

# CHILTRIX CX35



## CHILTRIX by UNICO™

Chiltrix by Unico™ is the unmatched upgrade to residential HVAC solutions.

Chiltrix is the leader in air-to-water heat pumps, which are the ultimate energy-efficient solution for an "All Electric Home" HVAC system and Net Zero energy efforts. Chiltrix's units are load and capacity-aware smart heat pumps, featuring a variable speed inverter compressor and pump.

The Unico System is the leader in small-duct high-velocity HVAC. With its compact and flexible size, The Unico System is designed to fit where conventional systems cannot.

With two market leaders combined into one dynamic package, an HVAC system is elevated to extraordinary levels of comfort and efficiency, setting the standard for the future of residential heating and cooling.

### *CX35 Air-to-Water Heat Pump*

## ABOUT THE PRODUCT

Introducing the CX35: Chiltrix's latest innovation in air-to-water heat pumps. Building upon the success of its predecessor, the CX35 boasts cutting-edge technology, maintaining its award winning controls while embracing a more sustainable approach with eco-friendly refrigerant. The unit has been optimized for heating performance, delivering exceptional efficiency.

With a powerful cooling capacity of 2 Tons and a heating capacity of 3.4 Tons, the CX35 stands as the ultimate outdoor unit solution for residential HVAC.

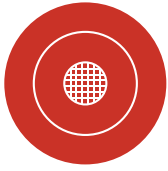
Chiltrix air-to-water heat pumps' standout feature is their unique "monoblock" design, where all refrigerant and essential components, including the compressor, evaporator, and condenser, are safely enclosed within the outdoor unit. This intelligent design ensures that no refrigerant is present inside the home, prioritizing safety and environmental friendliness. The CX35 effortlessly connects to the indoor system via insulated water lines, offering a seamless and efficient home heating and cooling experience.



### *Complete a System*

Unico 1-3 ton units

Shown M2430 2-2.5 Ton  
Blower  
Chilled Water Coil  
*options may vary*



**Unico**  
**FEATURES AND BENEFITS**

- Unico is the industry leader in small-duct high-velocity HVAC .
- Fits in any space no matter the building type or age.
- The Unico System's air is designed to isolate noise and vibration delivering air through quiet performance.
- Provides greater humidity removal, up to 30%, with the superior and efficient design of our cooling coils.
- Unico prides itself on our support and training for all installing contractors. Homeowners will have access to professional support regarding a Chiltrix outdoor unit connected with an indoor Unico system.



**Product**  
**SYSTEM ADVANTAGES**

- Unparalleled fit and performance as the highest-efficiency outdoor unit in its class on the market today.
- Allows for flexibility of design, incorporating heating and air conditioning; ventilation; underfloor heating, domestic hot water, and radiant cooling.
- Chiltrix equipment can be included in a FREE Unico system duct design and material list.
- Outdoor and indoor unit pairings make for unlimited design flexibility.
- Outdoor units can be placed up to 300 feet from the home, eliminating noise in recreational outdoor spaces.
- Perfect for zero energy and passive house installations.

**ULTRA-EFFICIENT R32**  
**CX35 AIR-TO-WATER**  
**HEAT PUMP**

2 Tons Cooling / 3.4 Tons heating  
IPLV Cooling 24,056 BTU EER 23.27  
Heating 40,361 BTU COP 4.9 @W95/A47  
Heating Seasonal Average COP 4.69 (SCOP)

The CX35 is Stackable up to 3 Systems  
Use up to 8 Indoor Units per Outdoor Unit. UL60335-2-40/ CSA C22.2 / SGS

Supports: Radiant, Ductless Fan Coils, Ducted Air Handlers & Domestic Hot Water: Any or All, in Any Combination.



| CX35 R32 DC Dual Inverter Heat Pump Specifications |                          |                      |       |
|--|--------------------------|----------------------|-------|
| Per AHRI 550/590                                   | Ambient / LWT (°F)       | Capacity BTU / COP   |       |
| Heating  | 47F / 95F                | 40,468               | 4.90  |
|  | 32F / 95F                | 31,118               | 3.88  |
|  | 17F / 95F                | 25,113               | 3.24  |
| Cooling  | IPLV EER (W 44F)         | 24,056               | 23.28 |
|  | EER (A 95F W44)          | 24,039               | 10.25 |
| Compressor   | Dual Inverter Rotary     | Mitsubishi           |       |
| MCA / Max Fuse                                     | 16a / 20a                |                      |       |
| Power  | 208-240V/50-60Hz         |                      |       |
| Max.Water Temperature (F)                          | 131F                     |                      |       |
| Operating Range (F)                                | -13F ~ 122F              |                      |       |
| Refrigerant Circuit                                | Refrigerant              | R32                  |       |
|  | DC Inverter Compressor   | Dual Rotary          |       |
|  | Heat Exchange            | Cu/Al Anti-Corrosion |       |
|  | Refrigerant Weight       | 2.35Kg               |       |
| Water Circuit                                      | Heat Exchanger           | Stainless 316 BPHE   |       |
|  | Water Connections        | 1" NPT               |       |
|  | Water flow (Max)         | 8 GPM                |       |
|  | Max / Suggested Pressure | 90 PSI / 25 PSI      |       |
| Diemions WxHxD                                     | (mm)                     | 1170*1550*500        |       |
| Net weight   | (Lbs.)                   | 276 Lbs.             |       |
| Noise Level  | dB(A)                    | 49                   |       |



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