



KONICA MINOLTA

# bizhub 223

Black & white A3 multifunctional

Up to 22 pages per minute

## Functionality



- Black & white

Copying



- Black & white  
- PCL/PS  
- Local/network  
- USB

Printing



- Colour  
- Black & white  
- TWAIN Network  
- Scan-to-SMB  
- Scan-to-Box  
- Scan-to-eMail  
- Scan-to-FTP  
- Scan-to-WebDAV  
- Scan-to-USB  
- Scan-to-Home  
- Scan-to-Me  
- Scan-to-DPWS

Scanning



- IP-Fax  
- i-Fax  
- PC-Fax  
- Super G3 Fax

Faxing



- Distribution  
- Sharing  
- Box-to-Box  
- Reprint  
- Box-to-USB

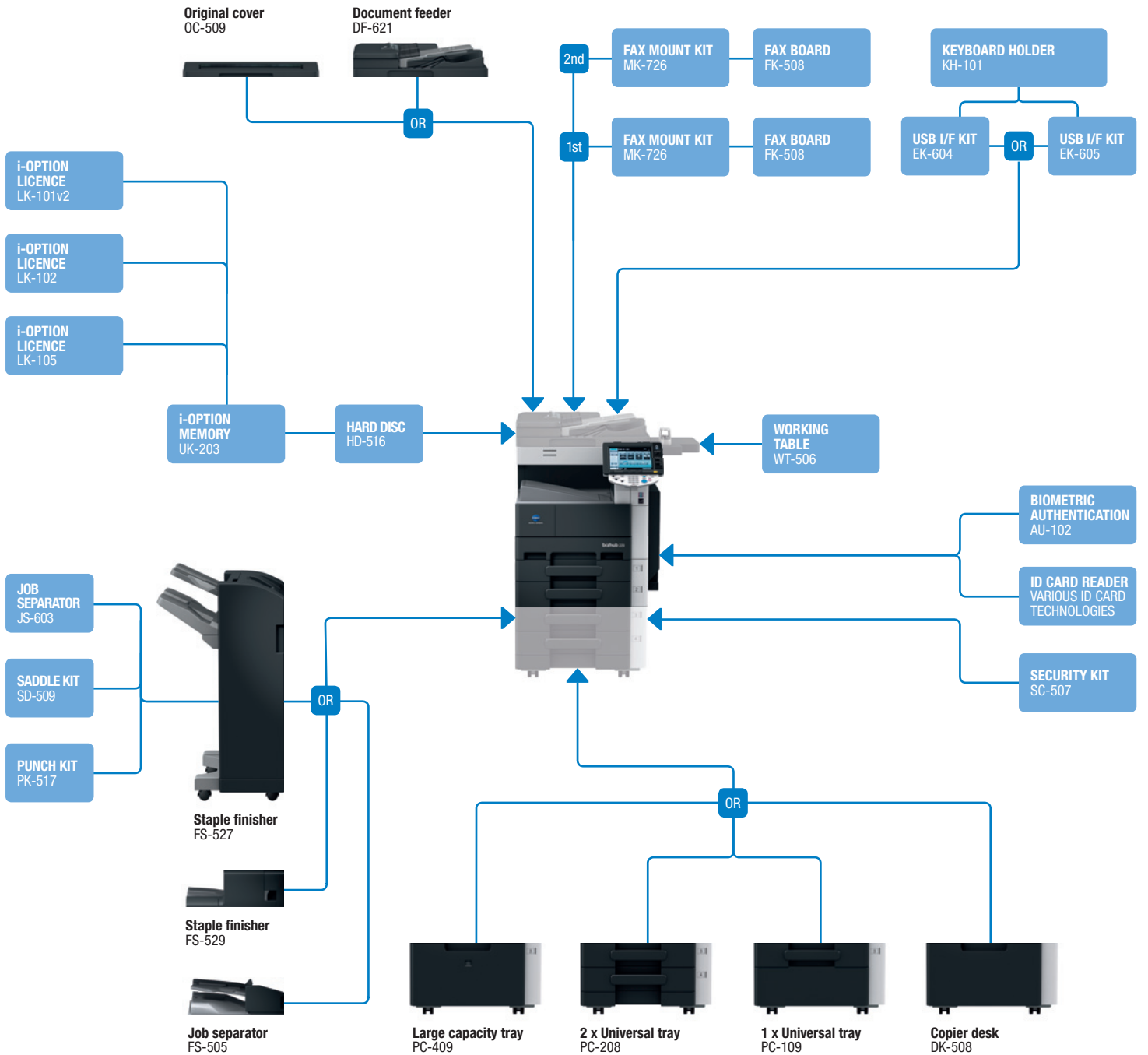
Box



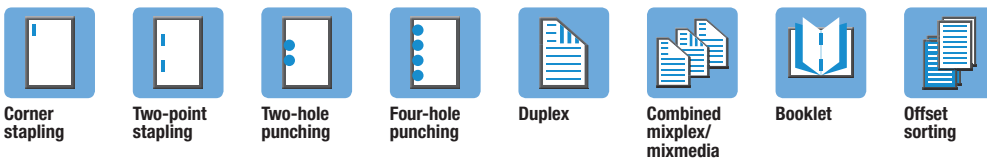
**Technology**



**Option diagram**



**Finishing options**



## Descriptions

|                                   |  |
|-----------------------------------|--|
| <b>bizhub 223</b>                 | Black & white communication center with 22 ppm. Standard Emperon™ print controller with PCL 6, PostScript 3, PDF 1.7 and XPS support. Paper capacity of 500 + 500 sheets and 150-sheet manual bypass. Media from A6 to A3 and 60–210 gsm. 2 GB memory, and Gigabit Ethernet. |
| <b>DF-621 Document feeder</b>     | Automatic document feeding of up to 100 originals  |
| <b>OC-509 Original cover</b>      | Cover instead of ADF   |
| <b>PC-109 1 x Universal tray</b>  | A5–A3; 1 x 500 sheets; 60–90 gsm   |
| <b>PC-208 2 x Universal tray</b>  | A5–A3; 2 x 500 sheets; 60–90 gsm   |
| <b>PC-409 Large capacity tray</b> | A4; 2,500 sheets; 60–90 gsm  |
| <b>DK-508 Copier desk</b>         | Storage of paper; etc.   |
| <b>FS-527 Staple finisher</b>     | 50 sheet stapling, output capacity 3,200 sheets  |
| <b>PK-517 Punch kit</b>           | Either 2 hole or 4 hole punching (permanent adjustment)  |
| <b>SD-509 Saddle kit</b>          | Booklet finishing  |
| <b>JS-603 Job separator</b>       | Separation of e.g. fax and copy/print output   |

|  |   |
|--|---|
| <b>FS-529 Staple finisher</b>          | 50 sheet stapling, output capacity 300 sheets   |
| <b>JS-505 Job separator</b>            | Separation of e.g. fax and copy/print output  |
