

CHILTRIX CX50

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.

CX50 Air-to-Water Heat Pump

ABOUT THE PRODUCT

Introducing the CX50: Chiltrix's larger outdoor air-to-water heat pump unit. The CX50 boasts cutting-edge technology, maintaining Chiltrix's award winning controls while embracing a more sustainable approach with eco-friendly refrigerant. With record-setting heating and cooling efficiency, the unit has been optimized for heating performance, delivering exceptional performance.

With a powerful cooling capacity of 3.5 Tons and a heating capacity of 4.8 Tons, the CX50 stands as the ultimate outdoor unit solution for residential HVAC.

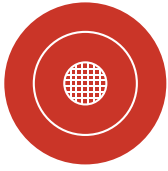
Chiltrix air-to-water heat pumps' standout feature is their unique "monoblock" design, where all refrigerant and essential components, including the compressor, evaporator, and condenser, are safely enclosed within the outdoor unit. This intelligent design ensures that no refrigerant is present inside the home, prioritizing safety and environmental friendliness. The CX50 effortlessly connects to the indoor system via insulated water lines, offering a seamless and efficient home heating and cooling experience.



Complete a System

Unico 3-5 ton units

Shown M3036 3 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
CX50 AIR-TO-WATER
HEAT PUMP**

3.5 Tons Cooling / 4.75 Tons Heating
IPLV Cooling 41,285 BTU EER 21.2
Heating 56,983 BTU COP 4.62 @W95/A47
Heating Seasonal Average COP 4.55 (SCOP)

The CX50 is Stackable up to 3 units,
up to 118,000 BTU Heating / 82,000
BTU Cooling.

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



CX50 R32 DC Dual Inverter Heat Pump Specifications		
Per AHRI 550/590	Ambient / LWT (°F)	Capacity BTU / COP
Heating	47F / 95F	56,983 4.62
	32F / 95F	45,347 3.71
	17F / 95F	37,636 3.12
Cooling	IPLV EER (W 44F)	41,285 21.2
	EER (A 95F W44)	41,285 10.27
Compressor	Dual Inverter Rotary	Mitsubishi
RLA / LRA / Min Circuit		17a / 24a / 30a
Power		208-240V/50-60Hz
Max.Water Temperature (F)		131F
Operating Range (F)		-17F ~ 122F
Refrigerant Circuit	Refrigerant	R32
	DC Inverter Compressor	Dual Rotary
	Heat Exchange	Cu/Al Anti-Corrosion
	Max. Air Flow	3300 CFM
Water Circuit	Heat Exchanger	Stainless 316 BPHE
	Water Connections	1.25" NPT
	Water flow (Max)	13 GPM
	Max / Suggested Pressure	90 PSI / 25 PSI
Unit Dimensions WxHxD	(mm)	1115*1280*425
Package Dimensions WxHxD	(mm)	1170*1550*500
Net weight	(Lbs.)	312
Gross weight	(Lbs.)	335
Noise Level	dB(A)	52



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