SHARP

MX-2300G

Digital Full Colour Multifunctional System

Environmentally Friendly Colour MFP for Advanced Security and Productivity

Hot Pink Style
Find the latest fashions

BLI PICK of the YEAR 2006
SHARP CORPORATION
Sharp MX-2300G

ENERGY STAR

23 PPM

23 PPM

Common Criteria Validated
MFP Data Security Kit
MX-FRX1 VERSION M.10

The validation obtained by this product concerning information security is the result of an evaluation based on standards and methods prescribed by the Target of Evaluation. It certifies that the product conforms to security assurance requirements.

| COPY | NETWORK PRINT | NETWORK SCAN OPTION | SHARPDESK OPTION | FAX OPTION |

Colour–Capable Multifunctional System Brings New Value to Your Business

Packed with original, leading-edge technologies, the compact MX-2300G all-in-one colour MFP from Sharp is designed to take your business farther.

Excellent quality for copy/print jobs at maximum speeds of 23 pages-a-minute for both colour and B/W documents allows you to get impressive colour output every time without sacrificing speed. A user-friendly design featuring an 8.1-inch H-VGA touch-screen control panel ensures that anyone can take full advantage of its advanced features. What's more, Sharp's industry-leading multi-layered security solutions provide heightened information security to meet today's growing demands to protect important corporate management resources such as intellectual property. And with the MX-2300G's integrated document management system, your office workflow will reach a whole new level of innovation and efficiency.

MX-2300G
Digital Full Colour Multifunctional System

The Leading Edge in Environmental Performance
The innovative MX-2300G brings today's businesses the superb environmental performance of Sharp, a company dedicated to being environmentally advanced. Incorporating leading-edge Sharp technologies, the MX-2300G not only raises the bar for resource savings with Sharp's revolutionary new toner and longer-life photoconductor, it also offers an environmentally conscious design that supports the RoHS directive and offers one of the lowest standby power consumption rates available.

Key Features

Environment and User–Friendly

- Newly developed, environmentally conscious supplies
- Industry-leading energy-saving design (less than 1W in standby for fax reception)
- Lead- and chromium-free design (RoHS compliant)
- Job Status screen lets you view the list of jobs in progress

Breathtaking Image Quality

- High-quality imaging with Mycrostoner
- Oil-less toner for brilliant, non-glossy colour output
- Enhanced Sharp Auto Colour Mode and Auto Colour Selection for easy colour copying

Industry–Leading Security Solutions

- Optional Data Security Kit encrypts and erases confidential data
- SSL and encrypted PDF for secure network communications
- Document Control function* prevents unauthorised copying, scanning, faxing, filing

* Requires optional Data Security Kit

Productive Output

- Speedy output of max. 23 ppm and quick first copy time in both colour and B/W
- Professional job finishing options include booklet making and hole punching
- Network tandem function doubles output speed
- Standard hard disk and electronic sorting for both colour and B/W
- Large paper capacity of max. 5,600 sheets
- Optional 100-sheet Reversing Single Pass Feeder and standard stackless duplex module

All-in-One Full-Colour MFP

- Standard SPLC-c driver and optional PCL5c/PCL6 and PS3 emulation
- Optional full-colour network scanning with scan to e-mail/FTP server/desktop/ network folder (SMB)/USB memory
- Sharpdesk for easy, integrated document management on a PC
- Document filing function to instantly reuse saved jobs
- Super G3 fax and Internet fax* (in B/W)
- LDAP support for easy browsing of e-mail addresses and fax numbers

* Requires optional Fax Expansion Kit

Sharp's One-of-a-Kind Features

- Variety of advanced copy/print functions
- Large touch-screen LCD control panel and customisable user settings
- USB memory direct printing
- Colour stamp function, mixed size original copy mode, easy text entry
- Sharp OSA (Open Systems Architecture) allows third-party software developers to customise the machine to meet exact user needs

COPYING & NETWORK PRINTING

Super-Efficient Colour and B/W Output   `COPY` `PRINT`

The tandem printing engine with four in-line drums helps the MX-2300G deliver a fast output of **23 cpm/ppm*** in full colour and in B/W. And the first copy comes out in just **8.9 seconds** in full colour and 6.3 seconds in B/W. What's more, its short, straight paper path minimises misfeeds to save you paper and toner costs.

23 PPM **23 PPM**

* A4 (8 $\frac{1}{2}$" x 11"), portrait

Productive Collated Output from Memory   `COPY` `PRINT`

The MX-2300G's Scan Once/Print Many function only requires a single scan of a multi-page original for copying, and the RIP Once/Print Many function only needs to download print data once from the PC for printing. The machine then automatically saves the data into memory and outputs **collated** sets of copies or printouts in the proper page order (electronic sorting), with each set **offset stacked** for easier retrieval.

Multi-page original is scanned... (or print data sent from PC)   stored on hard disk in proper page order...   ...and stacked offset

Built-in Stackless Duplex Module and RSPF   `COPY` `PRINT`

The MX-2300G 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 used together with the optional **100-sheet RSPF** (reversing single pass feeder), which efficiently feeds in either one- or two-sided originals.

Job Build for Large-Volume Scanning   `COPY`

The MX-2300G easily handles large-volume copy jobs exceeding the RSPF's 100-sheet*[1] capacity. For example, a 270-sheet original can be scanned as batches of 100 + 100 + 70 sheets and automatically stored on the MX-2300G's hard disk*[2]. Users can then print the entire document in a single run.

*1: A4 (8 $\frac{1}{2}$" x 11")

*2: The number of pages that can be stored for the Job Build function depends on the machine's HDD capacity and other conditions.

Automated Job Finishing   `COPY` `PRINT`

The MX-2300G makes it easy to create professional-looking booklets. Working together with the highly productive stackless duplex module, the optional **Saddle Stitch Finisher** folds and staples sets of documents to make completed booklets. A space-efficient **Finisher** is also available for jobs that require only simple sorting and stapling. And, a **Punch Module** allows you to punch holes in documents for easy filing.