| <b>WT-506 Working table</b>            | Authentication device placement   |
| <b>FK-508 Fax board</b>                | Super G3 fax  |
| <b>MK-726 Fax mount kit</b>            | I/F board for fax FK-508  |
| <b>HD-516 Hard disc</b>                | 250 GB; required for i-Option, box, authentication, animation guidance, mobile printing, etc. |
| <b>KH-101 Keyboard holder</b>          | To place the USB keyboard   |
| <b>EK-604 USB I/F kit</b>              | USB keyboard connection   |
| <b>EK-605 USB I/F kit</b>              | USB keyboard connection and Bluetooth   |
| <b>ID-Card reader</b>                  | Various card technologies   |
| <b>AU-102 Biometric authentication</b> | Finger vein scanner   |
| <b>SC-507 Security Kit</b>             | Copy Guard function   |
| <b>LK-101v2 i-Option licence</b>       | Web browser, image panel  |
| <b>LK-102 i-Option licence</b>         | PDF enhancement   |
| <b>LK-105 i-Option licence</b>         | Searchable PDF  |
| <b>UK-203 i-Option memory</b>          | Memory extension for i-Option   |

## Technical specifications

### COPIER SPECIFICATIONS

|                            |   |
|----------------------------|---|
| <b>Copying process</b>     | Electrostatic laser copy, tandem, indirect  |
| <b>Toner system</b>        | Simitri® HD polymerised toner   |
| <b>Copy/print speed A4</b> | Up to 22 cpm  |
| <b>Copy/print speed A3</b> | Up to 14 cpm  |
| <b>Autoduplex speed A4</b> | Up to 22 cpm  |
| <b>1st copy/print time</b> | 4.2 sec.  |
| <b>Warm-up time</b>        | Approx. 25 sec. <sup>1</sup> (without HDD)  |
| <b>Copy resolution</b>     | 600 x 600 dpi   |
| <b>Gradation</b>           | 256 gradations  |
| <b>Original format</b>     | A5–A3   |
| <b>Magnification</b>       | 25–400 % in 0.1% steps; auto-zooming  |
| <b>Copy functions</b>      | Chapter; cover and page insertion; proof copy (print and screen); adjustment test print, digital art functions, job setting memory; poster mode; image repeat; overlay; stamping; copy protection |

