

# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### bizhub 500/420 Specifications

Type	Desktop/freestanding/black & white/scanner/printer
Document holder	Stationary (mirror scanning)
Photoconductor	OPC
Luminous source	Xenon lamp
Copying system	Dry-type electrophotographic method
Developing system	Laser electrostatic transfer method
Fusing system	Roller fixing
Resolution	Scanning: 600 x 600 dpi; Printing and Copying: 1200 x 600 dpi equivalent
ADF Document Types and Size	<b>TYPES:</b> Sheets, books (spreads), three-dimensional objects <b>SIZE:</b> Maximum 11" x 17" (A3) <b>Weight:</b> 15 lb. (three-dimensional objects)
Paper	Plain paper (60 to 105 g/m <sup>2</sup> ), thick paper (106 to 210 g/m <sup>2</sup> )*, overhead projector transparencies*, letterheads, colored paper, envelopes*, label sheets* *Can only be fed through the 1st tray or the bypass tray
Copy sizes	<b>1ST &amp; 2ND TRAY:</b> 11" x 17" to 5.5" x 8.5" <b>BYPASS TRAY:</b> 11" x 17" to 5.5" x 8.5" 92 x 148 mm to 297 x 431.8 mm
Paper tray capacity	<b>1ST TRAY:</b> (Universal Cassette) Plain paper: 500 sheets (20 lb.) <b>2ND TRAY:</b> (Universal Cassette) Plain paper: 500 sheets (20 lb.) <b>BYPASS TRAY:</b> Plain paper: 150 sheets (20 lb.) Thick paper, overhead projector transparencies, label sheets, envelopes: 10 sheets or less, label sheets, blueprint master: 1 at a time
Paper capacity	Standard Paper Capacity: 1,150 sheets Maximum Paper Capacity: 5,650 sheets
Warm-up time	500: Less than 60 seconds 420: Less than 30 seconds (at room temperature)
Image area	Copying: Leading edge: < 3 mm Trailing edge: < 6 mm Left & Right Sides: < 3 mm Printing: Leading edge: < 3 mm Trailing edge: < 4 mm Left & Right Sides: < 2 mm
First copy	500: 3.2 seconds or less 420: 3.6 seconds or less

Print speed:*	<b>bizhub 500 (Simplex)</b>	
	5.5" x 8.5" R	50.5 ppm
	8.5" x 11" R	36.9 ppm
	8.5" x 11"	50.5 ppm
	8.5" x 14"	31.0 ppm
	11" x 17"	26.9 ppm
	<b>bizhub 420 (Simplex)</b>	
	5.5" x 8.5" R	42.4 ppm
	8.5" x 11" R	30.9 ppm
	8.5" x 11"	42.3 ppm
	8.5" x 14"	26.1 ppm
	11" x 17"	22.5 ppm
	<b>bizhub 500 (Duplex)</b>	
	5.5" x 8.5" R	52.2 ppm
8.5" x 11" R	39.2 ppm	
8.5" x 11"	50.2 ppm	
8.5" x 14"	33.0 ppm	
11" x 17"	16.2 ppm	
<b>bizhub 420 (Duplex)</b>		
5.5" x 8.5" R	43.2 ppm	
8.5" x 11" R	32.8 ppm	
8.5" x 11"	42.3 ppm	
8.5" x 14"	27.3 ppm	
11" x 17"	13.5 ppm	
*R = Reverse Orientation (Landscape)		
Magnification ratios	1.0 (full size): 1.000 ± 0.5% or less Enlarge: 121%, 129%, 155%, 200% Reduce: 79%, 77.2%, 65%, 50% Minimal (0.930)* Zoom: 0.250 to 4.000 (in 0.001 increments) Stored zoom ratios: 3	
Multiple copies	1 to 999 sheets	
Density control	Copy density: Manual (9 levels); Background density: Automatic and manual (9 levels)	
Power requirements	120 V, 12 A, 60 Hz	
Power consumption	Less than 1,560 W (including option)	
Dimensions	26.7" (W) 27.9" (D) 35.23" (H)	
Space requirements	38.5" (W) 27.9" (D)	
Memory (available hard disk space)	192 MB RAM (40 GB HD)	
Weight Approx.	201.1 lb	

### Duty Cycle

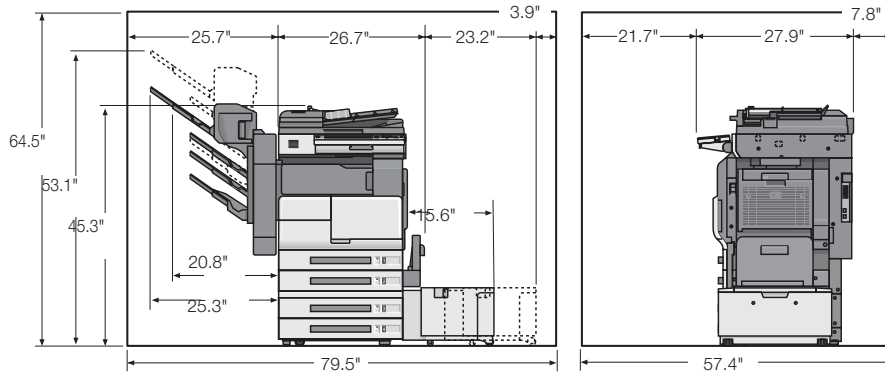
bizhub 500: 175,000, bizhub 420: 150,000  
Maximum monthly copy/print volume supported under standard vendor supplied service. Defines the upper end of the expected customer volume for the device. Customers should consider multiple machines if average monthly volume approaches duty cycle on a continual basis.

