



www.blauer-engel.de/uz219

- low energy consumption
- low emissions and noise
- durable

Blue Angel User Information



Model Variant Descriptions

B513dn - Duplex unit and Network connectivity. 45 pages / minute, 1200dpi

General Information

This device and the corresponding consumables fulfil the Blue Angel requirements in accordance with DE-UZ-219. (<http://www.blauer-engel.de>)

Power Consumption and Activation Time

The amount of electricity a device consumes depends on both its properties and on the way the device is used. This device is designed and set in a way to allow you to reduce electricity costs. After the last print it switches to Standby Mode. In this mode, it can print again immediately if required. If further printing is not required, the device switches to one of its power saving modes after a certain time (Activation Time). The device consumes less power (Watt) in these modes. It will take longer than in Standby Mode if you wish to print when the devices are in Power Save Mode. This delay is known as the Recovery Time from Standby. This time can be relatively long with some devices. However, this device fulfils the stringent Blue Angel Label requirements for Recovery Time from Standby: (<http://www.blauer-engel.de>). The table shows the factory-set Power Consumption values along with the Activation Time and Recovery Time from Standby values. The devices are delivered with these standard settings. With these standard settings, the device fulfils the Blue Angel label requirements. This device does not achieve zero power consumption via its on/off switch. If you wish to avoid electrical consumption then please disconnect the device's plug from the mains socket outlet. Energy consumption can be minimized by ensuring that the product enters its lowest power mode as quickly as possible after printing as finished and disconnecting at the mains if it will be left idle for any long period of time. The values also apply if the device is connected to a data network. The device is designed so that it's on/off switch can be operated at least twice daily without any damage occurring. A complete separation from the power supply can only be achieved by removing the plug from the mains.

Overview of the Operation Modes

Print speed for DIN-A4 format:

Mono: 45 pages / minute

Operation Mode	Power Consumption* (watts)	Activation Time** (min)	Recovery Time from Standby*** (sec)
Highest possible consumption upon turn on /print.	1066	-	-
Print (Continuous Operation)	512	-	-
Standby(=Idle)	34.2	-	-
Power save mode ****	3.2	1 (1-60)	10.3
Sleep mode *****	0.5	1 (1-60)	10.3
Off mode *****	0.1	15 (15-1440) Switch activation	-

* Mean values, measured without accessories.

** The Activation Time is the time that passes after the print procedure until the device switches into the mode. The values in brackets indicate the range within which the Activation Time can be controlled.

*** The Recovery Time from Standby is the time that passes before the device is ready for printing again.

**** Activating Power save mode: The device enters the Power save mode by passing a pre-set time.

***** Activating Sleep mode: The device enters the Sleep mode by passing a pre-set time.

NOTE: In factory default setting, when the device wakes up from Sleep mode due to a print job, it goes back into Sleep mode immediately after printing is finished.

***** Activating Off mode: The device enters the Off mode by passing a pre-set time. Alternatively, the device enters the Off mode by pressing the "Power Switch".

NOTE: In factory default setting, the Off mode is disabled during network connection.

Energy Consumption

For the standard use cycle, according to ENERGY STAR 3.0, the following assumptions are made for this device:

Up to 32 print jobs per working day, each with 31 Pages, single-sided in mono (1012 pages/day). Hence, the energy consumptions for a week (7-day week with 5 working days of 8 hours each) is **0.47 kWh** for B513dn. These values were measured with the above-mentioned standard factory settings. If you would like to set a longer Activation Time or would like to completely deactivate the Power Save Mode, please consider that this device may then only switch to a lower energy level after a longer period of time or not at all. Therefore, it will remain in a mode with a higher Power Consumption and hence consume more electricity for longer. Potentially, this could mean that the device no longer maintains the power consumption levels of Blue Angel. We do not recommend extending the Activation Times.

Further information

The share of post-consumer recycled plastics

This device contains post-consumer recycled plastics. The share of post-consumer recycled plastics is 10.62 % (by weight.)

