

bizhub 308/368 Series

Service Launch Guide

December 2016



KONICA MINOLTA

Konica Minolta bizhub 368/308

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KONICA MINOLTA

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Konica Minolta bizhub 368/308 Specification & Installation Guide



KONICA MINOLTA

11/02/2016

bizhub 368/308 Specifications

Type	Printer/Copier/Scanner
Document holder	Stationary (mirror scanning)
Photoconductor	OPC
Luminous source	LED light-source illumination
Copying system	Laser electrostatic copy method
Developing system	Dry-2 component developing method
Fusing system	Belt Fusing
Resolution	Scanning: 600 x 600 dpi Printing: 1200 x 1200 dpi
Document holder	Types: sheets, books (2-page spreads), three-dimensional objects Size: Maximum 11" x 17" Weight: 4.5 lb.
Paper	Thin Paper (14 lb. to 15.5 lb.)* Plain Paper (16 lb. to 24 lb.) Thick Paper 1 (24.25 lb. to 32 lb.) Thick Paper 1+ (32.25 lb. to 41.75 lb.) Thick Paper 2 (42 lb. to 55.5 lb.) Thick Paper 3 (55.75 lb. to 68 lb.) Thick Paper 4 (68.25 lb. to 79.75 lb.)** Recycled Paper (16 lb. to 24 lb.) Special Paper (16 lb. to 24 lb.) Letterhead (16 lb. to 24 lb.) Color Paper (16 lb. to 24 lb.) 1-Sided Special Paper (16 lb. to 24 lb.) Banner Paper** (34 lb. to 55.5 lb.) OHP Transparencies**, envelopes**, label sheets**, tabs**, postcards** *Cannot be fed through the bypass tray. **Can only be fed through the bypass tray; Monochrome copying/printing on transparencies is supported. Color copying/printing on transparencies is NOT supported.
Copy sizes	1st Tray: 11" x 17" to 8.5" x 11", 5.5" x 8.5", 8" x 13"* 2nd Tray: 12.25" x 18" to 8.5" x 11", 5.5" x 8.5", 8" x 13"* Bypass Tray: 12" x 18" to 5.5" x 8.5", 12.25" x 18", 4" x 6", 8" x 13"*, Banner Paper *There are six Foolscap sizes: 220 x 330mm (☐), 8.5" x 13.5", 8.5" x 13" (☐), 8.25" x 13 (☐), 8.12" x 13.25" (☐) and 8" x 13" (☐). Any one of these sizes can be selected. For details, please consult with your authorized Konica Minolta Service representative.
Paper tray capacity	1st Tray and 2nd Tray: Thin Paper/Plain Paper/Recycled Paper/Special Paper/Letterhead/Color Paper/1-Sided Special Paper: 500 sheets; Thick Paper 1/1+/2/3: 150 sheets
Paper tray capacity (cont.)	Bypass Tray: Plain Paper/Recycled Paper/Special Paper/Letterhead/Color Paper/1-Sided Special Paper: 150 sheets; Thick Paper 1/1+/2/3/4/OHP Transparencies/Postcards/Tabs: 20 sheets; Envelopes: 10; Banner Paper/Label sheets: 10 sheets

Copy exit tray capacity	Thin Paper: 100 sheets Plain Paper: 250 sheets Thick Paper: 10 sheets Overhead Projection Transparencies*: 1 sheet *Can only be fed through the bypass tray; Monochrome copying/printing on transparencies is supported. Color copying/printing on transparencies is NOT supported.																					
Warm-up time	Less than 20 seconds (at room temperature/73.4° F)																					
Image loss width	Leading edge: 0.1875" Trailing edge: 0.125" Rear edge: 0.125" Front edge: 0.125"																					
First copy	368: 5.0 sec. or less 308: 5.4 sec. or less																					
Print speed*: (Full Color/B&W) (Simplex/Duplex)	bizhub 368: Thin paper: 25 sheets/min. Plain paper: 36 sheets/min. Thick 1/Thick 1+/Thick 2/Thick 3: 18 sheets/min. Thick 4: 18 sheets/min. (from Bypass) bizhub 308: Thin paper: 21 sheets/min. Plain paper: 30 sheets/min. Thick 1/Thick 1+/Thick 2/ Thick 3/Thick 4: 18 sheets/min.																					
Print speed (ppm)*:	Single Sided/Plain Paper:																					
	<table border="1"> <thead> <tr> <th>Size</th> <th>368</th> <th>308</th> </tr> </thead> <tbody> <tr> <td>11" x 17"</td> <td>18</td> <td>15</td> </tr> <tr> <td>8.5" x 14"</td> <td>20</td> <td>17</td> </tr> <tr> <td>8.5" x 11" ☐</td> <td>36</td> <td>30</td> </tr> <tr> <td>8.5" x 11" ☐</td> <td>26</td> <td>22</td> </tr> <tr> <td>5.5" x 8.5" ☐</td> <td>36</td> <td>30</td> </tr> <tr> <td>8" x 13" ☐</td> <td>20</td> <td>17</td> </tr> </tbody> </table>	Size	368	308	11" x 17"	18	15	8.5" x 14"	20	17	8.5" x 11" ☐	36	30	8.5" x 11" ☐	26	22	5.5" x 8.5" ☐	36	30	8" x 13" ☐	20	17
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	*Using 1st Tray																					
Magnification ratios	1.0 (full size: 1.00+/-0.5% or less) Enlarge: 121.4%, 129.4%, 154.5%, 200% Reduce: 78.5%, 73.3%, 64.7%, 50.0% Minimal: 93% Stored Zoom Ratios: 3 "Minimal" zoom ratio (90% to 99.9%)																					
Multiple copies	1 to 9,999 sheets																					
Density control	Copy Density: Manual Density Adjustment (9 Levels); Background Density: Automatic and Manual Density Adjustments (9 levels)																					

continued

Konica Minolta bizhub 368/308

Specification & Installation Guide



bizhub 368/308 Specifications continued

Power requirements	120V, 12 A, 60 Hz
Power consumption	0.50 kW or less
TEC Value	368: 1.8 kWh 308: 1.5 kWh
Dimensions (with control panel)	24.2" (W) x 27" (D) x 31" (H)
Space requirements*	36.9" (W) x 47.8" (D) x 30.7" (H)
Memory (when UK-211 is installed)	4 GB
Weight	Approx. 187 lb.

* The indicated space requirements represent the space required to pull out the paper tray and the tray extension of the bypass tray and with the ADF open.

Duty Cycle


Up to **368:** 175,000/**308:** 150,000

The Maximum Monthly Duty Cycle describes the maximum number of pages a device can output on a monthly basis. This specification is a guideline intended to offer a comparison of durability as it relates to the entire Konica Minolta MFP and printer product line so that the appropriate device can be placed in order to meet customers needs. If you anticipate that the device will run at the maximum monthly volume for extended period of time, we recommend multiple devices or a higher-end device.

Environmental Requirements

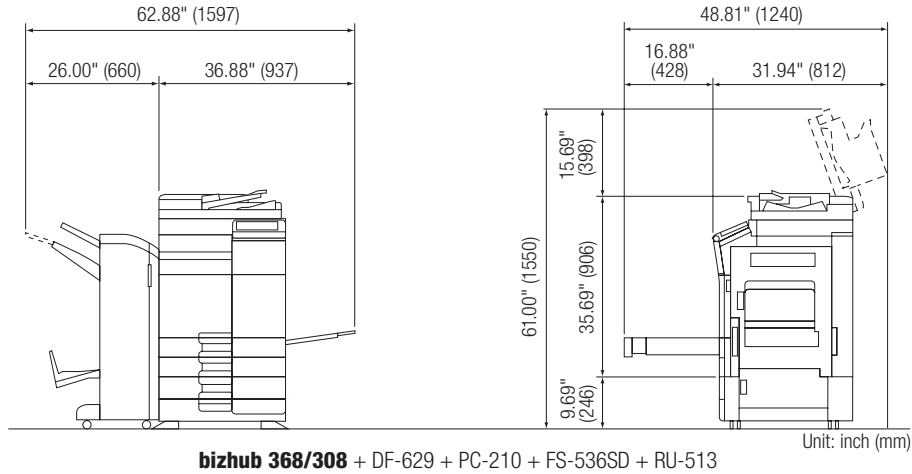
Temperature	50° F to 86° F
Humidity	15% to 85%
Noise during operation (BW/Color)	368: 71.6 dB/71.8 dB 308: 69.5 dB/70.0 dB
Noise during feeder operation (FS-536/FS-533)	368: 68.8 dB or less 308: 68.0 dB or less
Noise during standby	40.5 dB or less
Ozone emission	1.5 mg/h

bizhub 368/308 Electrical Requirements

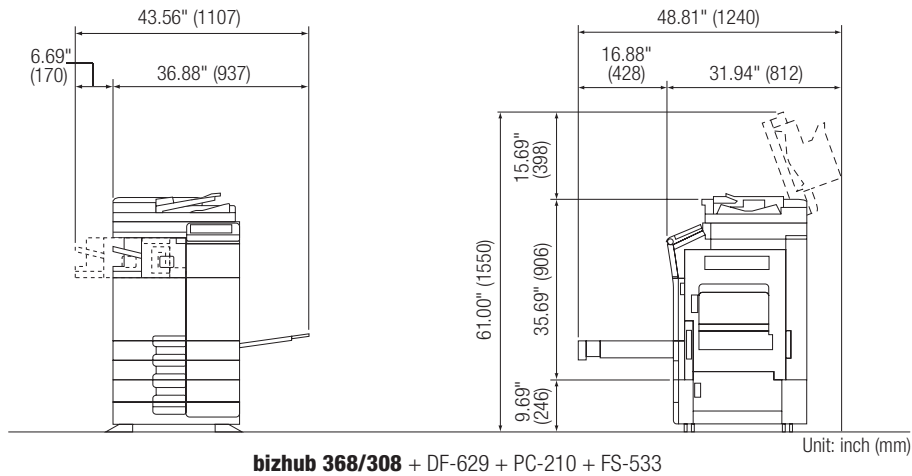
Line Options	Dedicated	NEMA Diagram for 5-15R 
Voltage	120 V AC	
Amperage	12 A	
Cycles	60 Hz	
NEMA Part No.	5-15R	
Cord Length	6.6 ft.	

Note: The main electrical outlet must be located within 6.6 feet from the right rear corner of the bizhub 368/308 main unit.

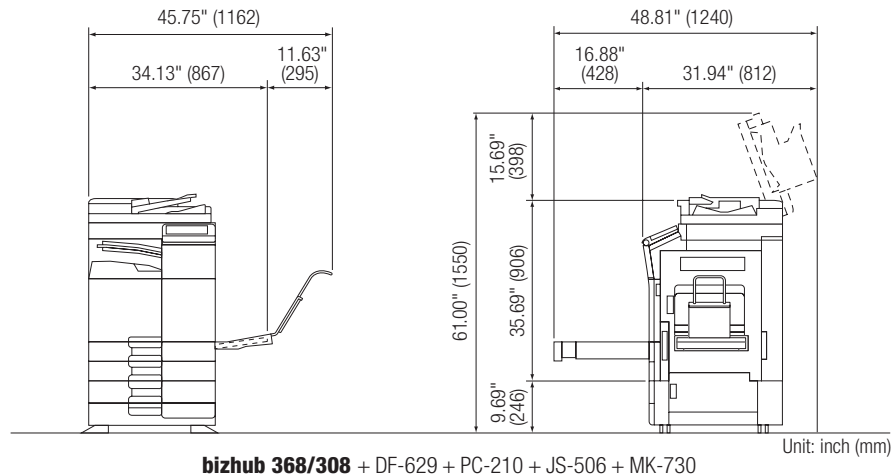
Space Requirements



bizhub 368/308 + DF-629 + PC-210 + FS-536SD + RU-513



bizhub 368/308 + DF-629 + PC-210 + FS-533



bizhub 368/308 + DF-629 + PC-210 + JS-506 + MK-730

NOTICE: Be sure to allow a clearance of 8 inches (200 mm) or more at the back of this machine for the ventilation duct.

Component Considerations

Standard Automatic Duplex Unit



Support Paper Type	Thin Paper (14 lb. to 15.5 lb.) Plain Paper (16 lb. to 24 lb.) Thick Paper 1 (24.25 lb. to 32 lb.) Thick Paper 1+ (32.25 to 41.75 lb.) Thick Paper 2 (42 lb. to 55.5 lb.) Thick Paper 3 (55.75 lb. to 68 lb.) Recycled Paper (16 lb. to 24 lb.) Special Paper (16 lb. to 24 lb.) Letterhead (16 lb. to 24 lb.) Color Paper (16 lb. to 24 lb.)
Support Paper Size	12.25" x 18" to 5.5" x 8.5"; 4" x 6"; SRA3; 8" x 13"*; postcards (4" x 6")
Power Requirements	Supplied from main unit



OC-511 Original Cover



Type	Original Cover/Platen Cover
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DF-704 Dual Scanner Document Feeder





Type	Single Pass Duplex Document Feeder
Support Paper Size	1-Sided/2-Sided Originals/Mixed Originals: 11" x 17"  to 5.5" x 8.5" 
Support Paper Weight	Single-Sided/Double-Sided: 9.25 lb. bond to 44 lb. bond Mixed Original: 13.5 lb. bond to 34 lb. bond 1-Sided Thin Paper (9.25 lb. to 13.063 lb.) 1-Sided Plain Paper (13.25 lb. to 44 lb.) 2-Sided Plain Paper (13.25 lb. to 44 lb.) Mixed Original Plain Paper (13.25 lb. to 34 lb.)
Paper Capacity	Max. 100 sheets (21.25 lb.)(Single-Sided/Double-Sided Originals)
Paper Transfer Speed	80 image/min (one-sided @ 300 dpi) (B&W/Color) 160 image/min (two-sided @ 300 dpi) (B&W/Color)
Power Requirements	Supplied from main unit.
Max. Power Consumption	74.5 W or less
Dimensions WxDxH	24.1" x 19.8" x 5.6"
Weight	Approximately 27 lb.

Component Considerations

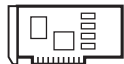
DF-629 Reversing Automatic Document Feeder



Type	Reversing Automatic Document Feeder
Support Paper Size	1-Sided/2-Sided Originals/Mixed Originals: 11" x 17"  to 5.5" x 8.5" 
Support Paper Weight	Single-Sided/Double-Sided: 9.25 lb. bond to 34 lb. bond Mixed Original: 13.5 lb. bond to 34 lb. bond 1-Sided Thin Paper (9.25 lb. to 13.063 lb.) 1-Sided Plain Paper (13.25 lb. to 34 lb.) 2-Sided Plain Paper (13.25 lb. to 34 lb.) Mixed Original Plain Paper (13.25 lb. to 34 lb.)
Paper Capacity	Max. 100 sheets (21.25 lb.)(Single-Sided/Double-Sided Originals)
Paper Transfer Speed	80 image/min (one-sided @ 300 dpi) (B&W/Color) 37 image/min (two-sided @ 300 dpi) (B&W/Color)
Power Requirements	Supplied from main unit.
Max. Power Consumption	60.0 W or less
Dimensions WxDxH	24.1" x 19.8" x 5.6"
Weight	Approximately 20 lb.

Component Considerations continued

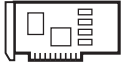
FK-514 Fax Kit



Memory Size	128 GB (Std) (128 GB of the 250GB HDD of the main engine is used for fax memory)
Number of Stored Pages	10,000 Pages (approx. 700 characters per page when 8.5" x 11" document is stored using fine resolution)
Number of Fax Lines	1 Fax Line (no mount kit required); Add second FK-514 Fax Kit for dual line fax capabilities.
Communication	ECM/Super G3
Compatible Lines	PSTN, PBX
Scanning Line Density	Ultra Fine: 600 x 600 dpi Super Fine: 16 dot/mm x 15.4 line/mm, 400 x 400 dpi Fine: 8 dot/mm x 7.7 line/mm, 200 x 200 dpi Normal: 8 dot/mm x 3.85 line/mm
Modem Speed	2.4 kbps-33.6 kbps
Compression	MH/MR/MMR/JBIG
Scanning/(Sending) Paper Size	Original Glass: Max. 11" x 17" ADF: 11" x 39" (Normal, Fine, Super Fine) 11" x 17" (Ultra Fine, Manual TX)
Recording Paper Size	11" x 17" to 5.5" x 8.5"
Transmission Speed	Less than 2 sec. (44 V.34, 33.6 Kbps, JBIG)
Scan Speed	2 sec. (Letter/Fine Mode)
Number of Abbr. Dial	2000
Number of Program Dial	400
Number of Group Dial	100 (Up to 500 destinations per group)
Sequential Multiple Station Transmission	Max. 600
Transmitting Functions	2-in-1 TX, Mixed Original, F-Code Transmission, Frame Erase Transmission, Sharpness, Header/Footer, Memory Transmission, Quick Memory Transmission, Timer Transmission, Incomplete Transmission Hold, Manual Transmission, Confidential Transmission, Password Transmission, Polling Transmission, Bulletin Function, Relay Transmission, Fax Forwarding Function, Overseas TX, V.34 OFF, ECM OFF
Receiving Functions	Duplex Print (RX), Manual Reception, Confidential Reception, Memory Reception, Polling Reception, Bulletin Function, Fax Forwarding (to any destination stored in the Address Book), TSI Routing (to any destination stored in the Address Book).

