Get Security and Full Colour from This Compact, Document-Savvy Performer
Better Document Performance, Better Business

With speed for added productivity, full colour for enhanced communication, and built-in security features for total peace of mind, the MX-3114N/2614N is a must-have for any office looking to build its business.

This full-colour A3 solution packs the four-in-one convenience of fast, high-quality copying and network printing, handy network scanning, and a B/W fax option into one energy- and space-saving MFP. For operational efficiency, there’s a high-speed 100-sheet Reversing Single Pass Feeder, an optional 500 + 2,000-sheet large-capacity paper tray, and the Sharp OSA (Open Systems Architecture) development platform. To safeguard office communications, standard-equipped security functions* provide encrypting/erasing of internally stored data, and the Data Security Kit option brings added protection.

* Contact a Sharp customer representative for details on activating these security functions.

Style, Function, and Ease of Use

The MX-3114N/2614N was designed to complement the décor of any workplace. And a 7.0-inch WVGA touchscreen colour LCD—with thumbnail displays and data file previews—raises the bar on user friendliness and easy navigation. A retractable QWERTY keyboard option offers added convenience.

Choice of Screen Style

The MX-3114N/2614N offers a choice of six LCD screen colours. While the default colour is black, users can easily select their preferred background style.
**Breathtaking Image Quality**

Sharp’s second-generation Mycrostoner-HG (High Grade) and an improved imaging system combine to allow the full spectrum of colour reproduction in crisp, sharp detail. And because the MX-3114N/2614N is so easy to operate, breathtakingly high-quality images can be had with just the touch of a finger.

**2nd-Generation Mycrostoner-HG**

**Auto Colour Mode**

![Auto Colour Mode](image)

**Colourful Flower Arrangement**

- Original
- Copy

**Sharpdesk Mobile—Keeping Pace with the Way You Work**

As document demands increasingly move from out behind the desk to wherever business takes you, **Sharpdesk Mobile**—an easy-access mobile print/scan application that connects Sharp MFPs to popular mobile devices via a wireless LAN connection—can help you keep pace. Documents scanned on a Sharp MFP can be sent to a mobile device to preview and save. And documents saved on a mobile device can be printed out on the MFP, sent as e-mail attachments, or used in other applications. By combining the efficiency of Sharp MFPs and the convenience of mobile devices, Sharpdesk Mobile is adapting document usage to today’s changing work styles.

* For details, see the Sharpdesk Mobile support Web site: http://sharp-world.com/products/copier/docu_solutions/mobile/sharpdesk_mobile/
**PRODUCTIVE**

### Super-Efficient Colour and B/W Output

The tandem printing engine with four in-line drums helps the MX-3114N/2614N deliver a fast output of 31/26 cpm/ppm* in full colour and in B/W. And the first copy comes out in just 7.9/8.1 seconds in full colour and 5.8/5.9 seconds in B/W. What's more, its short, straight paper path minimises misfeeds to save you paper and toner costs.

* A4 (8 1/2" x 11"), long-edge feeding

### Automated Finishing

The MX-3114N/2614N automates time-consuming finishing tasks and makes it easy to create professional-looking booklets. For a consistent, polished look, the chapter divide function prints documents so that all chapters begin on odd-numbered pages or all begin on even-numbered pages. A space-efficient Finisher is available for jobs that require sorting and stapling. And, an optional Punch Module allows you to punch holes in documents for easy filing.

### Built-In Duplex Module

The MX-3114N/2614N can make two-sided copies and printouts using its built-in stackless duplex module, effectively reducing paper costs as well as saving filing space. Duplex copying is even more effective when the duplex module is used together with the standard-equipped 100-sheet RSPF (reversing single pass feeder), which efficiently feeds in one- or two-sided originals and can also simultaneously scan paper of different sizes.

### Extra Paper Capacity

For high-volume work, the MX-3114N/2614N can accommodate an optional stand with 500 + 2,000-sheet paper drawer for a total capacity of 3,100 sheets. When a tray runs out of paper, the Auto Tray Switching function automatically switches to another paper tray filled with the same size paper, allowing you to do extra-large volume jobs without worry.