A Variety of Job Finishing Options

Saddle stitching   Stapling   Hole punching
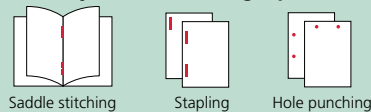
Large Paper Capacity   `COPY` `PRINT`

For high-volume work, the MX-2300G can accommodate an optional 3,500-sheet large-capacity tray and stand with 2 x 500-sheet paper drawers for a total capacity of **5,600 sheets**. 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 worrying about running out of paper.

Proof Copying or Printing   `COPY` `PRINT`

To prevent the waste of large-volume misprints, the MX-2300G 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 Tandem Function   `COPY` `PRINT`

When two MX-2300Gs are connected to the same office network, you can use both simultaneously to double copying/printing output* to **46 cpm/ppm**. With simple operation, you can quickly complete large-volume jobs to meet tight deadlines.

Equivalent to 46 cpm/ppm
23 cpm/ppm   23 cpm/ppm

* Requires optional MX-PBX1 Printer Expansion Kit for network tandem printing.
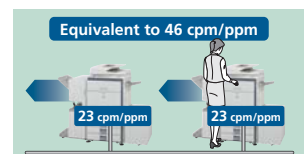
Supports Most Office Environments   `PRINT`

- The MX-2300G works as a network printer*[1] with the most commonly used network operating systems and protocols and even in mixed network OS environments. With a 64-bit, 600 MHz CPU, you get powerful network printing via 100Base-TX and 10Base-T Ethernet standards.

- The MX-2300G incorporates SPLC-c*[2] technology and can also support **PCL5c** and **PCL6** printer languages*[3]. For compatibility with **PostScript 3**, the MX-PKX1 PS3 Expansion Kit is available.

*1: Network printing is standard via TCP/IP and NetBEUI. Requires optional MX-PBX1 for IPX/SPX and also MX-PKX1 for EtherTalk.

*2: Sharp Printer Language with Compression-c

*3: Requires MX-PBX1 and MX-SMX1.

Ethernet (10Base-T/100Base-TX)
Windows®
Macintosh
Print
Windows Server®

3
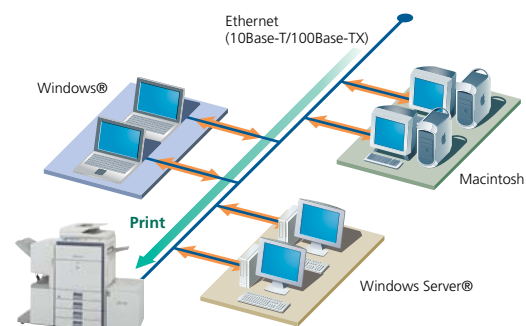
High-Quality Imaging with Mycrostoner `COPY` `PRINT`

The MX-2300G adopts **Mycrostoner**, a new toner of smaller particle size that clearly reproduces thin lines, small characters and halftone colours. The **oil-less toner** also produces vivid, natural-looking colour printouts that you can easily write messages or post sticky notes on.

Auto Colour Selection `COPY` `PRINT`

The MX-2300G automatically distinguishes whether the pages in a document are colour or B/W. Even if multi-page originals include a combination of colour and B/W pages, the MX-2300G selects the ideal mode for each page and outputs copies to match the original.

Original with colour and B/W pages → Distinguishes colour and B/W pages → Outputs each page in the appropriate print mode

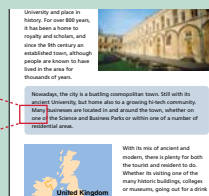## Enhanced Sharp Auto Colour Mode `COPY`

Sharp Auto Colour Mode analyses the content of an original document and automatically recognises the type of original. It then selects the optimum copy mode to produce copies that are faithful to the original. The MX-2300G's Enhanced Sharp Auto Colour Mode advances this excellent function even further, making it possible to even clearly reproduce characters with colour or halftone dots in the background.

Enhanced Sharp Auto Colour Mode

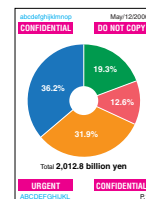Text comes out crisp and clear

Background colour remains intact

USB Memory Direct Print `PRINT`

The MX-2300G offers a whole new level of convenience with a USB port for 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. Once the device is connected, the MX-2300G guides users through simple operations on the LCD control panel.

Versatile Paper Handling `COPY` `PRINT`

The MX-2300G accommodates a wide range of paper sizes, from **A5R (5 $\frac{1}{2}$" x 8 $\frac{1}{2}$R")** to **A3 wide (12" x 18")**. You can do A3 or 11" x 17" **full-bleed printing** onto A3-wide (12" x 18") paper, without loss of image area. And thanks to its tandem printing method, it can handle heavy paper stock up to **209 g/m²**, overhead transparencies, and other types of paper, further expanding the range of printing applications.

Image Editing Functions `COPY`

The MX-2300G includes colourful editing functions made possible by digital technology.

- **Multi-Page Enlargement** divides an image onto separate sheets for making posters up to A0 x 2 (44" x 68") in size.
- **Image 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.

Various Copy/Print Applications `COPY` `PRINT`

COPY & PRINT

- **Tab Copy/Print*** can copy or print directly onto tabs on document separators and insert them into assigned positions, enabling you to create professional-looking documents.
  * Tab Print requires optional MX-PBX1 Printer Expansion Kit.
- **Multi-Shot** copying and **N-up** printing
- **Pamphlet Style** copying/printing
- **Cover/transparency** insertion

PRINT

- **PDF/TIFF/JPEG Direct Print*** prints PDF, TIFF or JPEG files without using the printer driver or opening applications.
  * Direct PDF printing requires optional MX-PKX1. May not support all PDF, TIFF and JPEG formats.
- **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 (with optional AR-PF1 Barcode Font Kit)

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** lets you choose from four categories: date, page number, text or stamps such as "URGENT." Each category can be assigned one colour from a choice of four 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.

