	200

AHRI rating

Refrigerant	AHRI Ref #	Outdoor Unit	Air Handlers	Cooling Performance			Heating Performance		
				Total	EER2	SEER2	High(47°F)	HSPF2	Low(5°F)
R-454B	217914873	EODA19H-4860AB*	EAHETN-60HB	48000	10.5	17	52500	8.5	42500
R-454B	217914872	EODA19H-2436AB*	EAHETN-36HB	31000	11.7	18	34000	9	27000

Specifications

Model Name		EAHATN-36HB	EAHATN-60HB
Capacity	Nominal Cooling (BTU/h)	34000	52500
	Nominal Heating (BTU/h)	35000	55000
Fan Motor	Motor Type	ECM	ECM
	Horsepower (HP)	1/2	1
	Full Load Ampacity	6.8	11.5
Refrigeration System	Indoor Coil Type	Rifled Copper Tubing / Enhanced Aluminum Fins	Rifled Copper Tubing / Enhanced Aluminum Fins
	Rows	4	4
	Tube Size (in.)	3/8"	3/8"
	FPI	14	14
Refrigerant Line Size	Liquid Line Size (O.D.)	3/8"	3/8"
	Suction Line Size (O.D.)	3/4"	7/8"
Refrigerant Connection Size	Liquid Line Size (O.D.)	3/8"	3/8"
	Suction Line Size (O.D.)	3/4"	7/8"
	Metering Device	TXV	TXV
	Heating Metering Device (ODU side)	EEV	EEV
	Coil Drain Connection (FPT)	3/4"	3/4"
Hydronic Coil	Coil Type (Water Coil)	Copper Tubing / Enhanced Aluminum Fins	Copper Tubing / Enhanced Aluminum Fins
	Rows	3	4
	Tube Size (in.)	3/8"	3/8"
	FPI	12	12
Electrical Data	Voltage-Phase-Hz	108/120-1-60	108/120-1-60
	Minimum Circuit Ampacity	8.5	14.38
	Max. Over-current Protection	15	25
	Volts Range	115-120	115-120
Air Filter	Air Filter Size (in.)	20×20	20×25
Piston	Piston Size (in.)	0.065	0.077



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