



KONICA MINOLTA

**Environmental Data Sheet for bizhub 4000i**

Version 1.0

Date: 22.07.2019

Revision date: 23.04.2020

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<b>1 Company</b>		
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<b>2 Tests / Approvals / Declarations</b>			
2.1	CE Conformity:	Declaration of Conformity	For this product an EU Declaration of Conformity according to EN17050-1 is available. It can be obtained from the editor on request.
2.2	EU-Directives:	2014/35/EU 2014/30/EU 2009/125/EC 2011/65/EC	This product is in compliance with the listed EU directives: - Low Voltage Directive / Product Safety - EMC Directive / Electromagnetic Compatibility - ErP Directive / Eco Design - RoHS2 Directive and amendments
2.3	Safety Tests:	GS Mark Z1A 086884 0001 Rev. 00 Nemko Mark P 192 235 94	TUEV Sued EN 60950-1 NEMKO, Norway EN 60950-1
2.4	EAC Certification:	RU C-JP.AR46.B.07182/19 (0190451)	EAC certificate
2.5	Electromagnetic Compatibility (EMC):	EMC Mark Z2 086884 0006 Rev. 00	NEMKO, Norway EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3
2.6	ENERGY STAR:	ENERGY STAR program compliance	EPA based (version 3.0) This product is listed in ENERGY STAR databases
2.7	Eco Design Directive:	2009/125/EC 1275/2008/EC Voluntary Agreement on Lot 4	Framework for the setting of ecodesign requirements for energy-related products Requirements for electrical power consumption in standby and off-mode Konica Minolta is signatory of the EVAP
2.8	Blue Angel Mark:	German environmental mark no. 33780	RAL RAL-UZ 205
2.9	Document Authenticity:	PTS certificate will be applied Printer: 6038Ü-2019-41.797 ISO 11798 mark no. 558648	Papiertechnische Stiftung (PTS) Ordinance for Lawyers and Notaries in Germany (DONot), § 29; RISE (Sweden) According Swedish National Archive Regulations relevant test conditions were noted down in the according test certificate!
2.10	Laser safety	EN 60825-1 : 2014	Class 1 laser
2.11	Quality and Environmental Management:	ISO 9001 certification ISO 14001 certification	This product was manufactured under a certified Quality Management System according to ISO 9001 and under a certified Environmental Management System according to ISO 14001.



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<b>3</b>	<b>General Information</b>			
3.1	Speed:	Pages per minute Printing Copying	Black and White 40 (ISO 24734)	Colour
3.2	Weight:	About 12.4 kg	Basic System only	
3.3	Dimensions / Volume:	373 mm 388 mm 287 mm 41.5 litre	Width Depth Height Volume (calculated)	Basic System only
3.4	Environmental programmes:	This product conforms to the following voluntary environmental programme requirements:	Konica Minolta Environmental Policy Konica Minolta Product Environmental Assessment All production sites have ISO 14001 certification. Konica Minolta Environmental Report including environmental accounting report is published annually. <a href="https://www.konicaminolta.com/about/csr/environment/index.html">https://www.konicaminolta.com/about/csr/environment/index.html</a>	
3.5	Extension of product lifetime:	The manufacturer offers on a voluntary base:	Spare parts availability: Service availability:  Warranty:	5 years after end of production 5 years after end of production (depends on service level agreement, business to business) Depends on service level agreement, business to business
3.6	Materials:	This product contains no*:	Cadmium (< 0.01%) Lead Hexavalent chromium Mercury (except for a fluorescent lamp) PBB and PBDE (Polybrominated biphenyls and their ethers contained in mechanical plastic parts in concentrations exceeding the natural background levels) Ozone depletion substances, according to those categories that are already banned in the Montreal protocol Chloroparaffines with chain length 10-13 atoms, chlorination greater than 50% contained in mechanical plastic parts PCB or PCT Large-size plastic case parts (weighing more than 25g) do not contain the halogenated flame proofing agents. Asbestos * Impurity threshold level: less than 0.1%	

<b>4</b>	<b>Emissions / Consumption</b>																															
4.1	Operation noise: (Measured values)	Sound power, Lwa <sup>1)</sup>  Sound power declared, Lwad  Sound pressure, operator position, Lpa <sup>2)</sup>	<table border="1"> <thead> <tr> <th colspan="2">Black and White</th> <th colspan="2">Colour</th> </tr> </thead> <tbody> <tr> <td>Standby</td> <td>nd</td> <td>Standby</td> <td>dB(A)</td> </tr> <tr> <td>Printing</td> <td>66.2 dB(A)</td> <td>Printing</td> <td>dB(A)</td> </tr> <tr> <td>Standby</td> <td>nd</td> <td>Standby</td> <td>dB(A)</td> </tr> <tr> <td>Printing</td> <td>69.2 dB(A)</td> <td>Printing</td> <td>dB(A)</td> </tr> <tr> <td>Standby</td> <td>nd</td> <td>Standby</td> <td>dB(A)</td> </tr> <tr> <td>Printing</td> <td>59.0 dB(A)</td> <td>Printing</td> <td>dB(A)</td> </tr> </tbody> </table>	Black and White		Colour		Standby	nd	Standby	dB(A)	Printing	66.2 dB(A)	Printing	dB(A)	Standby	nd	Standby	dB(A)	Printing	69.2 dB(A)	Printing	dB(A)	Standby	nd	Standby	dB(A)	Printing	59.0 dB(A)	Printing	dB(A)	<p>Basic unit without accessories</p> <p>1) measured and declared according to ISO7779, RAL-UZ 205</p> <p>2) workspace related emission value, operator test position: height=1.50m; distance=0.25m in front of the panel position</p> <p>nm Not measured</p> <p>nd There is no noise in ready mode two minutes after the last printout</p>
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**4 Emissions / Consumption**