Component Considerations

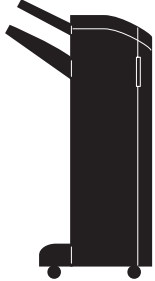
FK-515 Fax Kit



Memory Size	128 GB (Std) (128 GB of the 250GB HDD of the main engine is used for fax memory)
Number of Stored Pages	10,000 Pages (including all Scan/Box/Printer/Fax Documents)
Number of Fax Lines	Add 1st FK-515 for 3rd Fax Line (Optional); Add 2nd FK-515 for 4th Fax Line (Optional); Must add two FK-514 Fax Kits first for single and dual line capabilities before you can add lines 3 and 4. FK-515 requires MK-742 Mount Kit (only one MK-742 Mount Kit required).
Communication	ECM/Super G3
Compatible Lines	PSTN, PBX
Scanning Line Density	Ultra Fine: 600 x 600 dpi Super Fine: 16 dot/mm x 15.4 lines/mm, 400 x 400 dpi Fine: 8 dot/mm x 7.7 lines/mm, 200 x 200 dpi Normal: 8 dot mm x 3.85 lines, 100 x 100 dpi
Modem Speed	2.4kbps-33.6kbps
Compression	MH/MR/MMR/JBIG
Scanning (Sending) Paper Size	Original Glass: Max. 11" x 17" ADF: 11" x 39" (Standard, Fine, Super Fine) 11" x 17" (Standard, Fine, Super Fine)
Recording Paper Size	11" x 17"
Transmission Speed	Less than 3 sec (V.34, JBIG)
Scan Speed	1 sec. (Letter/Fine Mode)
Number of Abbr. Dial	2,000
Number of Program Dial	400
Number of Group Dial	100 (Up to 500 destinations per group)
Sequential Multiple Station Transmission	Max. 600 605 (500 Abbreviated Dials + 100 Manual Dials + 5 Manual Email Addresses)
Transmitting Functions	Mixed Original, F-Code Transmission, Frame Erase Transmission, Sharpness, Header/Footer, Memory Transmission, Quick Memory Transmission, Timer Transmission, Incomplete Transmission Hold, Manual Transmission, Confidential Transmission, Password Transmission, Polling Transmission, Bulletin Transmission, Fax Forwarding Function, Overseas TX, V.34 OFF, ECM OFF
Receiving Functions	Duplex Print (RX), Manual Reception, Confidential Reception, Memory Reception, Polling RX, TSI Routing (to any destination stored in the Address Book), Fax Forwarding

Component Considerations continued

FS-536 Floor Finisher* (50 sheets)

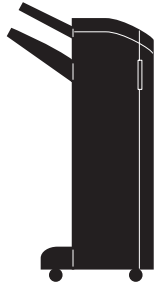


Type	Floor Finisher
Output Trays	Output Tray 1, Output Tray 2, Folding Output Tray (Top of RU unit)
Supported Paper Types	<p>Output Tray 1 & Output Tray 2: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper 1/1+/2/3 (24.25 lb. bond to 79.75 lb. bond), OHP Transparencies, Postcards*, Envelopes*, Label sheets*, Letterhead*, Tabs*, Banner Paper*. Staple Settings: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 23.94 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper 1 (24.25 lb. bond to 32 lb. bond), Thick Paper 1+ (32.25 lb. to 41.75 lb.), Thick Paper 2 (42 lb. to 55.5 lb.) * Fed into Output Tray 1</p>
Supported Paper Sizes	<p>Output Tray 1: 12.25" x 18", 11" x 17" to 5.5" x 8.5" □/□, SRA3, banner (up to 47.2" long) Output Tray 2: Group/Sort: 12.25" x 18", 11" x 17", 5.5" to 8.5" □/□ Offset Group/Offset Sort: 12.25" x 18", 11" x 17" to 5.7" to 7.2", SRA3 Width: 7.188" to 12.625"; Length 5.875" to 18" Staple: 11" x 17" to 7.25" x 10.5" □/□ Width: 7.188" to 11.688"; Length 5.875" to 17" Folding Output Tray: 12.25" x 18", 11" x 17" to 5.5" x 8.5" □/□ Width: 3.5" to 12.5"; Length 5.5" to 18"</p>
Mode	Non-Sort, Sort, Group, Sort/Offset, Group/Offset, Sort and Staple
Stacking Capacity	<p>Output Tray 1: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. to 24 lb.): 200 sheets. Thick Paper (24.25 to 79.75 lb.), OHP Transparencies, Postcards, Envelopes or Label sheets, Letterheads, Tabs: 20 sheets Output Tray 2 – Group/Sort Mode: Plain Paper (16 lb. to 24 lb.): 3,000 sheets of 8.5" x 11" or smaller, or 1,500 sheets of 8.5" x 14" or larger; or 500 sheets of 5.5" x 8.5" or smaller. Thick Paper (24.25 to 79.75 lb.), OHP Transparencies, Postcards, Envelopes, Labels, Letterheads, Tabs: 20 sheets 2nd Tray – Offset Group/Offset Sort: 3,000 sheets (8.5" x 11" or smaller); 1,500 sheets (8.5" x 14" or larger); 500 sheets (5.5" x 8.5" or larger) Thin Paper (14 lb. to 15 lb.) Plain Paper (16 lb. to 24 lb.) Recycled Paper (16 lb. to 24 lb.) Thick Paper (24.25 lb. to 79.75 lb.), OHP Transparencies, Postcard, Envelope, Label sheets, Letterhead, Tabs: 20 sheets Staple Thin Paper (14 lb. to 15 lb.): 50 sheets Plain Paper (16 lb. to 24 lb.): 50 sheets Recycled Paper (16 lb. to 24 lb.): 50 sheets Thick Paper (24.25 lb. to 32 lb.): 30 sheets Thick Paper 1+ (32.25 lb. to 41.75 lb.): 30 sheets Thick Paper 2 (42 lb. to 55.5 lb.): 20 sheets Maximum number of stapled sets of plain paper (letter size): 2–9 sheets: 200 Sets 10–20 sheets: 50 Sets 21–30 sheets: 30 Sets 31–40 sheets: 25 Sets 41–50 sheets: 20 Sets Folding Output Tray: 100 sheets Thin Paper (14 lb. to 15.5 lb.) Plain Paper (16 lb. to 24 lb.) Recycled Paper (16 lb. to 24 lb.) Thick Paper (24.25 lb. to 79.75 lb.): 20 sheets</p>

continued

Component Considerations

FS-536 Floor Finisher* continued



Staple Mode	Paper Sizes: 8.5" x 11" to 11" x 17"; Corner, 2 Position (Side, Top)
Available Options	PK-520 Punch Kit (2/3-hole Punch)
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 56 W
Dimensions (W x D x H)	20.8" x 25.2" x 40.3" (When tray is pulled out 25.9" (W))
Weight Approx.	79.4 lb.
Consumables	SK-602 Staples (5,000 Staples x 3)

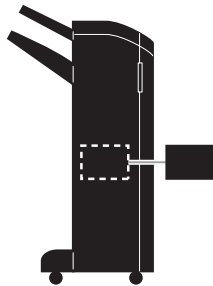
*NOTE: Installation of the FS-536 requires the relay unit that is appropriate for the engine.



PK-520 Punch Kit (For FS-536)



Applicable	FS-534/FS-536
Number of holes	2 or 3 holes
Supported Paper Weights	Thin Paper (14 lb. to 15 lb.), Plain Paper (15 lb. bond to 24 lb. bond), Recycled Paper (15 lb. to 24 lb.),
Supported Paper Sizes	2-hole Punch Setting: 11" x 17", 8.5" x 14", 8.5" x 11" 3-hole Punch Setting: 11" x 17", 8.5" x 11"
Power Requirements	Supplied from Finisher FS-534/FS-536
Dimensions (W x D x H)	2.375" x 19.375" x 5.563"
Weight Approx.	Approx. 3.9 lb.

FS-536SD* A combination of FS-536 (see specs listed above) and integrated saddle stitch unit.



Number of bins	1 additional tray
Paper types	Thin Paper (14 lb. to 15 lb.), Plain Paper (15 to 24 lb.), Thick Paper 1/1+2 (24.25 to 55.5 lb.)* <small>*Can only be used as a cover page.</small>
Paper sizes	12.25" x 18"  , 11" x 17", 8.5" x 14"  , 8.5" x 11",
Number of sheets that can be stacked into Output Tray 2	2,500 sheets (Plain Paper, 20 lb., 8.5" x 11")
Number of Center Stapled or Half-Folded sheets	Plain Paper (15 to 24 lb.) 1–3 sheets: 20 Sets 4–10 sheets: 10 Sets 11–20 sheets: 5 Sets
Number of Tri-Folded sheets (Letter Only)	1 sheet: 30 Sets 2–3 sheets: 10 Sets
Staple mode	Booklet, 2-point staple
Maximum staple sheet	20 sheets: (19 sheets/14 to 24 lb.)+(1 sheet/13 to 55.5 lb.)
Dimensions (W x D x H)	20.8" x 25.2" x 40.3"
Weight	132.3 lb.
Consumables	SK-602 (5,000 x 3 pkg/case)
Power requirements	Supplied from main unit

*NOTE: The Saddle Stitcher is not available as a separate accessory. Please refer to engine specifications for additional paper size and weight limitations. Installation of the FS-536 requires the relay unit that is appropriate for the engine.

Component Considerations continued

RU-513 Relay Unit
















Type	Installed into the Main Body
Powered Requirements	Supplied by Main Engine
Dimensions (W x D x H)	18.0" x 21.9" x 6.0"
Weight	Approx. 8.8 lb

NOTE: Required for FS-536/FS-536SD.

FS-533 Inner Finisher (Staple Function only) (50 sheets)



Type	Inner Staple Finisher
Output Trays	Output Tray 1
Support Paper Types	<p>Group/Sort: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper (24.25 lb. bond to 79.75 lb. bond), OHP Transparencies, Postcards, Envelopes, Label sheets, Letterhead, Tabs, Banner Paper.</p> <p>Offset Group, Offset Sort: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper (24.25 lb. bond to 79.75 lb. bond)</p> <p>Staple Settings: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 23.94 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper (24.25 lb. bond to 55.25 lb. bond)</p>
Mode	Group, Sort, Offset Group, Offset Sort, Staple
Support Paper Size	<p>Group/Sort: 12.25" x 18" , 11" x 17"  to 5.5" x 8.5" , 4" x 6" , SRA3 </p> <p>Width: 3.56" to 12.625"; Length: 5.5" to 47.25"</p> <p>Offset Group/Offset Sort: 12.25" x 18" , 11" x 17" , 8.5" x 11" , 7.25" x 10.5" </p> <p>Width: 8.25" to 11.69"; Length: 7.17" x 17"</p> <p>Staple: 11" x 17" , 8.5" x 14" , 8.5" x 11" , 7.25" x 10.5" </p> <p>Width: 8.25" to 11.69"; Length: 7.17" x 17"</p>
Stacking Capacity	<p>Group, Sort, Offset Group, Offset Sort: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.): 500 sheets of 8.5" x 11" or smaller; or 250 sheets of 8.5" x 14" or larger Thick Paper (24.25 lb. bond to 79.75 lb. bond), OHP Transparencies, Postcards, Envelopes, Label sheets, Letterhead, Tabs, Banner Paper: 10 sheets</p> <p>Staple: Thin Paper (14 lb. to 15 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.): 50 sheets of 8.5" x 11" or smaller; or 30 sheets of 8.5" x 14" or larger Thick Paper (24.25 lb. bond to 55.5 lb. bond): 2 sheets</p>
Staple Mode	Corner Front / Back 2-point
Available Options	PK-519 Punch Kit (2-3-hole Punch)
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 40W
Dimensions (W x D x H)	18.6" x 23" x 7.7"
Weight Approx.	26.5 lb.
Consumables	SK-602 Staples (5,000 Staples x 3)

Component Considerations

PK-519 Punch Kit (For FS-533)

Applicable	Finisher FS-533
Number of holes	2 or 3 holes
Support Paper Weight	Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. to 24 lb.), Thick paper (24.25 lb. bond to 79.75 lb. bond)
Support Paper Size	2-hole Punch Setting: 11" x 17", 8.5" x 14", 8.5" x 11" 3-hole Punch Setting: 11" x 17", 8.5" x 11"
Power Requirements	Supplied from Finisher FS-533
Dimensions (WxDXH)	4.33" x 19.03" x 8"
Weight Approx.	Approx. 7 lb.

JS-506 Job Separator Tray



Output tray	Output Tray 1, Output Tray 2
Mode	Group, Sort, Offset Group*, Offset Sort* * Fed into Output Tray2
Support Paper Types	Group/Sort: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper (24.25 lb. bond to 79.75 lb. bond), OHP Transparencies, Postcards*, Envelopes, Label sheets, Letterhead, Tabs*, Banner Paper*. Offset Group, Offset Sort: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Thick Paper (24.25 lb. bond to 79.75 lb. bond) * Fed into Output Tray 2
Support Paper Size	Output Tray 1: 12.25" x 18" □, 11" x 17" L to 5.5" x 8.5" □/□, SRA3 □ Width: 3.56" to 12.625"; Length: 5.5" to 18" Output Tray 2: Group/Sort: 12.25" x 18" □, 11" x 17" □ to 5.5" x 8.5" □/□, 4" x 6" □, SRA3 □ Width: 3.56" to 12.625"; Length: 5.5" to 47.25" Offset Group/Offset Sort: 11" x 17" □, to 7.25" x 10.5" □/□ Width: 7.17" to 12.25"; Length: 5.8" to 18"
Stacking Capacity	Output Tray 1: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.): 100 sheets Output Tray 2: Group/Sort: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.): 150 sheets; Thick Paper (24.25 lb. bond to 79.75 lb. bond), Transparency, Postcard, Label sheets: 20 sheets; Envelope: 10 sheets; Banner Paper: 1 sheet Offset Group/Offset Sort: Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.): 150 sheets; Thick Paper (24.25 lb. bond to 79.75 lb. bond): Not specified
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 24W
Dimensions (W x D x H)	19.4" x 18.5" x 8.9"
Weight Approx.	3.3 lb.

Component Considerations continued

PC-110 Paper Feed Cabinet



Type	1 x 500 sheet universal drawer + storage
Support Paper Types	Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Single Side Only Paper (16 lb. bond to 24 lb. bond), Special Paper (16 lb. bond to 24 lb. bond), Letterhead (16 lb. bond to 24 lb. bond), Colored Paper (16 lb. bond to 24 lb. bond), Thick Paper 1 (24.25 lb. bond to 32 lb. bond), Thick Paper 1+ (32.25 lb. bond to 41.75 lb. bond), Thick Paper 2 (42 lb. bond to 55.5 lb. bond), Thick Paper 3 (55.75 lb. bond to 68 lb. bond)
Support Paper Size	11" x 17" (L) to 8.5" x 11" (L/P), 5.5" x 8.5" (L), 8" x 13" (L)* * There are six Foolscap sizes: 220 x 330mm, 8.5" x 13.5", 8.5" x 13", 8.25" x 13, 8.12" x 13.25" and 8" x 13". Only one of these sizes can be selected. For details, please consult with your authorized Konica Minolta Service representative.
Paper Capacity	Tray 3: Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 15W
Dimensions (W x D x H)	24.2" x 25.7" x 11.6"
Weight Approx.	48.5 lb.

PC-210 Paper Feed Cabinet




Type	2 x 500 sheet universal drawers
Support Paper Types	Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Single Side Only Paper (16 lb. bond to 24 lb. bond), Special Paper (16 lb. bond to 24 lb. bond), Letterhead (16 lb. bond to 24 lb. bond), Colored Paper (16 lb. bond to 24 lb. bond), Thick Paper 1 (24.25 lb. bond to 32 lb. bond), Thick Paper 1+ (32.25 lb. bond to 41.75 lb. bond), Thick Paper 2 (42 lb. bond to 55.5 lb. bond), Thick Paper 3 (55.75 lb. bond to 68 lb. bond)
Support Paper Size	11" x 17" (L) to 8.5" x 11" (L/P), 5.5" x 8.5" (L), 8" x 13" (L)* * There are six Foolscap sizes: 220 x 330mm (☐), 8.5" x 13.5" (☐), 8.5" x 13" (☐), 8.25" x 13 (☐), 8.12" x 13.25" (☐) and 8" x 13" (☐). Any one of these sizes can be selected. For details, please consult with your authorized Konica Minolta Service representative.
Paper Capacity	Tray 3: Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets Tray 4: Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 15W
Dimensions (W x D x H)	24.2" x 25.7" x 11.6"
Weight Approx.	53 lb.