4

NETWORK SCANNING

A3 Colour Network Scanning

The optional MX-NSX1 Network Scanner Expansion Kit turns the MX-2300G into a **full-colour network scanner** that can be used with any Windows PC on the network. 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. Seamlessly integrating paper-based documents and digital files makes it easy to share data and improve workflow. And **Auto Colour Selection** selects the right mode for scanning originals containing both colour and B/W pages (see page 4).

Note: Optional MX-SMX1 Expansion Memory Board also required.

LDAP Compatibility for Network Scanning

Built-in **LDAP** (lightweight directory access protocol) support eliminates the need to enter or register an entire e-mail address. Simply enter the first few letters of the recipient's name and the MX-2300G displays a list of possible matches from names and e-mail addresses on your company's LDAP server. This feature saves precious time and lets you avoid errors when typing e-mail addresses. After searching, selected addresses can be stored to the MX-2300G's address book.
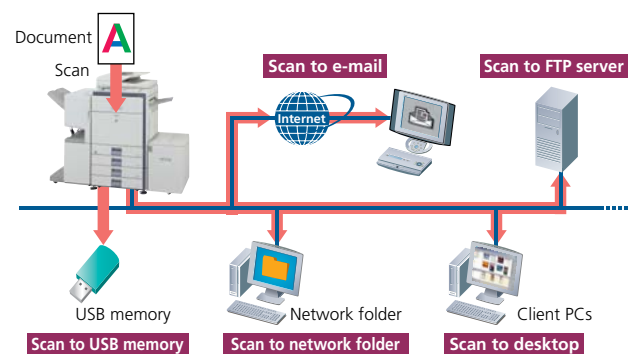
Easy Text Entry

Users can enter an e-mail subject title, file name or message directly from the MX-2300G's LCD control panel or preset frequently used subject titles and messages for easy one-touch entry. Plus, users can also register footers to send with e-mail.

Five-Way Distribution of Scanned Files

With the touch of a few buttons, you can choose one of five ways to distribute your scanned documents. **Scan to E-Mail** allows you to send documents as an attachment to any e-mail address over the Internet. **Scan to FTP Server** lets you scan a document directly to an FTP server for special applications such as company-wide posting or archiving. **Scan to Desktop** enables you to send scanned documents directly to your computer desktop. **Scan to Network Folder (SMB)** sends files to a share folder on a Windows PC on the network. And with **Scan to USB Memory**, you can store scanned images to USB memory devices.

Document · Scan · Scan to e-mail · Scan to FTP server · Internet · USB memory · Scan to USB memory · Network folder · Scan to network folder · Client PCs · Scan to desktop

TWAIN Support

With support for the TWAIN standard, the MX-2300G lets you import scanned images to a commercially available TWAIN-compliant application (pull scan).

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

Word · Excel · PowerPoint® · PDF · Scanned image · etc.

Search · Edit · Print · PC-Fax · E-mail · OCR · ICT* · View · Store · Compose

Search screen
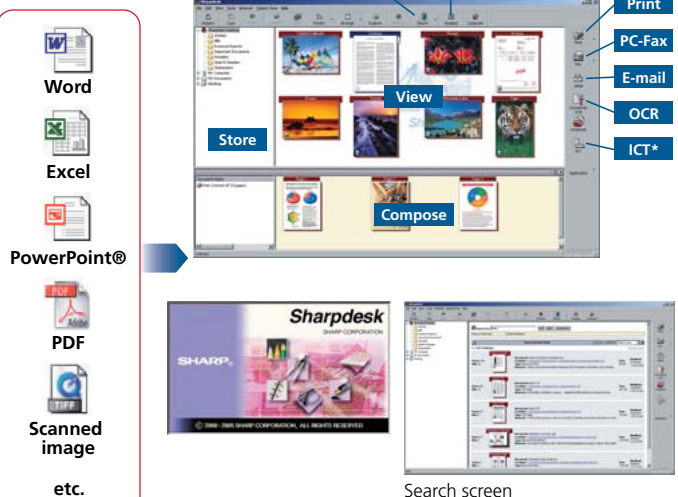
* Image Compression Tool for converting images into high-compression PDF files.

DOCUMENT FILING

Document Management on the Hard Disk

You can save processed job data in designated folders on the MX-2300G'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.
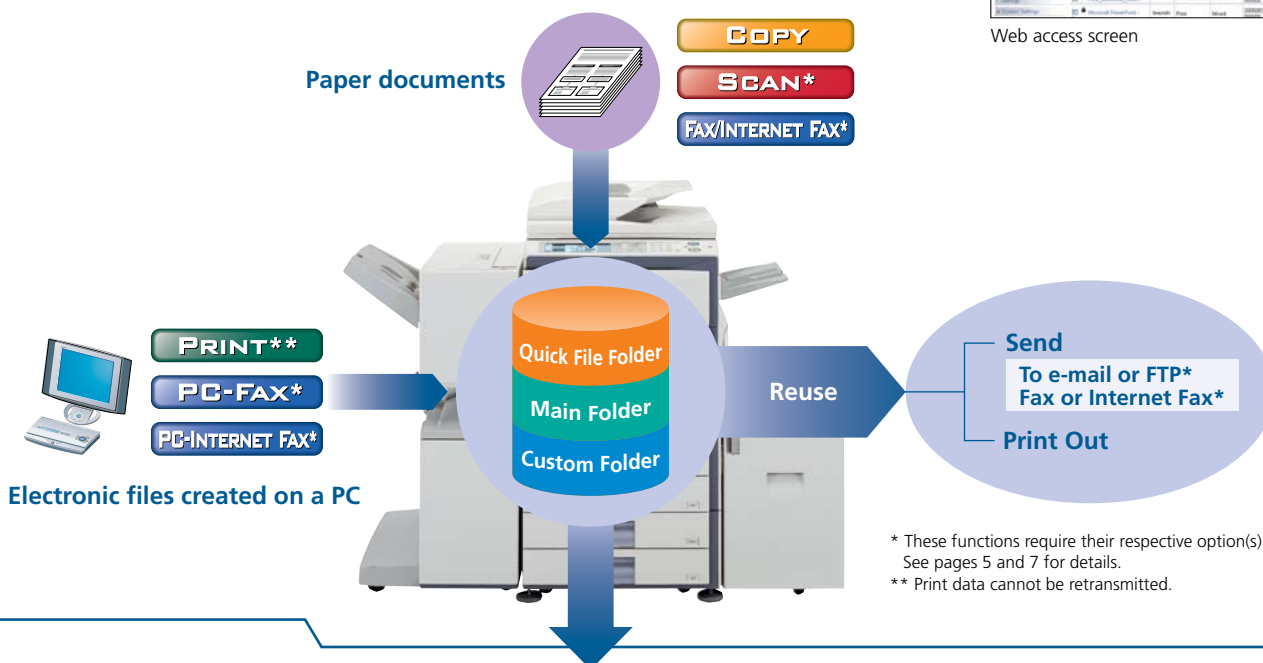
Easy Access to Stored Files

Documents that are stored on the hard disk can be quickly searched and accessed from the control panel display or through a Web browser.