### Job Build for Large-Volume Scanning

The MX-3114N/2614N easily handles large-volume copy jobs exceeding the RSPF’s 100-sheet capacity. For example, a 270-sheet original can be scanned as batches of 100 + 100 + 70 sheets and automatically stored on the MX-3114N/2614N’s hard disk*. Users can then print the entire document in a single run.

*1: A4 (8 1/2" x 11”), 80 g/m²
*2: The number of pages that can be stored for the Job Build function depends on the machine’s HDD capacity and other conditions.

### Long-Paper (Banner) Printing*

The optional Long Paper Feeding Tray accommodates extra-long paper up to 1,200 mm—expanding the range of print products to include panoramic pictures, large display-window ads, banner signs, and more.

* Contact a Sharp customer representative for details on using this function.

### Proof Copying or Printing

To prevent the waste of large-volume misprints, the MX-3114N/2614N lets users output only the first set to check the content, adjust settings if necessary, and then initiate output of the rest of the job from the LCD control panel.

**NETWORK-READY**

### Supports Most Office Environments

- The MX-3114N/2614N works with the latest and most commonly used versions of Windows®, Windows Server®, and Mac operating systems and network protocols—including IPv6—even in mixed OS environments. You get fast, powerful network printing via the 1000Base-T Gigabit Ethernet standard.
- The MX-3114N/2614N supports the PCL6 printer language. For compatibility with PostScript 3, the MX-PK11 FS3 Expansion Kit is available.
**SUPERB IMAGE QUALITY**

**Improved Imaging System**

Sharp thoroughly revamped its imaging process for the MX-3114N/2614N, now a high-performance processor, a new developer, and the second-generation Mycrostoner-HG (High Grade) combine to provide breathtaking image quality. The new toner expands the colour reproducibility range for a more natural rendering of clear blue skies, emerald green oceans, and other colour images. And the smaller particle size of the toner and the developer allows for reduced graininess and clear reproduction of fine lines, fine text, and halftone colours.

**Crisp, Clear Text and Images**

Employing digital smoothing technology enhances the print resolution to the equivalent of 9,600 x 600 dpi for incredibly smooth reproduction of fine lines. Fine-grained photographs, detailed illustrations and graphs, and small text come out crisp and clear.

**VERSATILE**

**USB Memory Direct Print**

One of the two USB ports on the MX-3114N/2614N is located at the front of the MFP beneath the control panel. It comes in handy when printing data directly from USB memory devices—an indispensable function for users who are in a hurry or who want quick machine access without a PC.

*1: Direct PDF printing requires optional MX-PK11. Direct XPS printing requires optional MX-PUX1 and 2GB of extra memory.

**Versatile Paper Handling**

The MX-3114N/2614N accommodates a wide range of paper sizes, from A5R (5 1/2" x 8 1/2") to A3 wide (12" x 18"). You can do A3 (11" x 17") full-bleed printing onto A3-wide (12" x 18") paper, without loss of image area. And the MX-3114N/2614N can handle heavy paper stock up to 300 g/m², overhead transparencies, and other types of paper, further expanding the range of printing applications.

**Image Editing Functions**

The MX-3114N/2614N includes colourful editing functions made possible by digital technology.

- **Photo Repeat** places multiple copies of an image onto a single sheet.
- **Mirror Image** makes a reverse image of the original.
- **XY Zoom** adjusts the horizontal and vertical ratios independently.
- **B/W Reverse** reverses the black and white of an image.

Please see specifications for a list of available convenient functions.

**Easy, High-Quality Copying**

Built to deliver automated, high-quality copying, the MX-3114N/2614N can reproduce maps with crisp, clear text and can remove unnecessary background colour from newspaper and magazine copies. Here’s how it works: **Auto Colour Mode** analyses the contents of each page to distinguish between different components, such as photos and text, and then selects the appropriate copy mode for that page. **Auto Colour Selection** automatically determines whether a page is colour or B&W and then copies that page accordingly. And **Auto Exposure** automatically removes unnecessary background colour for clearer output.

**Auto Colour Mode**

Text comes out crisp and clear, and unnecessary background colour is automatically removed.