Component Considerations

PC-410 Paper Feed Cabinet



Type	Large Capacity Cassette
Support Paper Types	Thin Paper (14 lb. to 15.5 lb.), Plain Paper (16 lb. bond to 24 lb. bond), Recycled Paper (16 lb. to 24 lb.), Single Side Only Paper (16 lb. bond to 24 lb. bond), Special Paper (16 lb. bond to 24 lb. bond), Letterhead (16 lb. bond to 24 lb. bond), Colored Paper (16 lb. bond to 24 lb. bond), Thick Paper 1 (24.25 lb. bond to 32 lb. bond), Thick Paper 1+ (32.25 lb. bond to 41.75 lb. bond), Thick Paper 2 (42 lb. bond to 55.5 lb. bond), Thick Paper 3 (55.75 lb. bond to 68 lb. bond)
Support Paper Size	8.5" x 11" 
Paper Capacity	Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 2500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 1000 sheets
Power Requirements	Supplied from Main Unit
Max. Power Consumption	Less than 45W
Dimensions (W x D x H)	24.2" x 25.7" x 11.6"
Weight Approx.	50.7 lb.

DK-510 Copy Desk



Type	Storage drawer only
Function	Stores printing materials such as paper or toner. Required when additional paper drawers are not installed, to bring the device to operational height
Dimensions (WxDxH)	24.2" x 25.7" x 11.6"
Weight Approx.	46.3 lb.

LU-302 Large Capacity Unit*



Type	Large Capacity Cassette
Support Paper Type	Thin Paper (14 lb. to 15.688 lb.) Plain Paper (16 lb. bond to 24 lb. bond) Thick Paper 1 (24.25 lb. bond to 32 lb. bond) Thick Paper 1+ (32.25 lb. bond to 41.75 lb. bond) Thick Paper 2 (42 lb. bond to 55.5 lb. bond) Thick Paper 3 (55.75 lb. bond to 68 lb. bond)
Support Paper Size	8.5" x 11", A4
Paper Capacity	Plain Paper: 3,000 sheets Thick Paper 1: 2,500 sheets (24.25 lb. bond to 32 lb. bond) Thick Paper 1+: 1,750 sheets (32.25 lb. bond to 41.75 lb. bond) Thick Paper 2: 1,550 sheets (42 lb. bond to 55.5 lb. bond) Thick Paper 3: 1,300 sheets (55.75 lb. bond to 68 lb. bond)
Power Requirements	Supplied from main unit
Max. Power Consumption	22 W or less
Dimensions WxDxH	14.4" x 20.8" x 15.9"
Weight Approx.	Approx. 40.0 lb.

*Cannot be installed with the DK-510 Copy Desk.

Component Considerations continued

KP-101 10-Key Pad



Type	10-Key Pad
Function	Provides hard keys for entering numerical values and supports Voice Guidance function available with optional LK-104 v3 i-Option License Kit. Meets Section 508 Accessibility requirements.

AU-102 Biometric Authentication Unit



Biometric Sensor System	Transmission-type optical system
Verification Time	Approx. 1 sec. or less
Interface	USB 2.0
Dimensions WxDxH	Approx. 2.32" x 3.25" x 2.94"
Weight	Approx. 3 oz. (excluding USB cable)
Max. Power Consumption	DC 5 V, 500 mA
System Conditions (during operation)	Ambient temperature: 41° to 95° (F) Humidity: 20% to 80% (No dew condensation)
System Conditions (during non-operation)	Ambient temperature: 32° to 122° (F) Humidity: 20% to 80% (No dew condensation)
MFP Compatibility	bizhub C754, C654, C652DS, C652, C658, C554, C552DS, C552, C458, C454, C452, C364e, C364, C360, C284e, C284, C280, C224e, C224, C220, 754, 654, 552, 423, 363, 283, 223. Please check MyKonicaMinolta.com on a regular basis for compatibility updates.

NOTE: WT-506 Working Table is required for AU-102 Biometric Authentication Unit.

AU-204H Magnetic Stripe Card Reader



Dimensions (WxHxD)	1.28" x 1.23" x 3.94"
Weight	4.5 oz.
Power Supply	Supplied from USB Port
System Conditions (operating mode)	Ambient Temperature: 40° to 158° F Humidity: 10% to 90%
Transmit Frequency	3-60 i.p.s.
Certifications	ISO 7810 and ISO 7811/AAMVA
Card Type Compatibility	All magnetic stripe cards
MFP Compatibility	bizhub C754e, C654e, C554e, C454e, C368, C308, C224e. Please check MyKonicaMinolta.com on a regular basis for compatibility updates.

NOTE: WT-506 Working Table required for AU-204H Magnetic Stripe Card Reader.

Component Considerations

AU-205H IC Card Reader



Dimensions (WxHxD)	2.8" x 3.7" x 0.6"
Host Interface	USB 2.0 (also compliant with USB 1.1)
Power Supply	Supplied from USB Port
Card Protocols Low Frequency (125 kHz)	HID PROX, HID India, EM Prox
Card Protocols High Frequency (13.5 MHz)	CCID: MIFARE Classic™ 1K/4K, Ultra Light, Ultra Light C, Plus, MIFARE DESFire™ 0.6, MIFARE DESFire™ EV1, IC Card, iCLASS SE/SR®, MIFARE SE™, DESFire EV1 SE, T=CL, ISO 14443 A with up to 848 kbps transmission rate (depending on card1), ISO 15693 with up to 26 kbps transmission rate (depending on card) Keyboard Wedge: MIFARE™ Classic 1K/4K, Ultra Light, Ultra Light C, Plus (Security Lvl 1), MIFARE DESFire™ 0.6, MIFARE DESFire™ EV1 (MAC/DES/3DES/3K3DES/AES), IC Card, iCLASS SE/SR®, MIFARE SE™, DESFire EV1 SE

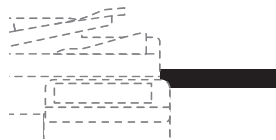
AU-211P CAC/PIV Solution w/Certificate



Dimensions (WxHxD)	2.75" x 2.75" x 0.39"
Weight	0.13 lbs.
Power Supply	Supplied from USB Port
System Conditions (operating mode)	0° to 122° F
Interface	Full Speed USB (12 Mbps)
Connector Shape	USB A Type Connector
Compatible Card	PKI-C-Card (PIV, CAC)
MFP Compatibility	bizhub C754, C654, C658, C554, C552, C458, C454, C452, C364e, C364, C360, C284e, C284, C280, C224e, C224, C220, 754, 654, 552, 501, 423, 363, 283, 223. Please check MyKonicaMinolta.com on a regular basis for compatibility updates.

NOTE: WT-506 Working Table required. Please contact your local Government Account Manager for additional information.

WT-506 Working Table



Type	External Table
Function	Holds AU-102 Biometric Authentication Unit, AU-201H HID Proximity Card Reader, AU-202H HID iClass Reader, AU-204H Magnetic Stripe Card Reader ¹ or AU-211P CAC/PIV Solution ² ; Can be used as a place holder for originals and/or output.
Dimensions WxDxH	18.30" x 16.33" x 1.5"

¹ AU-204H Magnetic Stripe Card Reader requires WT-506.

² AU-211P requires WT-506. Please contact your local Government Account Manager for additional information.

Component Considerations continued

EK-608 USB Host/Local Interface



Type	USB Interface and USB Cable
Function	Required to connect optional External Keyboard (or can use EK-609 when Bluetooth printing is also required) or optional i-Option LK-104 v3 Voice Guidance License kit.

EK-609 USB Host/Local Interface with Bluetooth



Type	USB Interface and USB Cable
Function	Supports Bluetooth Printing. Required to connect optional External Keyboard (or can use EK-608 if Bluetooth printing is not required) or optional i-Option LK-104 v3 Voice Guidance License kit.

MK-742 Mount Kit



Type	Internal Component
Function	Required if you wish to install the FK-515 Fax Kit(s) for Fax Line 3 and Fax Line 4 support. Only one MK-742 Mount Kit required.

MK-735 Mount Kit



Type	Internal Component
Function	Required if you wish to install the AU-205H internally in the device.

MK-730 Banner Paper Guide



Type	External Component
Function	Enables automatic feeding of banner paper. Up to 10 banner sheets supported.

LK-102 v3 i-Option License Kit

Type	License Key
Function	Enhanced PDF Encryption (128-bit AES Encryption), PDF/A (1a/1b) and Linearized PDF file support.

Note: The LK-110 supports the same functions as the LK-102 v3, therefore, both license kits cannot be installed on the same device.

LK-104 v3 i-Option License Kit

Type	License Key
Function	Voice Guidance

LK-105 v4 i-Option License Kit

Type	License key
Function	Provides Searchable PDF function

Note: The LK-110 supports the same functions as the LK-105 v4, therefore, both license kits cannot be installed on the same device.

Component Considerations

LK-106 i-Option License Kit

Type	License key
Function	Supports Bar Code Font Printing

LK-107 i-Option License Kit

Type	License key
Function	Supports Unicode Font Printing

LK-108 i-Option License Kit

Type	License key
Function	Supports OCR Font Printing

LK-110 v2 i-Option License Kit

Type	License Key
Function	OOXML format file conversion for docx/xlsx, Fax to searchable PDF, convert box data to compact PDF, direct print e-mail attached file. Combines LK-102 (Encrypted PDF) & LK-105 (Searchable PDF/OCR) functionality.

Note: If you install the LK-110 on a device, you cannot install the LK-102 v3 and/or LK-105 v4 on the same device.

LK-111 i-Option License Kit

Type	License Key
Function	Provides ThinPrint client support.

SC-508 Copy Guard Kit

Type	Embedded Type
Function	Prevents printing of Copy Protected documents.

NOTE: Two SC-508 Copy Guard Kits are required for 368/308 if the DF-704 Dual Scan Document Feeder is installed (one Copy Guard Kit required for each side scanned).

HD-524 Hard Disk Mirroring

Type	Internal Back Up HDD
Function	Provides real-time synchronized back up of the primary hard disk drive.

UK-211 Memory Expansion

Type	2 GB machine memory expansion.
Function	Required for Registered Overlay. Also required for concurrent use of Web Browser and Stamp Print, Watermark, Date/Time Print, Header/Footer, Image Overlay, or Management Number.

UK-212 Wireless LAN Upgrade Adapter



Type	WLAN Adapter
Function	Provides wireless secure connection for printing, scanning and Authentication.

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Mixed Original Support

● Possible ✕ Not Possible

Document Size ²	Maximum Document Width ¹					
	11" x 17" landscape	8.5" x 11" portrait	8.5" x 14" landscape	8.5" x 11" landscape	5.5" x 8.5" portrait	5.5" x 8.5" landscape
11" x 17" (☐)	●	●	✕	✕	✕	✕
8.5" x 11" (☐)	●	●	✕	✕	✕	✕
8.5" x 14" (☐)	●	●	●	●	●	✕
8.5" x 11" (☐)	●	●	●	●	●	✕
5.5" x 8.5" (☐)	✕	✕	●	●	●	✕
5.5" x 8.5" (☐)	✕	✕	✕	✕	✕	●

¹ Indicates the width of the widest document size of the mixed originals.

² Indicates the document sizes that can be mixed together based on the maximum document width.

Standard Paper Tray Support

Main Unit - bizhub 368/308 (Paper Tray 1 and 2)			
Component	Capacity	Size	Weight
Tray 1	500 sheets	11" x 17"	14 lb. bond to 68 lb. bond
Tray 2	500 sheets	12" x 18"	14 lb. bond to 68 lb. bond
Bypass	150 sheets	12" x 18"	16 lb. bond to 79.75 lb. bond

Print Controller (Standard)

Type	Internal Type
CPU	1.2 GHz (shared with copier)
Memory	4 GB* (shared with copier) 250 GB HDD (shared with copier)
Print Speed	368: 36 ppm 308: 30 ppm
Print Resolution	600 x 600 dpi (1800 equivalent x 600 dpi), 1200 x 1200 dpi
PDL	PCL 5e/c emulation, PCL6 (XL version 3.0), PS 3 (Version 3016) Emulation, XPS
Protocol	TCP/IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCPv6, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB over TCIP/IP, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DPWS, S/MIME, IPsec, DNS, Dynamic DNS, LLMNR, LLTD, SSDP, SOAP
Support OS	Windows Vista 7/8/8.1, Windows Vista 7/8/8.1 64-bit, Windows Server 2003 R2/Server 2008/ Server 2012/Server 2012 R2 64-bit; Mac OS 9.2/OS X 10.6, 10.7, 10.8, 10.9, 10.10, Intel Edition; Red Hat Enterprise Linux
Font	PCL Resident Fonts: 80 Roman fonts PS3 Emulation Resident Fonts: 137 Roman Type 1 font
Interface	Standard Ethernet (10Base-T/100Base-TX/ 1000Base T); Hi-Speed USB 2.0, USB 1.1, USB Host

*When UK-211 is installed.

Network Functions

Sending Scanned Data in an Email Message

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 Scanned Data as Files (FTP)

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 Scanned Data to a Computer on the Network (SMB)

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 Scanned Data in Boxes

Scanned data is uploaded to a specified web server. The host name, file path, user name, and password are entered on the touch panel of the machine. The data files uploaded to the server can be downloaded from a computer on the network.

Using the Machine as a Scanner

This machine can best be used as a scanner. The scanner can be controlled from a PC connected to the network, and the scanned image can be loaded into an application on the PC to be processed.

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Print Drivers

Page Desc. Language	Print Driver	Supported Operating Systems
PCL Driver	Konica Minolta PCL Driver	Windows Vista Windows Server 2008 Windows Server 2008 R2 Windows 8* Windows 8.1* Windows Server 2012* Windows Server 2012 R2* *Supports 32-bit (x86) or 64-bit (x64) Environments
PostScript 3 Emulation	Konica Minolta PostScript 3 Driver	Windows 8* Windows 8.1* Windows Server 2012 Windows Server 2012 R2 Macintosh OS 9.2 PPD file Macintosh OS 10.6, 10.7, 10.8, 10.9, 10.10, PPD + PDE driver Red Hat Enterprise Linux PPD file for printer driver (CUPS v. 1.1.2.2) *Supports 32-bit (x86) or 64-bit (x64) Environments
XPS Driver Emulation	Konica Minolta XPS Driver	Windows Vista Windows Server 2008 Windows Server 2008 R2 Windows 7 Windows 8* Windows 8.1* Windows Server 2012 Windows Server 2012 R2 *Supports 32-bit (x86) or 64-bit (x64) Environments
PostScript PPD Driver	Konica Minolta PostScript PPD Driver	Windows Vista Windows Server 2008 Windows Server 2008 R2 Mac OS X 10.5, 10.6, 10.7, 10.8, 10.9, 10.10
Fax Driver	Konica Minolta	Windows Vista Windows Server 2008 Windows Server 2008 R2 Windows 8* Windows 8.1* Windows Server 2012* Windows Server 2012 R2* *Supports 32-bit (x86) or 64-bit (x64) Environments

Print Specifications

Item	Specifications
Model	Built-in print system
Power Supply	Common with the main body
CPU	1.2 GHz (shared with copier)
RAM	4 GB (when UK-211 is installed)
Hard Disk	250 GB (shared with copier)
Interface	Standard Ethernet (10Base-T, 100Base-TX or 1000Base-T) Standard USB 2.0, USB 1.1, USB Host
Frame Type	Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP
Supported Protocols	TCP/IP (IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCPv6, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB over TCP/IP, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DP-WS, S/MIME, IPsec, DNS, Dynamic DNS, LLMNR, LLTD, SSDP, SOAP
Print Speed	368: 36 ppm (Letter \square /Simplex and Duplex) 308: 30 ppm (Letter \square /Simplex and Duplex)
First Print Time	368: 5.0 sec. or less 308: 5.4 sec. or less
Operating Environment Conditions	50° to 86° F, 15-85% RH
Resolution	600 x 600 dpi (1800 equivalent x 600 dpi), 1200 x 1200 dpi
Data Processing	600 x 600 dpi (Printing and faxing operations) 400 x 400 dpi (faxing operations) 200 x 200 dpi (faxing operations)
Supported Paper Sizes	Width: 4" to 12.25" Length: 6" to 18"
Printer Fonts	PCL Resident Fonts 80 Roman fonts PS3 Emulation resident Fonts: 137 Roman Type 1 fonts
Compatible Computers	IBM PC or compatible and Macintosh (Power PC or Intel Processor)
Supported Operating Systems	Server: Windows Server 2003, Server 2003 R2, Server 2008, Windows Server 2003 x64, Server 2003 R2 x64, Server 2008 x64, Server 2008 R2 x64, Server 2012 x64 Client: Windows Vista/7/8/8.1, Windows Vista/7/8/8.1 x64, Windows Server, Server 2008, Server 2008 x64; Mac OS 9.2, OS X 10.6, 10.7, 10.8, 10.9, 10.10, Intel ver. Red Hat Enterprise Linux

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Scanning

Type	Full-Color Scanner
Scanning Size	11" x 17" to 5.5" x 8.5
Scanning Resolution	Push Scanning: 600/400/300/200 dpi Pull Scanning: 600/400/300/200/100 dpi
Scanning Speed (Color/B&W)	DF-704: [†] Duplex: 160 opm (300 dpi) 110 opm (600 dpi) Simplex: 80 opm (300 dpi) 55 opm (600 dpi) DF-629: [†] Duplex: 37 opm (300 dpi) 26 opm (600 dpi) Simplex: 80 opm (300 dpi) 55 opm (600 dpi)
Main Function	Scan-to-Email, Scan-to-User Box (HDD), Scan-to-FTP, Scan-to-USB, Scan-to-SMB (Desktop Folder), Scan-to-Me, Scan-to-Home, Scan-to-Scan Server, Network Twain (via Ethernet TCP/IP), Scan-to-WebDAV, WS-Scan
Interface	10Base-T/100Base-TX/1000Base-T
Protocol	TCP/IP (FTP, SMB, SMTP)
Supported OS	Windows Vista, Windows 7, Windows 8, Windows 8.1
Output Format	Single TIFF, Multi TIFF, JPEG, PDF, Compact PDF, XPS, Compact XPS TIFF (MH, MMR), PDF (MH, MMR, JPEG), JPEG, Outline PDF, PPTX, Searchable PDF, PDF/A, Linearized PDF
Driver	TWAIN (Vista/Vista 64-bit/7/7 64-bit/8/8 64-bit), TWAIN Driver, HDD TWAIN Driver
Address Setting	LDAP, Import/Export address from PageScope Web Connection
Authentication	SMTP Authentication, Network User Authentication (Active Directory, Novell, NDS, NTLM ver. 1, NTLM ver. 2, LDAP)

[†]Text and image scanning speeds vary depending on the type of document.

