SHARP®

MX-B350W   MX-B450W

BLI BUYERS LAB
RELIABILITY 2018–2021

*"Most Reliable Monochrome
Copier MFP Brand 2018–2021"*

The MX-B350W and MX-B450W multifunction desktop monochrome document systems offer a compact design with easy to use features that will exceed your expectations.

advanced

The MX-B350W and MX-B450W Essentials Series desktop document systems deliver output speeds up to 35 ppm and 45 ppm respectively, and include out-of-the-box copying, network printing, network scanning and faxing capabilities. These models also offer a compact footprint and wireless networking capability, making them suitable for virtually any size office environment. Both models deliver a low cost per page, making them a great choice for cost-conscious businesses.

Key Features

- **Productive** – Delivers essential features for business environments, including network printing, network scanning, faxing, USB direct printing, and mobile device printing using Sharpdesk® Mobile.

- **Versatile** – A compact design combined with wireless networking capability makes it easy to place the MX-B350W and MX-B450W in both large and small offices.

- **Economical** – The MX-B350W and MX-B450W comply with the latest ENERGY STAR® standards, making them economical to use.

**OUT-OF-THE-BOX
PRODUCTIVITY**

**VERSATILE
DESIGN**

**ECONOMICAL
OPERATION**

Additional features to help your business gain the competitive advantage.

- **Standard** copy, print, scan and fax functionality out of the box

- **Compact design** easily fits into small office spaces in desktop or console configuration

- 50-sheet reversing single pass feeder **scans up to 40 images per minute**

- Offers up to three paper sources with available **1,150-sheet maximum paper capacity**

- **50 sheet bypass tray** for envelopes, labels and specialty media

- Productive **printing and copying: up to 35 ppm (MX-B350W) and 45 ppm (MX-B450W)**

- **Standard** PostScript® 3™ and PCL® 6 printing capabilities

Easy-to-use 5-line LCD operation panel

- Front **USB** port for **easy direct printing** of PDF files from memory devices

- **600 x 600 dpi** printing delivers clear, crisp images and text page after page

- Sharpdesk Mobile app enables **printing from or scanning to** mobile devices such as smart phones and tablets

- **ID Card Copy** function quickly copies both sides of an ID card on a single page

- **Standard wireless** networking capabilities or easy placement and setup

Front USB port for easy direct printing of files from memory devices, including PDFs.

Main Specifications

MX-B350W/B450W	Base models include multitasking controller, 50-sheet RSPF, auto duplexing, 1 x 500-sheet paper drawer, 50-sheet bypass tray. Starter toner and full black developer is included.
Type	Desktop monochrome multi-function document system
Display	5-line LCD Panel
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drum/roller fusing/white LED exposure
Originals	Sheets and bound documents
Max. Original Size	8½" x 14"
Output Size	Min 5½" x 14", Max 8½" x 14"
Multiple Copy	Max. 999 pages
Copy Speed	35/45 ppm

First Copy Time (in seconds)*		MX-B350W	MX-B450W
	Platen Glass	9.0	8.5
	Doc. Feeder	9.5	9.0