### PRINTER SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| <b>Print resolution</b>          | Equivalent to 1,800 x 600 dpi  |
| <b>Controller CPU</b>            | MPC8533E @ 667 MHz   |
| <b>Page description language</b> | PCL 6c (PCL 5c + XL3.0)<br>PostScript 3 (CPSI 3017)<br>XPS   |
| <b>Operating systems</b>         | Windows 2000<br>Windows XP (32/64)<br>Windows VISTA (32/64)<br>Windows 7 (32/64)<br>Windows Server 2000<br>Windows Server 2003/2008 (32/64), 2008 R2 (64)<br>Macintosh OS X 10.x<br>Unix, Linux, Citrix              |
| <b>Printer fonts</b>             | 80 PCL Latin<br>137 PostScript 3 Emulation Latin   |
| <b>Print functions</b>           | Direct print of PCL, PS, TIFF, XPS, PDF and encrypted PDF files; mixmedia and mixplex; "Easy Set" job programming; overlay (HDD required); watermark; copy protection, secure print (HDD required), USB direct print |

### SCANNER SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| <b>Scan speed (mono/colour)</b> | Up to 70/70 opm (300 dpi via opt. ADF)<br>Up to 42/42 opm (600 dpi via opt. ADF)   |
| <b>Scan resolution</b>          | Max.: 600 x 600 dpi  |
| <b>Scan modes</b>               | Network TWAIN scan<br>Scan-to-eMail (Scan-to-Me)<br>Scan-to-FTP<br>Scan-to-SMB (Scan-to-Home)<br>Scan-to-Box (HDD required)<br>Scan-to-WebDAV<br>Scan-to-DPWS<br>Scan-to-USB |
| <b>File formats</b>             | JPEG; TIFF; PDF; Compact PDF; Encrypted PDF; Outline PDF; Searchable PDF (optional); XPS; Compact XPS  |
| <b>Scan destinations</b>        | 2,100 (single + group); LDAP support   |
| <b>Scan functions</b>           | Annotation (text/time/date) for PDF (HDD required); up to 400 job programs   |

### FAX SPECIFICATIONS

|                         |  |
|-------------------------|--|
| <b>Fax standard</b>     | Super G3 (optional)  |
| <b>Fax transmission</b> | Analogue<br>i-Fax (HDD required)<br>IP-Fax (HDD required)  |
| <b>Fax resolution</b>   | Max.: 600 x 600 dpi (ultra-fine)   |
| <b>Fax compression</b>  | MH; MR; MMR; JBIG  |
| <b>Fax modem</b>        | Up to 33.6 Kbps  |
| <b>Fax destinations</b> | 2,100 (single + group)   |
| <b>Fax functions</b>    | Polling; time shift; PC-Fax; receipt to confidential box; receipt to email/FTP/SMB; up to 400 job programs |

<sup>1</sup> Warm up time may vary depending on the operating environment and usage

**USER BOX SPECIFICATION (HDD REQUIRED)**

|                                |  |
|--------------------------------|--|
| <b>Max. user boxes</b>         | 1,000  |
| <b>Max. storable documents</b> | Up to 3,000 documents or 10,000 pages  |
| <b>Type of user boxes</b>      | Public<br>Personal (with password or authentication)<br>Group (with authentication)      |
| <b>Type of system boxes</b>    | Secure print<br>Encrypted PDF print<br>Fax receipt<br>Fax polling                        |
| <b>User box functionality</b>  | Reprint<br>Combination<br>Download<br>Sending (email/FTP/SMB and Fax)<br>Copy box to box |