Search results

Web access screen

Paper documents

COPY

SCAN*

FAX/INTERNET FAX*

PRINT**

PC-FAX*

PC-INTERNET FAX*

Electronic files created on a PC

Quick File Folder
Main Folder
Custom Folder

Reuse

Send
To e-mail or FTP*
Fax or Internet Fax*

Print Out

* These functions require their respective option(s).
See pages 5 and 7 for details.
** Print data cannot be retransmitted.
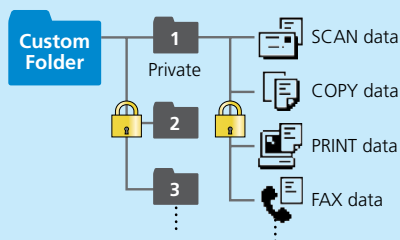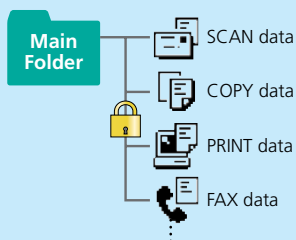
Quick Filing

Up to **1,400 pages** or 1,000 files[1] that have been copied, printed, scanned or faxed[2] can be stored by job on the hard disk in a Quick File Folder. You can reuse saved data with simple operation without having to reload or rescan the original.

Quick File Folder
— SCAN data
— COPY data
— PRINT data
— FAX data
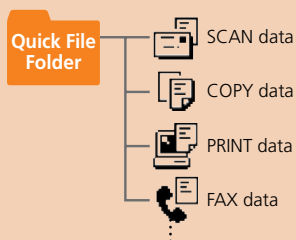
Advanced Filing Function

Up to **1,400 pages** or 1,000 files[1] that have been copied, printed, scanned or faxed[2] can be stored by job on the hard disk in up to 500 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 - You can store processed files by user name in the main public folder and share them across the workgroup. Any file name and a PIN code can be assigned to each saved job.

• Custom Folder - Up to 500 private folders (named as desired) can be created within the Custom Folder. When saving a file in a private folder, any file name can be assigned. A PIN code can be applied to both private folders and files.

Main Folder
— SCAN data
— COPY data
— PRINT data
— FAX data

Custom Folder
Private
1
2
3
— SCAN data
— COPY data
— PRINT data
— FAX data

*1: Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function; up to 10GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
*2: For fax and Internet fax jobs, only transmitted data (not received faxes) can be saved in the Document Filing function.

FAXING

High-Speed Operation

The optional MX-FXX1 Fax Expansion Kit turns the MX-2300G into a **Super G3 fax** machine featuring a fast modem speed of 33.6 Kbps. Using JBIG data compression, the MX-2300G can send an A4 (8 $\frac{1}{2}$" x 11") size page in under 3 seconds*. Working together with the 100-sheet RSPF, this function greatly enhances the efficiency of your faxing jobs. And, because **Quick On-Line Transmission** can start dialling and transmitting as soon as the first page is scanned into memory, you can send documents in **much less time**.

*Based on Sharp's standard chart with approximately 700 characters (A4 or 8 $\frac{1}{2}$" x 11" portrait) at standard resolution.

Time Comparison between Super G3 and G3

(conceptual diagram)
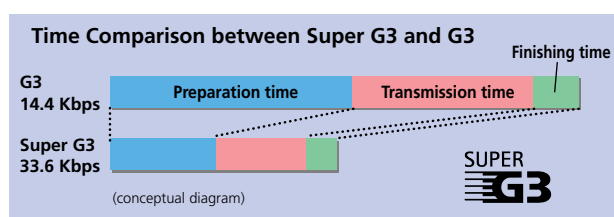
Automated Fax Finishing

The MX-2300G eliminates the need to copy and staple received faxes by hand. Simply use the Fax Output setting on the LCD control panel to designate the number of copies and the output tray. With the optional finisher or saddle stitch finisher installed, the MX-2300G will even automatically staple these documents for you.
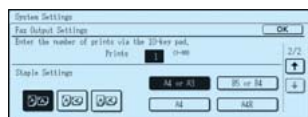
Duplex Transmission and Reception

With the optional RSPF, the MX-2300G scans both pages of two-sided documents and sorts them in memory. The pages are then transmitted in the proper order. Thanks to the built-in duplex module, the MX-2300G can also print incoming faxes onto both sides of the paper, thus saving you paper costs.

PC-Fax/PC-Internet Fax

A PC-Fax/PC-Internet Fax function allows you to directly send a document created on your PC to a recipient's fax machine via a phone line or the Internet. Since all faxing procedures are done on your PC without printing to paper, this function saves time and costs, increases faxing productivity, and retains original document quality.

Note: Optional MX-FWX1 and MX-SMX1 required for PC-Internet fax (PC-Fax requires the MX-FXX1).

Internet Fax

You can economically send and receive faxes to and from other ITU-T T-37-compliant Internet fax machines via the Internet. And, since jobs are scanned into and then sent from memory, sending a fax is faster and easier than conventional transmissions.

Note: Optional MX-FWX1 and MX-SMX1 required.

Multi Access Function

You get two different functions simultaneously; for example, you can scan documents into memory for transmission while you receive an incoming fax.

