

The "Comfort Question" for larger homes

Comfort-Air Systems are ideal for homes of all sizes. However, today's larger homes, with multiple zones, often have advanced on-demand requirements needed to assure daily comfort.

These homes sometimes require a more sophisticated approach to the way they coordinate these three comfort essentials:

1



AIR CONDITIONING

2



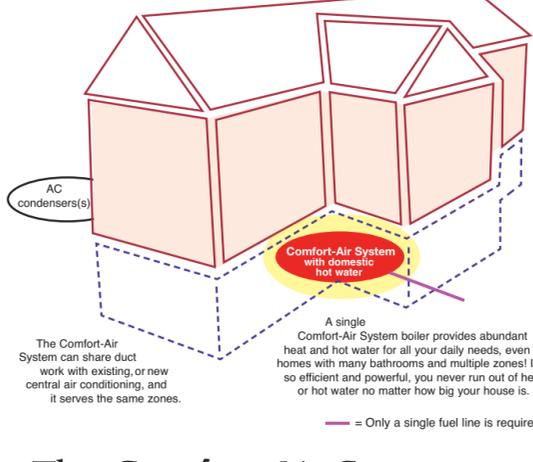
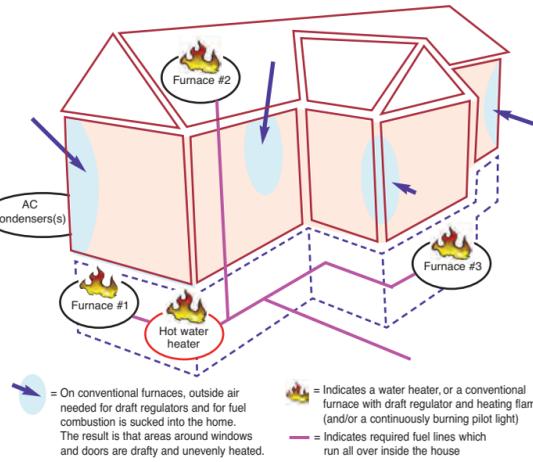
INTERIOR HEAT

3



HOT RUNNING WATER

How does a modern home-owner meet these three needs safely and economically?



The traditional way

Shown above is a conventional home heating system with duplicate equipment, open flames, draft regulators and fuel lines that criss-cross inside the house.

Even in small homes, each of the three comfort essentials (see top of page) traditionally requires its own isolated equipment: usually a boiler or furnace for heat; a water heater for hot water; and condenser for air conditioning. But for larger houses with multiple zones, often two or more systems are installed. (In two and three zone homes, this extra equipment is often located in the garage or attic.) Now, the Comfort-Air System has changed all that.

The Comfort-Air System way

In the Comfort-Air System, a single high-efficiency station meets all the heat, floor warming and hot water requirements for several zones.

The Comfort-Air System is the sensible and safe way to assure your comfort. Even in large, multi-zone homes, a single ultra efficient boiler provides heat, floor warming and virtually unlimited hot water for bathrooms, kitchens and laundries. And the Comfort-Air System operates as much as 40% more efficiently than conventional systems. The Comfort-Air System effortlessly produces all the heat energy needed for multiple zones. And there are NO continuously burning pilot lights, draft regulators or criss-crossing fuel lines!

Comfort-Air System Equipment	Hot Water Output*	Heat Output	AC Compatible	Fuel Options
System 2000 EK-1 [†]	Max to 228 GPH	83 to 121 MBH Up to 15 zones	Yes	Oilheat, Propane, Natural Gas
System 2000 EK-2 [†]	Max to 395 GPH	147 to 206 MBH Up to 15 zones	Yes	Oilheat, Propane, Natural Gas

*Hot water first hour draw in gallons per hour (GPH) at 77° F temperature rise w/40 gallon tank



[†]As an Energy Star[®] Partner, Energy Kinetics has determined that this product meets the Energy Star[®] guidelines for energy efficiency.