**Other Key Features**

**Copy & Print**

- **Watermark** prints a user-selected watermark, such as “Urgent,” on each page to indicate the status of the document.
- **Tab Copy / Tab Print** can copy or print directly onto tabs on document separators and insert them into assigned positions.
- **Multi-Shot** copying and N-up printing
- **Pamphlet Style** copying/printing
- **Multi-Page Enlargement** copying/printing
- **Cover/opacity** insertion

**Print**

- **Direct Print** allows PDF*, TIFF, JPEG, or XPS* files to be printed without using the printer driver or opening applications.
- **Carbon Copy Print** mode automatically outputs multiple printouts of the same data on plain and/or coloured paper; convenient for invoices and purchase orders.
- **Form Overlay** can store office document formatting such as letterheads and overlay contents in colour, eliminating the need for pre-printed paper.
- **Barcode font compatibility**


**Copy**

- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
- **Card Shot** enables one-touch copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.
- **Colour Stamp** labels your copies with page numbers, the date or text such as “Urgent” in up to four different colours.
- **Mixed Size Original Copy** mode automatically distinguishes documents of mixed sizes* (such as A3/B4, B4/A4, etc.) fed through the RSPF and chooses the appropriate paper.

* Some restrictions apply when combining paper sizes of different format series.
A3 Colour Network Scanning

The MX-3114N/2614N works as a full-colour network scanner and supports TIFF, PDF, encrypted PDF, XPS, JPEG, and PDF/A file formats. Converting any type of paper-based document, up to A3 (11” x 17”) in size, into an editable digital file is as easy as making a copy. Enhanced scan performance improves the legibility of extremely fine text and allows vivid colour reproduction in scanned documents. And Auto Colour Selection chooses the right mode for scanning originals containing both colour and B/W pages (see page 4).

Quick Scanning

For both colour*1 and B/W documents, the MX-3114N/2614N carries out scanning at 50 opm*2 (originals per minute) and can complete large scan jobs with ease and efficiency.

*1: Faxing is available in B/W only.  
*2: Single-side scanning

Skip Blank Page Function

When scanning and sending a multi-page document, the MX-3114N/2614N automatically recognises and skips over any pages without content, reducing both data size and transmission time.

Multiple Distribution of Scanned Files

With the touch of a few on-screen buttons, you can choose different ways to distribute your scanned documents. Scan to E-mail sends documents as an e-mail attachment. Scan to FTP Server scans documents directly to an FTP server for storage. Scan to Desktop sends scanned documents directly to your PC desktop. Scan to Network Folder (SMB) sends files to a shared folder on a networked Windows PC. Scan to USB Memory scans documents directly to USB memory devices. And Scan to Fax enables conventional faxing or Internet faxing.

High-Speed Faxing

The optional MX-FX11 Fax Expansion Kit turns the MX-3114N/2614N into a 33.6 Kbps Super G3 fax machine. Quick On-Line Transmission initiates dialling and transmitting as soon as a page is scanned into memory. JPEG compression technology lets the MX-3114N/2614N send an A4 (8 1/2” x 11”) size page in under three seconds*. And using the 100-sheet RSFP gives faxing efficiency a further boost. Incoming faxes are also handled with automated ease. The number of copies to be made can be specified on the LCD control panel’s Fax Output setting, and optional finishing options can be installed for automatic stapling of those copies.

* Based on Sharp’s standard chart with approximately 700 characters (A4 or 8 1/2” x 11” long-edge feeding) at standard resolution.

PC-Fax/PC-Internet Fax

Directly send a document created on your PC to a recipient’s fax machine via a phone line or the Internet without printing to paper. Save time and paper costs while retaining original document quality. Note: PC-Internet Fax requires optional MX-FWX1; PC-Fax requires MX-FX11.

Internet Fax

Economically send and receive faxes to and from other ITU-T T-37-compliant Internet fax machines via the Internet. The MX-3114N/2614N supports Direct SMTP: outgoing Internet faxes do not go through your mail server, making transmission faster and cheaper.

Note: Requires optional MX-FWX1.