# Konica Minolta bizhub 500/420

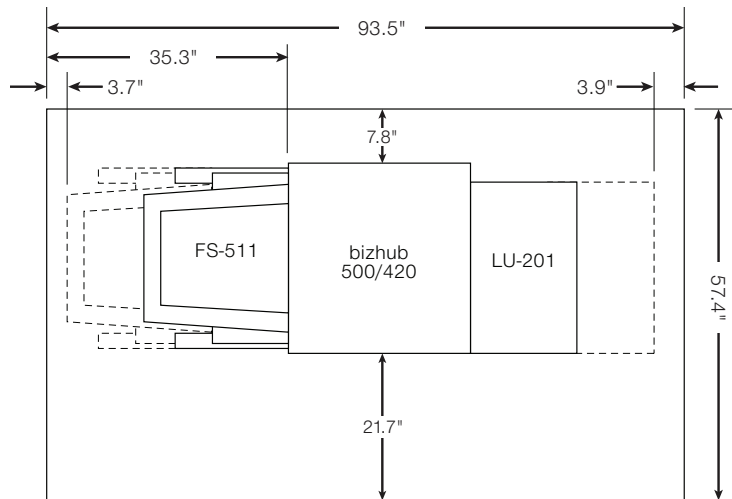
## Specification & Installation Guide



### Space Requirements



bizhub 500/420 + PC-202 + FS-510 + SD-502 + LU-201



Top view (not to scale)

### Environmental Requirements

Temperature	50° to 86° F
Humidity	10–80% RH
Noise while engine under operation	500: < 75 dB 420: < 73.7 dB
Ozone emission	< 2.0 mg/h
Fusing range	165C–190C

### Electrical Requirements

Line options:	Dedicated (Recommended)	NEMA Diagram for 5-15R
Voltage:	120 V AC	
Amperage:	12 A	
Cycles:	60 Hz	
NEMA Part No.:	5–15R	
Cord Length:	8 ft. 2 in.	

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### Component Considerations

#### FAX KIT FK-502\*



Communication	Super G3
Compatible Lines	PSTN, F telephone network (1300 Hz receivable)
Line Density	G3: 8 dot/mm x 3.85, 8 dot/mm x 7.7, 8 dot/mm x 15.4, 16 dot/mm x 15.4 (line/mm); 200 x 200 dpi; 400 x 400 dpi; 600 x 600 dpi
Modem Speed	2.4 kbps-33.6 kbps
Compression	MH/MR/MMR/JBIG
Sending Paper Size	Max. 11" x 17"
Recording Paper Size	11" x 17" to 5.5" x 8.5"
Transmission Speed	Less than 2 sec. (V.34, JBIG)
Fax Memory	32 MB (w/o HDD), 40 GB (w/HDD)
Number of Abbr.	2000 (w/HDD), 1000 (w/o HDD)
Number of Program Dial	400 (w/HDD), 200 (w/o HDD)
Number of Group Dial	100
Sequential Multiple Station Transmission	Max. 600
Other Transmitting Function	Original Size Setting, Automatic Rotation, Sequential TX, Timer Sequential TX, Double Sides Original Margin, TX Marker Stamp, Frame Erase Transmission, Background Adjustment, Memory Transmission, Timer Transmission, Manual Transmission, Password Transmission, Polling Transmission, Bulletin Function, Relay Transmission, Overseas TX, V.34 OFF, ECM OFF, Fax Retransmission
Other Receiving Function	Confidential Reception, Polling Reception, Memory Reception, Bulletin Function, Fax Forwarding (to a destination stored in address book), TSI Routing (to a destination stored in address book).

#### MULTI LINE FAX KIT ML-503 (Includes Fax Kit FK-502)



Function	Supports two fax lines. One line can be set up to send and one line receive, or both can be set up to send.
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#### AUTOMATIC DOCUMENT FEEDER DF-607



Type	Automatic Document Feeder
Support Paper Size	5.5" x 8.5" to 11" to 17" Lengthwise; 128 x 139.7 mm to 297 x 431.8 mm
Support Paper Weight	Single-sided: 35 to 128 gsm Double-sided: 50 to 128 gsm
Paper Capacity	Max. 80 sheets (20 lb. Bond)
Paper Transfer Speed	600 dpi: 50 opm/Simplex (25 opm/Duplex) 300 dpi: 70 opm/Simplex
Power Requirements	Supplied from main unit
Max. Power Consumption	48 W or less
Dimensions W x D x H	23" x 22" x 57"
Weight	22.1 lbs.