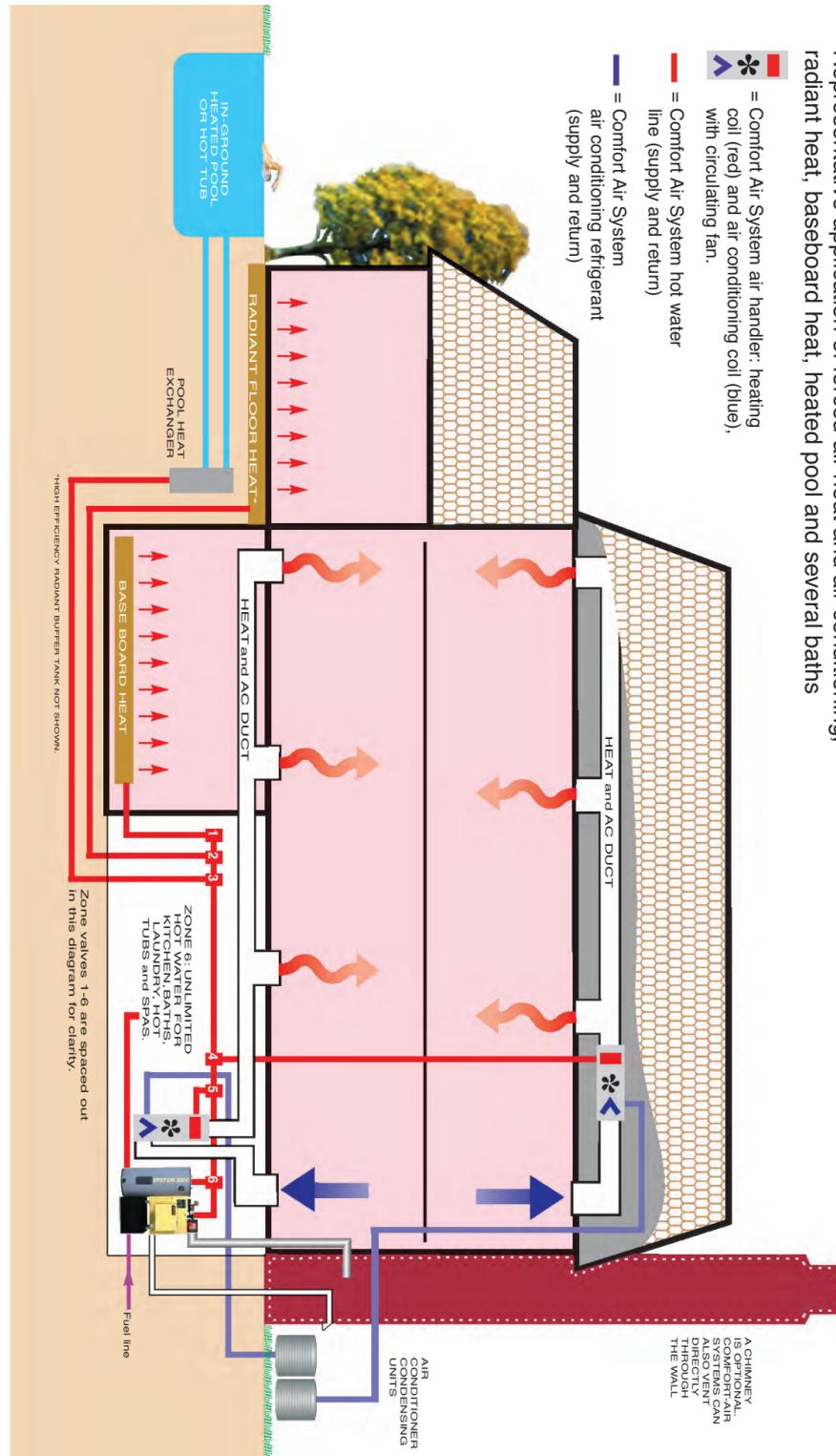
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Authorized
Energy Kinetics
Dealer:



Typical Comfort-Air System installation

Representative application of forced air heat and air conditioning, radiant heat, baseboard heat, heated pool and several baths



Total air conditioning



Gentle interior heat

Near endless hot water



The gentle heat and hot water solution . . .



As an Energy Star[®] Partner, Energy Kinetics has determined that System 2000[®] meets the Energy Star[®] guidelines for energy efficiency.



Enjoy the satisfying feeling
of exceptional home conditioning comfort
— from Energy Kinetics.

Comfort-Air System™

THE PROVEN TECHNOLOGY
FROM ENERGY KINETICS
FOR AIR CONDITIONING,
HEAT AND HOT WATER.



The Comfort-Air System from Energy Kinetics is the proven way to enjoy a lifetime of stable, reliable air conditioning, gentle heat and robust hot water.

You're surrounded with clean air that's gently conditioned — and you have almost unlimited hot water that's available day and night.

Clean performance- and the safety of sealed combustion.

The Comfort-Air System from Energy Kinetics delivers unmatched residential and commercial heating and air conditioning that's clean, safe and worry-free.

FEATURES :

Efficient and economic.

Comfort-Air System boilers operate as much as 40% more efficiently than conventional boilers and furnaces. Your fuel savings *really pay off.*

Comfort Air boilers use hybrid "energy recovery" and low mass technology that save fuel and protect the environment. Heat is not wasted in a Comfort Air System boiler.

Safe combustion

Comfort-Air System boilers use the safest heat and hot water technology known. In addition, the closed combustion passage on Comfort-Air System boilers vents only to the outside, keeping comfortable conditioned room air *in* — and cold, dry, hot or humid outside air *out*. This assures high air quality, maximum efficiency and trouble-free operation in today's extremely well-insulated homes.

And unlike conventional furnace systems, unsafe gases never get near your air circulation ducts. (Conventional furnaces transfer heat directly from combustion

gases to your ductwork, often with only a thin layer of metal, called a *heat exchanger*, separating those gases from the air you breath. (See the illustration.) A breach in a conventional heat exchanger, even a pinhole, can expose you and your family to noxious fumes.