Paperless Faxing with Inbound Routing

Paperless faxing with inbound routing lets you check incoming faxes via e-mail before printing. It can also forward incoming faxes to another fax/Internet fax machine, an FTP server, a network folder (SMB), or a PC desktop. Files can be saved in either PDF or TIFF (single/multi).

Other Key Features

Scan & Fax

- One-touch auto dial keys register up to 1,000 numbers for frequently used destinations
- Broadcast transmission to up to 500 destinations
- Program keys (up to 48 keys) are available to set up frequently used transmissions for instant recall
- Easy text entry* lets you enter addresses, file names, subject titles or messages from the LCD control panel

Fax

- Duplex transmission/reception sends and prints out two-sided documents
- SD memory card backup ensures documents remain safely backed up in memory, even in the event of a power failure
- Rotation transmission/reception rotates incoming and outgoing faxes to match the direction of the printing paper
- Fax destination confirmation allows users to reconfirm fax numbers before sending to prevent transmission errors

LDAP Support

Built-in LDAP (lightweight directory access protocol) support eliminates the need to enter or register full addresses. By entering the first few letters of the recipient’s name, the MX-3114N/2614N displays a list of possible matches from your company’s LDAP server. Selected addresses can be stored to the MX-3114N/2614N’s address book.
Industry-Leading Multi-Layered Security

Designed to protect your business assets and bring you peace of mind, Sharp’s industry-leading security solutions employ multiple levels of security functions—both standard equipped and optional—covering a broad range of network and data security needs. The MX-3114N/2614N safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

STANDARD

Data Encryption and Overwriting

Digital copier/printers and MFPs retain large amounts of data generated from copy/print/scan/fax jobs in internal storage. To safeguard confidential data from unauthorised access, standard-equipped security features on the MX-3114N/2614N automatically encrypt job data prior to saving it to internal storage. Once a job is finished, that encrypted data is erased via up to seven automatic overwrites. Protection of administrator/folder passwords brings further peace of mind.

Note: Contact a Sharp customer representative for details on activating these security functions.

Secure Network Access

The IP/MAC address filtering function provides highly secure operation by restricting access to the MFPs on your office network. Only PCs that have either their IP address or MAC (media access control) address registered are allowed to use the MFPs.

User Authentication

The MX-3114N/2614N prevents unauthorised use by requiring passwords for machine access. This safeguarded solution can register up to 1,000 users in three access levels as Administrator, User, or Guest and can designate to which function user authentication applies. The MX-3114N/2614N can, for example, be set to allow B/W copying by all users while restricting colour copying to designated users. And the MX-3114N/2614N works with an external Active Directory server to extend user authentication to multiple MFPs and a greater number of users.

Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential data, the MX-3114N/2614N enables scanned PDF data to be password protected and encrypted for transmission over the network. After transmission, viewers can gain access to the encrypted PDF only after re-entering the password.

Secure Sockets Layer

SSL (secure sockets layer) enables the encryption of data communications to prevent data leakage through the network when printing via IPP, browsing secure Web pages (HTTPS), or communicating via e-mail (SMTP and POP3) or FTP (FTP).

Scan to Me Function

Scan to Me lets a logged-in authorised user send scanned data to his/her own e-mail address simply by pressing the start button. This eliminates the need to manually enter or select the address, thereby preventing documents from being sent to the wrong address.

OPTION

IPv6 and IPsec Support

The MX-3114N/2614N supports the IPv6 Internet protocol. An obligatory part of IPv6 is IPsec (IP Security), a set of protocols for securing Internet protocol (IP) communications. IPsec encrypts and authenticates traffic between specified parties, giving IPsec-compatible products an extremely high level of network security.

Data Initialisation

The MX-3114N/2614N’s initialisation function allows confidential information to be erased at the administrator’s discretion via the MFP’s system setting. Initialising an MFP when it’s time to replace it prevents important resources, such as customer information and intellectual property, from leaking out and provides considerable peace of mind.

Document Control Function

Document Control prevents unauthorised copying, scanning, faxing, and filing of confidential documents by embedding copy prevention data onto a document. When that data is detected, any unauthorised attempts to copy will be cancelled or will result in only blank-page output.

