

Daikin AC's Quaternity™

North America's first inverter split system heat pump system capable of dehumidifying room air and air cleaning functions.

"Quaternity combines a number of innovative features that offer the end user complete control of the temperature, dehumidification and air quality of the environment it serves on a year-round basis," explained Christina Trondsen, Daikin AC's director of marketing.

The Quaternity System, comprising of indoor unit (FTXG) and outdoor unit (RXG) is available in 3 sizes with nominal cooling capacities of 9,000, 12,000 and 15,000 Btu/hr, with SEER levels respectively of 22, 22 and 21 and EER levels respectively of 15.8, 14 and 12.9.

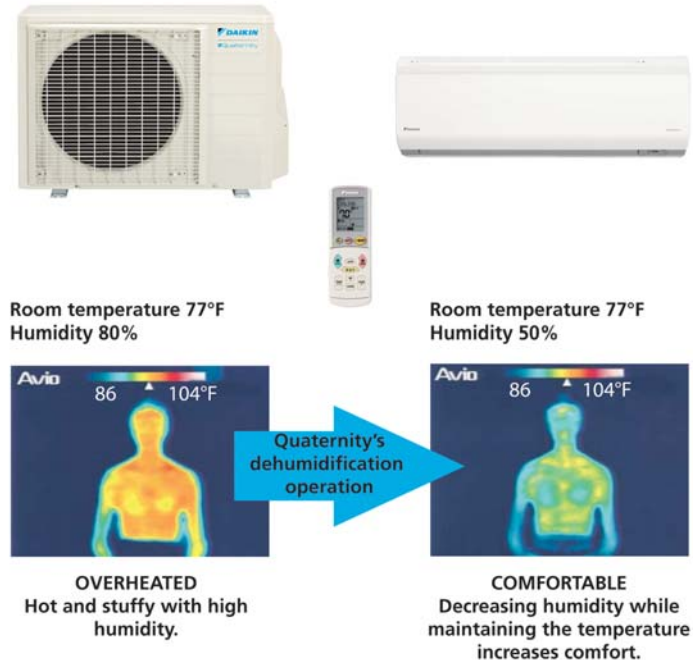
Dehumidifying

During the summer, a high degree of ambient air humidity, even at moderate temperatures, can make a room feel hot and stuffy. Quaternity, however, reduces indoor humidity without affecting the room temperature by mixing dry cool air with warm air to produce comfortable dry air (essentially reheating dehumidifying).

This feature prevents overcooling and will be appreciated particularly by individuals sensitive to cold. If the indoor temperature becomes too high, the system reduces the humidity level by also reducing the temperature (dry cooling). The main advantage of this feature is the user can set higher set-point temperatures (i.e. 76°F) but with a 50% humidity set-point realizing significant energy savings yet still providing a very comfortable environment.

Air Purification

Room air is purified in two stages in the indoor unit. First, the indoor unit filters the dust and pollen and purifies odors through a photocatalytic filter. Second, it is subjected to treatment in the 'Flash Streamer' Air Cleaner – patented by Daikin and incorporated in its latest air purifiers – which breaks down any remaining formaldehyde, viruses and molds, etc.



Other Features

The Quaternity System possess a number of other user friendly features. A 'breeze cooling airflow' function meanwhile, enables a room to feel cool, even at relatively high temperature settings by varying the airflow direction to simulate the effect of a pleasantly cool breeze. Also, comfort during sleep is increased by the 'comfort sleep' mode, which adapts room temperature to match night time fluctuations in bodily temperature. This is achieved by lowering the room temperature by 3.5°F over a 3 hour period and then slowly returning it to the original setting 1 hour prior to set wake up time.

Quaternity is controlled via an easy to read and use hand held remote controller, which displays room humidity and temperature levels in all system operating modes and functions via simple push button operation.

"The Quaternity system now offered in North America, represents the most technically advanced "split system" available globally and tackles a number of operational characteristics normally overlooked with traditional split system technology. With its packed features, excellent all round energy efficiencies and performance range, Quaternity is significantly raising the bar in innovation to provide the most effective solution for end user satisfaction," said Lee Smith, Daikin AC's director, product engineering and applications.

Contact Information

*For More Information Contact:
Marc Bellanger,
Marketing Manager
972-512-1910
marc.bellanger@daikinac.com*

About Daikin AC

Daikin AC offers North America intelligent heating and cooling solutions with superior energy performance and sophisticated design. These advanced systems fall under the VRV®, VRV-S®, SkyAir, and Quaternity product names.

The company, based in Carrollton, Texas, is a subsidiary of Daikin Holdings (USA), Inc., which is owned by the Japanese-based Daikin Industries, Ltd. For more information, visit daikinac.com.