

This is the way a certification by Eurovent is performed

(The information is fetched from the Eurovent brochure "Some labels never mislead")

How does it work?

The producers report complete series of air handling units for certification. Complete, randomly chosen units are tested regularly in independent laboratories. It is verified that the test results agrees with the data that the producers unit selection program has provided. Every deviation between test result and the stated technical data must be corrected.

European test standards

The European Standard prEN1886 for mechanical properties and the European Standard prEN 13053 for technical performance is used by producers for documenting their products and is also used by independent laboratories when air handling units are tested.

What does it mean?

The companies that participate in the Eurovent certification program makes, by using the same standard account, the consultants work easier, since there is no need of making further detailed comparisons. Consultants, the prescribed and the end user can choose a product and be certain that the manufacturers information in the catalogue* and data programmes are correct. They can feel confident that the equipment will work according to the construction prerequisites, the energy cost can be foreseen correctly and the delivered product will therefore be in proportion to the investment.

** The Eurovent certification is in most cases connected to the data in the computer program (unit selection program). Therefore it is possible that that stated technical information in catalogues, brochures and ads can diverge from the certified information. Pertaining air handling units, Eurovent certifies data programmes; therefore the information in catalogues can be outdated product changes that recur regularly. (Swegon comment)*

The level of quality corresponds to the demands

The following mechanical characteristics are verified through tests and are classified:

- The mechanical strength of the casing
- Leakage through the casing
- By-pass leakage at the filter
- Thermal transmission through the casing
- Thermal bridges through the casing
- The sound absorbing properties of the casing

Consultants, the prescribed and the installation contractor can choose a suitable air handling unit series for one's appliance, to benefit from the investment in an optimal way.

What you order is what you get

The following technical information is certified:

- Air flow
- The static increase of pressure
- The need for capacity
- Heat capacity
- Cooling capacity
- The level of sound effect to the duct
- The level of sound effect to the surroundings
- The temperature efficiency of the heat recovery system

The test results are compared with the technical information that the producers program for calculation provides to verify that they correspond.**

*** Earlier a certain tolerance of error was allowed. That could however be used for a systematic account of better values within the margins of error. On initiative of Swegon the concept "Guaranteed values" is now used. (Swegon comment)*