

SMALL-DUCT CENTRAL HEATING & AIR CONDITIONING
for the design of Custom Homes



The Unico System[®]

Function and Form Happily Co-Exist

The aesthetics of your custom home are maintained with the Unico System® — walls are not marred by unsightly metal registers that streak or stain. Small, subtle outlets blend perfectly into your design.

The Unico System uses less than one-third of the space in the built environment than a traditional system. It can deliver up to 3-tons of air conditioning in the same space as required by a 1-ton conventional unit.

Quiet Performance

The conditioned air from our system is delivered quietly and seamlessly. The supply tubing is designed for efficiency and also to minimize sound, bringing the decibel levels down to the equivalent of a soft whisper. This is due to the nylon inner core and the insulation, which absorb the sound created from the air movement.

The air handler is also designed to isolate noise and vibration. While you'll feel the comfort our system provides, you'll never notice it's running.

Draft-Free, Even Temperatures

Traditional systems deposit the air into the room causing drafts and uneven temperatures.

Through an air principle called aspiration, the Unico System air enters a room and creates a gentle suction around itself that draws the room air into its stream, creating an even, draft-free environment, providing comfort with more moderate thermostat settings.

Removes 30% More Humidity

The Unico System provides greater humidity removal, up to 30%, with the superior and efficient design of our cooling coils, creating a perfectly comfortable environment. What this means for you is that you can have your thermostat set higher than you typically would, yet have the conditioned space feel as though your thermostat is set lower, saving you energy and money.

Efficiency

Not only does our flexible ductwork fit seamlessly into custom homes, but it also adds to the energy efficiency of our system. With no air leakage and no thermal loss, 100% of the system's energy is delivered to the conditioned space.

THE UNICO SYSTEM® UNCOMPROMISING COMFORT

All across the country, custom home owners are enjoying the high performance and superior comfort of the Unico System. No matter what physical configuration you're considering, installing the Unico System is always a possibility — without compromising the design of your new home.