PageScope Software

Network & Device Management

PageScope Data Administrator
Driver Packaging Utility
HDD BackUp Utility
Log Management Utility
PageScope Download Manager
PageScope NC+ Care Device Manager (Standard)

User Tools

PageScope Direct Print
PageScope Box Operator
PageScope Print Status Notifier
Copy Protection Utility
Print Utility for Unix
PageScope Web Connection

Management Tools

bizhub vCare

Security

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) Effective data encryption
- 4) Protect data from being altered, duplicated or deleted
- 5) Prevent unauthorized access to data via the Internet
- 6) Protect against cyber attacks
- 7) Manage log history

Protective Functions:

- HDD Sanitizing — Deletes Graphic Data (when disposing of machine)
- Job Erase — Deletes Graphic Data (after each job)
- Lock Job (when printing confidential documents)
- Protect data by requiring department name and 8-digit password
- Account Track
- HDD Lock
- Prevent Unauthorized Use
- Operation Log with 2,000-event memory
- HDD Encryption
- PDF Scan Encryption
- Protective Functions
- Copy Protection
- Network Authentication
- Single Sign-on Authentication
- SMTP Authentication for Email
- SSL/TSL Compatibility for PS Web Connection, PS Data Administrator and LDAP Server
- Scan Data Encryption (TCP/socket SSL Compatibility)
- LDAP Authentication
- Box Operator Data Encryption
- Verification of Box Data Receipt
- IP Address Filtering
- IP v6
- Encrypted Network Password Printing
- Scan-to-USB Memory with User Authentication
- Print-from-USB Memory with User Authentication
- S/MIME/Encryption
- FIPS 140-2 Compliance
- IEEE 2600.1 Security Ready

Optional Protective Functions:

- HD-524 Hard Disk Mirroring
- SC-508 Copy Guard Kit
- LK-102 v3 Enhanced PDF Scan Encryption
- AU-102 Biometric Authentication Unit
- AU-204H Magnetic Stripe Card Reader
- AU-205H IC Card Reader
- AU-211P CAC/PIV Solution with Certificate

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	102	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	150	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

Thin Paper

Thin Paper is paper weighing between 14 lb. to 15.5 lb. bond. It can be fed via any paper tray, except the bypass tray.

Normal (Plain Paper)

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 is loaded for copying.

Recycled Paper

Recycled Paper is identified as recycled paper along with a designation as to the percentage of the paper that is actually made from recycled materials. Generally speaking, these devices will support recycled paper weighing between 16 lb. to 24 lb. bond.

Thick Paper 1

Thick Paper 1 is paper weighing between 24.25 to 32 lb. bond. It can be fed via any paper tray.

Thick Paper 1+

Thick Paper 1+ is paper weighing between 32.25 to 41.75 lb. bond. It can be fed via any paper tray.

Thick Paper 2

Thick Paper 2 is paper weighing between 42 to 55.5 lb. bond. It can be fed via any paper tray.

Thick Paper 3

Thick Paper 3 is paper weighing between 55.75 to 68 lb. bond. It can be fed via any paper tray.

Thick Paper 4

Thick Paper 4 is paper weighing between 68.25 to 79.75 lb. bond. It can be fed via the bypass tray.

Special Paper

A thin or other specialty type paper that falls within the paper weight specification and appears on the Recommended Paper Stock List.

OHP

Specify [OHP] to a tray to which transparent films are loaded. It can be fed only via the bypass tray (20 sheets or less). Black and white printing supported only.

Envelopes

Specify [Envelope] for bypass tray.

Postcards

A Postcard is defined as a rectangular piece of the thick paper or thin cardboard. This product series supports 4" x 6" size postcards. Postcards are fed only via the Bypass Tray.

Tab Dividers

A stiff sheet with divider tabs. Tab Divider sheets can only be fed (long edge only) via the Bypass Tray.

Banner Paper

An 11.75" x 47.25" paper that is fed via the Bypass Tray to create banners.

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Specification & Installation Guide



Recommended Paper Stocks

Plain Paper – B/W

Class.	Weight	Brand of Paper	Size
Plain Paper	20 lb. Bond (75 gr)	Hammermill Tidal MP	8.5" x 11"

Single-Sided Glossy

Thick 3	10pt Cover (219 gr)	SMART Kromekote Laser High Gloss Coated One Side 10 pt Cover	8.5" x 11"
Thick 3	12pt Cover (247 gr)	SMART Kromekote Laser High Gloss Coated One Side 12 pt Cover	8.5" x 11"

Double-Sided Glossy

Thick 1	80 lb. Text (118 gr)	Sappi Opus Gloss	8.5" x 11"
Thick 1	90 lb. Text (133 gr)	SMART Kromekote Laser High Gloss Coated Two Sides*	8.5" x 11"
Thick 3	80 lb. Cover (216 gr)	Sappi Opus Gloss Cover	8.5" x 11"
Thick 3	80 lb. Cover (216 gr)	Domtar Microprint Coated Laser Gloss Cover	8.5" x 11"
Thick 3	10 pt Cover (234 gr)	SMART Kromekote Laser High Gloss Coated Two Sides 10 pt Cover	8.5" x 11"
Thick 3	90 lb. Cover (237 gr)	SMART Kromekote® Plus C2S Cover	8.5" x 11"

Cover Stock

Thick 3	80 lb. Cover (216 gr)	Domtar Microprint Coated Laser Matte Cover	8.5" x 11"
Thick 3	80 lb. Cover (216 gr)	SMART Carnival White Cover	8.5" x 11"
Thick 3	140 lb. Index (255 gr)	Wausau Exact Index	8.5" x 11"

Labels

Avery Dennison 5889 Postcard	8.5" x 11"
Avery Dennison 6870 (30 labels per sheet)	8.5" x 11"
Avery Dennison 6873 (8 labels per sheet)	8.5" x 11"
Avery Dennison 6876 (2 labels per sheet)	8.5" x 11"

Envelopes

Envelopes 24 lb.	Preservation Wove 5789 #6 3/4	3.85" x 6.5" (98x165 mm)
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Tab Dividers

Avery Dennison 20406 (long edge only)	8.5" x 11"
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Specialty Paper

Class.	Weight	Brand of Paper	Size
Thick 2	—	TECHNI-Print 9721PO* T-shirt Transfer Paper**	8.5" x 11"

Transparency

OHP Sheets	—	3M-PP2500	8.5" x 11"
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Banner Paper

Banner Mode/ Thick 1	100 lb. Text (180 gr)	Konica Minolta Banner Paper	11.75" x 47.25"
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* Paper cannot be used in a high humidity environment.

**T-Shirt Transfer Paper: The 368/308 Series should not be used solely for T-shirt transfer applications. T-Shirt transfer paper should be used on a limited basis, not to exceed a 250-sheet per run maximum. If a misfeed should occur, clear it immediately (due to the odor) and then run 15-25 sheets of regular plain paper (20 lb.) through the device to clean the fusing rollers. T-Shirt Transfer paper cannot be used in high humidity environments.

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Specification & Installation Guide



KONICA MINOLTA

How to Build a System for the bizhub 368/308 Digital Printer/Copier/Scanner/Fax (from start to finish)

- External Keyboard (Requires KH-102)
- KH-102 Keyboard Holder
- HD-524 Hard Disk Mirroring (250 GB)
- KP-101 10-Key Pad (Hard-key 10 Key-pad)
- LK-102 v3 i-Option License Kit (Enhanced PDF Encryption, PDF/A (1a/1b) and Linearized PDF support)
- LK-104 v3 i-Option License Kit (Voice Guidance)
- LK-105 v4 i-Option License Kit (Searchable PDF)
- LK-106 i-Option License Kit (Bar Code Font Printing)
- LK-107 i-Option License Kit (Unicode Font Printing)
- LK-108 i-Option License Kit (OCR Font Printing)
- LK-110 v2 i-Option License Kit (OOXML file conversion, Enhanced Image Data, Combines LK-102 & LK-105 functionality)
- LK-111 i-Option License Kit (ThinPrint Client Support)
- MK-730 Banner Paper Guide
- MK-735 Mount Kit (for AU-205H)
- SC-508 Copy Guard Kit (CopyGuard/Password Copy Protection; 2 Kits required for DF-704)
- UK-211 Memory Expansion (Required)
- UK-212 WLAN Adapter
- WT-506 Working Table

- FS-536SD Staple Finisher (50 Sheets) + Saddle Stitcher Kit
 - RU-513 Relay Unit (Required to install FS-536/SD)
 - FS-533 Inner Finisher (50-sheet stapling)
 - PK-519 Punch Kit (for FS-533)
- Analog Fax Options**
- FK-514 Fax Kit (Lines 1 & 2)
 - FK-515 Fax Kit (Lines 3 & 4) (Requires one MK-742 Mount Kit)
 - MK-742 Mount Kit (Required to add FK-515 Fax Kit(s) for Lines 3 & 4)
 - SP-501 Stamp Unit (Installed in optional Document Feeder)
 - Spare TX Marker Stamp 2

Additional Options

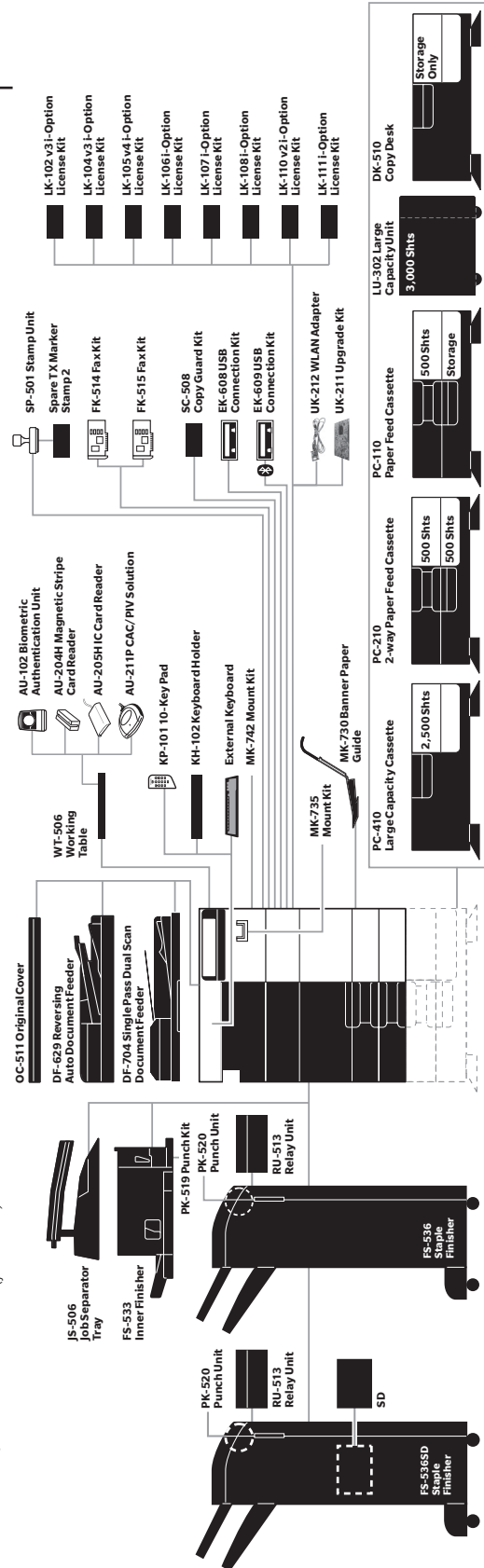
- AU-102 Biometric Authentication Unit (Requires WT-506 Working Table)
- AU-204H Magnetic Stripe Card Reader (Requires WT-506 Working Table)
- AU-205H IC Card Reader (Requires WT-506 or MK-735)
- AU-211P CAC/PIV Solution (Requires WT-506 Working Table)
- EK-608 USB Connection Kit (Adds USB 2.0 for External Keyboard and/or Voice Guidance)
- EK-609 USB Connection Kit (Adds USB 2.0 for External Keyboard, Bluetooth® Printing and/or Voice Guidance)

- Step 1: Base Unit**
- 368/308 Digital Printer/Copier/Scanner (Includes PS, PCL & XPS Controller, Standard Web Browser, 2 GB Standard Memory plus UK-211 2 GB Memory Expansion, Duplex Unit, 250 GB HDD, USB Interfaces for Scan-to-USB Thumb Drive/Print from-USB Thumb Drive, USB Local Printing, Optional Authentication Device Connection, Service USB Firmware Updates, Developer Unit, and Drum Unit)

- Step 2: Document Handling Options (Required)**
- Select one of the following:
- OC-511 Original Cover
 - DF-629 Reversing Automatic Document Feeder
 - DF-704 Single Pass Dual Scan Document Feeder

- Step 3: Paper Supply/Cabinet Options (Required)**
- Select one of the following:
- PC-410 Large Capacity Cassette (2,500 sheets - Letter/crosswise only)
 - PC-210 2-way Paper Feed Cassette (Two 500-sheet Universal Cassettes)
 - PC-110 Paper Feed Cassette (One 500-sheet Universal Cassette; Includes 1 storage drawer)
 - DK-510 Copy Desk (Storage Drawer Only)
 - LU-302 Large Capacity Unit (3,000 Sheets A4/Letter)

- Step 4: Output Options**
- JS-506 Job Separator Tray
 - FS-536 Floor Finisher (50-sheet stapling)
 - RU-513 Relay Unit (Required to install FS-536/SD)
 - PK-520 Punch Kit (for FS-536)



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Specification & Installation Guide



Accessory Options for bizhub 368/308 Digital Printer/Copier/Scanner/Fax

ACCESSORIES	ITEM NO.	DESCRIPTION	NOTES
BASE UNIT			
368*	A9HJ011X011	368 Printer/Copier/Scanner	Includes PS, PCL & XPS Controller, Standard Web Browser, 2 GB Standard Memory plus UK-211 2 GB Memory Expansion, Duplex Unit, 250 GB HDD, USB Interfaces for Scan-to-USB Thumb Drive/Print-from-USB Thumb Drive, USB Local Printing, Optional Authentication Device Connection, Service USB Firmware Updates, Developer Unit, and Drum Unit.
308*	A7PY011X001	308 Printer/Copier/Scanner	Includes PS, PCL & XPS Controller, Standard Web Browser, 2 GB Standard Memory plus UK-211 2 GB Memory Expansion, Duplex Unit, 250 GB HDD, USB Interfaces for Scan-to-USB Thumb Drive/Print-from-USB Thumb Drive, USB Local Printing, Optional Authentication Device Connection, Service USB Firmware Updates, Developer Unit, and Drum Unit.
DOCUMENT HANDLING OPTION			
OC-511	A3PMWY1	Original Cover	Required if DF-629 or DF-704 is not installed.
DF-629	A87RWY1	Reversing Automatic Document Feeder	100-Sheet Reversing Automatic Document Feeder.
DF-704	A85GWY2	Single Pass Dual Scan Document Feeder	100-Sheet Single Pass Dual Scan Document Feeder.
PAPER SUPPLY/CABINET OPTIONS			
PC-410	A2XM019	Large Capacity Cassette	2,500 sheets; Letter-Size (Portrait) Paper only.
PC-210	A2XMWY8	2-way Paper Feed Cabinet	Two 500-sheet Universal Paper Cassettes.
PC-110	A2XMWY7	Paper Feed Cabinet	One 500-sheet Universal Paper Cassette and Storage Drawer.
LU-302	A87VW11	Large Capacity Unit (3,000 sheets)	Large Capacity Cassette housing 8.5" x 11" <input type="checkbox"/> paper.
DK-510	7640018680	Copy Desk	Storage Drawer only.
OUTPUT OPTIONS			
JS-506	A2YVWY2	Job Separator Tray	Separates print, copy and fax jobs; can be installed if finisher is not attached; supports banner printing.
FS-536	A87GWY1	Floor Finisher	50-sheet floor finisher required to support PK-520 Punch Kit. Supports banner printing. RU-513 required.
FS-536SD	A87GWYA	Floor Finisher (50 Sheets) + Saddle Stitcher	50-sheet floor finisher equipped with Saddle Stitcher that provides center-stapled and folded booklets (up to 20-page booklets), half-fold and tri-fold (for letter-size paper only); Supports banner paper. RU-513 required.
RU-513	A87JWY2	Relay Unit	Required to install FS-536 or FS-536SD on bizhub 368/308.
FS-533	A2YUWY2	Inner Finisher	50-sheet Inner Staple Finisher required to support PK-519 Punch Kit. Supports banner printing.
PK-519	A3EUW12	2/3-Hole Punch Kit for FS-533	2/3-Hole Punch Kit for FS-533 Inner Finisher.
PK-520	A3ETW11	2/3-Hole Punch Kit for FS-536	2/3-Hole Punch Kit for FS-536.
ANALOG FAX OPTIONS			
FK-514	A883012	Fax Kit for Lines 1 & 2	Supports single line fax capabilities; Add second FK-514 Fax Kit for dual line fax capabilities.
FK-515	A884W11	Fax Kit for Lines 3 & 4	Supports third and fourth fax line capabilities; Must have two (2) FK-514 Fax Kits for 1st and 2nd Fax Lines; Add one FK-515 for Line 3 and a second FK-515 for line 4. One MK-742 Mount Kit required.
MK-742	A886WY1	FK-515 Fax Mount Kit	Mount Kit required to add FK-515 Fax Kit(s) for Line 3 and Line 4 fax support. Only one MK-742 Mount Kit required.
SP-501	4614506	Stamp Unit	Installed on RADF
Spare Fax Stamp	4614511	Spare TX Marker Stamp 2	Installed on RADF

* Direct Channel and Canada should refer to price book for item numbers.