Note: Requires optional Data Security Kit. May not work for certain types of documents or paper.
DOCUMENT MANAGEMENT

Document Management on the Hard Disk
You can save processed job data in designated folders on the MX-3114N/2614N's built-in hard disk, making it easy to instantly recall saved documents or jobs for printing and sending at a later time. This contributes greatly to efficient sharing and distribution of information in your business operations.

Quick Filing
Up to 10,000 pages or 1,000 files*1 that have been copied, printed, scanned, or faxed*2 can be stored by job in a Quick File Folder. You can easily reuse saved data without having to reload or rescan the original.

Advanced Filing Function
Up to 20,000 pages or 3,000 files*1 that have been copied, printed, scanned, or faxed*2 can be stored by job on the hard disk in up to 1,000 folders with customised names and locations. Enhanced security features require users to enter a 5- to 8-digit password to access secure folders, protecting your sensitive data. Storage options include Main Folder for workgroup sharing and Custom Folder for enhanced-security archiving.

Easy Access to Stored Files
Documents stored on the hard disk can be quickly and easily searched and accessed from the control panel's LCD via thumbnail displays and file previews or through a Web browser.

Easy Sharing of Application Files
To facilitate file sharing across the office network, the MX-3114N/2614N provides 120GB of hard disk storage space for folders. Each folder can hold up to 500 files created with applications such as Word and Excel® and saved in their original format.

Sharpdesk for Total Document Management
Sharpdesk is an original Sharp application that provides integrated desktop management of documents in over 200 file formats, including scanned paper-based documents and those created with popular applications such as Word. It allows you to organise, edit, search, and distribute your documents, all with simple drag-and-drop operation.

- Intuitive desktop display features thumbnail viewing
- Sharpdesk Imaging provides annotation tools for paper-free proofreading
- Sharpdesk Composer combines different types of files into a single document
- Optical character recognition converts documents into editable text files
- Output zone distributes files to e-mail, printers, and other applications
- File search allows searching by file name, keyword, or thumbnail

Sharp OSA Network Scanner Tool
This client-based scan-to-desktop option is the ideal document management system for small workgroups or offices that don't have servers. Sharp OSA Network Scanner Tool provides centralised scan/print user profiles to give everyone in the office easy one-touch scanning to their PC from any networked MFP—without complicated settings. Scanned documents can be quickly and easily printed, filed, previewed, shared, and stored to save time and improve document workflow. And Sharp OSA Network Scanner Tool automatically names PDF files based on scanned-document titles and can convert scanned documents into text with the OCR engine to create searchable PDF files.

Note: Requires optional MX-AMX2.
Web-Based System Settings

Administrators can manage every important setting—including user access and security as well as other controls and configurations—through a standard Web browser right from their desktops.

Network Utility Software

Sharp Remote Device Manager* (SRDM) gives administrators centralised, real-time control of their networked MFPs through a standard Web browser, making device cloning, firmware updates, and everything else easier and more accessible.

Remote Diagnosis

The MX-3114N/2614N can be monitored remotely through a Web browser, letting administrators handle tasks before they become problems. And when action or maintenance is required, the E-Mail Status and Alert function notifies administrators via timely e-mail alerts.

Remote Operation

The Remote Operation function lets you display the MFP's main control panel on your PC screen, allowing you to operate every major function directly from your desktop.* This function also enables the administrator to guide an MFP user through necessary procedures and allows remote MFP operation from a wheelchair.

* Requires VNC application.

Device Cloning

Machine settings can be copied conveniently to another MX-3114N/2614N via a Web browser in XML format, making it easy to clone machines in a networked environment. With Device Cloning, the administrator no longer needs to set up individual machines one by one, thereby making his/her job a lot easier.

EXPANDABILITY

Sharp OSA (Open Systems Architecture)

Innovative Sharp OSA* technology allows you to interact with critical business and network applications right from the LCD control panel, offering a new realm of control and convenience. And since Sharp OSA utilises industry-standard network protocols, the MX-3114N/2614N can easily integrate with document management systems, enterprise resource planning software, workflow applications, and more. The latest version of Sharp OSA can reach beyond the firewall, enabling extensive system construction and services over the Internet. Sharp OSA brings benefits such as reducing the costs associated with system implementation and management, as well as enabling data sharing across company branch offices or subsidiaries.

