

ENVIRONMENTALLY COOL BY DESIGN

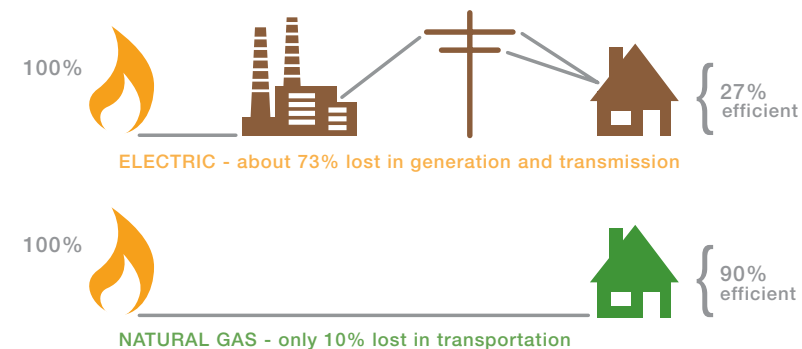
The NextAire Multi-zone GHP was specifically engineered to be easy on the earth while providing a new benchmark of excellence in heating and cooling. Its primary fuel source is clean, plentiful natural gas and uses only a minimal amount of electricity.

Energy efficiency is boosted when the unit captures and uses waste heat from the engine to supplement space heating, making NextAire more efficient than traditional electric HVAC systems.

When it's time for cooling, the intelligent system modulates engine speed to provide exactly the right amount of refrigerant to perfectly condition the space, reducing energy consumption. Multiple air handlers allow for setting varying temperatures in different rooms to conserve additional energy.

Using natural gas at the GHP is the logical, energy-efficient and carbon-conscious choice. Only 10% of energy is lost when transporting natural gas from the wellhead to your home. To generate electricity and bring it to your home, over 70% of the original source energy is lost. (See diagram 2) At the same time, large amounts of carbon are also released into the atmosphere at the power plants when generating electricity. Since the NextAire Multi-zone GHPs use 80% less electricity than traditional electric HVAC systems, they greatly reduce a building's demand for electricity and improves its carbon footprint.

**Diagram 2
RESOURCE OPTIMIZATION**



OUR ENERGY EXPERTS CAN HELP YOU DETERMINE WHAT LEED PREREQUISITES AND CREDITS OUR GHPs CAN HELP YOU ACHIEVE. CALL US TODAY!



A NextAire GHP may potentially help in achieving LEED prerequisite, credits and points.

You might already know that generating electricity at the power plant consumes large amounts of water. In fact, one-half gallon of water is used for every kilowatt produced in a power plant on average. Since NextAire uses so little electricity, one 8-ton Multi-zone GHP saves approximately 17,000 gallons of water a year compared to a similar-sized electric HVAC system.

Noise pollution, when compared to standard electric units, is reduced when using a NextAire GHP. Raindrops are measured at 40 decibels and normal conversation at 60. NextAire registers at less than 59 decibels. Typical electrical HVAC condensers measure over 75 decibels.

ABOUT INTELLICHOICE ENERGY

IntelliChoice Energy is a leader in the development of advanced HVAC technology and is instrumental in the commercialization of cutting-edge heating and cooling products. The company develops technology that takes advantage of the energy-efficient properties offered by natural gas and provides application engineering, training and customer support services.

IntelliChoice Energy is the exclusive distributor of the NextAire Gas Heat Pump (GHP) product line for North America. The NextAire line includes the 8-ton and 15-ton Multi-zone GHPs as well as the 10-ton Rooftop Packaged GHP.



IntelliChoice Energy
2355 W. Utopia Rd
Phoenix, AZ 85027

T 623.879.4664
F 623.879.4665

info@iceghp.com

www.iceghp.com



8-TON & 15-TON MULTI-ZONE

INNOVATIVE

FLEXIBLE

COMFORTABLE

GREEN

QUIET



© 2009 IntelliChoice Energy
IntelliChoice Energy and NextAire are trademarks of IntelliChoice Energy LLC. All other product names, logos, brands, and trademarks featured or referred to within this brochure are the property of their respective trademark holders.

HOT IDEA COOL INNOVATION™



THE DIFFERENCE IS DRAMATIC

The NextAire 8-ton and 15-ton Multi-zone GHPs are driven by a high-efficiency natural gas engine rather than an electric motor to provide heating and cooling. When compared to conventional electric systems, NextAire uses up to 80% less electricity to run at peak performance. This reduces the large amount of water needed to generate electricity at a power plant, optimizes the use of source energy and results in a better carbon footprint.

When in heat mode, a NextAire GHP boosts performance by capturing and using engine waste heat. This increases efficiency and eliminates the cooler-blowing air typical of electric heat pumps (EHPs).

The concept, developed and proven successful in Japan for over 20 years, utilizes scroll compressors, state-of-the-art electronic controls and variable refrigerant flow (VRF) management systems which allows for multiple independent zones.

The Multi-zone GHPs are designed to operate in the high ambient temperature conditions of the desert Southwest. Suitable for both ducted and ductless applications, the systems offer design, architectural and construction flexibility, and provide exceptional comfort with the independent thermostat controls. Noise pollution is also greatly diminished thanks to its engine's ultra-quiet operation.