Konica Minolta bizhub 368/308

Specification & Installation Guide



Accessory Options for bizhub 368/308 Digital Color Printer/Copier/Scanner/Fax continued

ACCESSORIES	ITEM NO.	DESCRIPTION	NOTES
ADDITIONAL OPTIONS			
AU-102	A0X9WY1	Biometric Authentication Unit	Scans finger vein patterns to enable users to gain access to the device. Requires WT-506 Working Table.
AU-204H	7640013468	Magnetic Stripe Card Reader	Allows authorized access to the MFP using Magnetic Stripe Cards. Requires WT-506 Working Table.
AU-205H*	R5427000138466	IC Card Reader	Allows access to the MFP via HID Proximity Cards. Working table recommended. Supports IC card types.
AU-211P	—	CAC/PIV Solution with Certificate	Requires WT-506 Working Table. Contact your local Government Account Manager for information.
EK-608	A88AWY2	Local USB Interface Kit	Required to connect optional external keyboard and supports Voice Guidance functions available with optional LK-104 v3. Also required for UK-212.
EK-609	A87DWY2	Local USB Interface Kit	Required to connect optional external keyboard, provides Bluetooth printing support for mobile phone link and supports Voice Guidance functions available with optional LK-104 v3. Also required for UK-212.
LK-102 v3**	A0PD116	i-Option License Kit	Enables 128-bit AES PDF encryption; PDF File and password are encrypted; provides PDF/A (1a/1b) and Linearized PDF file format support. Please note that the LK-110 V2 supports the same functions as the LK-102 v3, therefore, both license kits cannot be installed on the same device.
LK-104 v3	A0PD117	i-Option License Kit	Provides Voice Guidance functionality. Requires UK-211 Memory Expansion.
LK-105 v4	A0PD118	i-Option License Kit	Provides Searchable PDF functionality. Requires UK-211 Memory Expansion. Please note that the LK-110 v2 supports the same functions as the LK-105 v4, therefore, both license kits cannot be installed on the same device.
LK-106	A0PD119	i-Option License Kit	Provides Bar Code Font printing support. Requires UK-211 Memory Expansion.
LK-107	A0PD11F	i-Option License Kit	Provides Unicode Font printing support. Requires UK-211 Memory Expansion.
LK-108	A0PD11G	i-Option License Kit	Provides OCR Font printing support. Requires UK-211 Memory Expansion.
LK-110 v2	A0PD11J	i-Option License Kit	Provides DOCX, XLSX format file conversion, Fax to searchable PDF, convert print data in box to compact PDF, combines LK-102 (encrypted PDF) & LK-105 (searchable PDF/OCR) functionality. Requires UK-211 Memory Expansion. Please note that if you install the LK-110 V2 on a device, you cannot install the LK-102 v3 and/or LK-105 v4 on the same device.
LK-111	A0PD01K	i-Option License Kit	Provides ThinPrint client support.
MK-730	A4MEWY2	Banner Paper Guide	Enables automatic feeding of banner paper. Up to 10 banner sheets supported.
MK-735	A4NMWY1	Mount Kit	Internal Mount Kit for AU-205H. Required if these card readers are not mounted externally using the WT-506.
External Keyboard	7640006869	External Keyboard	Computer type keyboard for alphanumeric data entry (alternative to the standard QWERTY keyboard available on the MFP's LCD). Requires either EK-608 or EK-609 and KH-102.
KH-102	A4NRWY1	Keyboard Holder	Holds the optional QWERTY keyboard in place on the MFP.
KP-101	A64TWY3	10-Key Pad	Optional 10 Key Pad. Supports Voice Guidance function available with optional LK-104 v3 i-Option License Kit. Affixes to the right-hand side of the control panel.
SC-508	A4MMWY3	Copy Guard Kit (Copy Guard/ Password Copy Protection)	Detects documents with Copy Protect patterns applied. Gives users the option to prevent copying sensitive documents or allows copying when password is entered. Dual Scan models require two SC-508 Security Kits.
UK-211	—*	2 GB Memory Expansion	Required for Registered Overlay. Also required for concurrent use of Web Browser and Stamp Print, Watermark, Date/Time Print, Header/Footer, Image Overlay, or Management Number.
UK-212	A87EWY2	Wireless LAN Upgrade Kit	Provides wireless secure connection for printing, scanning and Authentication. Requires either EK-608 or EK-609.
WT-506	A0W4WY3	Working Table	Required for AU-102 Biometric Unit, AU-204H Magnetic Stripe Card Reader, AU-205H IC Card Reader, and AU-211P CAC/PIV Solution and if these card readers are not mounted internally using the MK-735.

* May not be available at time of launch.

** LK-102 v3 and/or LK-105 v4 cannot be installed if the LK-110 is installed since the LK-1100 supports the same functions as the LK-102 v3 and LK-105 v4.

Accessory Options for bizhub 368/308 Digital Printer/Copier/Scanner/Fax continued

CONSUMABLE YIELDS*

CONSUMABLE	ITEM NO.	YIELD
DV313K Developing Unit	A7U403D	600,000
DR313K Drum Unit	A7U40RD	150,000
TN325 Toner	A8DA130	24,000
Waste Toner Box	A4NNWY3	100,000
Fusing Unit	A7PUR703000	600,000
Intermediate Image Transfer Kit	A161R71300	300,000
Staples SK-602 (For FS-536, FS-536SD and FS-533)	14YK	5,000 × 3 pkg/case

Konica Minolta bizhub 368/308

Documentation Information



All documentation can be downloaded from MyKonicaMinolta.com by clicking on Product Reference Materials under the Products Portlet.

User Manuals

[bizhub 368/308 HTML User Manual](#)
[bizhub 368/308 Section 508 HTML User Manual](#)
[bizhub 368/308 Using the Machine](#)
[bizhub 368/308 Quick Start Guide](#)

Parts Manuals

[bizhub 368 Parts Manual](#)
[bizhubC308 Parts Manual](#)
[DF-629 Parts Manual](#)
[DF-704 Parts Manual](#)
[DK-510 Parts Manual](#)
[EK-608 Parts Manual](#)
[EK-609 Parts Manual](#)
[FK-514 Parts Manual](#)
[FK-515 Parts Manual](#)
[FS-533 Parts Manual](#)
[FS-536 Parts Manual](#)
[FS-536SD Parts Manual](#)
[HD-524 Parts Manual](#)
[IC-416 Parts Manual](#)
[JS-506 Parts Manual](#)
[KP-101 Parts Manual](#)
[LU-302 Parts Manual](#)
[MK-730 Parts Manual](#)
[MK-735 Parts Manual](#)
[MK-742 Parts Manual](#)
[OC-511 Parts Manual](#)
[PC-110 Parts Manual](#)
[PC-210 Parts Manual](#)
[PC-410 Parts Manual](#)
[PK-519 Parts Manual](#)
[PK-520 Parts Manual](#)
[RU-513 Parts Manual](#)
[WT-506 Parts Manual](#)

Service Manuals

[bizhub 368/308 HTML Service Manual](#)
[bizhub 368/308 PDF Service Manual](#)

Installation Instructions

[bizhub C368/C308 Installation Instructions](#)
[bizhub 368/308 Network Fax Installation Instructions](#)
[bizhub 368/308 Drum Unit Installation Instructions](#)
[AU-102 Installation Instructions](#)
[DF-629 Installation Instructions \(includes SP-501\)](#)
[DF-704 Installation Instructions \(includes SP-501\)](#)
[DK-510 Installation Instructions](#)
[EK-608 Installation Instructions](#)
[EK-609 Installation Instructions](#)
[FK-514 Installation Instructions](#)
[FK-514 Installation Instructions Additional Information](#)
[FS-533 Installation Instructions](#)
[FS-533 Installation Instructions Additional Information](#)
[FS-534/FS-534SD/FS-536/FS-536SD/FS-537/FS-537SD Installation Instructions](#)
[HD-524 Installation Instructions](#)
[JS-506 Installation Instructions](#)
[KH-102 Installation Instructions](#)
[KP-101 Installation Instructions](#)
[LU-302 Installation Instructions](#)
[MK-730 Installation Instructions](#)
[MK-735 Installation Instructions](#)
[MK-742/FK-515 Installation Instructions](#)
[PC-110 Installation Instructions](#)
[PC-210 Installation Instructions](#)
[PC-410 Installation Instructions](#)
[PK-519 Installation Instructions](#)
[PK-520 Installation Instructions](#)
[RU-513/FS-534SD/FS-536/FS-536SD Installation Instructions](#)
[SC-508 Installation Instructions](#)
[UK-211 Installation Instructions](#)
[UK-212 Installation Instructions](#)
[WT-506 Installation Instructions](#)

Konica Minolta bizhub C368/C308

Firmware and Drivers



Firmware and Drivers can be downloaded from the [One Stop Product Support](#) located under the Service tab on mykonicaminolta.com

Program Release Information

CSES ID-No. DLBT1614836EN

Model: bizhub 368 Series

MFP firmware Ver. G00-09

Subject: bizhub 368 Series Initial Mass-Production Program Function Version3.2 (Ver. G00-09)

1. Release version and download file name

The newly released program version and download file name is as follows.

[Release version]

<368 Series MFP firmware>

***This firmware can use for Multi-Language. (Multi-Language firmware is the same as this firmware.)**

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	MFP firmware	-	G00-09	A9HJ0Y0-F000-G00-09.exe

<368 Series Movie Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	Movie Data	-	00	A9HJ0Y0-C000-G00-00_Movie_F3.2.exe

<368 Series Voice Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	Voice Data	-	00	A9HJ0Y0-C100-G00-00_Voice_F3.2.exe

<368 Series OCR Dictionary Data for Searchable PDF>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	OCR Dictionary Data	-	01	A7AH0Y0-B100-G00-01_OCRRData_F3.2.exe

<368 Series PDF/A Font Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	PDF/A Font Data	-	00	A7AH0Y0-B200-G00-00_PDFAFontData_F3.2.exe

<368 Series Unicode Font Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	Unicode Font Data	-	00	A2X00Y0-D000-G00-00_UnicodeFontData_F3.2.exe

<368 Series OCR Font Data>

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	OCR Font Data	-	00	A2X00Y0-D100-G00-00_OCRRFontData_F3.2.exe

Konica Minolta bizhub 368/308

Firmware and Drivers



KONICA MINOLTA

<368 Series Loadable Driver>

Model	IC Card Reader	IC Card	Current Ver.	New Ver.	Program File Name	Check sum	Note
bizhub 368 Series	AU-201S	FeliCa IDm/ FeliCa Private	-	07	A7PU0Y0-A023-G00-07_AU-201S.exe	8392	NFC is supported.
	AU-205H	HID Prox		04	A7PU0Y0-A015-G00-04_AU-205H.exe	5E94	
	AU-102	Biometric		02	A7AH0Y0-A900-G00-02_AU-102.exe	9475	
	Y-Soft			01	A7AH0Y0-A521-G00-01_Y-Soft.exe	6D43	

* Program Files are stored in "LoadableDriver.zip".

<958/368/367 Series Drivers/Application>

Model	Program Name	Current Ver.	New Ver.	Download File Name	Note
bizhub 958/368/367 Series	PCL Printer Driver for Windows Vista/7/8.1/10/Server2008/Server2008R2/Server2012/Server2012R2	-	6.1.2.0	958_368_367_Series_PS_PCL_FAX_XPS_v6.1.2.0.zip	With WHCK (Win_x86,Win_x64)
	PostScript3 Printer Driver for Windows Vista/7/8.1/10/Server2008/Server2008R2/Server2012/Server2012R2	-	6.1.2.0		With WHCK (Win_x86,Win_x64)
	FAX Driver for Windows Vista/7/8.1/10/Server2008/Server2008R2/Server2012/Server2012R2	-	6.1.2.0		With WHCK (Win_x86,Win_x64)
	XPS Printer Driver for Windows Vista/7/8.1/10/Server2008/Server2008R2/Server2012/Server2012R2	-	6.1.2.0		With WHCK (Win_x86,Win_x64)
	ApplicationPPD	-	60001.0001	958_368_367_Series_ApplicationPPD_v.60001.0001.zip	
	Linux PS-PPD	-	60001.0001	958_368_367_Series_Linux_v60001.0001.zip	
	MacOS X (Version10.7.x) PS-PPD	-	6.1.1	958_368_367_Series_MacOS_v6.1.1.zip	
	MacOS X (Version10.8.x) PS-PPD	-	6.1.1		
	MacOS X (Version10.9.x,10.10.x,10.11.x) PS-PPD	-	6.1.1		
	Real-Time Mode TWAIN Driver	-	4.0.30500	TWAIN_v4.0.30500.zip	
	HDD TWAIN Driver	-	4.0.30500		
	Auth Device Tool Advanced for AU-201/AU-201S	-	2.0.00000	Auth Device Tool Advanced.zip	
	Auth Device Tool Advanced for YSoft CRv2	-	1.2.00000		
	Auth Device Tool Advanced for 5427CK (AU-205H)	-	1.1.00000		

Konica Minolta bizhub C368/C308

Firmware and Drivers



[Download File Name]

A9HJOY0-F000-G00-09.exe
 A9HJOY0-C000-G00-00_Movie_F3.2.exe
 A9HJOY0-C100-G00-00_Voice_F3.2.exe
 A7AH0Y0-B100-G00-01_OCRData_F3.2.exe
 A7AH0Y0-B200-G00-00_PDFAFontData_F3.2.exe
 A2X00Y0-D000-G00-00_UnicodeFontData_F3.2.exe
 A2X00Y0-D100-G00-00_OCRFontData_F3.2.exe
 LoadableDriver.zip
 958_368_367_Series_PS_PCL_FAX_XPS_v6.1.2.0.zip
 958_368_367_Series_ApplicationPPD_v.60001.0001.zip
 958_368_367_Series_Linux_v60001.0001.zip
 958_368_367_Series_MacOS_v6.1.1.zip
 TWAIN_v4.0.30500.zip
 Auth Device Tool Advanced.zip
 PRI_368_Series_DLBT1614836EN_1.doc

2. What changed

2.1. Release of bizhub 368 Series (Mass-Production Program Function Version3.2 Ver. G00-09)

The individual files and the checksum are as follows.

Program Name	File Name	Checksum	Note
MFP Card Version	A9HJOY0-F000-G00-09		
Linux-based MFP Controller	Linux-3.10.40	768A	
MFP Controller Kernel Program	A9HJOY0-1C00-G00-01	2558	
MFP Controller Subset	A9HJOY0-1F00-G00-00	1402	
MFP Controller	A9HJOY0-0100-G00-09	8250	
MFP Controller System	A9HJOY0-1000-G00-09		
MFP Controller Print Controller	A9HJOY0-3000-G00-02		
MFP Controller Print Controller Font	A9HJOY0-3F00-G00-00		
MFP Controller Print Controller Demo Page	A9HJOY0-3E00-G00-00		
Image Reader Controller	A9HJOY0-8600-G00-01		
MFP Controller MIO	A9HJOY0-5000-G00-95		
MFP Controller PIC	A9HJOY0-8200-G00-04		
MFP Controller Thread Image Parameter	A9HJOY0-8B10-G02-01	0431	
MFP Controller PIC Image Parameter	A9HJOY0-8A10-G00-02	048F	
FAX board controller	A8790Y0-4000-G00-15	2380	
Operation panel message data	A9HJOY0-8100-G00-08	43F1	
ADF (DF-629)	A87R0Y0-0024-G00-30	1744	
ADF (DF-704)	A85G0Y0-0024-G00-30	2199	
Machine Controller	A9HJOY0-0200-G00-02	085E	
Machine Controller Printer	A9HJOY0-0220-G00-02	F398	
Machine Controller Media	A9HJOY0-0230-G00-00	26C5	
Machine Controller IO	A9HJOY0-0240-G00-00	5F9D	
Machine Controller Scanner	A9HJOY0-0300-G00-02	3D50	
Finisher (FS-536)	A87G0Y0-0071-G00-07	7A91	
Finisher (FS-533)	A2YU0Y0-0071-G10-02	CBEB	
Separator (JS-506)	A2YV0Y0-0070-G00-01	B1E3	
SD	A3ER0Y0-0071-G10-02	D6F0	
Integrated Printer Driver Version	5-3.2a-0-G00-09		

Konica Minolta bizhub 368/308

Firmware and Drivers



3. Functional restrictions

None

4. How to install

Please refer to Service Manual.