* Requires optional MX-AMX2 and/or MX-AMX3.

Sharpdesk Mobile*

Sharpdesk Mobile is a mobile print/scan application that combines the convenience of mobile devices and the efficiency of Sharp MFPs to make conducting business on the go easier than ever. Documents scanned on a Sharp MFP can be sent to a mobile device to preview and save. Documents saved on a mobile device can be printed out on the MFP, sent as e-mail attachments, or used in other applications.

* Availability varies by country/region. For details, see the Sharpdesk Mobile support Web site: http://sharp-world.com/products/copier/docu_solutions/mobile/sharpdesk_mobile/
7.0-Inch Touchscreen LCD
The MX-3114N/2614N features a logically designed control panel with a wide, clear, WVGA-resolution touchscreen LCD. Easy-to-follow guidance puts step-by-step instructions on the LCD to guide you through all the necessary procedures for staple/sort finishing, pamphlet making, and other functions. Pushing the Home button, even in the middle of an operation, takes you back to the Start screen. Programming the most frequently used functions and settings into My Menu gives you quick and easy access to them. And using the included stylus pen provides controlled, accurate touch-screen operation.

Retractable Keyboard (option)
A full-size retractable QWERTY keyboard slides out from beneath the control panel to make text input fast and easy: convenient for typing things like e-mail addresses and messages, as well as passwords for user authentication.

Easy-Grip Handles
Easy-grip handles on the MX-3114N/2614N reflect a universal design that allows the paper drawers to be grasped from the top as well as the bottom for easy opening and closing.

Thumbnail Display and Previews
Making the search for files easier and more convenient than ever, thumbnails and up-close previews of Document Filing data files, as well as conventional file names, can be displayed on the MX-3114N/2614N’s LCD control panel. And to help users decide which documents to print out or forward to others, the LCD can also display thumbnails and previews of incoming faxes and Internet faxes. The MX-3114N/2614N even prevents errors in copying, scanning, or saving documents to its hard disk by showing previews of those jobs on the LCD before actually executing them, making it easy to confirm finishing options, scan settings, and other such items.

Job Status Screen
Whether printing or copying, the control panel displays a list of all jobs, showing you at a glance the jobs in progress and the position of your job in the queue. And, with a few quick touches of the LCD screen, the Priority Printing function lets you easily change the job queue order or delete jobs that are no longer needed.

Environment-Friendly
Outstanding Energy Efficiency
To reduce power consumption, Sharp has applied its advanced technologies across all areas of this MFP, including the hardware, software, electrical system, and supplies. As a result, the MX-3114N/2614N boasts one of the lowest power consumption rates in its class.

- Sharp’s belt fusing system shortens the MX-3114N/2614N’s warm-up time to 18 seconds, contributing to reduced overall energy consumption.
- Based on prior usage patterns, the MX-3114N/2614N automatically determines the optimal length of time to let elapse before going into auto power shut-off mode, helping reduce overall power consumption.
- Power ON/OFF Schedule function automatically turns the MX-3114N/2614N on or off according to time schedules set by the administrator.
- Eco Scan function saves energy by turning off power to the fusing system during jobs that don’t require any printing, such as Image Sending and Document Filing.
- Second-generation Mycrostoner-HG has a lower melting point than conventional toner, allowing fusing to be carried out with less energy. It also offers a significantly lower consumption rate than conventional toner.
- For further energy savings, energy-efficient LED lamps are employed in the scan unit in place of conventional xenon lamps. A new ASIC (application-specific integrated circuit) also helps the MX-3114N/2614N deliver excellent performance and energy efficiency.
- The time interval after which the MFP will go into auto power shut-off mode can be temporarily extended via the control panel.
System Configuration

Specifications for Options

**MX-FN17 Finisher**

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<thead>
<tr>
<th>Paper size</th>
<th>Non offset</th>
<th>Offset/staple</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 to A5 (11&quot; x 17&quot; to 5 1/2&quot; x 8 1/2&quot;)</td>
<td>A3 to ASR (12&quot; x 18&quot; to 5 1/2&quot; x 8 1/2&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**Paper capacity**

