

Three Mitsubishi Electric LES products win Red Dot Product Design Award 2018

- **Industry awards for heat pump and air conditioning products**
- **Ecodan air-to-water heat pumps meet the most stringent requirements**
- **Wall-mounted units offer compelling design and outstanding comfort functions**

Ratingen, 11 July 2018 – Mitsubishi Electric's Ecodan PUAZ-AA outdoor unit as well as its MSZ-AP and MLZ-KP indoor air-conditioning units have won the 2018 Red Dot Award in the Product Design category. The jury awarded these products from the Living Environment Systems (LES) division their seal of quality for sophisticated and high-end design in the heating and air-conditioning technology category. The clear lines, simple elegance and outstanding use of colour received particular praise. The units are successful examples of the combination of aesthetics and function. "Naturally, the efficiency of our devices is our top priority. Nevertheless, the look must also be compelling, especially with products such as indoor air conditioning units, which are clearly visible to the customer. We are very pleased that the jury's decision confirms the successful realisation of our aspirations," explains Dror Peled, General Manager Marketing Living Environment Systems at the German subsidiary of Mitsubishi Electric.

The Ecodan outdoor unit has recently been completely revamped. When redesigning the housing, the emphasis was on finding a solution that meets the increased aesthetic demands of property owners. The height of the module has been reduced by 25% and with its compact dimensions, it blends harmoniously into almost any outdoor situation. The use of a generously dimensioned heat exchanger surface has further increased the unit's efficiency.

An additional focus in the design revamp was to further reduce the noise level. All possible noise emissions have been reduced. For instance, instead of the previous two fans there is now just a single fan which operates with innovative fan blades. In addition, a special enclosure for the refrigerant compressor ensures that its noise is reduced to a minimum. Ecodan heat pumps meet the highest standards of acoustic insulation and can therefore also be used safely on smaller properties and highly built-up areas. "The

complex subject of noise emissions makes it clear that visual impact and technology are closely related and in this case can influence each other positively," continues Peled. All refrigerant compressors in the series are inverter-controlled. This enables the units to adjust their output precisely to current heat requirements.

Due to its compact dimensions, the MSZ-AP wall-mounted air-conditioning split system can be integrated into almost any interior – regardless of the size of the room. It is an extremely efficient unit with a SCOP of up to 4.8 and a SEER of up to 8.6. This is confirmed by the unit's A+++/A++ energy efficiency rating. If the indoor unit is fitted with an optional WiFi adapter, the energy consumption can be displayed in the cloud-based MELCloud controller.

In addition to the desire for a well-designed and efficient air-conditioning system, users are also particularly interested in comfort and convenience. In this respect, the MSZ-AP impresses with its horizontal air outlet, which ensures extremely comfortable air distribution. The silver-ion filter provides very effective air purification that separates bacteria, allergens and odours from the room air. "The days of users sacrificing comfort or performance in favour of a great design are over. Today, all three aspects play an important role in the decision to buy," explains Peled.

With noise levels as low as 19 dB(A), the indoor unit promises ultra-quiet operation. In addition, the user can activate the Night Mode comfort function, which automatically reduces the noise level of the outdoor unit by 3 dB(A). This also deactivates the LED on the indoor unit and mutes the beeper when the remote control is used. The i-Save function, which stores the preferred operating status, also adds to user comfort.

The MLZ-KP one-direction ceiling cassette air conditioner is intended for buildings with sophisticated interiors. The design is characterised by clean, modern lines. The flat, rectangular front panel harmonises with almost any conceivable interior design. In addition, its two-level layered shape further contributes to a slimmer visual appearance. With this indoor unit, too, the horizontal air outlet ensures maximum comfort.

And last, but by no means least, the Mitsubishi Electric Communication Gateway XS-5R/XS-5T, an environmentally friendly IoT (Internet of Things) communication interface, was awarded "Best of the Best" in the "Product Design" category. The device enables

remote monitoring of tsunamis and river water levels as well as the management of solar and wind energy generation.

Further information is available from Mitsubishi Electric Europe B.V., Mitsubishi-Electric-Platz 1, 40882 Ratingen, E-Mail: les@meg.mee.com, Tel.: 0 21 02 - 4 86 - 0, www.mitsubishi-les.com.

About Mitsubishi Electric

For nearly 100 years Mitsubishi Electric Corporation has supplied both corporate clients and general consumers all over the world with high quality products from the information processing and communications, space development and satellite communication, consumer electronics, industrial technology, energy, transportation and building equipment as well as air conditioning and heating technology sectors. With around 138,700 employees, the company recorded consolidated group sales of \$37.8 billion* in the fiscal year ended 31/03/2017. Sales offices, research and development centres and manufacturing plants are located in over 30 countries. Mitsubishi Electric has been represented in Germany as a subsidiary of Mitsubishi Electric Europe since 1978. Mitsubishi Electric Europe is a wholly owned subsidiary of Mitsubishi Electric Corporation in Tokyo.

* Exchange rate 113 yen = 1 US dollar, as at 31/03/2017 (source: Tokyo Foreign Exchange)

Further information:

<http://global.mitsubishielectric.com>

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The design of the Ecodan PUAZ-AA outdoor unit won the Red Dot Award 2018.



Another winner of the prestigious design award was the MSZ-AP indoor air-conditioning unit.



The third prizewinner from the LES Division, the MLZ-KP ceiling cassette air conditioner, is characterised by a clean, modern design.

Photos: Mitsubishi Electric
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