5. Program that recommends applying at the same time

Combinations of this program and other latest program versions are as follows.

[bizhub 368 Series related]

Model	Program Name	Version
bizhub 368 Series	MFP Card Version	G00-09
	PCL Printer Driver	6.1.2.0
	PostScript3 Printer Driver	6.1.2.0
	FAX Driver	6.1.2.0
	XPS Driver	6.1.2.0
	ApplicationPPD	60001.0001
	Linux PS-PPD	60001.0001
	MacOS X (Version10.7) PS-PPD	6.1.1
	MacOS X (Version10.8) PS-PPD	6.1.1
	MacOS X (Version10.9.x,10.10.x,10.11.x) PS-PPD	6.1.1
	Real-Time Model TWAIN Driver	4.0.30500
	HDD TWAIN Driver	4.0.30500
	Auth Device Tool Advanced for AU-201/AU-201S	2.0.00000
	Auth Device Tool Advanced for YSoft CRv2	1.2.00000
	Auth Device Tool Advanced for 5427CK (AU-205H)	1.1.00000

6. OpenAPI supported function level

The following is OpenAPI supported function level on this firmware.

OpenAPI:

OpenAPI Function Level	4.12
------------------------	------

Detail:

Auth	1.0/1.1/2.0/2.1/2.5/3.5/3.6/3.7/4.0/4.1/4.2/4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Scan to Application	2.0/2.1/2.2/3.0/3.1/3.5/3.6/3.7/4.0/4.5/4.6/4.8/4.9/4.10/4.12	
PullPrint	1.0/1.1/2.0/2.1/2.5/3.5/3.6/4.0/4.5/4.6/4.7/4.8/4.9/4.10/4.12	
Other A	1.0/3.5/4.0	
Job Management	1.0/3.5/3.6/4.0/4.10	
Setup	1.0/1.1/1.2/1.3/2.0/2.1/2.5/3.5/3.6/3.7/3.8/4.0/4.1/4.2/4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Link	4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Web Browser	Auth	1.0/1.1/1.5/3.5/3.6/3.7/4.0/4.1/4.2/4.5/4.7/4.8/4.9/4.10
	Scan to Application	1.0/1.1/3.5/3.6/3.7/4.0/4.1/4.5/4.6/4.7/4.8/4.9/4.10/4.12
	PullPrint	1.0/1.1/1.5/3.5/3.6/4.0/4.1/4.5/4.8/4.9/4.10/4.12
	ScrSvr	1.0/3.5/4.0
	Launcher	1.0/3.5/4.0/4.8
	General	4.0/4.1/4.5/4.6/4.8/4.9/4.10/4.12

Konica Minolta bizhub C368/C308

Firmware and Drivers



7. IWS function level

IWS function Level	2.5.4
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Konica Minolta bizhub 368/308

Firmware and Drivers



Program Release Information

CSES ID-No. DLBT1615798EN

Model: bizhub 368 Series

MFP firmware Ver. G00-13

Subject: bizhub 368 Series Mass-Production Program Maintenance Release1 Function Version3.2 (Ver. G00-13)

1. Release version and download file name

The newly released program version and download file name is as follows.

[Release version]

<368 Series MFP firmware>

***This firmware can use for Multi-Language. (Multi-Language firmware is the same as this firmware.)**

Model	Program Name	Current Ver.	New Ver.	Program File Name
bizhub 368 Series	MFP firmware	G00-09	G00-13	A9HJOY0-F000-G00-13.exe

[Download File Name]

A9HJOY0-F000-G00-13.exe

PRI_368_Series_DLBT1615798EN_0.doc

2. What changed

2.1. Release of bizhub 368 Series (Maintenance Release Program Function Version3.2 Ver. G00-13)

The individual files and the checksum are as follows.

Program Name	File Name	Checksum	Note
MFP Card Version	A9HJOY0-F000-G00-13		
Linux-based MFP Controller	Linux-3.10.40	768A	
MFP Controller Kernel Program	A9HJOY0-1C00-G00-01	2558	
MFP Controller Subset	A9HJOY0-1F00-G00-00	1402	
MFP Controller	A9HJOY0-0100-G00-13	2204	
MFP Controller System	A9HJOY0-1000-G00-13		
MFP Controller Print Controller	A9HJOY0-3000-G00-03		
MFP Controller Print Controller Font	A9HJOY0-3F00-G00-00		
MFP Controller Print Controller Demo Page	A9HJOY0-3E00-G00-00		
Image Reader Controller	A9HJOY0-8600-G00-01		
MFP Controller MIO	A9HJOY0-5000-G00-95		
MFP Controller PIC	A9HJOY0-8200-G00-04		
MFP Controller Thread Image Parameter	A9HJOY0-8B10-G02-01	0431	
MFP Controller PIC Image Parameter	A9HJOY0-8A10-G00-02	048F	
FAX board controller	A8790Y0-4000-G00-15	2380	
Operation panel message data	A9HJOY0-8100-G00-08	43F1	
ADF (DF-629)	A87R0Y0-0024-G00-30	1744	
ADF (DF-704)	A85G0Y0-0024-G00-30	2199	
Machine Controller	A9HJOY0-0200-G00-03	06DC	
Machine Controller Printer	A9HJOY0-0220-G00-03	8426	
Machine Controller Media	A9HJOY0-0230-G00-00	27F1	
Machine Controller IO	A9HJOY0-0240-G00-00	5F9D	
Machine Controller Scanner	A9HJOY0-0300-G00-02	3D50	
Finisher (FS-536)	A87G0Y0-0071-G00-07	7A91	
Finisher (FS-533)	A2YU0Y0-0071-G10-02	CBEB	
Separator (JS-506)	A2YV0Y0-0070-G00-01	B1E3	
SD	A3ER0Y0-0071-G10-02	D6F0	
Integrated Printer Driver Version	5-3.2a-0-G00-13		

Konica Minolta bizhub C368/C308

Firmware and Drivers



2.2. Fixed issues

The following issues are solved in this firmware.

1. The parameter is not reflected even if Gradation Adjustment is performed.
2. The image offset caused by fusing unit may occur and the defective fusing image may be printed.

3. Functional restrictions

None

4. How to install

Please refer to Service Manual.

5. Program that recommends applying at the same time

Please refer to the PRI for "bizhub 368 Series Initial Mass-Production Program Function Version3.2 (Ver. G00-09)" for details. (DLBT1614836EN)

6. OpenAPI supported function level

The following is OpenAPI supported function level on this firmware.

OpenAPI:

OpenAPI Function Level	4.12
------------------------	------

Detail:

Auth	1.0/1.1/2.0/2.1/2.5/3.5/3.6/3.7/4.0/4.1/4.2/4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Scan to Application	2.0/2.1/2.2/3.0/3.1/3.5/3.6/3.7/4.0/4.5/4.6/4.8/4.9/4.10/4.12	
PullPrint	1.0/1.1/2.0/2.1/2.5/3.5/3.6/4.0/4.5/4.6/4.7/4.8/4.9/4.10/4.12	
Other A	1.0/3.5/4.0	
Job Management	1.0/3.5/3.6/4.0/4.10	
Setup	1.0/1.1/1.2/1.3/2.0/2.1/2.5/3.5/3.6/3.7/3.8/4.0/4.1/4.2/4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Link	4.5/4.6/4.7/4.8/4.9/4.10/4.11/4.12	
Web Browser	Auth	1.0/1.1/1.5/3.5/3.6/3.7/4.0/4.1/4.2/4.5/4.7/4.8/4.9/4.10
	Scan to Application	1.0/1.1/3.5/3.6/3.7/4.0/4.1/4.5/4.6/4.7/4.8/4.9/4.10/4.12
	PullPrint	1.0/1.1/1.5/3.5/3.6/4.0/4.1/4.5/4.8/4.9/4.10/4.12
	ScrSvr	1.0/3.5/4.0
	Launcher	1.0/3.5/4.0/4.8
	General	4.0/4.1/4.5/4.6/4.8/4.9/4.10/4.12

7. IWS function level

IWS function Level	2.5.4
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Bulletin # 10369
Date: 11/10/16
Subject: bizhub 368/308 Technical Training
Technical Education: 557

The Technical Education and Development Group of Konica Minolta Business Solutions U.S.A., Inc. is pleased to announce online technical differences training for the bizhub **368/308**.

The bizhub **368/308** features:

- Open API (consistent with the latest Info Palette engines)
- **9" control display panel** featuring soft menu keys that allow users to register commonly used functions
- **Mobile touch area** with embedded **Near Field Communication (NFC)** and **Bluetooth LE (Low Energy)** technology, allowing users to authenticate print and scan jobs directly from their mobile devices
- **Reduced power usage on sleep mode** - from 1.0W to 0.5W
- Optional hard disk mirroring
- To enable full functionality of all options these devices come ready with 4 GB of memory and the standard web browser (LK-101v3). Installed and configured during the install.

The bizhub **368/308** Technical Differences WBT focuses on the differences from the bizhub C368 series and takes approximately 1 hour to complete. Those previously certified on the C368 series are eligible to complete this differences training for technical certification on the bizhub 368/308 monochrome models. Below is a direct link to the course:

[**bizhub 368/308 Technical Differences WBT**](#)

This technical training can also be located using the following course code in the Find Learning tile within Konica Minolta Learning: *T368DIFWBT*

Please note this content is included in future "bizhub C368/C308, C364/C284/C224, C554/C454 & C658/C558 Technical Classroom" courses.

Please contact Technical Education for questions related to technical training.

Email – techtrain@kmb.konicaminolta.us, **Phone** – (860) 683-2402 Ext. 2198,

Website - [Technical Education Information Center](#)

Trying to find the best training path for a specific product line? Try using our [Technical Training Certification Pathfinder](#).



Bulletin # 10405
Date: 12/8/16
Subject: Startup Parts
bizhub 308:

001

bizhub 368:

001

The following pages contain the recommended startup parts to support an initial placement of the bizhub 308 and 368, and their accessories. This is not a compilation of all parts that will be needed; it is a suggested list of parts and supplies that could adversely affect machine operation if they are not replaced at the scheduled intervals.

Consult the current parts catalogs and bulletins for additional parts and changes that may be made from time to time.

Use this list as an aid in preparing an initial parts inventory for these models. Parts and supplies can be ordered using standard ordering procedures.

bizhub 308, 368

Startup Parts List (One Machine)



For replacement procedures, refer to the Service Manual.

Section	Description	Part No.	Qty.	Replacement Interval
Main Body				
Paper Feed	Pick-up roller, trays 1, 2	A5C1562200	2	300,000 ^{2,4}
	Feed roller, trays 1, 2	A00J563600	2	300,000 ^{2,4}
	Separation roller, trays 1, 2	A00J563600	2	300,000 ^{2,4}
	Feed roller, manual bypass	A00F623201	1	200,000 ^{2,4}
	Separation roller, manual bypass	4658015106	1	200,000 ^{2,4}
	Pick-up roller, DF-629/DF-704	A143PP5200	2	200,000 ^{2,4}
	Feed roller, DF-629/DF-704	A00J563600	1	200,000 ^{2,4}
	Separation roller, DF-629/DF-704	A3CFPP4H00	1	200,000 ^{2,4}
Processing	Toner cartridge (TN-325) ¹	A8DA030	1	24,000 ³
	Drum unit (DR-313K) ¹	A7U40RD	1	150,000 ³
	Developing unit (DV-313K) ¹	A7U403D	1	590,000 ³
	Waste toner box (WX-103) ⁶	A4NNWY3	1	100,000 ³
Intermediate Transfer	Transfer belt unit ⁵ (includes transfer roller)	A161R71322	1	300,000 ³
Fusing	Fusing unit	A161R71877	1	590,000 ³
FS-533				
Inner Finisher	Alignment roller assy /F	A2YUPPK001	1	1,000,000 ⁴
	Alignment roller assy /R	A2YUPPK101	1	1,000,000 ⁴
FS-536				
Floor Finisher	Staples (MS-10A)	4599141	1	15,000 ⁷
	Paddle assy.	A87GPP0W00	2	2,000,000 ⁴
	Paddle assy.	A87GPP0X00	1	2,000,000 ⁴
FS-536SD				
Booklet Finisher	Staples (MS-10A)	4599141	1	15,000 ⁷
	Paddle assy.	A87GPP0W00	2	2,000,000 ⁴
	Paddle assy.	A87GPP0X00	1	2,000,000 ⁴
	Upper paddle (saddle unit)	A3ERPP3801	1	2,000,000 ⁴
	Lower paddle (saddle unit)	A3ERPP7Y00	4	2,000,000 ⁴
LU-302				
Large Capacity Unit	Pick-up roller	A5C1562200	1	300,000 ⁴
	Feed roller	A00J563600	1	300,000 ⁴
	Separation roller	A00J563600	1	300,000 ⁴
PC-110				
Paper Feed Cabinet	Pick-up roller	A5C1562200	1	300,000 ⁴
	Feed roller	A00J563600	1	300,000 ⁴
	Separation roller	A00J563600	1	300,000 ⁴

bizhub 308, 368

Startup Parts List (One Machine)



Section	Description	Part No.	Qty.	Replacement Interval
PC-210				
2-Way Paper Feed Cabinet	Pick-up roller	A5C1562200	2	300,000 ⁴
	Feed roller	A00J563600	2	300,000 ⁴
	Separation roller	A00J563600	2	300,000 ⁴
PC-410				
Large Capacity Cassette	Pick-up roller	A5C1562200	1	300,000 ⁴
	Feed roller	A00J563600	1	300,000 ⁴
	Separation roller	A00J563600	1	300,000 ⁴

1. Supply item. Replacement intervals are approximate, based upon copy/print characteristics including print density and coverage. These items can be replaced by the user.
2. Replacement interval based on actual durable life counter (life counter value).
3. Field standard value
4. Replace all of these parts at the same time.
5. Transfer roller unit is furnished with the transfer belt unit so that they are replaced at the same time.
6. Waste toner full condition is detected by detecting actual waste toner level.
7. Staples are packaged in 3 boxes of 5,000 staples.



Product Name: TONER TN325

Prepared Date:13-Jun-2016

Revised Date: 14-Jun-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: TONER TN325

used for: bizhub 368/308

Supplier Identification:

Konica Minolta Business Solutions U.S.A., Inc.

100 Williams Drive, Ramsey, New Jersey 07446, U.S.A.

Telephone: 201-825-4000

Emergency Telephone No.

CHEMTREC

Telephone: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms: ---

Signal word: ---

Hazard Statement: ---

Precautionary Statements: ---

Other Hazards

Dust explosion (like most finely divided organic powders).



Product Name : TONER TN325

Prepared Date : 13-Jun-2016

Revised Date : 14-Jun-2016

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance [] Preparation [X]

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Styrene acrylic resin	+++	65-75
Ferrite Iron oxide	1309-37-1	5-15
. Manganese oxide	1344-43-0	1-10
Wax	+++	1-10
Carbon black	1333-86-4	1-10
Wax-2	+++	1-10
Amorphous silica	7631-86-9	1-10
Titanium dioxide	13463-67-7	<1

+++ : Supplier's confidential information

Hazardous Ingredients:

Chemical Name: Carbon black

CAS No.: 1333-86-4

EINECS-No.: 215-609-9

NTP(USA): Not listed

California Proposition 65(USA): Listed

Symbol(EC): Not listed

DFG-MAK(GER): III 3B

REACH Registration number: 01-2119384822-32-XXXX

IARC Monographs: Group 2B

H code(EC): Not listed

Chemical Name: Titanium dioxide

CAS No.: 13463-67-7

NTP(USA): Not listed

Symbol(EC): Not listed

EINECS-No.: 236-675-5

IARC Monographs: Group 2B

H code(EC): Not listed

Chemical Name: Manganese oxide

CAS No.: 1344-43-0

Symbol(EC): Not listed

EINECS-No.: 215-695-8

H code(EC): Not listed

4. FIRST-AID MEASURES

Ingestion: Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.

Inhalation: Move victim to fresh air immediately. If symptoms occur, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.

Skin Contact: Wash with water and mild soap.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO2, water spray, foam and dry chemical

Extinguishing Media to Avoid: Full water jet

Fire and Explosion Hazards: If dispersed in air, like most finely divided organic powders, may form an explosive mixture.

Protection of Firefighters: Use self-contained breathing apparatus(SCBA).



Product Name: TONER TN325

Prepared Date: 13-Jun-2016

Revised Date: 14-Jun-2016

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Cleaning Up: Wear personal protective equipment(See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: Do not breathe dust. Avoid contact with eyes.

Safe Handling Advice: Try not to disperse the particulates.