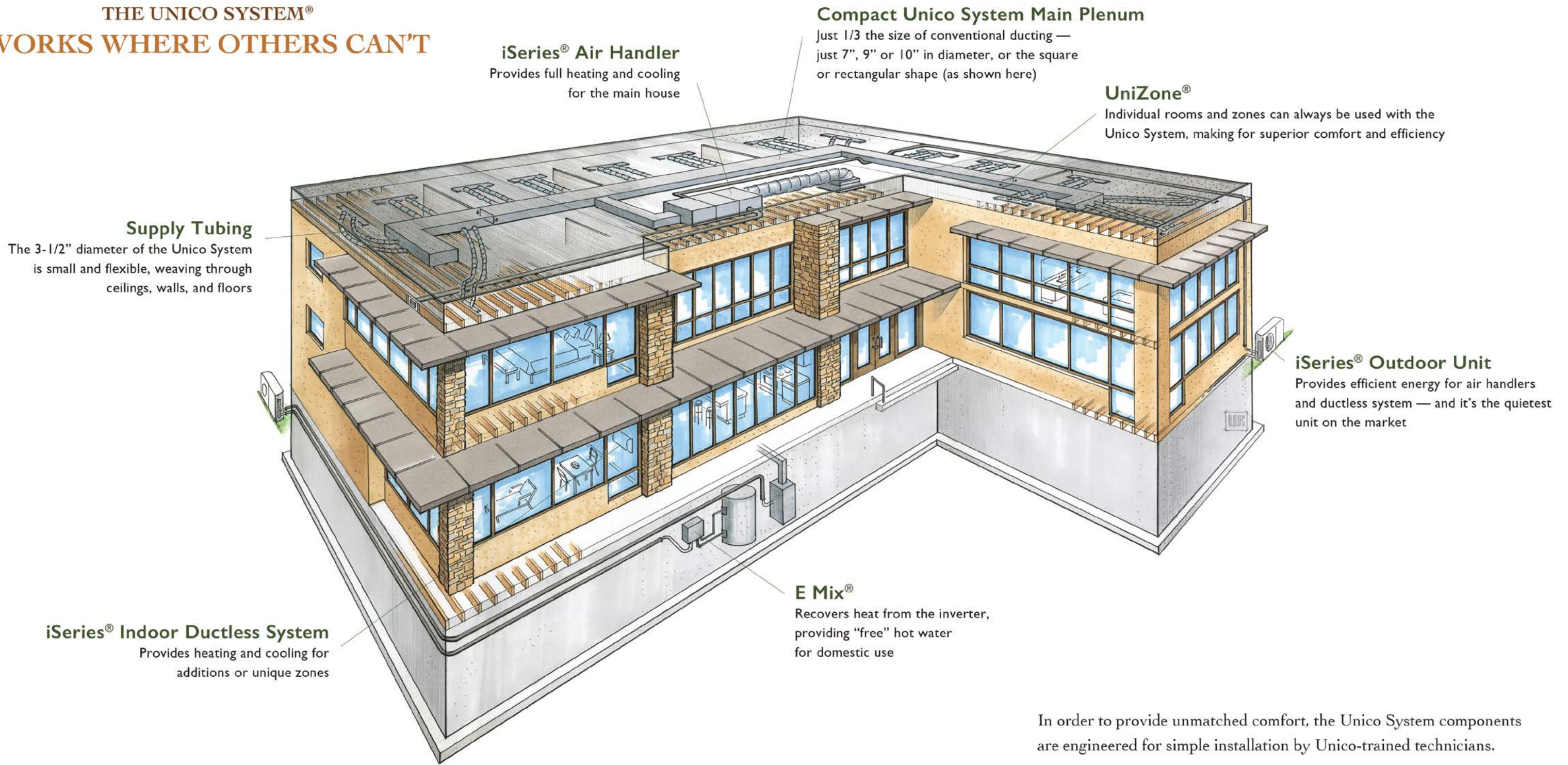


Fits Any Space

The Unico System fits where other conventional cooling and heating systems can't. The modular air handlers and coils can be easily installed into attics, ceilings, crawlspaces, and closets. The flexible small ducts can be routed through ceiling joists, floor or wall cavities — eliminating the need for unsightly and noisy metal ductwork and the soffits they require!

unicosystem.com (800) 527-0896

THE UNICO SYSTEM®
WORKS WHERE OTHERS CAN'T



iSeries® Air Handler
Provides full heating and cooling for the main house

Compact Unico System Main Plenum
Just 1/3 the size of conventional ducting — just 7", 9" or 10" in diameter, or the square or rectangular shape (as shown here)

UniZone®
Individual rooms and zones can always be used with the Unico System, making for superior comfort and efficiency

Supply Tubing
The 3-1/2" diameter of the Unico System is small and flexible, weaving through ceilings, walls, and floors

iSeries® Outdoor Unit
Provides efficient energy for air handlers and ductless system — and it's the quietest unit on the market

iSeries® Indoor Ductless System
Provides heating and cooling for additions or unique zones

E Mix®
Recovers heat from the inverter, providing "free" hot water for domestic use

In order to provide unmatched comfort, the Unico System components are engineered for simple installation by Unico-trained technicians.

THE UNICO SYSTEM® CREATING BEAUTIFUL COMFORT

With the advanced technology of the Unico System, your custom home can enjoy efficient, draft-free air conditioning and heating. With each iSeries inverter unit, your home can have up to four air handlers or indoor ductless systems, all with zoned comfort!



The Unico System Supply Outlets provide quiet delivery of high velocity air to the conditioned space. Unico outlets come in 2" round and 1/2" x 8" slotted and are available in a variety of colors and materials.



Supply tube showing its sound-deadening insulation

The Unico System supply tubes are available in either 2 and 2.5" I.D. (inside diameter). They are often referred to as Sound Attenuating due to the sound deadening properties of the duct. The tubes' core is made with nylon, which is then wrapped with insulation and finally wrapped with an outer vapor barrier to eliminate moisture and thermal losses.



At the heart of the Unico System is our air handler, which contains the blower housing module and the fan coil module. They can be configured horizontally or vertically to ensure they will fit wherever needed. The air handler can easily be installed above ceilings or in crawl-spaces, closets or basements.

Outlets

Round or slotted, our custom outlets can be matched with any décor.

Supply Tubing

The ductwork of the Unico System is small and flexible, weaving through ceilings, walls, and floors. Electronically controlled dampers can be installed to allow for up to four individual zones with each air handler.



Electric Duct Furnace

Unico's Electric Furnace is quiet, and replaces natural gas furnaces — all while providing comfortable, controlled heat throughout your home or building.

Air Handler

To ensure the best performance possible for your home, Unico System air handlers are available in five sizes and three models — standard, iSeries, and our E.C. Air Handler, which features the S.M.A.R.T Control Board and an even more efficient electronically commutated (E.C.) motor.



iSeries® Inverter Units

This outside unit can be used with up to four air handlers or ductless systems.



