LG
Life's Good

HEALTHCARE

LG Air Conditioning Systems

LG Technology for Medical Office Buildings and Hospitals

Multi V

LG Electronics, a leading provider to the healthcare industry, brings state-of-the-art modular design to improve comfort in problem areas within medical facilities.

IMAGINE less or no duct work, lower utility bills... LG Technology.

Multi V Benefits

- MODULAR DESIGN
- SUSTAINABLE TECHNOLOGY
- REDUNDANCY

LG Multi V, an architect's best friend for upgrading building aesthetics, keeping, reducing, or eliminating the need for a cooling tower all together... Multi V offers a flexible design choice.

Although the LG Multi V system works as one system, each unit can be isolated for heat/cool. Should any unit require maintenance or service, each unit compressor, heat exchanger or electrical service can be isolated while the system and other units continue to operate.

Modular design adds a higher level of redundancy to your building.

HEALTHCARE

LG Multi V

The benefits of quiet, energy efficient building innovations

Indoor units come in a variety of design styles, including wall, floor and ceiling surface mount, ceiling flush and recessed concealed mount to blend in with its surrounding design, seamlessly.

Additional Benefits:

- Modular design adds a high level of redundancy to your facility
- Turn mechanical rooms into usable space
- Works with existing systems and delivers low ownership cost

Multi V
The Best Solution for Healthcare

ENERGY EFFICIENT

Operational Cost

This innovative VRF system technology delivers exceptional comfort while delivering value, to buildings with lower energy consumption.

MULTI V III

System Efficiency

An energy efficient system from LG Multi V III allows you to use only what you need, when you need it.

BUILDING MODELING SOFTWARE

EnergyPro™ V.5 building energy simulation software provided by EnergySoft®, using the following accreditations:

- Uses DOE-2.1E simulation engine from U.S. Department of Energy
- Approved by the California Energy Commission
- Accepted by USGBC for use with LEED® certification
- Incorporates ASHRAE based load calculations

BUILDING DESCRIPTION

- Total Area (Sq. Ft): 133,600
- Total levels: 6
- Basement level walk-out
- Zones: 145
- Infiltration (CFM): 0

DESIGN PARAMETERS

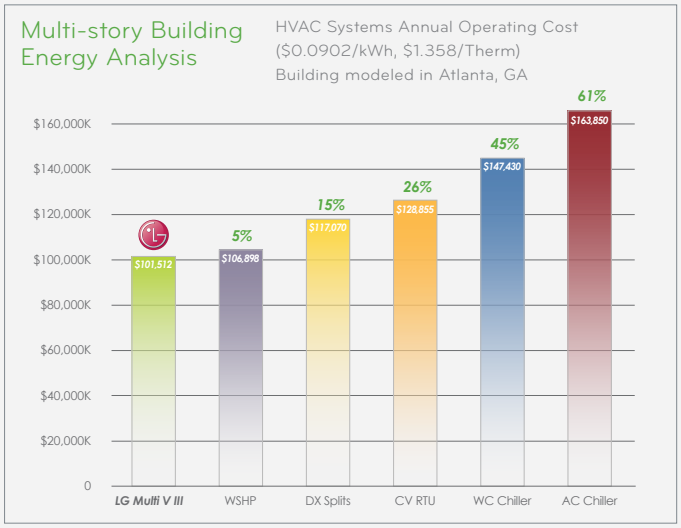
The utility rates used for the energy analysis were assigned based on regional data acquired from the U.S. DOE

The building energy analysis was performed using ASHRAE design temperatures for Atlanta, GA

The city design conditions were used to model the performance of six different types of HVAC systems:

- LG Multi V III, Water Source Heat Pumps (WSHP), Duct Free Split (DFS) Systems, Constant Volume Rooftop Package Units and 4-pipe chilled water/hot water (CW/HW) central plants: one using air cooled chillers, one using water cooled chillers.

Building Type: office



AHRI CERTIFIED™ www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

Inverter

LIFE'S GOOD...WHEN IT'S GREEN.

Potential energy savings may vary depending on your personal system settings, equipment maintenance, local climate, actual construction and installation of equipment, and duct system

U.S. GREEN BUILDING COUNCIL MEMBER

LG Life's Good

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