Storage

Technical Measures: None

Storage Conditions: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

Incompatible Products: None

Packaging Materials: Bottles or Cartridge designated by Konica Minolta.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters (As total dust)

ACGIH-TLV (USA): 10mg/m³ (Inhalable particles), 3.0 mg/m³ (Respirable particles)

OSHA-PEL (USA): 15mg/m³ (Total dusts), 5.0 mg/m³ (Respirable fraction)

DFG-MAK (GER): 4mg/m³ (Inhalable fraction), 1.5mg/m³ (Respirable fraction)

Safe Work Australia-TWA: 10mg/m³

Control Parameters (As Ingredients: Carbon black)

ACGIH-TLV (USA): 3mg/m³

OSHA Z-Table (USA): 3.5mg/m³

Safe Work Australia-TWA: 3mg/m³

Control Parameters (As Ingredients: Titanium dioxide)

ACGIH-TLV(USA): 10mg/m³

OSHA Z-Tables(USA): 15mg/m³

Safe Work Australia-TWA: 10mg/m³

Control Parameters (As Ingredients: Manganese oxide)

ACGIH-TLV(USA): 0.1mg/m³(Mn;Inharable Fraction)

0.02mg/m³(Mn;Respirable Fraction)

OSHA Z-Tables(USA): ceiling 5mg/m³

Safe Work Australia-TWA: 1mg/m³(Mn)

Personal Protective Equipment

Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.



Product Name : TONER TN325

Prepared Date : 13-Jun-2016

Revised Date : 14-Jun-2016

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid	Color: Black
Form: Powder (mean dia. is 5-10 um (toner))	
Odor:	Almost odorless
PH	Not applicable
Boiling Point(°C):	Not applicable
Melting Point(°C)/[F]:	Around No data available /[] (Softening Point)
Flash Point(°C):	Not applicable
Auto-Ignition Temperature(°C):	No data available
Upper/ lower flammability or explosive limits	No data available
Explosion Properties:	No data available
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	1.2
Solubility:	Insoluble in water.
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	None.
Stability:	Stable except above 200C(392F).
Hazardous Reactions:	Dust explosion, like most finely divided organic powders.
Conditions to avoid:	Electric discharge, throwing into fire.
Materials to Avoid:	Oxidizing materials.
Hazardous Decomposition Products:	CO, CO ₂ , NO _x and smoke.
Hazardous Polymerization:	Will not occur.



Product Name : TONER TN325

Prepared Date : 13-Jun-2016

Revised Date : 14-Jun-2016

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion(oral), LD50(mg/kg): >2000(Rat) *

Dermal, LD50(mg/kg): No data available

Inhalation, LC50(mg/l): >5.13(Rat,4hour) *

(This was the highest attainable concentration.)

Eye irritation: Practically None irritant(Rabbit) *

Skin irritation: None irritant(Rabbit) *

Skin sensitizer: Non sensitizer (Mouse) *

Local Effects: see Chronic Toxicity or Long term Toxicity

Chronic Toxicity or Long Term Toxicity:

In a two-year inhalation study of chronic toxicity and carcinogenicity using a typical toner in rats, there were no lung changes at all in the lowest exposure level (1mg/m³), the most relevant level to potential human exposures. A minimal to mild degree of fibrosis was noted in 22% of the animals at the middle exposure level (4mg/m³), and a mild to moderate degree of fibrosis was observed in 92% of the rats at the highest exposure level(16mg/m³). The lung changes observed in the higher exposure groups are interpreted in terms of "lung overloading", a series of generic responses to the presence of large quantities of respirable, insoluble and relatively benign dusts retained for extended time periods in the lungs. Lung tumor frequency was unchanged among rats exposed to toner at the three exposure levels, and for air-only control rats.

Carcinogenicity

The IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to Carbon Black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung.

Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

The IARC reevaluated titanium dioxide as a Group 2B carcinogen (possible human carcinogen). In animal chronic inhalation studies, the tumor formulation observed in only rats with animal chronic inhalation study are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. Use of this product, as intended, dose not result in inhalation of excessive dust. Epidemiological study to date have not revealed any evidence of the relation between exposure to titanium dioxide and diseases of the respiratory tract beyond general effects of dust.

Mutagenicity: Negative(AMES test)

Teratogenicity: No data available

(*= Based on data for other Konica Minolta Products with similar ingredients)

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

Ecotoxicity: No data available

Mobility: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available



Product Name : TONER TN325

Prepared Date : 13-Jun-2016

Revised Date : 14-Jun-2016

13. DISPOSAL CONSIDERATION

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

14. TRANSPORT INFORMATION

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

15. REGULATORY INFORMATION

US Information

TSCA (Toxic Substances Control Act):

All chemical substances in this product comply with all applicable rules or order under TSCA.

California Proposition 65:

Ingredient carbon black subject to California Proposition 65 is bound in polymer-matrices so that warnings are not required.

CERCLA (Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

• Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable

• Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable

• Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable

• Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable

• Regulation (EC) No 1907/2006 of the European Parliament and of the Council:

- Annex XIV- List of Substances Subject To Authorization: Not applicable

- Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.



Product Name : TONER TN325

Prepared Date : 13-Jun-2016

Revised Date : 14-Jun-2016

16. OTHER INFORMATION

HMIS Rating: The National Paint and Coating Association (USA): Health: 1 Flammability: 1 Reactivity: 0

Explanation of term: IARC 2B means "possible human carcinogen".

Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschungsgemeinschaft

DGR: Dangerous Goods Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

H-Code: Hazard Code

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

NTP: National Toxicology Program

OEL: Occupational exposure limit

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

SARA: Superfund Amendments and Reauthorization Act

TSCA: Toxic Substances Control Act

vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.

Literature References:

ANSI Z400.1-1993

ISO 11014-1

Commission Directive 91/155/EEC

IARC(2010): IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans,
Vol. 93, Carbon Black, Titanium Dioxide, and Talc, Lyon, pp. 43-191

H.Muhle, B.Bellmann, O.Creutzenberg, C.Dasenbrock, H.Ernst, R.Kilpper, J.C.MacKenzie, P.Morrow,
U.Mohr, S.Takenaka, and R.Mermelstein(1991)

Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats. Fundamental and Applied
Toxicology 17, pp.280-299.

NIOSH CURRENT INTELLIGENCE BULLETIN :Evaluation of Health Hazard and Recommendation
for Occupational Exposure to Titanium Dioxide :DRAFT

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.



Product Name: DV313K

Prepared Date:22-Oct-2014

Revised Date: 14-Jun-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DV313K

used for: bizhub C368/C308/C258, 368/308

Supplier Identification:

Konica Minolta Business Solutions U.S.A., Inc.

100 Williams Drive, Ramsey, New Jersey 07446, U.S.A.

Telephone: 201-825-4000

Emergency Telephone No.

CHEMTREC

Telephone: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms: ---

Signal word: ---

Hazard Statement: ---

Precautionary Statements: ---

Other Hazards

Dust explosion (like most finely divided organic powders).



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance [] Preparation [X]

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Ferrite Iron oxide	1309-37-1	60-70
. Manganese oxide	1344-43-0	15-25
. Magnesium oxide	1309-48-4	1-10
Styrene-acrylic resin	+++	1-10
Acryl resin	+++	1-10
Carbon black	1333-86-4	< 1
Amorphous silica	7631-86-9	< 1

+++ : Supplier's confidential information

Hazardous Ingredients:

Chemical Name: Carbon black

CAS No.: 1333-86-4

EINECS-No.: 215-609-9

NTP(USA): Not listed

California Proposition 65(USA): Listed

Symbol(EC): Not listed

DFG-MAK(GER): III 3B

REACH Registration number: 01-2119384822-32-XXXX

IARC Monographs: Group 2B

H code(EC): Not listed

Chemical Name: Manganese oxide

CAS No.: 1344-43-0

Symbol(EC): Not listed

EINECS-No.: 215-695-8

H code(EC): Not listed

4. FIRST-AID MEASURES

Ingestion: Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.

Inhalation: Move victim to fresh air immediately. If symptoms occur, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.

Skin Contact: Wash with water and mild soap.

5. FIRE-FIGHTING MEASURESSuitable Extinguishing Media: CO₂, water spray, foam and dry chemical

Extinguishing Media to Avoid: Full water jet

Fire and Explosion Hazards: If dispersed in air, like most finely divided organic powders, may form an explosive mixture.

Protection of Firefighters: Use self-contained breathing apparatus(SCBA).



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: None

Methods for Cleaning Up: Wear personal protective equipment(See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: Do not breathe dust. Avoid contact with eyes.

Safe Handling Advice: Try not to disperse the particulates.

Storage

Technical Measures: None

Storage Conditions: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

Incompatible Products: None

Packaging Materials: Bottles or Cartridge designated by Konica Minolta.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters (As total dust)

ACGIH-TLV (USA): 10mg/m³ (Inhalable particles), 3.0 mg/m³ (Respirable particles)

OSHA-PEL (USA): 15mg/m³ (Total dusts), 5.0 mg/m³ (Respirable fraction)

DFG-MAK (GER): 4mg/m³ (Inhalable fraction), 1.5mg/m³ (Respirable fraction)

Safe Work Australia-TWA: 10mg/m³

Control Parameters (As Ingredients: Carbon black)

ACGIH-TLV (USA): 3mg/m³

OSHA Z-Table (USA): 3.5mg/m³

Safe Work Australia-TWA: 3mg/m³

Control Parameters (As Ingredients: Manganese oxide)

ACGIH-TLV(USA): 0.1mg/m³(Mn;Inhalable Fraction)
0.02mg/m³(Mn;Respirable Fraction)

OSHA Z-Tables(USA):ceiling 5mg/m³

Safe Work Australia-TWA: 1mg/m³(Mn)

Personal Protective Equipment

Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid	Color: Black
Form: Powder (mean dia. is 30-40 um by volume)	
Odor:	Almost odorless
PH	Not applicable
Boiling Point(°C):	Not applicable
Melting Point(°C)/[F]:	Around No data available /[] (Softening Point)
Flash Point(°C):	Not applicable
Auto-Ignition Temperature(°C):	No data available
Upper/ lower flammability or explosive limits	No data available
Explosion Properties:	No data available
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	5
Solubility:	Insoluble in water.
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	None.
Stability:	Stable except above 200C(392F).
Hazardous Reactions:	Dust explosion, like most finely divided organic powders.
Conditions to avoid:	Electric discharge, throwing into fire.
Materials to Avoid:	Oxidizing materials.
Hazardous Decomposition Products:	CO, CO ₂ , and smoke.
Hazardous Polymerization:	Will not occur.



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion(oral), LD50(mg/kg):	>2000(Rat) *
Dermal, LD50(mg/kg):	No data available
Inhalation, LC50(mg/l):	No data available
Eye irritation:	No data available
Skin irritation:	No data available

Skin sensitizer: No data available

Local Effects: see Chronic Toxicity or Long term Toxicity

Chronic Toxicity or Long Term Toxicity:

In a two-year inhalation study of chronic toxicity and carcinogenicity using a typical toner in rats, there were no lung changes at all in the lowest exposure level (1mg/m³), the most relevant level to potential human exposures. A minimal to mild degree of fibrosis was noted in 22% of the animals at the middle exposure level (4mg/m³), and a mild to moderate degree of fibrosis was observed in 92% of the rats at the highest exposure level(16mg/m³). The lung changes observed in the higher exposure groups are interpreted in terms of "lung overloading", a series of generic responses to the presence of large quantities of respirable, insoluble and relatively benign dusts retained for extended time periods in the lungs. Lung tumor frequency was unchanged among rats exposed to toner at the three exposure levels, and for air-only control rats.

Carcinogenicity

The IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to Carbon Black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung.

Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

Mutagenicity: Negative *(AMES test)

Teratogenicity: No data available

(*= Based on data for other Konica Minolta Products with similar ingredients)

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

13. DISPOSAL CONSIDERATION

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

14. TRANSPORT INFORMATION

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

15. REGULATORY INFORMATION

US Information

TSCA (Toxic Substances Control Act):

All chemical substances in this product comply with all applicable rules or order under TSCA.

California Proposition 65:

Ingredient carbon black subject to California Proposition 65 is bound in polymer-matrices so that warnings are not required.

CERCLA (Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable
- Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable
- Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable
- Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council:
 - Annex XIV- List of Substances Subject To Authorization: Not applicable
 - Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.



Product Name : DV313K

Prepared Date : 22-Oct-2014

Revised Date : 14-Jun-2016

16. OTHER INFORMATION

HMIS Rating: The National Paint and Coating Association (USA): Health: 1 Flammability: 1 Reactivity: 0

Explanation of term: IARC 2B means "possible human carcinogen".

Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschungsgemeinschaft

DGR: Dangerous Goods Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

H-Code: Hazard Code

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

NTP: National Toxicology Program

OEL: Occupational exposure limit

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

SARA: Superfund Amendments and Reauthorization Act

TSCA: Toxic Substances Control Act

vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.

Literature References:

ANSI Z400.1-1993

ISO 11014-1

Commission Directive 91/155/EEC

IARC(2010): IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans,
Vol. 93, Carbon Black, Titanium Dioxide, and Talc, Lyon, pp. 43-191

H.Muhle, B.Bellmann, O.Creutzenberg, C.Dasenbrock, H.Ernst, R.Kilpper, J.C.MacKenzie, P.Morrow,
U.Mohr, S.Takenaka, and R.Mermelstein(1991)

Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats. Fundamental and Applied
Toxicology 17, pp.280-299.

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date:14-Jul-2014

Revised Date: 13-Jan-2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

used for: bizhub C368/C308/C258, C658/C558/C458

Supplier Identification:

Konica Minolta Business Solutions U.S.A., Inc.

100 Williams Drive, Ramsey, New Jersey 07446, U.S.A.

Telephone: 201-825-4000

Emergency Telephone No.

CHEMTREC

Telephone: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

Classification: Not classified as dangerous.

Hazard Communication Standard (USA)

Classification: Not classified as dangerous.

LABEL ELEMENTS

Precautionary pictograms: ---

Signal word: ---

Hazard Statement: ---

Precautionary Statements: ---

Other Hazards

None



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date: 14-Jul-2014

Revised Date: 13-Jan-2016

3. COMPOSITION / INFORMATION ON INGREDIENTS

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Substrate		>95
Aluminium drum	7429-90-5	
Coating layer		<5
Polycarbonate	+++	
OPC compound	+++	
Organic pigment	+++	

+++ : Supplier's confidential information

Hazardous Ingredients:

None present

4. FIRST-AID MEASURES

Symptoms of Overexposure: No symptoms expected with intended use.

Routes of Entry: None

Information

Inhalation: No treatment is required.

Skin Contact: No treatment is required.

Eye Contact: No treatment is required.

Ingestion: No treatment is required.

Note to Physician: None

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO₂, water, foam and dry chemical

Extinguishing Media to Avoid: None

Special Firefighting Procedures: None

Fire and Explosion Hazards: This material has no unusual fire or explosive hazards.

Protection of Firefighters: No special equipment is required.



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date: 14-Jul-2014

Revised Date: 13-Jan-2016

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not applicable with intended use.

Environmental Precautions: Not applicable with intended use.

Methods for Cleaning Up: Not applicable with intended use.

7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: This product will be scorched in the case of fire.

Safe Handling Advice: None.

Storage

Technical Measures: None

Storage Conditions: Keep and Store in a cool and dry place.

Incompatible Products: None

Packing Materials: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Ventilation: None required with intended use.

Control Parameters

OSHA-PEL(USA):	Not Applicable	ACGIH-TLV(USA):	Not Applicable
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DFG-MAK(EC):	Not Applicable	Safe Work Australia-TWA:	Not Applicable
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Personal Protective Equipment

None required when used as intended in Konica Minolta equipment.

Hygiene Measures: Wash hands after handling.



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date: 14-Jul-2014

Revised Date: 13-Jan-2016

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State: Solid

Form: Cylinder

Color: Green

Odor:

Almost odorless

<<Results of the coated compounds on the aluminum substrate.>>

Boiling Point:

Not applicable

Melting/Softening Point:

No data available

Flash Point:

Not applicable

pH:

Not applicable

Explosion Properties:

Not applicable

Upper/ lower flammability or explosive limits

No data available

Density(g/cm³):

1.2

Solubility in water:

insoluble

Flammability:

Not applicable

Oxidizing Properties:

No data available

Auto-Ignition Temperature(°C):

No data available

Vapor Pressure:

Not applicable

Vapor density:

Not applicable

Partition Coefficient, n-Octanol/Water:

Not applicable

Decomposition temperature:

Not applicable

(* = Based on data for other Konica Minolta Products with similar ingredients)

10. STABILITY AND REACTIVITY

Reactivity: None.

Stability: Stable

Hazardous Reactions: None

Conditions to avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO₂



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date:14-Jul-2014

Revised Date: 13-Jan-2016

11. TOXICOLOGICAL INFORMATION

Health Effects from Exposure: No symptoms expected with intended use.

