

TDi Pro 2 series

ABOUT TDi Pro 2 series R454b

TDi Pro 2 series is Ecoer's most groundbreaking R454B heat pump for 2025. This series combines the latest advanced technologies from the Ecoer family, delivering impressive performance with 20 SEER2, 13 EER2 and 10 HSPF2, meeting the latest CEE requirements for 2025. As a result, all combinations for TDi Pro 2 are eligible for valuable federal rebates. Featuring Ecoer Pulse and zoning control technology, the TDi Pro 2 series is set to be the most anticipated heat pump of 2025, offering users a smart, efficient, reliable, and comfortable HVAC syste m.

Condensing Units:

- Factory monitoring through Ecoer Pulse
- R-454B Refrigerant - Lower Global Warming Potential
- High efficiency - Up to 20.5 SEER2 / 10 HSPF2 / 13 EER2
- Meet Energy Star certification
- Corrosion resistant outdoor coil-1000 hours test to ASTM (B117) standard
- Choice of flare, ZoomLock, braze refrigerant line connection
- EAC[1]technology- Fully automated refrigerant charging proce dure
- Suitable for single and multiple fuel application
- Line set of up to 150 ft
- Filter dryer supplied with unit



1: EAC is an automated charging-assist feature intended to support qualified HVAC technicians. It does not replace proper installation procedures, required field measurements, or compliance with applicable installation and service manuals. Final refrigerant charge must always be verified and confirmed by a qualified HVAC technician based on actual system conditions.

Air Handling Units:

- Multi-position Installation - upflow or horizontal right standard, field convertible to horizontal left or downflow
- Oxygen-free copper evaporator - design to withstand the rigors of your environment
- Auxiliary contacts to control humidifier and dehumidifier equipment
- Blocked filter alert (optional with kit)
- Monitors total external static pressure TESP (optional with kit)
- Industry leading multi-voltage compatibility, 230v or 115v
- A2L Refrigerant detection
- Support Ecoer Pulse



Condensing Unit Dimensions (inch)			
Models	**W**	**H**	**D**
EODA19H-2436ABA	29-1/8	24-1/4	29-1/8
EODA19H-4860ABA	29-1/8	32-1/2	29-1/8

Air Handler Dimensions (inch)			
Models	**W**	**H**	**D**
EAHDEN-24ABA	21	47-1/2	22
EAHDEN-36ABA	21	47-1/2	22
EAHDEN-48ABA	24-11/16	56-1/2	22
EAHDEN-60ABA	24-11/16	56-1/2	22



TDi Pro 2 Heat Pump R454b

Series	**24K**	**36K**	**36K Ultra**	**48K**	**60K**
AHRI Reference NO.	216445239	216445240	216620321	216445241	216445242
Capacity					
Cooling Capacity (BTU)	24000	34200	35200	47000	54000
Heating Capacity (BTU)	24000	36000	35200	48000	55000
SEER2	20.0	19.0	19.0	19.0	18.5
EER2	13.0	12.0	12.5	12.0	11.2
HSPF2	10.0	10.0	10.0	10.0	10.0
COP at 5°F	2.1	2.0	1.9	2.1	1.9
HCR at 5°F/47°F	81.6%	70.0%	100.0%	71.6%	70.0%

Outdoor specification	
Refrigerant Type	R454B
Voltage-Phase-Hz (Outdoor unit)	208/230-1-60
Compressor	Variable Speed
Fan Motor	Multi-speed
Outdoor throttling device	EEV

Indoor specification	
Voltage-Phase-Hz (Indoor unit)*	Standard 208/230-1-60, optional 115V-1-60
Indoor throttling device	EEV
Installation	Multi-position Installation

*If the indoor unit requires a 115V power supply, wiring adjustments must be made on-site. Please refer to the installation manual for details.

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