UNLEASHING THE POWER OF REVOLUTIONARY TECHNOLOGY

A new era in heating and cooling technology has dawned and NextAire is leading the way with its revolutionary multi-zone gas heat pump (GHP) system. This next-generation GHP delivers unmatched energy efficiency, outstanding environmental advantages and substantial energy cost savings over traditional electric systems.



THE POWER OF INNOVATION

No matter what the weather is outside, NextAire Multi-zone GHPs give you a perfect balance of comfort inside. The environmentally friendly NextAire 8-ton Multi-zone GHP allows you to maintain individualized temperature settings in up to 17 different spaces, while the 15-ton GHP provides superior flexibility for up to 33 unique zones. You can easily and efficiently customize comfort levels based on usage and personal preference.

One NextAire system can replace multiple, noisy conventional units and operates whisper-quietly at less than 57 decibels for the ultimate in sound control. When maintaining exterior visual appeal is a design priority, the system can be conveniently located up to 400 feet from the building, well out of view.

The system's smaller total equipment footprint offers architects and designers nearly limitless opportunities when planning and designing spaces. This means more open and flexible floor plans, as well as more pleasing rooflines.

NextAire offers a versatile array of ducted or ductless air handlers to accommodate any plan or placement requirements. There are no roof penetrations for exhaust venting or combustion air openings needed. This enables simplified piping design and reduces or eliminates soffit cost.

One outdoor unit, which requires only a small concrete pad, can replace multiple outdoor electric condensing units and gas furnaces. Precious square footage is also saved, when compared to chiller-boiler systems, because NextAire GHPs do not require cooling towers or mechanical rooms. NextAire utilizes single-phase power, so even the electric panels are smaller.

Economical and efficient, NextAire's running and maintenance costs can be as much as 30% less than an electric heat pump, with power consumption up to 80% less. You'll see impressive water savings as a result of that too. Since a half gallon of water is consumed for every kilowatt of electricity produced, 17,000 gallons of water can be saved annually by using just one NextAire GHP.

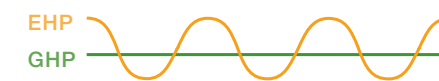
APPLICATIONS AND FEATURES

- Suitable for commercial buildings and custom homes requiring commercial heating and cooling equipment
- Can be ground mounted on concrete pad or roof mounted
- Can be placed up to 400 feet from the building
- Uses ozone-friendly, chlorine-free, next-generation R-410A refrigerant
- Designed for operation in the high ambient temperature conditions of the desert Southwest
- Manufactured by AISIN, a member of Toyota Group, bringing with it a track record of product excellence and reliability
- Intelligent, computer-based logic system
- Many types of indoor air handlers available

DISTINCT ADVANTAGES

- Potential to achieve LEED prerequisites, credits and points
- All-in-one, space-saving unit that both heats and cools
- Cost-efficient to operate and easy to maintain
- Frees up square footage with no cooling towers or mechanical rooms
- Multi-zone temperature control for greater occupant comfort
- Innovative building design and construction potential with ductless and ducted capabilities
- Lifecycle cost advantages over traditional electric HVAC systems
- Reduces a building's HVAC system's electrical demand by 80%
- Helps businesses avoid high time-of-use charges by reducing peak electric demand
- Smaller carbon footprint when compared to generating electricity to power traditional electric HVAC systems
- One unit saves a small swimming pool of water per year
- Intelligent and highly efficient (See Diagram 1)

Diagram 1 INTELLIGENT AND HIGHLY EFFICIENT



NextAire GHPs are equipped with an electronic speed controller that regulates the revolution rate of the engine by taking both indoor and outdoor temperatures into account. This results in minor energy loss and a constant indoor temperature when compared to traditional EHPs.

ONE-OF-A-KIND BENEFITS

	Natural Gas Heat Pump (VRF)	Electric Heat Pump	Electric Heat Pump (VRF)	Natural Gas Forced Air Furnace	Electric A/C Condenser	Chiller-Boiler System
Recovers waste heat	■	-	-	-	-	-
Potential to reduce a building's electric requirements	■	-	-	■	-	-
Environmentally friendly (Saves water & optimizes the use of source energy)	■	-	-	■	-	-
Quieter than 59 decibels	■	-	■	-	-	-
Up to 33 zones with individual climate control	■	-	■	-	-	■
Ducted air handlers	■	■	■	■	■	■
Ductless air handlers	■	■	■	-	-	-
Located remotely from building (up to 400 feet)	■	-	■	-	-	■

EQUIPMENT OVERVIEW

Features	8-ton Multi-zone GHP	15-ton Multi-zone GHP
Equipment Dimensions		
Height	6'11"	6'11"
Width	4'8"	6'11"
Depth	3'3"	3'3"
Zones	Up to 17 zones	Up to 33 zones
Capacity		
Cooling	96,000 BTU/h	180,000 BTU/h
Heating	103,000 BTU/h	205,000 BTU/h
Compressor	2 - Scroll	4 - Scroll
Equipment Manufacturer	AISIN, a member of Toyota Group	
Application	Commercial buildings & custom homes	
Installation	Ground or roof mounted, ducted, ductless, or combination of both	
Power supply	Single-phase 208 or 230	
Max. starting current	20 Amps	
Refrigerant	R410A	