Added safety: In addition, only one electronic-ignition boiler is needed for all your heat and hot water requirements. Some conventional multi-zone systems have 3-5 separate burners, and require fuel lines piped throughout your house. Some even have open pilot flames that run continuously, lowering system efficiency.

Clean and quiet operation

Comfort-Air System boilers use sealed combustion, which means exceptional comfort. There's no flue draft regulator sucking cold, dry, hot or humid outside air into your living spaces. Drafts are virtually eliminated. And tests show that Comfort-Air System boilers run with less noise than a micro-wave oven. They're sooooo quiet!

Flexible Zone Control

A single Comfort-Air System boiler can heat your entire home, *no matter how many heating areas you have.* There's no need for costly duplicate boilers and furnaces or water heaters hiding in your attic or garage.

Humidity friendly

Comfort-Air Systems heat your home by flowing air over a hot water coil. With the Comfort-Air System, your environment is filled with gently warmed air that is not scorched or dried out. Your humidity levels are more comfortable and balanced (and plants thrive).

Versatile fuel options and a choice of hot water tank sizes

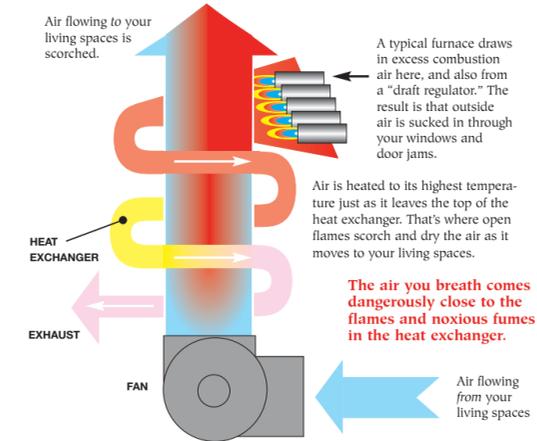
Comfort-Air System boilers are available for oilheat, natural gas or propane applications. And there's a Comfort-Air System boiler and hot water storage tank to fit your exact space and hot water requirements. Chimney or sidewall vent are available. In addition, Comfort-Air Systems work with any heating application including:

- | | |
|------------|-------------------|
| Radiant | Toe kick heaters |
| Base board | Unit heaters |
| Forced air | Pools and spas |
| Radiators | Heat pump backups |

Unlike conventional furnaces, the Comfort-Air System *gently* heats your environment — with air warmed by hot water.

A conventional furnace

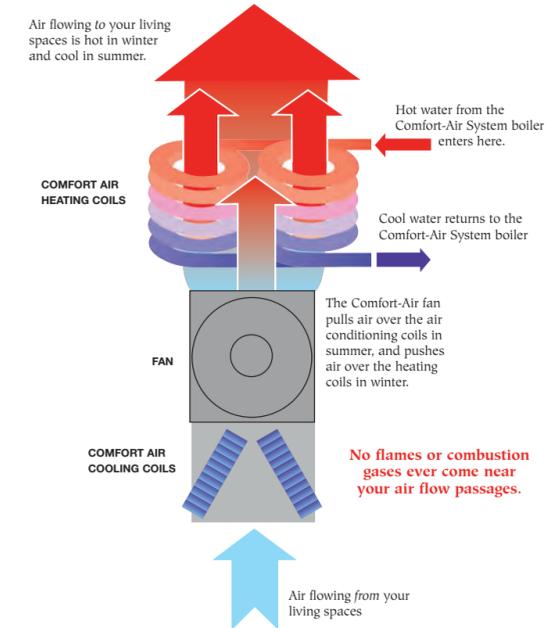
A conventional furnace heats air with flames that transfer heat through a thin metal heat exchanger. The air traveling to your living areas is scorched in the process



Open flames and/or gases within a conventional furnace fill the heat exchanger as shown. Any breach along the fragile metal passage may allow dangerous combustion fumes to pass directly into the airflow, *and into the air of your living spaces.*

The Comfort-Air System

The Comfort-Air System air handler (shown below) very efficiently heats your home in winter and cools it in summer. Air is warmed by flowing it gently over coils filled with hot water.



Inside the Comfort-Air System air handler, air from your living spaces travels over, under, around and *through* the heat transfer water coils. Air is warmed evenly and gently by the water-filled coils.



Stable humidity, reliable temperature, clean air and the safety of sealed combustion — that's the Comfort-Air System!



Comfort-Air System boilers are the heart of new forced air installations — and also adapt easily to existing air handling systems.

Choose the Energy Kinetics boiler that's right for your Comfort-Air System application. Choose oilheat, natural gas or propane. Shown above is Energy Kinetics' System 2000.



Comfort-Air System hot water storage tanks come in a variety of sizes to fit every application.



Plants thrive in the controlled environment of the Comfort-Air System.