

LG INTRODUCES BRAND NEW MULTI V 5 VRF SOLUTION WITH ULTIMATE INVERTER COMPRESSOR

*New Model Featuring Dual Sensing Control and Ultimate Inverter Compressor
Technology for Ultimate Performance, Reliability and Efficiency*

SINGAPORE, February 1, 2018– LG Electronics (LG) has announced the release of its brand new MULTI V 5 Variable Refrigerant Flow (VRF) solution. The latest in the company’s successful MULTI V line, this model pushes boundaries with streamlined functionality that optimizes energy efficiency and maximizes user comfort. The MULTI V 5 is equipped with innovative Dual Sensing Control that monitors temperature and humidity levels to manage cooling and heating efficiently. Equipped with LG’s Ultimate Inverter Compressor and boasting a large capacity for outdoor units, the MULTI V 5 is a powerful climate control solution.

“We are extremely proud of the MULTI V 5, our new flagship system air conditioning solution,” said Mr. Terry Kim, Product Director of Air Conditioning and Energy Solutions. “As our fifth generation VRF system, it implements a range of innovative technologies to offer customers unparalleled energy efficiency and comfort. Making advanced climate control technology even more accessible, this industry-leading solution provides excellent operational savings and greater comfort to our customers across the globe.”

Dual Sensing Control

One of the most impressive features of LG’s MULTI V 5 is its Dual Sensing Control which helps the air conditioning unit evaluate climate conditions down to the smallest detail. Unlike conventional air conditioners which only track temperature, the MULTI V 5 measures both temperature and humidity levels for outdoor and indoor environments. This comprehensive understanding of multiple climate conditions helps the solution determine its parameters to achieve optimal energy efficiency and maximum indoor comfort levels.

Efficient systems like Smart Load Control makes it possible to control outdoor unit discharge refrigerant temperature, increasing energy efficiency anywhere from 15 to 31 percent depending on humidity conditions. Typical VRFs normally fluctuate considerably in order to maintain a set indoor temperature, making them highly inefficient. The MULTI V 5's Dual Sensing Control also has a Comfort Cooling function which maintains operation around the desired temperature, delivering maximum user comfort.

Ocean Black Fin

Equipped with LG's exclusive Ocean Black Fin, the MULTI V 5 is protected from corrosive substances such as salt, sand and other elements brought in by sea winds as well as industrial pollution. The black coating of the Ocean Black Fin heat exchanger keeps water from accumulating, which minimizes moisture buildup. This durability enhancement prolongs the product's lifespan and lowers maintenance costs, paving the way for improved performance.

Ultimate Inverter Compressor

The LG MULTI V 5's new Ultimate Inverter Compressor offers unrivaled efficiency, reliability, and durability. Improving on the 15 to 150 Hz operational range of its predecessor, it operates from 10 Hz to 165 Hz. This widened range increases part load efficiency and enhances the MULTI V 5's ability to quickly reach the desired temperature. The MULTI V 5 features an enhanced bearing system layered with PEEK (Polyetheretherketone) – an advanced material normally used in airplane engines - this efficient infrastructure allows the MULTI V 5 to operate for sustained periods without any oil. In addition, the MULTI V 5's Smart Oil Management uses sensors to check the compressor's oil balance in real time, minimizing unnecessary oil recovery operation.

Large Capacity ODU

With an innovative biomimetic fan, 4-sided heat exchanger, and improved compressor performance, the MULTI V 5's efficiency and capacity have each been enhanced, making it possible for a single ODU to reach 26 HP. Utilizing research from the Seoul National University's Department of Mechanical and Aerospace Engineering, the engineers behind the MULTI V 5 drew on inspiration from humpback whale flippers when designing the fan. Moreover, the solution's advanced biomimetic fan significantly increases wind capacity.

Installation Flexibility

The MULTI V 5's large capacity outdoor units minimize the space, as well as lighten the total load needed for installation. It boasts a 23% reduction in space area and 15% reduction in weight compared to its predecessor¹. With its improved supercooling circuit and refrigerant controlling technologies, the MULTI V 5 also offers the world's best class piping lengths for flexible unit installation. Combined with its improved ODU capacity and compressor efficiency, the MULTI V 5 provides ultimate flexibility for installing its key components within most layouts.

For more information, please visit: <http://www.lg.com/global/business/air-solution/vrf/multi-v-5>

To enquire on the MULTI V 5, please contact viren.rana@lge.com.

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About LG Electronics, Inc.

LG Electronics, Inc. (KSE: 066570.KS) is a global leader and technology innovator in consumer electronics, mobile communications and home appliances, employing 77,000 people working in 125 locations around the world. With 2016 global sales of USD 47.9 billion (KRW 55.4 trillion), LG comprises four business units — Home Appliance & Air Solutions, Mobile Communications, Home Entertainment and Vehicle Components — and is one of the world's leading producers of flat panel TVs, mobile devices, air conditioners, washing machines and refrigerators. LG Electronics is a 2016 ENERGY STAR Partner of the Year. For more news and information on LG Electronics, please visit www.LGnewsroom.com.

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The LG Electronics Home Appliance & Air Solution Company is a global leader in home appliances, air conditioning and air quality systems. The company is creating total solutions for the home with its industry leading core technologies. LG is committed to making life better for consumers around the world by providing thoughtfully designed products, including refrigerators, washing machines, dishwashers, cooking appliances, vacuum cleaners, built-in appliances, air conditioners, air purifiers and dehumidifiers. Collectively, these products deliver enhanced

¹ Comparison basis with 2 rows of outdoor units (26HP x 10 sets) installation case



convenience, superb performance, great savings and compelling health benefits. For more information, please visit www.LG.com.

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