Using recycled paper

This device is suitable for use with recycled paper according to EN12281:2002.

Double-sided printing

These devices have duplex as standard and are capable of automatic double-sided printing as default.

N-up printing

This device has a N-up print mode. (N=1,2,4,6,8,9,16)

Batteries

This device contains a "CR2032" button cell battery. This will not require replacement during the life of the product and should be disposed of in line with appropriate regulations at the end of the products life.

Product durability

This device's life is specified to be a minimum of 600 K prints or seven years whichever comes first. The printer will be capable of continuous runs of 100,000 prints/month.

Returning the device

For private users:

You are obliged not to dispose of the device, along with its consumables and image drum, in the general household waste. They must be separated before disposal. Dispose of the device at collection points designed for the disposal of electrical appliances. Please contact your local authority for information on where to dispose of electrical devices.

Non-private users:

Please visit the following weblink, <http://www.oki.com/de/printing/support/weee-return/index.html>

for instructions on how your printer can be collected and recycled.

Please note: the collection system is exclusively for OKI devices. We cannot accept the return of devices from other manufacturers.

Return of used toner cartridges and image drums

Used toner cartridges and image drums can be returned free of charge. Please visit the following weblink, <http://www.oki.com/de/printing/support/consumables-recycling/index.html>

Spare parts / repair guarantee

OKI guarantees that it will be able to supply spare parts and the infrastructure required for a repair for at least 7 years after production of this device ceases.

Maintenance

The routine maintenance of the device is described in detail in the User's Manual (on DVD) and can be carried out by the user.

Scope of delivery: toner cartridge and drum

Toner Cartridges with starter capacity (Pages, according to ISO/IEC 19798)

	K (Black)
B513dn	2,000

NOTE: The capacity of starter toner cartridges is less than the capacity of standard toner cartridges.

The capacity of drums (Pages, for standard operation (average lifecycle A4 pages SEF with one-sided simplex 3 pages/job printing))

	K (Black)
B513dn	30,000

Using the toner cartridge and drum

- Non-original OKI consumables may damage your device.
- Handle toner modules and drums with care. Do not forcibly open toner modules or drums.
- If the device has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch. Switch the device off and allow the fuser to cool for about ten minutes before opening the top cover.
- Avoid releasing toner into the atmosphere.
- Avoid inhaling toner or skin contact with toner. If you inhale any toner or get it in your eyes, drink a little water or bathe your eyes liberally in cold water. Seek medical attention immediately.
- If toner gets on hands or skin, wash it off with soap and water.
- Have a sheet of paper handy so that you have somewhere to place the old cartridge while you install the new one.
- If you do spill any toner powder, lightly brush it off. If this is not enough, use a cool, damp cloth to remove any residue. Use neither hot water nor any solvents. Otherwise, stains cannot be removed.
- Never expose a toner cartridge to an open flame. It can cause an explosion and you can be burned.
- Never expose the drum to direct sunlight or very bright room lighting.
- Do not touch the surface of the light-sensitive drum.
- Toner modules must be kept away from children.

Device emissions

The requirements of the Blue Angel environmental label for devices are fulfilled by OKi Original toner cartridges and drums. In general, new electronic devices emit volatile substances into the ambient air, particularly during the first few days following commissioning. Ensure that the place in which you position your device is sufficiently ventilated.

Noise levels

Declared sound power level LWAd:dB(A) (Measured with S_w = 45ppm)

	B513dn
Mono	71

Warranty and extended warranty

OKI provides an onsite warranty in Germany and Austria. For details, please refer to the warranty information or log onto our Website: www.oki.de or www.oki.at. For other countries: Please refer to the "PAN EUROPEAN LIMITED WARRANTY" document, which is enclosed with this product either as a printed document or included on the DVD.

Detailed product information and further safety/installation instructions

- The User's Manual for this device is included on the enclosed DVD.
- Please adhere to our safety and installation instructions, which are enclosed with this device in printed form