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Eurovent releases air handling unit EEC case study

Brussels, 14 January 2025. Eurovent has released an 'Energy classification for air handling units' case study, with a focus on energy consumption by energy class. It is useful for an estimate of which AHU energy class best suits specific project needs.

The case study demonstrates the differences in consumption and cost of energy associated with the operation of air handling units, depending on their energy efficiency class rated under the Eurovent Certification programme. It presents case studies of typical applications and working conditions for various cities in Europe, which provides guidance on making the right choice in the design and selection of the most suitable product. It further shows a rough value of savings in energy costs over 17 years, which is the typical AHU lifetime assumed in the studies of Ecodesign requirements for ventilation units if an A+ class unit is installed instead of a C class unit.

Eurovent Product Group 'Air Handling Units' (PG-AHU) Chairperson, Martin Lenz, mentioned that: "Investment costs for AHUs often account for less than 30% of total ownership costs, with energy consumption being the major expense over the product's lifetime. While investing in slightly more efficient units quickly pays off through cost savings and environmental benefits, decisions remain largely driven by investment costs. Earlier in 2024, Eurovent published Recommendation 6/19-1: Life Cycle Cost Calculation for AHUs. This new case study builds on it, offering clear examples to highlight the impact of efficiency on lifetime costs. I'm so proud of the collaboration with PG-AHU in delivering this valuable resource."

This document was published by Eurovent and prepared in a joint effort by participants of the Product Group 'Air Handling Units' (PG-AHU), which represents a vast majority of all manufacturers of these products active on the EMEA market. You may download the document free of charge on the Eurovent website.

Related documents and links

All related documents and links can be found below.

- Eurovent logo files
- Press images
- PDF version of the Press Release