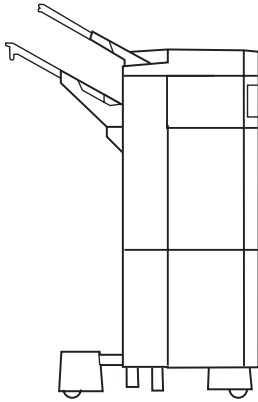
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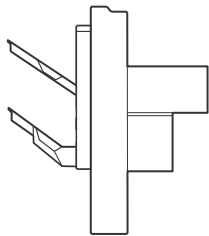
### Component Considerations (continued)

#### CONSOLE FINISHER FS-511



Type	Staple Finisher (Floor Type)
Support Paper Type	Plain paper, Particular Paper (50 to 130 g/m <sup>2</sup> ), Recycled Paper
Support Paper Size	5.5" x 8.5" to 11" x 17"
Mode	Non-sort/Sort/Group/Sort-staple/Group-staple
Stacking Capacity	<b>NON-SORT TRAY:</b> 250 sheets (Plain Paper, Recycled Paper); 20 sheets (Particular Paper) <b>ELEVATE TRAY:</b> 3,000 sheets (Letter or smaller), 1,500 sheets (Letter or larger)
Staple Mode	Corner upper/lower: 1 point/Center: 2 points
Staple Capacity	Max. 50 sheets or 100 sets of 2-page documents
Hole Punch Standard	2/3-Hole Punch (Selectable) Supported paper sizes: 8.5" x 11", 8.5" x 14", 11" x 17" Support paper weight: 60 to 90 g/m <sup>2</sup>
Power Requirements	Supplied from main unit
Max. Power Consumption	63 W or less
Dimensions W x D x H	21.2" x 25" x 41.5"
Weight Approx.	86.4 lbs.

#### BASE FINISHER FS-510



Type	Staple Saddle Finisher (Inner type)
Support Paper Type	Plain paper, Recycled Paper, Particular Paper (60 to 210 g/m <sup>2</sup> ),
Support Paper Size	5.5" x 8.5" to 11" x 17"
Mode	Non-sort/Sort/Sort-staple
Stacking Capacity	<b>NON-SORT:</b> <b>TRAY 1:</b> 200 sheets, 20 sheets (Particular Paper) <b>TRAY 2:</b> 1,000 sheets (Letter-size or less), 20 sheets (Particular Paper) <b>SORT:</b> <b>TRAY 1:</b> 200 sheets <b>TRAY 2:</b> 1,000 sheets (Letter-size or less), 20 sheets (Particular Paper)
Staple Mode	Corner upper/lower-1 point/Center-2 points
Staple Capacity	Max. 50 sheets
Available Opt.	Mailbin Kit MT-501, Saddle Stitcher SD-502, Punch Kit PU-501, Output Tray OT-601
Power Requirements	Supplied from main unit
Max. Power Consumption	66 W or less
Dimensions W x D x H	12.5" x 22" x 22.5"
Weight Approx.	47.2 lbs.
Consumables	Staples MS-5D (5,000 Staples x 3)

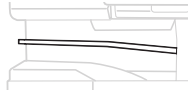
# Konica Minolta bizhub 500/420

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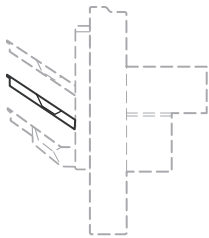
### Component Considerations (continued)

#### JOB SEPARATOR TRAY JS-502 (Requires OT-501)



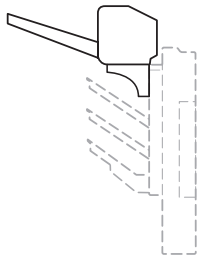
Support Paper Types	Plain Paper, Recycled Papers
Support Paper Size	5.5" x 8.5" to 11" x 17"
Paper Capacity	100 sheets
Power Requirements	Supplied from MFP main body
Dimensions W x D x H	17.7" x 20.1" x 7.2"
Weight Approx.	3.7 lbs.

#### OUTPUT TRAY OT-601 (for FS-510)



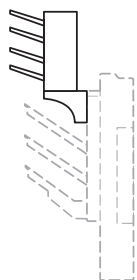
Support Paper Types	Plain, Recycled, and Particular Papers (50 to 210 g/m <sup>2</sup> )
Modes	Nonsort/Sort/Group/Staple Sort
Support Paper Sizes	5.5" x 8.5" to 11" x 17"
Stacking Capacity	200 sheets (Plain Paper/Recycled Paper) 20 sheets (Specialty Papers)
Staple Mode	Corner upper/lower: 1 point, Center: 2 point
Staple Capacity	Max. 50 sheets
Dimensions W x D x H	11.1" x 14.5" x 2.2"
Weight Approx.	1.5 lbs.

#### SADDLE STITCHER SD-502 (for FS-510)



Support Paper Types	Plain Paper, Recycled Papers (56-90 gm2)
Support Paper Size	8.5" x 11" and 11" x 17"
Stacking Capacity	200 sheets or 20 sets
Staple Mode	Center: 2 point
Staple Capacity	2-15 sheets (Max. 60 sheets)
Dimensions W x D x H	17.5" x 8.0" x 18.8"
Weight Approx.	20.5 lbs.

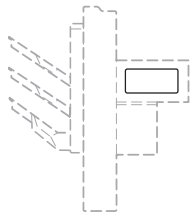
#### MAIL BIN KIT MT-501 (for FS-510)



Support Paper Types	Plain Paper, Recycled Papers (56-90 gm2)
Support Paper Size	5.5" x 8.5" and 8.5" x 11"
Number of Bins	4
Stacking Capacity	125 sheets per bin (total 500 sheets)
Empty/Full Sensor	Yes/Yes
Dimensions W x D x H	13.4" x 19.8" 15.2"
Weight Approx.	17.6 lbs.

