

December 7, 2016

Johnson Controls – Hitachi Air Conditioning

## JCH receives Environment Minister's Award for Global Warming Prevention Activities 2016

FLEXMULTI air-cooled multi-split air conditioning system for buildings (high efficiency type) reduces CO<sub>2</sub> emissions with leading energy-saving technology



Heating-cooling changeover FLEXMULTI high efficiency type  
(Rated cooling capacity: 14.0 – 150.0 kW, total 26 models)

Johnson Controls - Hitachi Air Conditioning (CEO: Franz Cerwinka) received the Environment Minister's Award for Global Warming Prevention Activities 2016 by the Ministry of the Environment of Japan for developing FLEXMULTI air-cooled multi-split air conditioning system for buildings (high efficiency type), which reduces CO<sub>2</sub> emissions with leading energy-saving technology.

As a part of supporting measures against global warming, this award has been offered every year since 1998 by the Ministry of the Environment to recognize individuals and groups that significantly contribute to preventing global warming. JCH received an award in the technological development and commercialization category among five categories.

JCH has been recognized for contributing to preventing global warming by attaining the industry-leading<sup>\*1</sup> energy-saving performance with the FLEXMULTI heating-cooling changeover multiple air conditioning system for buildings (high efficiency type, rated cooling capacity: 14.0 – 150.0 kW, total 26 models) developed by JCH, and enabling reducing CO<sub>2</sub> emissions by about 1,191 tons/year<sup>\*2</sup> compared to conventional models.

### ■ Main reasons for award

- Attained industry-leading energy-saving performance by employing diverse new technologies to enhance energy-saving performance for main components such as heat exchangers, air-sending systems, and compressors, and significantly improving operating efficiency during low-load operation
- Reduced power consumption during operation by employing “ Smooth Drive Control ”, which reduces energy loss when a compressor turns on and off during low-load operation

JCH will continue contributing to conserving the global environment by actively developing environment-friendly products with high energy-saving performance.

(\*1) As of December 7, 2016 Comparison of annual performance factor (APF) 2015 when used with 4-way Ceiling Cassette in multi-split air conditioning system for buildings

(\*2) JCH's estimate based on conventional systems sold in FY2015. Based on CO<sub>2</sub> emission factor of 0.556kg - CO<sub>2</sub>/kWh, the Federation of Electric Power Companies of Japan's CO<sub>2</sub> Emissions factor in FY2014

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Information (including product prices, product specifications, details of services, launch dates, inquiry information, and URLs) contained in this news release is current as of the date of the press release but is subject to change without notice. Please note that details may differ from those effective on the search date.

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