Toxicological Data

<<Result of the coated compounds on the aluminum substrate.>>

Acute Toxicity:

Inhalation, LC50(mg/l): Not applicable

Ingestion(oral), LD50(mg/kg): No data available

Dermal, LD50(mg/kg): Not applicable

Eye irritation: No data available

Skin irritation: No data available

Skin sensitizer: No data available

Mutagenicity: negative (AMES test)

Local Effects: No data available

Chronic Toxicity or Long Term Toxicity: None

Carcinogenicity

IARC Monographs: Not listed

NTP(USA): Not listed

OSHA Regulated(USA): Not listed

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATION

Appropriate Methods of Disposal

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date:14-Jul-2014

Revised Date: 13-Jan-2016

15. REGULATORY INFORMATION

US Information

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

CERCLA(Comprehensive Environmental Response Compensation and Liability Act) :

None.

SARA Title III (Superfund Amendments and Reauthorization Act) 302 Extreme Hazardous Substance :

None.

311/312 Hazard Categories :

None.

313 Reportable Ingredients :

None.

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable

- Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable

- Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable

- Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council:

 - Annex XIV- List of Substances Subject To Authorization: Not applicable

 - Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.



Products Name: DRUM (PHOTOCONDUCTOR) DR313/DR313K

Prepared Date: 14-Jul-2014

Revised Date: 13-Jan-2016

16. OTHER INFORMATION

NFPA Hazard Rating: The National Fire Protection Agency(USA): Health: 0 Flammability: 1 Reactivity: 0

HMIS RATING: The National Paint and Coating Association(USA): Health: 0 Flammability: 1 Reactivity: 0

Recommended Uses: Photoconductor for Electrophotographic Equipment

Abbreviations:

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DFG-MAK: Maximale Arbeitsplatz-Konzentration by Deutsche Forschungsgemeinschaft

DGR: Dangerous Goods Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

H-Code: Hazard Code

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

NTP: National Toxicology Program

OEL: Occupational exposure limit

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative and Toxic

SARA: Superfund Amendments and Reauthorization Act

TSCA: Toxic Substances Control Act

vPvB: very Persistent and very Bioaccumulative

Revision Information: Regular revision on revised date.

Literature References:

ANSI Z400.1-1993

ISO 11014-1

Commission Directive 91/155/EEC

Restrictions:

The above information is believed to be accurate and represents the best information currently available to Our Corporation. However, Our Corporation makes no warranty with respect to such information, and Our Corporation assumes no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.


THE ECO DECLARATION



Ecma/TC38-TG3/2015/025
(Rev. 1 – 15 April 2015)

Annex B1 - Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	<i>Konica Minolta</i>	Logo  KONICA MINOLTA
Company name *	<i>Konica Minolta Inc.</i>	
Contact information * e-mail address		
Internet site *	<i>http://www.konicaminolta.com/index.html</i>	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<i>Multifunction Printer</i>
Commercial name *	<i>bizhub</i>
Model number *	<i>308</i>
Issue date *	<i>25 November 2016</i>
Intended market *	<input type="checkbox"/> Global <input type="checkbox"/> Europe <input checked="" type="checkbox"/> Asia, Pacific & Japan <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	<i>version 1.0</i>

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:

P9.1 PTEC, ETEC and display resolution
P12.1-P12.2 Ergonomic requirements.

Model number *	<i>bizhub 308</i>	Logo	
Issue date *	<i>25 November 2016</i>		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
P1 Hazardous substances and preparations				
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P2 Batteries				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3 Conformity verification & Eco design (ErP)				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is; <input type="checkbox"/> given in item P15 or added to this document, <input type="checkbox"/> available at (add URL):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P4 Consumable materials				
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0,01% (see legal reference and NOTE B1).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0,1% by weight (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5 Product packaging				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6 Treatment information				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	<i>bizhub 308</i>	Logo
Issue date *	<i>25 November 2016</i>	

Product environmental attributes - Market requirements (See General NOTE GN below)		Requirement met		
- Environmental conscious design		Yes	No	n.a.
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.			
P7	Design			
	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9.	Spare parts are available after end of production for: 7 years			<input type="checkbox"/>
P7.10	Service is available after end of production for: 7 years			<input type="checkbox"/>
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: <i>PC+PET</i> Material type: <i>PC+ABS</i> Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input type="checkbox"/> PCBs > 25 g <input type="checkbox"/> are low halogen as defined in IEC 61249-2-21. (See NOTE B2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: <i>FR(40)</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.17	<u>Alt. 1:</u> Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input type="checkbox"/> (See NOTE B3), Other; chemical name: , CAS #: <u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4: <i>FR(17)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	<u>Alt. 1:</u> Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: " <u>Alt. 2:</u> Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: <i>FR(16), FR(17), FR(40), FR(30+40)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 36 %. or b) The weight of recycled material is g.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	<i>bizhub 308</i>	Logo
Issue date *	<i>25 November 2016</i>	

Product environmental attributes - Market requirements (continued)	Requirement met
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Item	Yes	No	n.a.			
Material and substance requirements (continued)						
P7.21*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is 0.003 %. or b) The weight of the biobased plastic material is g.						
P7.22*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg						
P8 Batteries						
P8.1*			<input type="checkbox"/>			
Battery chemical composition: <i>Lithium Manganese dioxide</i>						
P9 Energy consumption (See NOTE B8)						
P9.1 For the product the following power levels or energy consumptions are reported:						
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for modes and test method *	energy	<input type="checkbox"/>
Sleep mode for ENERGY STAR® Operational Mode (OM) products	W	W	W			<input checked="" type="checkbox"/>
Standby/off mode for ENERGY STAR Operational Mode (OM) products	W	W	W			<input checked="" type="checkbox"/>
TEC value for ENERGY STAR TEC products (TEC= Typical Energy)	1.5 kWh/week	1.5 kWh/week	1.5 kWh/week	Energy star		<input type="checkbox"/>
Maximum	1500 W	1500 W	1580 W	Corporated Standard		<input type="checkbox"/>
Active (Printing)	540 W	520 W	540 W	RAL UZ-171		<input type="checkbox"/>
Ready	117 W	114 W	104 W	RAL UZ-171		<input type="checkbox"/>
Low power	33.2 W	31.8 W	31.6 W	RAL UZ-171		<input type="checkbox"/>
Sleep	0.5 W	0.5 W	0.6 W	RAL UZ-171		<input type="checkbox"/>
Plug-in off	0.0001 W	0.0002 W	0.0005 W	RAL UZ-171		<input type="checkbox"/>
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :						<input type="checkbox"/>
Print/Scan Speed * : 30 images per minute						<input type="checkbox"/>
Default time to enter energy save mode: minutes						<input type="checkbox"/>
P9.2*						<input checked="" type="checkbox"/>
Information about the energy save function is provided with the product.						<input type="checkbox"/>
P10 Emissions						
Noise emission – Declared according to ISO 9296 (See NOTE B9)						
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)			
	Idle	* Ready	* 4.4			<input type="checkbox"/>
	Operation	* Printing	* 6.8			<input type="checkbox"/>
	Other mode					
Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)						

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy Efficiency is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

Model number *	<i>bizhub 308</i>	Logo	
Issue date *	<i>25 November 2016</i>		
Product environmental attributes - Market requirements (continued)		Requirement met	
Item		Yes	No n.a.
Chemical emissions from printing products (See NOTE B10)			
P10.2*	Test performed according to ECMA-328 Determination of Chemical Emission Rates from Electronic Equipment (ISO/IEC 28360) <input type="checkbox"/> , other specify: <i>RAL UZ-171</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P10.3	Typical emission rate (operation phase) is (mg/h): Electrophotographic devices: Ozone <i>0.1</i> Dust <i>0.7</i> Styrene <i>0.2</i> Benzene <i><0.01</i> TVOC <i>2.7</i> Ink devices: Dust Styrene Benzene TVOC Note: compliance with maximum emission rates in eco labels to be declared in P14.		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
P11 Consumable materials for printing products			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN 12281.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P11.4*	The product is delivered to end-user with default auto-duplex enabled.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P13 Packaging and documentation			
P13.1*	Product packaging material type(s): <i>wood</i> weight (kg): <i>5.4</i> Product packaging material type(s): <i>paper</i> weight (kg): <i>5.4</i> Product packaging material type(s): <i>foamed PS</i> weight (kg): <i>0.4</i> Product packaging material type(s): <i>PE</i> weight (kg): <i>0.3</i> Product packaging material type(s): <i>formed PE</i> weight (kg): <i>0.04</i> Product packaging material type(s): <i>formed PP</i> weight (kg): <i>0.04</i> Product packaging material type(s): <i>metal</i> weight (kg): <i>0.03</i> Product packaging material type(s): <i>PP</i> weight (kg): <i>0.02</i> Product packaging material type(s): weight (kg):		
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: <i>70</i> %		<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>		<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
P14 Voluntary programs:			
P14.1	The product meets the requirements of the following voluntary program(s): ENERGY STAR® Criteria version: <i>ver.2</i> Date: <i>31.1.2014</i> Product category: <i>MFDs</i> Eco-label: <i>Blue Angel</i> Criteria version: <i>RAL UZ-171</i> Date: <i>July 2012</i> Product category: <i>Multi Function Device</i> Eco-label: Criteria version: Date: Product category:		
P15 Additional information (See NOTE B11)			
P10.1	<i>Sound Pressure Level (LpAm) : Idle= 27 dB, Operation= 50 dB</i>		
BTU (230v)	<i>30.5 BTU/h The figure is based on the TEC value of 1.5 kWh/week (=24h x 7days)</i>		
BTU (115v)	<i>30.5 BTU/h The figure is based on the TEC value of 1.5 kWh/week (=24h x 7days)</i>		

NOTE B10 A Guidance document on Chemical Emissions is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B11 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1
(EC) 1907/2006(REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7, P4.2
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
"REACH" Regulation (1907/2006), annex VII	P1.10
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1


THE ECO DECLARATION



Ecma/TC38-TG3/2015/025
(Rev. 1 – 15 April 2015)

Annex B1 - Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	<i>Konica Minolta</i>	Logo  KONICA MINOLTA
Company name *	<i>Konica Minolta Inc.</i>	
Contact information * e-mail address		
Internet site *	<i>http://www.konicaminolta.com/index.html</i>	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<i>Multifunction Printer</i>
Commercial name *	<i>bizhub</i>
Model number *	<i>368</i>
Issue date *	<i>25 November 2016</i>
Intended market *	<input type="checkbox"/> Global <input type="checkbox"/> Europe <input checked="" type="checkbox"/> Asia, Pacific & Japan <input checked="" type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	<i>version 1.0</i>

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:

P9.1 PTEC, ETEC and display resolution
P12.1-P12.2 Ergonomic requirements.

Model number *	<i>bizhub 368</i>	Logo	
Issue date *	<i>25 November 2016</i>		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
P1 Hazardous substances and preparations				
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P2 Batteries				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3 Conformity verification & Eco design (ErP)				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is: <input type="checkbox"/> given in item P15 or added to this document, <input type="checkbox"/> available at (add URL):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P4 Consumable materials				
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0,01% (see legal reference and NOTE B1).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0,1% by weight (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5 Product packaging				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6 Treatment information				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

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Product environmental attributes - Market requirements (See General NOTE GN below)		Requirement met		
- Environmental conscious design		Yes	No	n.a.
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.			
P7	Design			
	Disassembly, recycling			
P7.1*	Parts that have to be treated separately are easily separable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.9.	Spare parts are available after end of production for: 7 years			<input type="checkbox"/>
P7.10	Service is available after end of production for: 7 years			<input type="checkbox"/>
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: PC+PET Material type: PC+ABS Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.13	Insulation materials of internal electrical cables are PVC free.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all <input type="checkbox"/> PCBs > 25 g <input type="checkbox"/> are low halogen as defined in IEC 61249-2-21. (See NOTE B2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: FR(40)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.17	<u>Alt. 1:</u> Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) <input type="checkbox"/> , TBBPA (reactive) <input type="checkbox"/> (See NOTE B3), Other; chemical name: _____, CAS #: _____ <u>Alt. 2:</u> Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4: FR(17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.18	<u>Alt. 1:</u> Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: _____, CAS #: _____ (See NOTE B4) 2. Chemical name: _____, CAS #: _____ 3. Chemical name: _____, CAS #: _____ <u>Alt. 2:</u> Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: FR(16), FR(17), FR(40), FR(30+40)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; _____ and Hazard statements: _____ The source(s) for these classifications is/are found at (add URL(s)): _____, _____ (See NOTE B5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is 36 % . or b) The weight of recycled material is _____ g.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

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Product environmental attributes - Market requirements (continued)	Requirement met
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Item				Requirement met
				Yes No n.a.
Material and substance requirements (continued)				
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is 0.003 %. or b) The weight of the biobased plastic material is g.			<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg			<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P8 Batteries				
P8.1*	Battery chemical composition: <i>Lithium Manganese dioxide</i>			<input type="checkbox"/>
P9 Energy consumption (See NOTE B8)				
P9.1	For the product the following power levels or energy consumptions are reported:			
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *
Sleep mode for ENERGY STAR® Operational Mode (OM) products	W	W	W	<input checked="" type="checkbox"/>
Standby/off mode for ENERGY STAR Operational Mode (OM) products	W	W	W	<input checked="" type="checkbox"/>
TEC value for ENERGY STAR TEC products (TEC= Typical Energy)	1.9 kWh/week	1.8 kWh/week	1.8 kWh/week	<i>Energy star</i> <input type="checkbox"/>
<i>Maximum</i>	1500 W	1500 W	1580 W	<i>Corporated Standard</i> <input type="checkbox"/>
<i>Active (Printing)</i>	580 W	630 W	600 W	<i>RAL UZ-171</i> <input type="checkbox"/>
<i>Ready</i>	115 W	107 W	119 W	<i>RAL UZ-171</i> <input type="checkbox"/>
<i>Low power</i>	32.2 W	30.6 W	30.3 W	<i>RAL UZ-171</i> <input type="checkbox"/>
<i>Sleep</i>	0.5 W	0.5 W	0.6 W	<i>RAL UZ-171</i> <input type="checkbox"/>
<i>Plug-in off</i>	0.0002 W	0.0002 W	0.0009 W	<i>RAL UZ-171</i> <input type="checkbox"/>
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :				<input type="checkbox"/>
Print/Scan Speed * : 36 images per minute				<input type="checkbox"/>
Default time to enter energy save mode: minutes				<input type="checkbox"/>
P9.2*	Information about the energy save function is provided with the product.			<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
P10 Emissions				
Noise emission – Declared according to ISO 9296 (See NOTE B9)				
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)	
	Idle	* <i>Ready</i>	* 4.2 <input type="checkbox"/>	
	Operation	* <i>Printing</i>	* 6.9 <input type="checkbox"/>	
	Other mode			
	Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)			

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy Efficiency is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B9 A Guidance document on Acoustic Noise is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

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Product environmental attributes - Market requirements (continued)			Requirement met
Item		Yes	No n.a.
Chemical emissions from printing products (See NOTE B10)			
P10.2*	Test performed according to ECMA-328 Determination of Chemical Emission Rates from Electronic Equipment (ISO/IEC 28360) <input type="checkbox"/> , other specify: <i>RAL UZ-171</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P10.3	Typical emission rate (operation phase) is (mg/h): Electrophotographic devices: Ozone <i>0.1</i> Dust <i>0.7</i> Styrene <i>0.2</i> Benzene <i><0.01</i> TVOC <i>2.7</i> Ink devices: Dust Styrene Benzene TVOC Note: compliance with maximum emission rates in eco labels to be declared in P14.		<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
P11 Consumable materials for printing products			
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN 12281.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P11.4*	The product is delivered to end-user with default auto-duplex enabled.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P13 Packaging and documentation			
P13.1*	Product packaging material type(s): <i>wood</i> weight (kg): <i>5.4</i> Product packaging material type(s): <i>paper</i> weight (kg): <i>5.4</i> Product packaging material type(s): <i>foamed PS</i> weight (kg): <i>0.4</i> Product packaging material type(s): <i>PE</i> weight (kg): <i>0.3</i> Product packaging material type(s): <i>formed PE</i> weight (kg): <i>0.04</i> Product packaging material type(s): <i>formed PP</i> weight (kg): <i>0.04</i> Product packaging material type(s): <i>metal</i> weight (kg): <i>0.03</i> Product packaging material type(s): <i>PP</i> weight (kg): <i>0.02</i> Product packaging material type(s): weight (kg):		
P13.2*	Product plastic primary packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: <i>70</i> %		<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>		<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
P14 Voluntary programs:			
P14.1	The product meets the requirements of the following voluntary program(s): ENERGY STAR® Criteria version: <i>ver.2</i> Date: <i>31.1.2014</i> Product category: <i>MFDs</i> Eco-label: <i>Blue Angel</i> Criteria version: <i>RAL UZ-171</i> Date: <i>July 2012</i> Product category: <i>Multi Function Device</i> Eco-label: Criteria version: Date: Product category:		
P15 Additional information (See NOTE B11)			
P10.1	<i>Sound Pressure Level (LpAm) : Idle= 24 dB, Operation= 51 dB</i>		
BTU (230v)	<i>36.6 BTU/h The figure is based on the TEC value of 1.8 kWh/week (=24h x 7days)</i>		
BTU (115v)	<i>36.6 BTU/h The figure is based on the TEC value of 1.8 kWh/week (=24h x 7days)</i>		

NOTE B10 A Guidance document on Chemical Emissions is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

NOTE B11 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1
(EC) 1907/2006(REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7, P4.2
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
"REACH" Regulation (1907/2006), annex VII	P1.10
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1