Warm Up Time	29 seconds
Magnification	25% to 400% on platen (with document feeder 25%-200%)
Original Feeder	50-sheet RSPF
Scan Speed	Copy: Up to 40 ipm (B&W) Scan: Up to 40 ipm (B&W), 13 ipm (color)
Paper Capacity	Standard 550 Sheets/Maximum 1,150 Sheets
Paper Feed System	Standard: (1) 500-sheet paper drawer (letter/statement size) System and 50-sheet bypass tray (letter/legal/statement/envelope size). Optional: 600-sheet drawer (letter/legal).
Paper Weights and Types	Paper drawers: 16 lb. bond to 28 lb. bond. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper. Bypass tray: 16-28 lb. bond (plain paper), 13-16 lb. bond (thin paper), 28 lb. bond-80 lb. cover (heavy paper), 20-24 lb. bond Monarch/Com-10 envelope. Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film.
Duplexing	Standard automatic duplex copying/printing
CPU	Up to 800 Mhz multi-processor design
Interface	RJ-45 Ethernet (10Base-T, 100Base-TX, 1000Base-T), Wireless (IEEE802.11 n/g/b), USB 2.0 (1 host ports, front), USB 2.0 (1 device port, rear)
Memory	Standard 1 GB copy/print shared
Copy Resolution	Up to 600 x 600 dpi
Exposure Control	Modes: Text, Text/Print Photo, Photo. Settings: Auto or 5 step manual Halftone 256 gradations / 2 level monochrome
Copy Features	Scan-Once Print-Many, electronic sorting, Auto Tray Switching (ATS), centering, ID Card Copy, Sharpness, 2-in-1 / 4-in-1 multi shot
Account Control	Up to 30 users. Supports user-number authentication
Firmware Management	Firmware can be updated by USB memory
Device Setup	Web-based management/cloning with user/admin level login
Service/Functions	Remote access to service logs and click counts
Accessibility Features	Section 508, concave key, operation position, BEEP sound on standard values, adjustment of key touch speed, adjustment of key touch sound, key repeat disable, screen timeout disable, adjustment of key touch sound, job program, universal handle accessibility support of status LED
Environmental Standards	International ENERGY STAR Program Ver. 2.0, European RoHS,
Power	AC 120 VAC, 60 HZ, 15 A receptacle
Power Consumption	1.44kW
Weight	Approx. 64 lbs.
Dimensions	Approx. 19 ³/₈" (w) x 20 ³/₈" (d) x 22 ¹/₁₆" (h)

Network Printing System

PDL	Standard PCL 6, PostScript 3 compatible
Resolution	600 x 600 dpi
Print Speed	35/45 ppm (8½" x 11")
Print Drivers	Windows Server® 2008, Windows Server® 2008 x64, Windows Server 2012 x64, Windows 7, Windows 7 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64, Windows Server 2016 x64, MAC OS X® (including 10.6 to 10.13)
Features	Windows cluster print, ROPM, duplex printing, driver delivery functions, toner save mode, electronic sorting, N-up printing, image rotation, watermarks, job retention
Direct Printing File Types	TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF (without password only), PostScript
Direct Print Methods	FTP, USB memory, webpage, email and network folder
Resident Fonts	80 outline fonts (PCL), 136 fonts (PS)

Main Specifications (continued)

Network Interface	RJ-45 Ethernet, 10 Base-T/100 Base-TX /1000 Base-T, USB 2.0, wireless
Operating Systems	Windows Server 2008, 2012 & 2016, Windows Systems 7, Windows 8, Window 10 Mac OS (X10.6 – 10.13)
Network Protocols	TCP/IP (IPv4, IPv6), USB 2.0
Printing Protocols	LPR, IPP, Raw TCP (port 9100) and FTP
Network Security	IP/MAC address filtering, protocol filtering, port management and user authentication
Mobile Device Access	Supports Sharpdesk Mobile software, a free downloadable app for mobile products such as iPad®, iPhone®, Android™, Windows® 10, 8.1 or Windows RT 8.1 devices. For supported versions, please visit www.sharpusa.com

Network Scanning System

Scan Modes Standard	Color, monochrome, grayscale
Max. Original Size	8½" x 14"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Formats	Monochrome TIFF, PDF Color Grayscale/Color TIFF, JPEG, PDF
Image Compression	Monochrome Scanning Uncompressed, G3 (MH), G4, (MR/MMR) Color/Grayscale JPEG (high, middle, low)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Super G3 fax
One-touch Destinations	Up to 100 (email address only)
Group Destinations	Up to 300 (email address only)
Programs	2
Network Protocols	SMTP/FTP (TCP/IP)
Network Security	User authentication with LDAP and Active Directory

Super G3 Fax

Transmission Mode	Super G3, G3
Modem Speed	33.6 KBPS[2]
Compression Methods	MMR, MR, MH, JBIG
Scanning Method	Sheet fed simplex or duplex or book
Max. Resolution	Approx. 206 x 391 dpi
Transmit Speed	Approx. less than 3 seconds
Auto Dialing	Up to 300
Group Dial	Up to 100
Inbound Fax Routing	SMB
Memory	64MB (built-in)
Halftone	256 levels

Optional Equipment

MX-DS22	High Stand
MX-DS23	Low Stand
MX-CS14	600-sheet Paper Feed Unit

Supplies

MX-B45NT	Toner Cartridge
MX-B45NV	Developer
MX-B45DU	Drum Unit

* May vary depending on product configuration, machine settings and operating and/or environmental conditions.