

The New American Home featuring ēcovaire Multi-zone Gas Heat Pump by AISIN

The New American Home 2009 is the showcase house produced in conjunction with the 2009 International Builders Show. The New American Home (TNAH) sets the standard for the latest, most innovative home products, technologies and design trends in the building industry. The ēcovaire multi-zone gas heat pump (GHP), manufactured by AISIN, was selected as the HVAC system for the home because of its energy efficiency, unparalleled zoning capabilities, and other outstanding advantages.



AT A GLANCE - HVAC at The New American Home 2009

Builder	Blue Heron
Location	Custom homes of Marquis, Agave Azul Court, Las Vegas, Nevada
Installer	All Air Systems
Designer	Team Consulting
Product	ēcovaire Multi-zone GHP by AISIN
Conditioned area	9,000 square feet
Stories	4
Total system capacity	23 RT (includes one 8-ton and one 15-ton unit)
Indoor air-handlers/zones	22

Key Benefits

- Cost advantage
- Smaller electric panel size
- Outstanding comfort
- Space saving
- Extremely quiet
- Energy efficient
- Environmentally friendly



ēcovaire



One-of-a-kind Benefits

Below are some of the many benefits the EcoVaire multi-zone GHP delivered to The New American Home 2009.

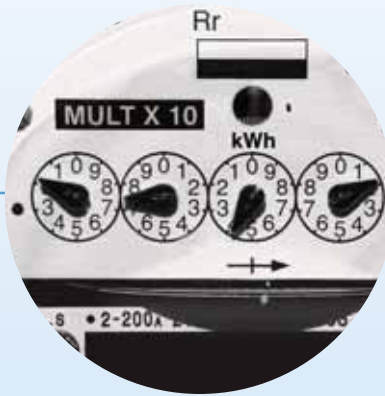
COST ADVANTAGE

Reduced number of outdoor equipment, lower electric requirements, elimination of power transformer equipment, and lower operating cost all contribute to superior cost advantage.



SMALLER ELECTRIC PANEL SIZE

The EcoVaire multi-zone GHPs use only 10% of the electricity electric heat pumps would require. Additionally, GHP uses single-phase power. These benefits mean that smaller electric panels can be used.



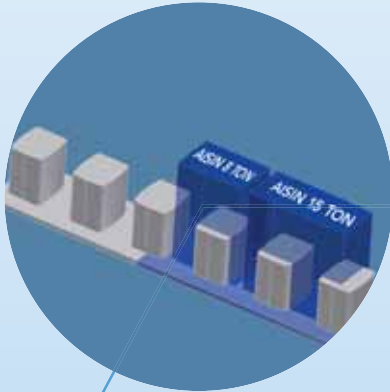
OUTSTANDING COMFORT

The EcoVaire multi-zone GHPs produce hotter air, heating up any space faster than electric heat pumps. Also, the EcoVaire multi-zone GHPs provide outstanding comfort by operating at variable speeds to optimally condition each space.



SPACE SAVINGS

The EcoVaire multi-zone GHPs' smaller total equipment footprint enhances property aesthetics and require smaller concrete pads.



EXTREMELY QUIET

The EcoVaire multi-zone GHPs operate at around 56 decibels, or about as loud as a refrigerator. Traditional electric units operate louder than 75 decibels.



ENERGY EFFICIENT

Captures and uses waste heat from the engine to supplement space heating, making the EcoVaire multi-zone GHPs more efficient than electric heat pumps or even forced air gas furnaces.



ENVIRONMENTALLY FRIENDLY

On average, 1/2 gallon of water is used for every kilowatt produced in a power plant. GHPs save more than 90,000 gallons of water a year, simply by not consuming electricity. This is equivalent to three times the water in The 2009 New American Home's swimming pool.

EcoVaire

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