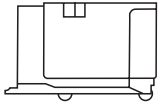
### Component Considerations (continued)

#### PUNCH KIT PU-501 (for FS-510)



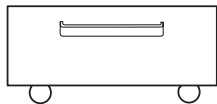
Number of holes	2/3-holes, Diameter: 8 mm
Support Paper Weight	60 to 130 g/m <sup>2</sup>
Support Paper Size	5.5" x 8.5" to 11" x 17"
Power Requirements	from FS-510
Dimensions W x D x H	4.5" x 17.8" x 5.3"
Weight Approx.	4.2 lbs.

#### LARGE CAPACITY UNIT LU-201



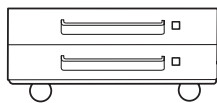
Support Paper Types	Plain Paper, Recycled Papers (56–105 gm <sup>2</sup> )
Support Paper Size	8.5" x 11" only
Paper Capacity	2,000 sheets (20 lb.)
Power Requirements	Supplied from MFP main body
Max. Power Consumption	30W or less
Dimensions W x D x H	16.7" x 20.3" x 11.6"
Weight Approx.	35.3 lbs.

#### COPY DESK DK-501



Function	Stores copying material such as paper or toner. Required when no additional paper drawers are installed to bring device to operational height.
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#### PAPER FEED CABINET PC-202



Type	2 x 500 sheet universal drawers
Support Paper Type	Plain Paper (16 to 28 lb.)
Support Paper Size	5.5" x 8.5" to 11" x 17"
Paper Capacity	500 sheets x 2 (20 lbs.)
Power Requirements	Supplied from the MFP main body
Max. Power Consumption	15W or less
Dimensions W x D x H	22.5" x 21.5" x 10.25"
Weight Approx.	57.3 lbs.

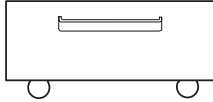
# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### Component Considerations (continued)

#### PAPER FEED CABINET PC-402



Type	Large capacity cassette
Support Paper Type	Plain Paper (16 to 28 lb. bond)
Support Paper Size	8.5" x 11" Crosswise only
Paper Capacity	2,500 sheets (20 lb.)
Power Requirements	Supplied from the MFP main body
Max. Power Consumption	45W or less
Dimensions W x D x H	22.4" x 21.6" x 10.3"
Weight Approx.	57.3 lbs.

Product appearance, configuration and/or specifications are subject to change without notice.

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\*As an ENERGY STAR Partner, KONICA MINOLTA BUSINESS TECHNOLOGIES, INC. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

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# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### Print Controller IC-204

Type	Internal Type
CPU	MPC8245 400 MHz (Shared with the copier)
Memory	192 MB (Shared with the copier)
Print Speed	bizhub 500: 50 ppm bizhub 420: 42 ppm
Print Resolution	600 x 600 dpi/ 1,200 dpi (equivalent) x 600 dpi
PDL	PCL5e/PCL6 (XL), PS3 Emulation
Protocol	TCP/IP, IPX/SPX, Net BEUI, AppleTalk (EtherTalk) PAP
Support OS	Windows 98SE, Windows Me, Windows NT4.0 SP6, Windows 2000, Windows XP, Windows Server 2003, Mac OS 9.2 – OS X 10.4 (PPD files)
Font	PCL Resident Fonts: 80 outline + 1 bitmap PS3 Emulation Resident Fonts: 136 outline

### Network Functions

#### Sending the Scanned Data in an Email Message

The scanned data can be sent to a specified Email address. The destination is specified from the touch panel of this machine, and the scanned data is sent as an Email attachment.

#### Sending the Scanned Data as Files (FTP)

The scanned data is uploaded to a specified FTP server. The FTP server address, login password, and other information are entered from the touch panel of this machine. The data files uploaded to the FTP server can be downloaded from a computer on the network.

#### Sending the Scanned Data to a Computer on the Network (SMB)

The scanned data can be sent to a shared folder on a specified computer. The name of the destination computer, login password, and other information are entered from the touch panel of this machine.

#### Saving the Scanned Data in Boxes

The scanned data can be saved in boxes created on the machine's internal hard disk. The data can be used in other applications. The file name can be entered from the touch panel of the machine.

### Print Drivers

Page Description Language	Printer Driver	Supported Operating Systems
PCL (PCL XL 2.1)	Konica Minolta Driver	Windows 98 Second Edition, Windows Me, Windows NT 4.0 (Service Pack 6a), Windows 2000, Windows XP and Windows Server 2003
PostScript 3 Emulation	Konica Minolta	Windows NT 4.1/2000/XP/2003 Server
	PostScript PPD Driver	Windows 98 Second Edition, Windows Me/NT 4.0/200/XP/2003 Server Mac OS 9.2 or later, Mac OS X 10.2, and Mac OS X 10.4

\* The User Software CD-ROM contains the PCL printer driver, and the PostScript Printer Driver CD-ROM contain the PostScript driver.

