GreenTech EC centrifugal fans for hotel climate control systems

So we can all sleep more peacefully.
Green through and through

In order to underline our philosophy, efforts and achievements when it comes to environmental protection, we have put them all in a nutshell with GreenTech. The benefits of GreenTech mesh with one another from the initial development of our products through to their use — and they form a circuit that finishes right where it began: with the philosophy that we shall soon build another, even more eco-friendly and economical product.

Philosophy:
Each new development must exceed the economic and ecological performance of its predecessor.

Development:
Materials, products and processes are selected and designed in an environmentally responsible manner using state-of-the-art methods.

Production:
State-of-the-art energy, air-conditioning and ventilation technology provides maximum energy efficiency in our plant.

Awards:
Environmental prizes, distinctions and energy efficiency that beats even the most stringent limits speak for themselves.

Application:
Our high-efficiency products use GreenTech EC technology and boast enormous energy savings with top performance.

More at www.greentech.info

For fans with an input capacity of greater than 125 W, the new European Energy-related Products Directive (ErP) to improve energy efficiency will enter into force in 2015 at the latest. Thanks to groundbreaking GreenTech EC technology, all of our ebm-papst fans and motors in these performance classes exceed the ErP Directive even today.
The perfect climate:
a welcome guest.

Step into the world of GreenTech. A world in which hotel climate control systems provide optimum comfort with nearly silent operation and individual control options — and consume up to 70% less energy along with it. There is a reason ebm-papst is the worldwide market leader for air technology and drive engineering as well as the forerunner in developing high-efficiency GreenTech EC technology. This is precisely the technology with which we are also setting new standards in the field of Fan Coils. These air-to-water air conditioning units have either cold or hot water flowing through a heat exchanger. A built-in fan blows air over the heat exchanger and thereby adjusts the room air temperature. Our GreenTech EC fans operate particularly quietly and economically here. So everyone can sleep more peacefully: guests, hotel managers, building designers and climate control system manufacturers. Look around and see for yourself. For additional information visit www.hotel.ebmpapst.com
Enabling guests to sleep more peacefully: a pleasant climate that makes no noise.
Overly noisy climate control systems are among the most frequent reasons that hotel guests complain. Until now they have been practically unavoidable, since conventional AC fans with Fan Coils have been relatively noisy due to limited technology and have needed to run a lot more than our new EC centrifugal fans due to their lower efficiency. Thanks to the latest GreenTech EC technology and aerodynamic optimisations, they are demonstrably the quietest on the market and hardly audible for the hotel guest. That provides an atmosphere perfect for comfortable sleep. In addition, the built-in power electronics make it possible to integrate practical additional options. For example, with a continuous closed-loop speed control, the air-conditioning units can be adapted exactly to individual needs: the hotel guest can precisely select the most comfortable temperature and be sure that it is reliably set.

The only thing to be said is: good night, AC technology. And sleep tight, hotel guests.
Enabling hotel managers to sleep more peacefully: a good climate that saves money.
Did you know: Fan Coils in hotels are running about 80% of the time on average. This means that climate control systems are above all a large cost factor for hotel manager – one that they can significantly reduce with GreenTech EC fans from ebm-papst – with energy savings of up to 70%. The primary reason for this is the high efficiency of our innovative GreenTech EC motor technology. Depending on operating conditions, this is up to 3 times higher than for conventional AC motors. Naturally, that makes an enormous difference – above all for the hotel’s budget. Add to this the higher degree of reliability and longer service life, which also significantly reduce the maintenance costs.

You can see: GreenTech EC fans save in every respect – not just by cutting corners, particularly for comfort. That is why it is not just worth it to look into efficient fans for a new building; conversion of existing installations also pays off extremely quickly. Not to mention the increasing satisfaction of your guests.

Power consumption

Fan Coil with AC technology

Fan Coil with GreenTech EC technology from ebm-papst

(−70 %)
Enabling building designers to sleep more peacefully: a comfortable climate that is future-orientated.
Before, air-conditioning devices for cooling buildings were found mainly in southern regions. Today it is becoming popular to use temperature equalising air-conditioning even at more moderate latitudes. After all, it is no secret that the human body feels most comfortable and also performs best at temperatures around 20 °C. Therefore, finding the right air-conditioning solution is a mandatory step for a hotel architect. But the architect’s concern is not just benefits for the guest in the process; the architect must proactively plan as well. On the one hand, climate control systems have very long operating times, which makes them an on-going cost factor. On the other hand, the topic of environmental protection is increasingly important. Careful use of natural resources is also indispensable for air-conditioning. Not least because this concerns the hotel’s reputation.

Air-conditioning units with GreenTech EC fans are the perfect response to any requirement. They are highly efficient and because of that they are extremely energy-saving and environmentally friendly. And they operate whisper-quiet, so that they are scarcely noticed by hotel guests. You should certainly plan them into your next hotel project.
Enabling manufacturers to sleep more peacefully: a tailor-made climate that fits into every system.

GreenTech EC centrifugal fan

Many options, one solution
Air-conditioning solutions with Fan Coils are very popular in hotels, since they enable each guest to select the climate that he or she desires. But there are also a variety of possibilities here, for example, Fan Coils can be installed as a free-standing unit or ceiling-mounted unit. Or they are practically invisible as an in-ceiling unit and transport the comfortable climate to the guest via pipelines. In the end, it doesn’t really matter which variant a manufacturer decides on; with our complete series of GreenTech EC centrifugal fans, a suitable solution can be found for every purpose.
Manufacturers of Fan Coils really do not have it easy when it comes to choosing suitable fans, since the required output is by no means the only criterion for the decision. Other factors that are at least as important are the installation options in the housing of the air conditioning unit, the noise emissions during operation, and not least the functional principle of the fan drive used, which has a critical effect on energy consumption and thus the operating costs. You no longer have to worry about any of that, because ebm-papst has the right solution ready for every conceivable task.

Satisfied guest

Plug & Play

Our GreenTech EC fans are available in various designs – in the power range of 40 to 250 watts, with air volumes up to 2,200 m³/h. All fans are specially designed for low-noise operation, while having highly compact dimensions and being easy to install as a plug and play solution: The fan is easily mounted on the exhaust flange and connected using a plug system. This means it will no longer be a problem to make an easy change from AC to EC.

This is how modern GreenTech EC technology proves once more that it is simply the better choice – in terms of energy savings as well as comfort. And just like that, everyone finally sleeps peacefully: the guest, the hotel manager, the building designer, the installation engineer and the manufacturer.
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Fan Coils are the ideal solution for individual hotel room air-conditioning. And new GreenTech EC centrifugal fans from ebm-papst are the ideal solution for Fan Coils. Enabling everyone to sleep more peacefully. Guests, because they enjoy a maximum level of comfort. Hotel managers, because they save a lot of money. Building designers, because they are using future-proof technology. And the climate control system manufacturer, because he gets customised, ready-to-go solutions. Check into the future of hotel climate control now.