- 300 sheets (A4 or larger)
- 150 sheets (B4 or larger)
- 200 sheets (B5 or smaller)
- 50 sheets (A5R or smaller)

<table>
<thead>
<tr>
<th>Stapling capacity</th>
<th>Staple position</th>
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</thead>
<tbody>
<tr>
<td>3 locations (front, rear or both)</td>
<td>3 locations (front, rear or both)</td>
</tr>
</tbody>
</table>

**Punch Modules**

<table>
<thead>
<tr>
<th>Model name</th>
<th>For the MX-FN17</th>
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</thead>
<tbody>
<tr>
<td>MX-PN11A/1B/1C/1D</td>
<td>MX-FW1X</td>
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</tbody>
</table>

**Paper Drawer**

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Paper capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 to A5 (11&quot; x 17&quot; to 5 1/2&quot; x 8 1/2&quot;)</td>
<td>500 sheets (80 g/m²)</td>
</tr>
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</table>

**MX-FX11 Fax Expansion Kit**

<table>
<thead>
<tr>
<th>Compression method</th>
<th>Communication protocol</th>
<th>Modem speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3/HJ/M/M/B/G/B/C/G</td>
<td>Super G3/G3</td>
<td>33,600 bps to 2,400 bps</td>
</tr>
</tbody>
</table>

**Sharpdesk System Requirements**

- **Supported OS**
  - Minimum requirement of operating system used plus at least 500MB to store Sharpdesk and Network Scanner Tool programs

- **CPU**
  - Pentium® or equivalent processor (Windows XP: 800 MHz 32-bit/64-bit processor; Windows Vista and Windows 7: 1 GHz 32-bit/64-bit processor)

- **Memory**
  - Windows XP: 512MB RAM; Windows Vista and Windows 7: 1 GB RAM(2GB RAM)

- **Monitor**
  - Windows XP: SVGA display; Windows Vista and Windows 7: Direct X9 support with 128MB video RAM

**Sharp OSA Network Scanner Tool System Requirements**

<table>
<thead>
<tr>
<th>Host PC</th>
<th>Client PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows® XP Professional (SP3 or later; 32-bit); Windows Vista Business, Enterprise, or Ultimate Edition (SP2 or later; 32-bit or 64-bit)</td>
<td>Windows® XP Home (SP3 or later; 32-bit)</td>
</tr>
<tr>
<td>Windows® 7 Professional, Enterprise, or Ultimate Edition (32-bit or 64-bit)</td>
<td>Windows® XP Home Basic or Home Premium (SP2 or later; 32-bit or 64-bit)</td>
</tr>
<tr>
<td>Windows® 7 Home Basic or Home Premium (32-bit or 64-bit)</td>
<td>Windows® XP Professional (SP3 or later; 32-bit); Windows Vista Business, Enterprise, or Ultimate Edition (SP2 or later; 32-bit or 64-bit)</td>
</tr>
</tbody>
</table>

**Hard disk and memory**

- 1GB available hard disk space (work space is also required)
- 1GB available hard disk space (work space is also required)
- 1GB available hard disk space (work space is also required)
- 1GB available hard disk space (work space is also required)

**Application Communication Module**

- MX-FX11
- MX-FR40U

**Data Security Kit**

- MX-AMX2
- MX-AMX3

**Mixed-Font Kit**

- MX-USX1/X5
- MX-FRUX1

**Fax Expansion Kit**

- MX-FX11
- MX-FR11

**Data Security Kit**

- MX-FR40U
- MX-AMX2
- MX-AMX3

**Mixed-Font Kit**

- MX-USX1/X5
- MX-FRUX1
**GENERAL**

- **Type**: Desktop
- **Engine speed (colour & B/W)**: Max. 31.66 cpm/ppm (A4, 8 1/2” x 11”, long-edge feeding)
- **Paper size**: Max. A3 wide (12” x 18”), min. A5R (5 1/2” x 8 1/2”R)
- **Paper capacity (B/W)**: Maximum: 3,100 sheets
- **Power consumption (max.)**: 1.84 kW (220-240V), 1.44 kW (100-120V)