Other Key Features

- **Flash Memory Backup** ensures documents remain safely backed up in memory, even in the event of a power failure
- **Auto Dialling** registers up to **999** frequently used numbers as **one-touch auto-dial keys** in alphabetical order
- **Ultra Fine Mode** enables crisp, clear reproduction of detailed images and fine text
- **F-Code communication** enables confidential communication with fax machines from other brands that conform to the ITU-T F-Code (sub-address and pass code) standard
- **Automatic Reduction** automatically reduces the size of the outgoing and incoming document to fit the available paper size
- **Memory Transmission/Reception** stores 94 jobs in memory for faster transmission or saves incoming faxes in memory if the MX-2300G runs out of paper or toner
- **Timer Transmission** enables unattended after-hours operation when reduced phone rates are in effect
- **Polling** allows the user to retrieve a document left in the feeder of a remote fax machine
- **Broadcast Faxing** to up to 500 destinations
- **Programme keys** (up to 48 keys) are available to set up frequently used transmissions for instant recall
- **Rotation Reception/Transmission** rotates incoming or outgoing faxes to match the direction of the printing paper size
- **Print Actual Size** maintains the actual size of the incoming fax by printing it onto separate sheets
- **Anti-Junk Fax** blocks the reception of unwanted faxes from up to 50 numbers
- **LDAP support** for using the global address book
- **Paperless faxing with inbound routing** lets you check incoming faxes via e-mail before printing
- **Activity Report** provides information on the last 200 transactions
- Other convenient functions: Edge/Centre Erase, Dual Page Scan, 2-in-1 Transmission, Card Shot, Mixed Size Original Scanning, Job Build
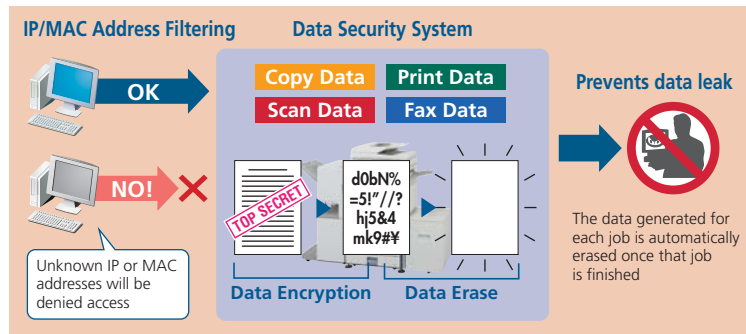
SECURITY

Industry-Leading Multi-Layered Security

With multiple levels of network and data security to cover a wide range of security needs, Sharp offers award winning security solutions to help protect your business assets and bring peace of mind. The MX-2300G safeguards sensitive data with powerful, enhanced security functions that eliminate the worry of unauthorised use and guarantee greater protection for your confidential information.

Data Security Kit

Digital copier/printers or multifunction products can retain hundreds of pages of confidential information from previous jobs on their hard disks or internal memory. To safeguard this information from unauthorised access, the optional Common Criteria-validated **Data Security Kit** automatically **encrypts and erases** the data after each job is complete as well as data stored both on the hard disk and in the address book.

IP/MAC Address Filtering — Data Security System

Copy Data | Print Data
Scan Data | Fax Data

OK
NO!

Unknown IP or MAC addresses will be denied access

d0bN%=5!"//?hj5&4mk9#¥

Data Encryption — Data Erase

Prevents data leak

The data generated for each job is automatically erased once that job is finished
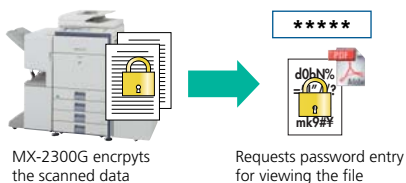
IP/MAC Address Filtering

The optional MX-PBX1 provides highly secure operation by restricting access to the MX-2300G on your office network. Only PCs that have either their **IP address** or **MAC (media access control) address** registered are allowed to use the MX-2300G. Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use.
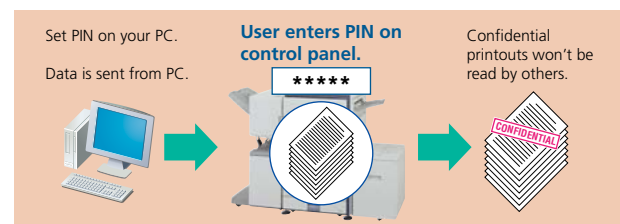
Encrypted PDF with Password Protection

To prevent unauthorised viewing of confidential image data, the MX-2300G enables users to password protect and encrypt PDF data. By setting a password when scanning, users can transmit a PDF over the network in encrypted format. Then, after transmission, viewers will only gain access to the encrypted PDF after successfully re-entering the chosen password.

MX-2300G encrpyts the scanned data

Requests password entry for viewing the file

Document Control Function

Document Control prevents unauthorised copying, scanning, faxing and filing of confidential documents. This is how it works: the MX-2300G embeds copy prevention data onto a document when it is first copied or printed. It will then detect this data, for example, the next time someone tries to make a copy of the document. Any unauthorised attempts to copy a Document Controlled-document will simply be cancelled or result in the output of a blank page.

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

Example: Unauthorised copying

ABC

Confidential document with copy prevention data — Unauthorised attempt to make a copy — Results in a blank page
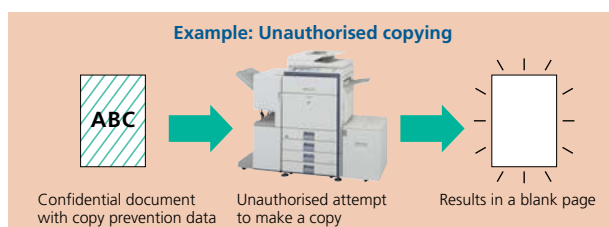
Print Hold and Confidential Print

To keep others from seeing confidential documents as they are being printed out, the MX-2300G's **Print Hold** function stores print data on its hard disk and withholds output until the user executes a print command from the control panel. For added security, the **Confidential Print** function requires the user to enter in a PIN (personal identification number) at the machine before printing can begin.

