



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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