**SYSTEM SPECIFICATIONS**

|   |   |
|---|---|
| <b>System memory</b>                        | 2,048 MB  |
| <b>System hard disc</b>                     | 250 GB (optional)   |
| <b>HDD required for</b>                     | Complete box functionality (incl. secure printing),<br>Animated guidance, i-Option, PSES, mobile printing, OpenAPI<br>Copy functions: Program job, overlay<br>Print functions: Secure print<br>Scan functions: Scan annotation<br>Fax functions: i-Fax, IP-Fax<br>Authentication functions: PageScope Authentication Manager<br>USB direct print: Encrypted PDF |
| <b>Interface</b>                            | 10-Base-T/100-Base-T/1,000-Base-T Ethernet; USB 2.0   |
| <b>Network protocols</b>                    | TCP/IP (IPv4 / IPv6); IPX/SPX; NetBEUI; AppleTalk (EtherTalk);<br>SMB; LPD; IPP; SNMP; HTTP   |
| <b>Frame types</b>                          | Ethernet 802.2; Ethernet 802.3; Ethernet II; Ethernet SNAP  |
| <b>Automatic document feeder (optional)</b> | Up to 100 originals; A6-A3; 35-210 gsm simplex;<br>50-128 gsm duplex  |
| <b>Printable paper size</b>                 | A6-A3; customised paper sizes<br>(90-297 x 139.7-431.8 mm)  |
| <b>Printable paper weight</b>               | 60-210 gsm  |
| <b>Paper input capacity</b>                 | Standard: 1,150 sheets<br>Max.: 3,650 sheets  |
| <b>Tray 1</b>                               | 500 sheets; A5-A3, 60-90 gsm  |
| <b>Tray 2</b>                               | 500 sheets; A5-A3, 60-90 gsm  |
| <b>Tray 3 (optional)</b>                    | 500 sheets; A5-A3, 60-90 gsm  |
| <b>Tray 3 + 4 (optional)</b>                | 2 x 500 sheets; A5-A3, 60-90 gsm  |
| <b>Large capacity tray (optional)</b>       | 2,500 sheets; A4, 60-90 gsm   |
| <b>Automatic duplexing</b>                  | A5-A3; 60-90 gsm  |
| <b>Finishing modes (optional)</b>           | Offset; group; sort; staple; punch; centre-fold; booklet  |
| <b>Output capacity (with finisher)</b>      | Max.: 3,200 sheets  |
| <b>Output capacity (without finisher)</b>   | Max.: 250 sheets  |
| <b>Stapling</b>                             | 50 sheets or 48 sheets + 2 cover sheets (up to 209 gsm)   |
| <b>Stapling output capacity</b>             | Max.: 1,000 sheets  |
| <b>Booklet</b>                              | 15 sheets or 14 sheets + 1 cover sheet (up to 209 gsm)  |
| <b>Booklet output capacity</b>              | 75 sheets (tray)  |
| <b>Copy/print volume (monthly)</b>          | Rec.: 2,900 prints; Max.: 19,000 prints   |

|  |  |
|--|--|
| <b>Toner lifetime</b>                    | 17,500 pages                             |
| <b>Drum/developer lifetime</b>           | 80,000 pages                             |
| <b>Power consumption</b>                 | 220-240 V / 50/60 Hz<br>Less than 1.5 KW |
| <b>System dimensions (W x D x H, mm)</b> | 623 x 794 x 700                          |
| <b>System weight</b>                     | Approx. 66 kg                            |

**SYSTEM FEATURES**

|                   |  |
|-------------------|--|
| <b>Security</b>   | ISO 15408 EAL3; IP filtering and port blocking;<br>SSL2; SSL3 and TLS1.0 network communication;<br>IPsec support; IEEE 802.1x support; user authentication;<br>Authentication log; secure print (HDD required);<br>Hard disc overwrite (8 standard types);<br>Hard disc data encryption (AES 128);<br>Memory data auto deletion; confidential fax receiving;<br>Print user data encryption; copy protection<br>(Copy Guard and Password Copy optional) |
| <b>Accounting</b> | Up to 1,000 user accounts; Active Directory support<br>(user name + password + email + SMB folder)<br>User function access definition<br>Biometric authentication (finger vein) optional<br>ID-Card authentication (ID-Card reader) optional   |
| <b>Software</b>   | PageScope Net Care Device Manager<br>PageScope Data Administrator<br>PageScope Box Operator<br>PageScope Direct Print<br>Print Status Notifier<br>Driver Packaging Utility<br>Log Management Utility   |

- All specifications refer to A4-size paper of 80 gsm quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
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