Set PIN on your PC.

Data is sent from PC.

User enters PIN on control panel.

Confidential printouts won't be read by others.

Secure Socket Layer

A newly introduced SSL (Secure Socket Layer) enables the encryption of data communications to prevent data leakage through the network when printing via IPP or browsing secure Web pages (HTTPS).

User Authentication

The MX-2300G prevents unauthorised operation, including use of the LDAP function, by requiring **passwords** for machine access. The MX-2300G can also register up to 200 users in **three access levels** as Administrator, User and Guest.
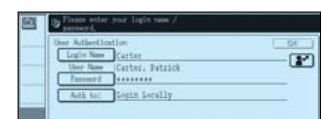
User authentication

ENVIRONMENT & USER-FRIENDLY

Environmentally Conscious Supplies

Integrating Sharp's newly developed, environmentally advanced supplies, the MX-2300G takes ecological performance to a whole new level. The revolutionary Mycrostoner offers a significantly **lower consumption rate** than conventional toners in a smaller cartridge that uses less packaging materials, while the **longer-life photoconductor** delivers higher performance than previous models. Combining earth-friendly features with an ecologically sound design, the MX-2300G minimises burden on the environment while lowering consumption and costs.

Compact Size

The 4-in-1 multifunction MX-2300G helps you optimise office space thanks to its size, which is among the most compact in its class, and fits nicely in almost any office.

Environmentally Conscious Design

- With power consumption of less than 1W in fax reception standby and 12W in network standby, the MX-2300G leads the industry in energy savings for colour multifunction machines.

- Conforming to the **Energy Star** programme, an international system identifying energy-efficient products, the MX-2300G has two levels of **energy-saving modes** to reduce or shut off electricity after a period of inactivity. And to further cut back on running costs, by pressing the **manual energy save key** after a job is finished, the MX-2300G immediately enters auto power shut-off mode.

- In **support of the RoHS directive**, which restricts the use of hazardous substances, Sharp has fully eliminated harmful lead and chromium in all MX-2300G parts and materials.

8.1-Inch Touch-Screen LCD

The MX-2300G's logically designed control panel features a wide, clear, H-VGA-resolution touch-screen LCD with easy-to-follow guidance. For example, when adjusting the edge/centre erase function or, in the event of a paper jam, the LCD displays step-by-step instructions to guide you through the necessary procedures.

Customisable Keys on the LCD Control Panel

Working with the user authentication function, the MX-2300G enables both users and administrators to register up to **200 user-specific** default settings on the LCD control panel and customise **short-cut keys** in the lower right corner of the default screen for each mode.

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.
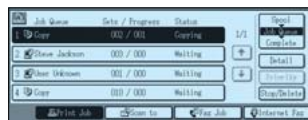
Integrated Web-Based Device Management

Administrators can set up many features from either over the network or from the control panel of the MX-2300G, including address book control, document filing management, user control (accounting) and e-mail alert and status settings.

Web-based device management

Network Utility Software

- **Printer Administration Utility** makes printer networks easier to manage by allowing network administrators to customise monitored items and view settings such as the IP address directly from their PC through a standard Web browser.

Web-based PAU 4.0

- If the MX-2300G is low on paper or toner, the **Printer Status Monitor** will alert you in the form of easy-to-understand graphics, allowing you to avoid problems before they arise.
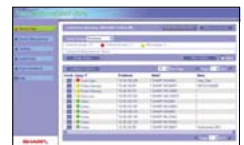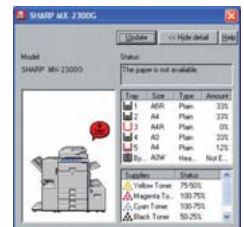
Printer Status Monitor

Device Cloning

Machine settings can be copied conveniently to another MX-2300G via a Web browser, making it easy to clone machines in a networked environment.

Sharp OSA (Open Systems Architecture)

The MX-2300G features the innovative Sharp OSA* that allows third-party software developers to create custom applications. Sharp OSA gives you direct access to business applications and/or external account software right from the LCD, offering a new realm of control and convenience.

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

OSA™
Sharp Open Systems Architecture

OPTIONS

System Configuration

MX-VRX1 Document Cover
MX-RPX1 Reversing Single Pass Feeder

MX-FNX1 Finisher
MX-PNX1A/B/C/D Punch Module

or

MX-FNX2 Saddle Stitch Finisher
+ **MX-RBX1** Paper Pass Unit
AR-PN1A/B/C/D Punch Module

MX-TRX1 Exit Tray Unit

MX-FXX1 Fax Expansion Kit

MX-LCX1 Large-Capacity Tray (A4)

BASE UNIT

MX-DEX2 Stand with 2 x 500-Sheet Paper Drawers

or

MX-DEX1 Stand with 500-Sheet Paper Drawer

MX-PBX1 Printer Expansion Kit
MX-NSX1 Network Scanner Expansion Kit
MX-PKX1 PS3 Expansion Kit
AR-PF1 Barcode Font Kit

MX-FWX1 Internet Fax Expansion Kit
MX-USX1/X5 Sharpdesk 1/5-License Kit
MX-US10/50/A0 Sharpdesk 10/50/100-License Kit
MX-SMX1 256MB Expansion Memory Board

