



WHY BUY HP PRINTING SYSTEMS WITH BLUE ANGEL ACC. TO DE-UZ 219?

Sustainability proof points for purchasing original HP cartridges and printers

HP customers expect outstanding environmental performance when making a purchase decision. Therefore, HP considers its printing systems under intensive operating conditions, including original HP ink or HP toner cartridges. We follow strict HP-internal environmental standards and seek compliance with voluntary eco labels – with the internationally reputed German Blue Angel according to DE-UZ 219 taking a leading position. Many HP printing systems across various user segments fulfil over one hundred strict criteria of the widely recognised eco label when operated with original HP printing supplies.



VERIFIED BLUE ANGEL PERFORMANCE WITH ORIGINAL HP PRINTING SUPPLIES ONLY

- Certification of HP printing systems according to the award criteria DE-UZ 219 is conducted with original HP printing supplies only. This includes HP toner as well as HP ink cartridges. If HP printing systems are operated with non-HP cartridges, HP cannot confirm achievement of any performance criteria.



VERY LOW ENERGY CONSUMPTION

- Blue Angel certified HP printing systems have to comply with ambitious requirements for energy consumption. The required values are met without compromising the devices' excellent printing performance and usability due to the use of highly developed and innovative HP firmware.
- While printing, the devices consume low energy amounts and meet the extremely strict guide values of the Blue Angel for the so-called typical energy consumption (TEC).
- In print-free times, electric power saving modes are automatically activated. For instance, certified HP devices feature a special sleep mode with power levels less than or equal to 3 watts, devices without Wireless Access Point even 2 watts. Most of them also provide users with adjustable energy saving settings which can be selected according to the users' needs. New HP printing systems for private end customers awarded with the Blue Angel will usually also feature an auto-off function that automatically switches the device into the Off-mode (standby) which consumes less than 0.4 watts.



STRICTLY REDUCED SUBSTANCE AND PARTICLE RELEASE

- HP printing systems certified with the Blue Angel are assessed under intensive usage conditions according to ISO/IEC 28360 in dynamic environmental test chambers – including original HP printing supplies.
- When using original HP printing supplies, Blue Angel certified devices feature a very low release of substances. This includes single volatile substances (VOCs) and this substance group's total (TVOCs).
- The release of dust is at very low levels and meets the respective and long-established guide value for laser printing systems of the Blue Angel. This indoor air contribution is also far below relevant mandatory occupational exposure limit values. In addition, all certified HP laser printing systems have to meet a preventative guide value for released particle numbers – including ultrafine particle (UFP) sizes. In fact, detected UFPs lie in the order of magnitude of everyday activities such as cooking or ironing.



www.blauer-engel.de/uz219

A variety of HP printing systems are certified with the Blue Angel according to DE-UZ 219 in Germany, including e.g. the HP Color LaserJet Enterprise M856dn and the HP PageWide Managed Color E75160dn as some of the first models.



LIMITED NOISE LEVELS

- Blue Angel certified HP laser and ink printing systems operated with original HP cartridges contribute to reduced noise generation in offices. They must meet strict guide values which depend on the devices' operating speed in their mono and colour print modes.



SUSTAINABLE PRODUCT DESIGN AND USE OF MATERIALS

- HP contributes to resource conservation by using post-consumer recycled plastic (PCR) for production of new HP products. These plastics are recycled waste plastics stemming from private or commercial end-consumers. Certified HP printing systems meet or exceed the strict Blue Angel requirements on use of PCR or reused plastics.
- HP devices for private end customers awarded with the Blue Angel provide for longevity: Users can be sure that spare and exchange parts as well as repair services are available at least five years after the end of production. For models introduced from 2022, even more comprehensive information and services are provided – many spare parts are available at least seven years after the last unit of the model was placed on the market, for instance.
- Certified HP printing systems not only feature an option for duplex printing and copying but duplex printing is also often set as default in the condition supplied to the customer.
- Furthermore, certified HP printing systems feature single cartridges which can be removed separately so that users do not have to replace the whole cartridge bundle if one single colour is empty.
- Certified HP printing systems support the use of 100% recycled paper if the paper is compliant with the requirements of the standard EN 12281.
- Devices are designed to facilitate recycling: For instance, HP applies only a small amount of different materials. And the coatings of casing parts and printing supplies used are kept to a minimum so that the need for additional treatment in subsequent recycling is reduced.
- Original HP ink and toner cartridges can also be returned free of charge via the 'HP Planet Partners Program'. For the devices, HP offers product take-back services that meet the requirements of the German Electrical and Electronic Equipment Act (ElektroG).



STRINGENT COMPLIANCE OF TONER AND INK MIXTURES

- HP toner and ink mixtures for Blue Angel certified HP printing systems fulfil applicable requirements which are based on renowned standards: For example, substances contained as intentionally added constituents are not classified as carcinogenic, mutagenic to germ cells, or toxic to reproduction or they are below defined thresholds. In addition, it is ensured that the mixtures are kept free of substances which e.g. contain mercury, cadmium, lead or chromium-VI compounds as intentionally added constituents.
- Original HP toner cartridges feature a design concept with both integrated or separate waste toner collection units to make sure that the likelihood of inadvertently coming into contact with toner is reduced to a minimum. The Blue Angel requirements on safe toner handling are met.



CORPORATE SOCIAL RESPONSIBILITY

- HP is committed to conduct worldwide operations in a responsible manner. Accordingly, HP complies with the comprehensive Blue Angel criteria on due diligence in the sourcing of raw materials and on the support for local initiatives to promote responsible mining. Also, the Blue Angel requirements for social sustainability in the manufacturing process are implemented in the production of certified HP printing systems.



FURTHER INFORMATION

- Current status which HP printing systems are awarded the Blue Angel according to DE-UZ 219 in Germany can be viewed [here](#) on the official Blue Angel website.
- More information on the Blue Angel and certified HP products is available on the [HP website](#).
- HP provides a Blue Angel User Information document for printing systems certified with the Blue Angel in Germany. These documents display relevant environmental product features in detail. They can be accessed [here](#) on the HP website.