



## **Samsung Electronics launches a new side discharge VRF unit to deliver single outdoor solution for residential and light commercial applications**

*Innovative engineering of new DVM S Eco 14HP delivers greater energy efficiency and improved performance to maximize space*

**Singapore – January 22, 2016** – Samsung Electronics announced the launch of the DVM S Eco 14HP, a new side discharge VRF air conditioner engineered to deliver a single outdoor unit solution for apartment and office buildings.

The improved performance of the Samsung DVM S Eco 14HP ensures that it meets the growing need for a specialized single outdoor unit to reduce the cost of multiple loading and sub-duct installation in multi-room buildings.

The innovative design of the DVM S Eco 14HP features a robust Inverter Scroll Compressor and corrugate fin, which improves efficiency compared to Samsung standard side discharge VRF units.

R&D and design play a key role in how Samsung develops their products to focus on delivering innovative technology and ensuring that the products we deliver are highly efficient. DVM S Eco 14HP delivers exceptional performance with great energy efficiency, and at the same time allows the best use of space with its unique compact design compared to Samsung conventional model.



### **Single solution for residential and light commercial applications**

The increased horse power of the DVM S Eco (maximum 14HP) means that only one single outdoor unit is needed to manage the air conditioning for an apartment or office, in place of multiple costly units. With its extended piping length of up to 160 meters and an installation height of up to 50 meters, it ensures that all parts of the building are well covered. The width of

the new DVM S Eco 14HP is less than one meter (940mm), maximizing capacity with a better use of space, while the four-way piping enables convenient installation.

### **Greater energy efficiency**

The design of the Inverter Scroll Compressor in the DVM S Eco 14HP has improved displacement and velocity due to its asymmetric design that reduces friction loss compared to Samsung conventional model. The use of robust materials means that the unit is reliable even at high speed operation, and ensures optimal oil supply and control. These key factors also contribute to the device's enhanced efficiency.

### **Operating Temperature Range**

The unit also has the advantage of a new Flash Injection Technology which increases refrigerant flow by 32 percent under cold ambient temperature and extends the heating operation range to -25°C compared to Samsung conventional model. In addition, cooling range of the unit is widened to 52°C.

This new DVM S Eco 14HP air conditioner will be launched on February 16, 2016, in Singapore. For more information, please visit <http://www.samsung.com/sq/business/business-products/system-air-conditioner>.

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*\* Based on Samsung internal testing, results may vary.*