### Print Specifications

Item	Specifications
Power Supply	Common with the main body
CPU	MPC8245 400 MHz
RAM	192 MB
Optional Hard Disk	40 GB
Interface	Standard: Ethernet (100Base-T or 100Base-TX) USB 2.0 and IEEE 1284
Frame Type	Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP
Supported Protocols	TCP/IP IPX/SPX NetBEUI AppleTalk (EtherTalk)
Printer Language	PCL5e/c Emulation PCL6 (XL 2.1) Emulation PostScript 3 Emulation
Operating Environment Conditions	Temperature 50° to 86° F Humidity 10 to 80% RH

continued



# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### Print Specifications (continued)

Item	Specifications				
Resolution	600 x 600 dpi (printing and fax operations) 400 x 400 dpi (fax operations) 200 x 200 dpi (fax operations)				
Supported Paper Sizes	5.5" x 8.5" to 11" x 17"				
Printer Fonts	PCL: Latin 80 Fonts Postscript 3 Emulation: Latin 136 Fonts				
Compatible Computers	IBM PC or compatible				
Supported Operating Systems	<table border="0"> <tr> <td>Server</td> <td>Windows NT 4.0, Windows 2000, or Windows Server 2003</td> </tr> <tr> <td>Client</td> <td>Windows 98 Second Edition, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 (Service Pack 6a) Mac OS 9.2 or later or Mac OS X 10.2 or 10.4</td> </tr> </table>	Server	Windows NT 4.0, Windows 2000, or Windows Server 2003	Client	Windows 98 Second Edition, Windows Me, Windows 2000, Windows XP, or Windows NT 4.0 (Service Pack 6a) Mac OS 9.2 or later or Mac OS X 10.2 or 10.4
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Printer Driver Emulation	<table border="0"> <tr> <td>PCL6</td> <td> <ul style="list-style-type: none"> <li>Windows 98 Second Edition or Windows Me Printer Driver</li> <li>Windows 2000, Windows XP, or Windows 2003 Printer Driver</li> <li>Windows NT 4.0 (Service Pack 6) Printer Driver</li> </ul> </td> </tr> <tr> <td>PS3</td> <td> <ul style="list-style-type: none"> <li>Windows 98 Second Edition or Windows Me PPD File</li> <li>Windows NT 4.0 (Service Pack 6)</li> <li>Windows 2000</li> <li>Windows XP</li> <li>Windows Server 2003 Printer Driver</li> <li>Mac OS 9.2 PPD File</li> <li>Mac OS X 10.2 or Mac OS X 10.4 Printer Driver</li> </ul> </td> </tr> </table>	PCL6	<ul style="list-style-type: none"> <li>Windows 98 Second Edition or Windows Me Printer Driver</li> <li>Windows 2000, Windows XP, or Windows 2003 Printer Driver</li> <li>Windows NT 4.0 (Service Pack 6) Printer Driver</li> </ul>	PS3	<ul style="list-style-type: none"> <li>Windows 98 Second Edition or Windows Me PPD File</li> <li>Windows NT 4.0 (Service Pack 6)</li> <li>Windows 2000</li> <li>Windows XP</li> <li>Windows Server 2003 Printer Driver</li> <li>Mac OS 9.2 PPD File</li> <li>Mac OS X 10.2 or Mac OS X 10.4 Printer Driver</li> </ul>
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Utility	PageScope Web Connection Web Browsers: Microsoft Internet Explorer 6 or later recommended (Java-Script enabled, Cookies enabled), Microsoft XML Parser MSXML3.X must be installed when using Internet Explorer 5.X., Netscape Navigator 7.02 or later (JavaScript enabled, Cookies enabled), J2RE (Java 2 Runtime Environment) required				

### Scanning Function (Standard)

Type	Monochrome Image Scanner
Scanning Size	5.5" x 8.5" to 11" x 17"
Scanning Resolution	600/400/300/200 dpi
Scanning Speed	50 opm (600 dpi); 70 opm (400 dpi); 70 opm (300 dpi); 70 opm (200 dpi);
Main Function	Scan-to-Email, Scan-to-Box (HDD) (Requires opt. HDD), Scan-to-FTP, Scan-to-SMB (Desktop Folder), Network TWAIN (via Ethernet TCP/IP)
Interface	Ethernet 100Base-TX/100Base-T
Protocol	SMTP, TCP/IP, HTTP, FTP, LDAP
Support OS (Driver)	Windows 98SE, Windows Me, Windows NT4.0 SP6, Windows 2000, Windows XP, Windows Server 2003, Mac OS
Output Format	TIFF, PDF
Driver	TWAIN
Address Setting	LDAP, Import/Export address from PageScope Web Connection
Authentication	Authentication in sending Email, Network User Authentication

\*Text and image scanning speeds vary depending on the type of document.

### PageScope Software

#### Device Management:

- PageScope Box Operator
- PageScope Web Connection
- PageScope Data Administrator
- PageScope Net Care
- PageScope Network Setup
- PageScope NDPS Gateway
- PageScope EMS Plug-In
- PageScope Job Spooler
- PageScope Workware (optional)
- PageScope Router (optional)
- Print Status Notifier (optional)
- PageScope Direct Print (optional)

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### Security Note: Measurements are in inches.

Because information assets are critical, a company needs to effectively protect against the many security risks it faces.

