

September 2016

Mitsubishi Electric Launches 4-Way Flow New Compact Cassette Type Air-Conditioners

AIR-CONDITIONER USAGE HABITS ARE CHANGING

An innovation leader in air-conditioning industry, Mitsubishi Electric has incorporated artificial intelligence technology into the four-way flow new compact cassette type air-conditioners which are included in its professional product range. The new air-conditioner which is distinguished with its elegant design and functional specifications is sure to change air-conditioner usage habits with its appealing thin design, capability to respond to different requirements with a single indoor unit and ground-breaking silent operation.

A global technology leader that offers efficient and optimum solutions to individual expectations of users, Mitsubishi Electric meets the air-conditioning requirements of various spaces ranging from system rooms which need uninterrupted operation and high performance to stores, restaurants and similar commercial spaces in addition to individual spaces with its professional air-conditioner series. Offering 73 different professional products with 7 types and different capacities, Mitsubishi Electric air-conditioners are capable of heating the environment even under weather conditions as challenging as -25°C. The four-way flow new compact cassette type air-conditioner which is included in the professional product range offers a number of innovations to improve the life quality of consumers.

A new dimension to silence...

Mitsubishi Electric's four-way flow new compact cassette type air-conditioners are ideal for offices, stores and villas with their elegant design and functional specifications. The four-way flow new compact cassette type air-conditioners reinterpret the meaning of the word "silence" thanks to the improved aerodynamic structure and design of fans contacting air.

A single indoor unit for different requirements

The four-way flow new compact cassette type air-conditioners come with a new design developed by Mitsubishi Electric engineers to flow air with the closest angle to the ceiling. Thus, the air-conditioner is able to flow to the remotest points of the room in cooling mode to ensure a natural and homogenous air distribution.

This new model uses a single indoor unit to control each wing independently and turn off any wing completely without using any external equipment in wide spaces jointly used by a number of people with different requirements such as open offices. As each one of the four wings is controlled independently based on direct or indirect air flow options, the individual requirements of users are duly satisfied. This independent control ensures flexibility for assembly and application areas of the products. The four-way flow new compact cassette type air-conditioners can easily adapt to the architectural alterations that are undertaken in buildings as time goes by.

Distinguishing thin design...

The suspended ceiling height of modern buildings is less than before due to changing design approaches and diminishing floor height limits. In that respect, Mitsubishi Electric's new compact cassette type air-conditioners are in perfect harmony with the suspended ceilings and 60x60 tile applications available in new generation building thanks to its thin construction and elegant panel structure. Distinguished with its thin design in the industry, the new compact cassette type indoor units have a total distance of around 245 cm with the suspended ceiling surface after they are installed.

Air-conditioners with artificial intelligence technology

Mitsubishi Electric's new compact cassette type air-conditioners use 3D sensor technology to scan an area of 365 degrees with 8 sensors in detail at 1,856 points. This innovative technology ascertains the number of people and the occupancy ratio of the spaces. Making use of artificial intelligence technology, the air-conditioners sense the temperature at the floor and ceiling level and detect the position of the individuals in the space in order to determine their needs automatically. Air-conditioning is performed by means of a specific algorithm to create cost effectiveness by eliminating the spots which do not need air-conditioning due to lack of people.

Three dimensional sensor technology maximizes comfort level by flowing the heated air directly to the spots populated with people or flowing it indirectly when it performs cooling functions. In addition to the indirect air flow function available in conventional products, Mitsubishi Electric's new compact cassette type air-conditioner models perform sectional air-conditioning more precisely thanks to the indirect air flow function. Besides, the indoor ambient temperature is adjusted to the required level faster and more homogenously to reduce energy consumption.

Air-conditioner habits are to change

Providing solutions to different requirements of end-users and practitioners with its wide product range, Mitsubishi Electric offers the new compact cassette type indoor unit models that are acknowledged for their thin design and smart sensor that detects the location and number of inhabitants in addition to providing industry leading direct/indirect air flow and independent wing control.

About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavours to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,394.3 billion yen (US\$ 38.8 billion) in the fiscal year ended March 31, 2016. For more information visit: www.MitsubishiElectric.com*

** At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016.*

About Mitsubishi Electric Turkey Operations

Mitsubishi Electric concentrates on sales and after-sales services for HVAC systems, factory automation systems, CNC-Mechatronics systems and advanced robot technologies in Turkey. In addition, the company provides support for satellite, elevator, visual data systems, power sources and transportation-based infrastructure projects. Mitsubishi Electric, the acknowledged manufacturer of Turksat 4A and 4B satellites contributing to communication and broadcasting infrastructure of Turkey and neighbouring countries, is also recognized for the automation technology used for Marmaray project. Having incorporated a company for development and manufacturing of room air-conditioners in Turkey in April 2016, Mitsubishi Electric intends to start manufacturing operations in Manisa plant by January 2018. For more information visit:

www.mitsubishielectric.com.tr

About Mitsubishi Electric Turkey Air-Conditioning Systems

Mitsubishi Electric Turkey Air-Conditioning Systems offers sales and after-sales services for room-office air-conditioners, commercial air-conditioners, City Multi VRF central system air-conditioners, heat pump systems, ventilation systems, control systems and hand drying systems as well as heating, cooling, ventilation and hot water supply. It is distinguished with its heating and cooling products of A, A+, A++ and A+++ energy classification according to Seasonal Efficiency Criteria, "MELCloud", a cloud-based solution enabling online control of air-conditioners and "Keşfetteam" which is a technological survey service used for determining the most suitable air-conditioner and installation location.