Unico, Inc. has partnered with Italian manufacturer, Argoclima, to introduce the iSeries line, including refrigerant-based outdoor inverter units that are incredibly energy efficient, earning a high SEER rating. They range from 1 to 3.5-tons and have ports to connect up to four indoor units. The line also includes the Unico System small duct and iSeries ductless units that generate less than 23 decibels of sound, making them some of the quietest products in the industry.

THE UNICO SYSTEM® DUCTLESS SYSTEMS

The iSeries® ductless high wall units provide duct-free heating and cooling comfort efficiently and just where you need it.



Compact and Light Weight

Installation of the indoor high wall units is made easy by the compact design and light weight. The larger of the two units measures just 9"D x 39"L x 11"H and weighs only 26 lbs.

Quiet

The high wall units are exceptionally quiet at just 23 dB while running. This is the equivalent of a soft whisper.

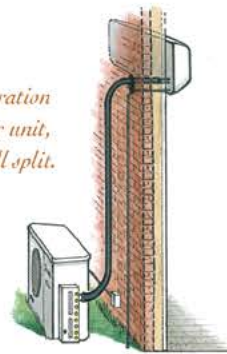
Remote Control Thermostat

iSeries indoor high wall units come standard with a thermostat remote control, which can also be mounted to a wall like a standard thermostat. The remote can be programmed to control up to four different units at once, providing the ultimate control.



iSERIES
The Unico System®

*Section illustration
of iSeries inverter unit,
coolant lines and high wall split.*



THE UNICO SYSTEM®

THE PERFECT SOLUTION FOR CUSTOM HOMES

No matter what style or physical configuration of custom home you may build, the Unico System can provide you with high performance heating and cooling comfort. Crafted to weave through and around any construction technique — including log and timber frame homes — the Unico System's design flexibility is the perfect solution for your new custom home, providing you with years of uncompromised comfort.

Ready to experience the amazing benefits of including the Unico System in your custom home? Call (800) 527-0896 or email us at sales@unicosystem.com today!

Efficiency You Can Expect From The Industry Leader

Unlike conventional HVAC, the Unico System operates from a sealed, pressurized system, minimizing duct leakage, putting the Unico System in an efficiency class all by itself. As a result, Unico System is the exclusive product of choice for Brad Pitt's 'Make It Right Development' community in New Orleans.

Specifications

Equipment	BTUs	Dimensions (H" x W" x L")	SEER
UI218L	18000	12 x 20 x 38	16.5
M2430BLI	18000	12 x 20 x 38	16.5
M2430CLI	30000	18 x 25 x 28	16.5
M3036BLI	30000	18 x 25 x 28	16.5
M3036CLI	36000	18 x 30 x 28	16.5
M3642BLI	36000	18 x 30 x 28	16.5
M3642CLI	42000	18 x 38 x 28	16.5
M4860BLI	42000	18 x 38 x 28	16.5
M4860CLI	60000	18 x 38 x 38	16.5
V2430	30000	42 x 20 x 20	16.5
V3036	36000	42 x 20 x 24	16.5
V3642	42000	44 x 24 x 25	16.5
IS12MPA	12000	11 x 9 x 32	20
IS24MPB	24000	11 x 10 x 39	20
IS18G050	18400	25 x 14 x 35	20
IS24G065	22000	30 x 16 x 41	20
IS30G080	30150	33 x 16 x 49	20
IS36G110	38100	42 x 16 x 47	18

Operating Temperature Range for all units

(Far exceeds the range of traditional heat pumps)

Cooling Heating

122F Max, -5F Min -25F Min, 75F Max

The Unico System®



The Unico System Proudly Promotes Green Building Standards and Practices

While every Unico System installation promotes energy efficiency ratings that are among the industry's best, at Unico, we are continually looking for new and innovative ways to provide high quality hvac solutions, while also leaving a lighter footprint on our environment.

From zero-leakage to zero-thermal loss, Unico, Inc. is a company dedicated to the advancement of green construction and a proud leader of green technology you can measure.

To learn more, visit, unicosystemgreen.com

Unico, Inc.
7401 Alabama Avenue
St. Louis, MO 63111

Office: (800) 527-0896 Fax: (314) 457-9000

Email: sales@unicosystem.com

unicosystem.com



National Trust for
Historic Preservation
Save the past. Enrich the future.



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