MX-FRX1U Data Security Kit
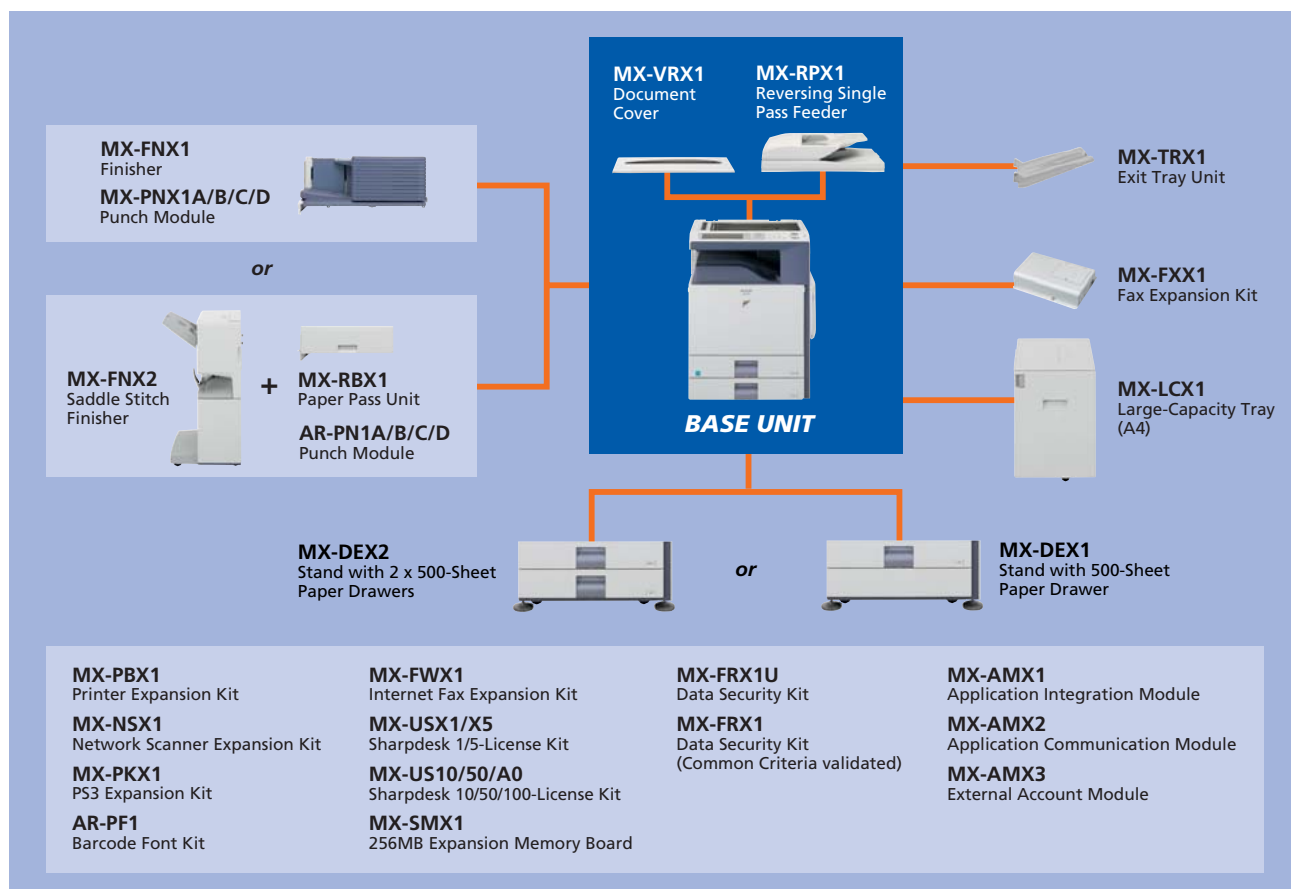**MX-FRX1** Data Security Kit (Common Criteria validated)

MX-AMX1 Application Integration Module
MX-AMX2 Application Communication Module
MX-AMX3 External Account Module

The MX-FRX1 and MX-AMX2/3 cannot be attached at the same time.
Some options may not be available in some areas.

Specifications for Options

MX-FNX1 Finisher

Paper size	Non offset	A3W to A5R (12" x 18" to 5 ^{1}/$_2$" x 8 ^{1}/$_2$R")
	Offset/staple	A3 to B5 (11" x 17" to 8 ^{1}/$_2$" x 11R")
Paper capacity (max.)		500 sheets (A4 or smaller), 250 sheets (B4 or larger)
Stapling capacity		50 sheets (A4 or smaller), 30 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

MX-FNX2 Saddle Stitch Finisher

Paper size	Non offset	A3W to A5R (12" x 18" to 5 ^{1}/$_2$" x 8 ^{1}/$_2$R")
	Offset/staple	A3 to B5 (11" x 17" to 8 ^{1}/$_2$" x 11R")
Paper capacity (max.)	Offset tray	1,000 sheets (A4 or smaller, except A5R), 500 sheets (A5R, B4 or larger)
	Saddle stitch tray	10 sets of 6–10 sheets, 20 sets of 1–5 sheets
	Stapling capacity	30 sheets (A4 or smaller), 25 sheets (B4 or larger)
Staple position		3 locations (front, rear or both)

Punch Modules

Model name	For the MX-FNX1	MX-PNX1A	MX-PNX1B	MX-PNX1C	MX-PNX1D
	For the MX-FNX2	AR-PN1A	AR-PN1B	AR-PN1C	AR-PN1D
Number of holes		2	3	4	4 (wide)
Paper weight			55 to 209 g/m^2		

MX-DEX1 Stand with 500-Sheet Paper Drawer

Paper size	A3 to B5R (11" x 17" to 7 ^{1}/$_4$" x 10 ^{1}/$_2$R")
Paper capacity	500 sheets (80 g/m^2)

MX-DEX2 Stand with 2 x 500-Sheet Paper Drawers

Paper size (upper and lower tray)	A3 to B5R (11" x 17" to 7 ^{1}/$_4$" x 10 ^{1}/$_2$R")
Paper capacity (upper and lower tray)	500 sheets each (80 g/m^2)

MX-LCX1 Large-Capacity Tray

Paper size	A4, B5 (8 ^{1}/$_2$" x 11")
Paper capacity	3,500 sheets (80 g/m^2)

MX-FXX1 Fax Expansion Kit

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Modem speed	33,600 bps to 2,400 bps

Sharpdesk 3.2 System Requirements

CPU and memory	Depend on operating system used
Hard disk	300MB or more available space (including sample image files and help files)
Monitor	SVGA resolution or better and capable of displaying more than 256 colours (True Color recommended)
Supported OS	Windows® 98 Second Edition, Windows® Me, Windows® 2000 Professional, Windows® XP Professional, Windows® XP Home Edition, Windows Vista™*
Network protocols	TCP/IP (using Network Scanner Tool)

* Windows Vista 64 bit is supported as 32-bit compatible mode. Sharpdesk Composer does not support Windows Vista 64 bit.

