

CGC Group
supplied 1000
Hybrid Heat Pumps
for one of the greenest
buildings in America,
The Riverhouse.

Manhattan, N.Y.





Riverhouse is one of the greenest residential buildings in America, exceeding LEED Gold certification (Leadership in Energy and Environmental Design).

With its signature Oxygen Green environment, Riverhouse utilizes environmentally responsible materials, landscaped roof gardens, progressive filtration and recycling technologies that combine to offer residents the healthiest luxury living in New York City.

On the outside, a high-tech solar photovoltaic grid traces the sun's daily trajectory for maximum solar energy efficiency. Open roof areas are a complex of green roofs that are 75% covered in vegetation.

Inside, locally sourced renewable materials are finished with low or non-pollutant paints and adhesives to bring down overall environmental impact and provide healthy living. Residents will enjoy twice filtered air, filtered water, non-toxic materials and lower energy costs.

The heating and air conditioning systems are provided by CGC Group Hybrid Heat Pump Systems. With its signature design of reclaiming and conserving energy, tenants will enjoy lower energy costs as well as whisper quiet operation.

Unlike conventional heat pumps, CGC Hybrid Heat Pumps do not operate compressors in order to deliver heat and consequently significantly reduces the electrical consumption. In the summer cooling mode, the high efficient design also reduces energy consumption. The CGC units were selected in part due to their very low sound levels in all modes of operation. They are barely noticeable in the heating mode with the compressors turned off.

This 32-story luxury condominium features unobstructed views of the Hudson River.

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The building is configured in a U-shape with three sections of differing heights. The river-facing west wing rises 15 floors above street level, and the city-facing east wing rises 13 floors; both feature landscaped roof gardens and lounge areas for building residents

and their guests to enjoy. The 32-story south-facing section houses a 900 gallon salt water aquarium and a magnificent glass portal that leads to an interior park.

On the luxury living side Riverhouse has all the amenities one would expect in its posh NY locale. Among them a 50-foot lap pool, fully equipped fitness center, dog spa, in-house branch of the New York Public Library, an organic café and on-site parking with reserved spaces for low-emission cars.

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