**SPECIFICATIONS**

- **Dimensions (W x D x H)**: 608 x 642 x 834 mm (23 7/8” x 25 5/8” x 32 11/16”)
- **Weight (approx.)**: 67.2 kg/148 lbs (220 to 240V), 75.6 kg/167.6 lbs (100 to 120V)

**Copy**

- **Original paper size**: Max. A3 (11” x 17”)
- **First copy time**
  - [MX-2614N]: Full colour: 7.9 sec. B/W: 5.8 sec.
  - [MX-3114N]: Full colour: 8.1 sec. B/W: 5.9 sec.
- **Continuous copy**: Max. 999 copies
- **Resolution**: Scan (colour): 600 x 600 dpi
  - Scan (B/W): 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi
  - Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on print mode)
- **Gradation**: Equivalent to 256 levels
- **Zoom range**: 25% to 400% (25% to 200% using RSPF) in 1% increments
- **Preset copy ratios**: Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)

**Network Scanner**

- **Scan method**: Push scan (via control panel), pull scan (TWAIN-compliant application)
- **Resolution**: Push scan: 100, 200, 300, 400, 600 dpi
  - Full scan: 75, 100, 150, 200, 300, 400, 600 dpi
- **File formats**: TIFF, PDF, encrypted PDF, JPEG (colour only), XPS®, PDF/A
- **Scanner utility**: Sharpdesk
- **Scan destinations**: Scan to e-mail/desktop/FTP server/network folder (SMB)/USB memory

**Document Filing**

- **Document filing capacity**: Main and custom folders: 20,000 pages or 3,000 files
  - Quick file folder: 10,000 pages or 1,000 files
- **Stored jobs**
  - Copy, print, scan, fax transmission
- **Storage folders**: Quick file folder, main folder, custom folder (max. 1,000 folders)
- **Confidential storage**: Password protection

**Network Printer**

- **Resolution**: 600 x 600 dpi, 9,600 (equivalent) to 600 dpi
- **Interface**: USB 2.0, 10base-T/100base-TX/1000base-T
- **Supported OS**: Windows® XP, Windows Vista®, Windows® 7, Windows® 8, Mac OS X 10.4, 10.5, 10.6, 10.7, 10.8
- **Network protocols**: TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), EtherTalk (AppleTalk)
- **Printing protocols**: LPD, Raw TCP (port 9100), PPD (e-mail printing), HTTP,
  - IPX/SPX (NetWare), EtherTalk (AppleTalk), IPP
- **PDL (emulation)**: Standard: PCL 6 emulation
  - Option*: PS emulation, XPS
- **Available fonts**: 80 fonts for PCL, 136 fonts for PS emulation

**B/W Facsimile (optional MX-FX11 required)**

- **Compression method**: MH/MMR/MMR/BJG
- **Communication protocol**: Super G3/G3
- **Transmission time**: Less than 3 seconds**
  - From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
- **Transmission resolution**: A3 to A5 (11” x 17” to 5 1/2” x 8 1/2”)
- **Recording width**: 144 mm
- **Memory**: 1GB standard
- **Grey scale levels**: Equivalent to 256 levels
- **Features**: Duplex transmission/reception, quick on-line transmission, error correction mode, 1,000 one-touch dials, 500 group dials, LDAP, timer transmission/reception, inbound routing to e-mail/FTP server/network folder (SMB), FTP/Internet fax, any-to-any fax, multi-page scan, mixed size original scanning, card shot, edge/side erase, original count

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*1: At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment.
*2: HDD capacity depends on procurement and sourcing status.
*3: Thumbnails of Document Filing data files and incoming faxes.
*4: Long-edge feeding of A4 (8 1/2” x 11”) sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode.
*5: Resolutions higher than 600 dpi are interpolated.
*6: To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.
*7: Optional MK-FX11 required. *8: B/W documents only, scanned at under 400-dpi resolution. Max. 600 dpi for Internet faxing or when scanning at 600 x 600 dpi resolution.
*9: Storage capacity will vary depending on the type of document and the scan settings.
*13: Some features are not available according to the printer driver used. *14: Based on Sharp’s standard chart with approx. 700 characters (A4 or 8 1/2” x 11” long-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, BJC compression.

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