4.2 Energy  
(measured values)

Power  
Max power consumption <sup>3)</sup>  
Average power consumption <sup>4)</sup>

	Power [Watt]	Mode (230V)
Max.	1344	Starting
Printing	550	Operating
Standby	27	Without energy-save
	6	With energy-save
	1.1	Sleep mode
	0.1	Deep Sleep mode
	0.1	Plug-in off mode

Recovery times

Time [seconds]	Recovery from mode
4	Energy-save mode
4	Sleep mode

Applied standard test method: RAL-UZ 205

3) Short-term maximum value, for mains fuse calculation

4) Calculation basis for power consumption

TEC

Version 3.0: 0.52 kWh/week  
Only for reference:  
Version 2.0: 1.8 kWh/week

Typical Energy Consumption value, weekly base, according to the definitions of ENERGY STAR (230V)

Heat Generation  
(calculated)

Printing	1,980 kJ/h	
	36.6 BTU/h	BTU 230V, based on the TEC value of this product (24 h x 7 days)
Standby	97.2 kJ/h	Without energy-save

4.3 Emissions:  
(Measured values)

Substances

Ozone

Styrene

Benzene

TVOC

Fine dust

Operation (Printing)	Emission rate [mg/h]	Concentration <sup>5)</sup> [mg/m <sup>3</sup> ]
Standby	nm	
Operating b/w	0.67 mg/h	0.034 mg/m <sup>3</sup>
Standby	nm	
Operating b/w	0.12 mg/h	0.006 mg/m <sup>3</sup>
Standby	nm	
Operating b/w	0.009 mg/h	<0.001 mg/m <sup>3</sup>
Standby	0.076 mg/h	0.004 mg/m <sup>3</sup>
Operating b/w	4.6 mg/h	0.23 mg/m <sup>3</sup>
Standby	nm	
Operating b/w	0.11 mg/h	0.006 mg/m <sup>3</sup>

Test conditions

Basic system without options / accessories

Test conditions according to RAL-UZ 205. Emission rate in mg/h.  
5) - Calculation to evaluate the ambient air concentration rate in mg/m<sup>3</sup>: Room size 40 m<sup>3</sup>, Air exchange rate 0.5/h, and Multi operating cycles.  
nd = not detectable (below the detection limit)  
nm = not measured  
Regular maintenance assumed. Measured values were evaluated on basis of one machine. Values may vary within production.



### Environmental Data Sheet for bizhub 4000i

5	<b>Consumables and other items</b>								
5.1	Toner:	black, for bizhub 4000i	<p>Components: Styrene acrylate copolymer, ester wax, carbon black, PMMA, Resin, Styrene acrylate resin, silicon dioxide.</p> <p>Flashpoint over 350 °C.</p> <p>When used as intended (toner for office copies) no danger for health and environment.</p> <p>Avoid dusting.</p> <p>Test on mutagenic activity (AMES) showed negative results.</p> <p>Classification class for endangerment of water: WGK = 1 (Germany, slightly endangering water)</p> <p>Waste toner classification no.(EWC): 080318, GC020, green list, not hazardous waste</p> <p>Polymerized toner reduces environmental impacts (CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>x</sub> emissions during production of toner) by about 40% compared to conventional toners.</p>						
5.2	Waste toner box:	Build-in the IU	To be replaces according the IU replacement						
5.3	Photoconductor:	Photoconductor for: bizhub 4000i	Aluminium tube coated with organic material.						
5.4	Filters:	This product contains no exchangeable filters	Filter are built for the lifetime of the device						
5.5	Batteries:	No battery	<p>The batteries are in conformity with: 2006/66/EC (battery and accumulators).</p> <p>The product documentation contains information about proper disposal, which should be followed</p>						
5.6	Light source:	No Scanner							
5.7	Recycling paper	Papers according to EN 12281:2002 are suitable for use	Storage in climate-proof packaging recommended						
5.8	Packaging material:	<table border="0"> <thead> <tr> <th>Material</th> <th>Weight [kg]</th> </tr> </thead> <tbody> <tr> <td>Paper / Cardboard</td> <td>1.96</td> </tr> <tr> <td>Plastic PS-E</td> <td>0.3</td> </tr> </tbody> </table> <p>Packaging material is free of PVC</p>	Material	Weight [kg]	Paper / Cardboard	1.96	Plastic PS-E	0.3	
Material	Weight [kg]								
Paper / Cardboard	1.96								
Plastic PS-E	0.3								
5.9	Disassembly/Recycling:	<p>Mechanical plastic parts weighing more than 25g are marked according to ISO 11469.</p> <p>Of total plastic parts' weight &gt;25g, recycled material content percentage is up to 1%.</p>							
5.10	Take back information:	The supplier offers take back and recycling services for products and consumables in many locations throughout the world. Customers are advised to contact their supplier representatives for additional information.							
5.11	Documentation:	The documentation is available as printout on Totally Chlorine Free bleached paper or as electronic file. <a href="https://manuals.konicaminolta.eu/konicaminolta">https://manuals.konicaminolta.eu/konicaminolta</a>							