- 1) Prevent leaks of proprietary, confidential or personal information
- 2) Prevent Unauthorized use of equipment
- 3) Protect data from being altered, duplicated or deleted
- 4) Prevent Unauthorized access to data via the Internet
- 5) Protect against cyber attacks
- 6) Manage log history

Konica Minolta uses state-of-the-art technologies to safeguard data and equipment from a variety of security risks. With its many protective functions, the 500/420 offers a level of security equivalent to ISO 15408 (EAL3 in evaluation), the international standard for security.

#### Protective Functions:

- Delete graphic data (when disposing of machine) HDD Sanitizing
- Delete graphic data (after each job) Job Erase
- Lock job (when printing confidential documents)
- Protect data by requiring department name and 8-digit password (Account Track)
- Built-in user authentication function
- HDD Password Lock
- Prevent Unauthorized Use (Admin. Function)
- Operation log with 2,000-event memory
- Network authentication
- SMTP authentication for Email
- SSL/TSL compatibility for PS Web Connection, PS Data Administrator, LDAP server
- Scan data encryption (TCP/socket SSL compatibility)
- SASL authentication for LDAP server
- Box operator data encryption
- Verification of Box data receipt
- HDD Encryption
- Copy Protect

## Paper Considerations

### Paper Size Conversion Chart

Paper	Letter	Letter R	Legal	Tabloid	Statement	Statement R
Measurement	8.5" x 11"	11" x 8.5"	8.5" x 14"	11" x 17"	5.5" x 8.5"	8.5" x 5.5"

### Paper Weight Conversion Chart

gsm	Bond	Offset	Cover	Tag	Index	Point	Bristol	Caliper	
								inches	mm
60.20	16	40	22	37	33	3.2	27.4	0.0032	0.081
67.72	18	45	24	41	37	3.6	30.9	0.0036	0.092
75.20	20	50	28	46	42	3.8	34.3	0.0038	0.097
90.30	24	60	33	56	50	4.8	41.2	0.0048	0.120
105.35	28	70	39	64	58	5.8	48.1	0.0058	0.147
109.11	29	73	40	62	60	6.0	49.8	0.0060	0.152
116.63	31	81	45	73	66	6.1	53.2	0.0061	0.155
131.68	35	90	48	80	74	6.2	60.1	0.0062	0.157
135.45	36	90	50	82	75	6.8	61.8	0.0068	0.173
146.73	39	100	54	90	81	7.2	67.0	0.0072	0.183
150.50	40	100	56	93	83	7.3	68.7	0.0073	0.185
161.78	43	110	60	100	90	7.4	73.8	0.0074	0.188
165.55	44	110	61	02	92	7.6	75.5	0.0076	0.193
176.83	47	120	65	108	97	8.0	80.7	0.0078	0.198
199.41	53	135	74	122	110	9.0	91.0	0.0085	0.216
203.17	54	137	75	125	113	9.0	92.7	0.0090	0.229
218.22	58	146	80	134	120	9.5	99.6	0.0092	0.234
244.56	65	165	90	50	135	10.0	111.6	0.0095	0.241
252.08	67	170	93	156	140	10.5	115.1	0.0100	0.250
270.90	72	183	100	166	150	11.0	123.7	0.0110	0.289
285.95	76	192	105	175	158	13.0	130.5	0.0130	0.330
308.52	82	208	114	189	170	14.0	140.8	0.0140	0.356
312.00	87	220	120	200	180	15.0	142.4	0.0150	0.380
385.06	105	267	146	244	220	18.0	175.8	0.0175	0.445

### Paper Type Specifications

#### Fine

The Fine paper is a non-coated paper generally used for offset printing. The fine paper has a high degree of whiteness and used for various purposes. Specify [Fine] to a tray to which the fine paper is loaded.

#### Normal

The Normal paper is used for copying in general and is called "PPC paper." The normal paper is usually not a recycled paper. Specify [Normal] to the tray to which the normal paper or the recycled paper for copying is loaded.

#### Book/News

The Book/News paper is used for a body part of a book. It is a highly opaque paper to prevent prints to be seen from the back, or a cream-colored paper for ease of reading. Specify [Book/News] to a tray to which this type of paper is loaded.

#### Blank Insert

Blank Insert is not a category of the paper type. This is only fed without being printed. When the Cover With Blank Sheet, Blank Insert, or OHP interleave blank function is used, specify [Blank Insert] to a tray to which a paper already printed and not copied by this machine is loaded, or a blank paper only to be fed is loaded.

#### User

When a paper type other than that of which can be specified on this machine is used, use this function. For the details, contact your service representative.

#### OHP

Specify [OHP] to a tray to which transparent films are loaded.

### Recommended Paper Stocks

Classification	Brand of Paper
Plain Paper	Hammermill Tidal MP (75 g/m <sup>2</sup> )
Plain Paper	Xerox 4024
Recycled Paper	Great White (75 g/m <sup>2</sup> )
Recycled Paper	Weyerhaeuser Recycled Laser Copy
Thick Paper	Hammermill Cover 65 lb (176 g/m <sup>2</sup> )
Thick Paper	Hammermill Laser Print 32 lb Bond
Thin Paper	Domtar 16 lb Bond
Labels*	Avery 5160, 5352, 944410
OHP Film	HP922 96T

\*Labels should be fed one sheet at a time.

# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### How to Build a bizhub 500/420 System (from start to finish)

#### START: bizhub 500/420 BASE UNIT

Come standard with: Drum, Developer (1), DF-607, Duplex Unit, 192 MB Memory (max.), Tray 1 (500 sheets), Tray 2 (500 sheets), Intelligent Bypass (150 sheets), Total Standard Paper Capacity: 1,150 sheets (5,650 max.)

#### STEP 1: DOCUMENT HANDLING OPTIONS

- DF-607 Reversing Document Feeder (Standard)

#### STEP 2: OUTPUT OPTIONS

- OT-501 Output Tray (Required if no finisher is purchased)
- JS-502 Job Separator Tray (Requires OT-501)

#### STEP 3: FINISHER OPTIONS

- Duplex Unit (Standard)
  - FS-511 Console Finisher (Includes RU-502)
  - FS-510 Base Finisher
  - MT-501 Mailbin Kit
  - SD-502 Saddle Stitcher
  - PU-501 Punch Unit (2/3)
  - OT-601 Output Tray
- Cannot be combined

#### STEP 4: PAPER SUPPLY/CABINET STAND OPTION

- PC-402 Paper Feed Cabinet (2,500 sheets; Letter only)
- PC-202 Paper Feed Cabinet (2 x 500 sheets; Universal)
- LU-201 Large Capacity Unit (2,000 sheets; Letter only)
- DK-501 Copy Desk (2-drawer height cabinet)

#### STEP 5: ADDITIONAL OPTIONS

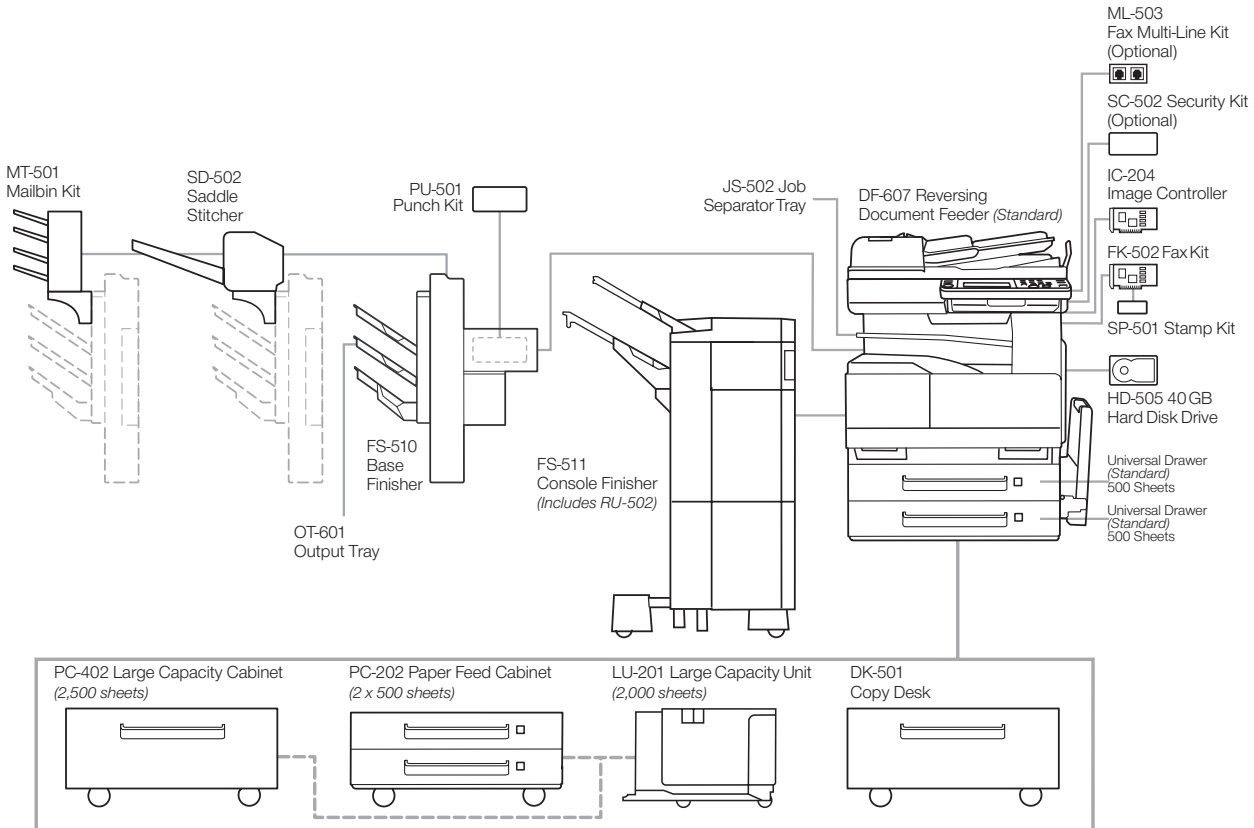
- HD-505 40 GB Hard Disk Drive (for copy, print and scan functions)
- SC-502 Security Kit

#### STEP 6: ANALOG FAXING OPTIONS

- FK-502 Fax Kit (Includes MK-708)
  - SP-501 Stamp Kit (Requires fax option)
- ML-503 Fax Multi-Line Kit (Includes FK-502, MK-708)

#### STEP 7: CONTROLLER OPTION

- IC-204 Image Controller



# Konica Minolta bizhub 500/420

## Specification & Installation Guide



### Accessory Options for bizhub 500/420 Digital Printer/Copier/Scanner/Fax

ACCESSORIES	ITEM NO.	DESCRIPTION	bizhub 500 50GE	bizhub 420 42GE	NOTES
<b>BASE UNIT</b>					
bizhub 500	50GE	500 Digital Copier	●		Includes: Drum, Developer (1), DF-607, Duplex Unit, 192 MB Memory (max.), Tray 1 (500 sheets), Tray 2 (500 sheets), Intelligent Bypass (150 sheets), Total Standard Paper Capacity: 1,150 sheets (5,650 max.)
bizhub 420	42GE	420 Digital Copier		●	Includes: Drum, Developer (1), DF-607, Duplex Unit, 192 MB Memory (max.), Tray 1 (500 sheets), Tray 2 (500 sheets), Intelligent Bypass (150 sheets), Total Standard Paper Capacity: 1,150 sheets (5,650 max.)
<b>DOCUMENT HANDLING OPTIONS</b>					
DF-607	—	Reversing Document Feeder (Standard)	●	●	80 sheet capacity. Up to 70 opm.
<b>OUTPUT OPTIONS</b> (One of the following is required)					
OT-501	16BA	Output Tray	●	●	Output Tray only (Required when no finisher is purchased)
JS-502	4347711	Job Separator Tray	●	●	Separates output. Not available with FS-510 or FS-511. (Requires OT-501)
FS-510	4349812	Base Finisher (Internal Type)	●	●	Finisher must be installed to support FS-510 options. (Internal Finisher)
FS-511	4521X001	Console Finisher (with Relay Unit)	●	●	Includes RU-502 Relay Unit. Floor type finisher. Includes 2/3-Hole Punch & Stapling (Standard).
<b>FS-510 FINISHER OPTIONS</b>					
—	—	Duplex Unit (Standard)	●	●	Standard duplex printing.
OT-601	4625241	Output Tray	●	●	Adds third tray to FS-510 finisher; used to separate print, copy and fax output
MT-501	4510712	Mailbin Kit	●	●	Requires FS-510; Allows for outputting documents in various trays. Cannot be combined with SD-502.
PU-501	4512812	Punch Unit	●	●	Requires FS-510; Provides 2/3-hole punch
SD-502	4511811	Saddle Stitcher	●	●	Requires FS-510; Provides booklet making capability. Cannot be combined with MT-501 Mailbin Kit
<b>PAPER SUPPLY OPTIONS</b> (Both models include two universal drawers, each with a 500 sheet paper capacity and a 150-sheet multi bypass tray)					
LU-201	16AA	Large Capacity Unit (2,000 sheets)	●	●	Increases paper capacity to 5,650 sheets. Requires PC-202 or PC-402.
PC-202	4061212	2-Way Paper Feed Cabinet (Universal, Two 500-sheet paper drawers)	●	●	Increases paper capacity to 2,150 sheets. Adds 1,000 sheets to standard paper supply.
PC-402	4061317	Large Capacity Cabinet (Letter, 2,500-sheet drawer)	●	●	Increases system to maximum paper capacity of 3,650 sheets. Adds 2,500 sheets to standard paper supply.
<b>PRINTER/COPIER STAND OPTION</b>					
DK-501	4348011	Copy Desk	●	●	Required when no additional paper drawers are installed to bring device to operational height.
<b>ADDITIONAL OPTIONS</b>					
HD-505	16GA	40 GB Hard Disk Drive	●	●	Required to support Scan-to-HDD and other functions. See bizhub 500/420 Product & Sales Guide for details.
SC-502	16HA	HDD Encryption Kit	●	●	Encrypts all data stored on HDD. Provides encryption priority and overwrite priority selections.
<b>FAX OPTIONS</b>					
FK-502	15LBX004	Fax Kit	●	●	33.6 Kbps faxing. Includes MK-708 Mount Kit.
SP-501	4614506	Stamp Kit	●	●	Successful fax transmissions are marked (Stamped).
ML-503	7640X023	Fax Multi-Line Kit	●	●	Adds second line to bizhub 500/420. Kit includes dual Line and fax board FK-502.
<b>CONTROLLER OPTION</b>					
IC-204	16JE	Image Controller	●	●	Adds PCL 6/PS 3 emulation printing capability.
<b>CONSUMABLE YIELDS</b>					
CONSUMABLE	ITEM NO.	DESCRIPTION	bizhub 500	bizhub 420	NOTES
Toner TN-511	024E	Polymerized Toner	●	●	32.2K Yield (6% coverage)
Developer DV-511	024G	Developer	●	●	250K Yield (6% coverage)
Photoconductor DR-510	024K	Drum Unit	●	●	250K Yield (6% coverage)
Staples MS-5D	4623361	For FS-511 and FS-510 Finishers (5,000 staples/cartridge x 3)	●	●	Same as bizhub 350/250/200 Series FN-511 Staples.
Staples MS-2C	4599161	For Saddle Stitcher Kit SD-502 (2,000 staples/cartridge x 4)	●	●	Same as bizhub 350/250/200 Series SD-502 Saddle Stitcher