MX-2300G — Digital Full Colour Multifunctional System

SPECIFICATIONS (tentative)

General

Type	Desktop
Engine speed (colour & B/W)	Max. 23 cpm/ppm (A4, 8 1/2" x 11", portrait)
Paper size	Max. A3 wide (12" x 18"), min. A5R (5 1/2" x 8 1/2R")
Paper capacity	Standard: 1,100 sheets (two 500-sheet trays and 100-sheet multi-bypass tray), maximum: 5,600 sheets
Warm-up time	Less than 80 sec.
Memory	[Copier memory] Standard 768MB [Printer memory] Standard 384MB, max. 640MB; 40GB HDD[*1]
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.84 kW (200 to 240V), 1.44 kW (100 to 127V)
Dimensions (W x D x H)	With document cover: 620 x 670 x 825 mm (24 13/32" x 26 3/8" x 32 31/64") With RSPF: 620 x 670 x 950 mm (24 13/32" x 26 3/8" x 37 25/64")
Weight	With document cover: Approx. 104 kg (229 lbs.) With RSPF: Approx. 112 kg (247 lbs.)
Features	Card shot, edge/centre erase, job build, pre-heat/auto power shut-off modes, user authentication (200 accounts)

Copier

Original paper size	Max. A3 (11" x 17")
First copy time[*2]	Full colour: 8.9 sec., B/W: 6.3 sec.
Continuous copy	Max. 999 copies
Resolution	Scan: 600 x 600 dpi, 600 x 300 dpi Print: 600 x 600 dpi
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)
Features[*3]	Auto paper selection (mixed/random size feeding), auto magnification selection, paper type selection, auto tray switching, rotation copy, electronic sorting, network tandem copy, book copy, margin shift, dual page copy, multi-shot (4-in-1, 2-in-1), cover/transparency/tab page insertion, pamphlet copy, 2-sided copy orientation change, XY zoom, B/W reverse, mirror image, duplex copy, toner save mode, reserved copy, job programme, image repeat, irregular original/paper size input, stamps (date, page number, text, stamp), multi-page enlargement, tab copy, centering, proof copy, document control, auto colour selection, enhanced Sharp auto colour mode, auto calibration

Printer

Resolution	600 x 600 dpi
Enhanced resolution	600 x 1200 dpi for B/W printing with PS Expansion Kit
Interface	USB 2.0: High-speed mode for printing, Full-speed mode for other functions
Supported OS[*4]	Windows NT® 4.0 SP5 or later, Windows Server® 2003, Windows® 98/Me/2000/XP, Windows Vista™, Mac OS 9.0 to 9.2.2, Mac OS X 10.1.5, 10.2.8, 10.3.3 to 10.3.9, 10.4
PDL emulation	Standard: SPLC-c (Sharp Printer Language with Compression-c) Option: PCL 6/5c[*5], PS3 emulation[*6]
Available fonts	Standard: Host-based Option: 80 fonts for PCL, 136 fonts for PS3 emulation
Features[*3] [*7]	Network tandem print, RIP Once/Print Many, job retention (print hold, proof print, confidential print), direct PDF/TIFF/JPEG printing, carbon copy print, duplex print, font and form download, pamphlet style, binding edge, N-up (2/4/6/8/9/16), paper/output tray selection, cover insertion, transparency interleave, fit to page, watermarks, offset output, form overlay, auto configuration, barcode font compatibility, tab print, poster print

Network Printer

Interface	10Base-T/100Base-TX
Network protocols	Standard: TCP/IP, NetBEUI Option[*8]: IPX/SPX (NetWare), EtherTalk (AppleTalk)[*4]
Printing protocols[*3]	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, Novell Printserver application with NDS and Bindery, FTP for downloading print files, EtherTalk printing, IPP
Features[*3] [*7]	Printer administration utility and status monitor, IP/MAC address filtering and port/protocol management

Network Scanner (optional MX-NSX1 and MX-SMX1 required)

Scan method	Push scan (via operation panel), pull scan (with TWAIN-supporting application)
Resolution	Push scan: 100, 200, 300, 400, 600 dpi Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 to 9600 dpi
File formats	TIFF, PDF, encrypted PDF, JPEG (colour only)
Scanner utilities	Sharpdesk
Scan destinations	Scan to e-mail, desktop, FTP server, network folder, USB memory
Features	Internet fax[*9], PC-Internet fax transmission[*9], enhanced Sharp auto colour mode, mixed size original scanning, LDAP support, direct entry (address, subject, message), 999 one-touch dials, 500 group dials, 48 job programmes, broadcasting, long original scanning (max. 800 mm), auto colour selection

Document Filing

Document filing capacity	Main and custom folders: 10GB, 1400 pages[*10] or 1000 files Quick file folder: 10GB, 1400 pages[*10] or 1000 files
Stored jobs	Copy, print, scan, fax transmission[*11]
Storage folders	Quick file folder, main folder, custom folder (max. 500 folders)
Confidential storage	Password protection

B/W Facsimile (optional MX-FXX1 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds[*12]
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	Standard: 203.2 x 97.8 dpi Extra Fine: 406.4 x 391 dpi
Recording width	A3 to A5 (11" x 17" to 5 1/2" x 8 1/2")
Memory	8MB flash memory
Grey scale levels	Equivalent to 256 levels
Features	Duplex transmission/reception, quick on-line transmission, error correction mode, F-Code compatibility (confidential, relay broadcast), LDAP support, 999 one-touch dials, 500 group dials, 48 job programmes, broadcasting number registration, polling, memory transmission/reception, auto reduction (transmission/reception), rotation transmission/reception, print actual size, 2-in-1 transmission, long original transmission (max. 800 mm), PC-Fax transmission, timer transmission, paperless faxing with inbound routing to e-mail, activity report, anti-junk fax, dual page scan, mixed size original scanning

* 1 : 1GB = One billion bytes when referring to hard drive capacity. Actual formatted capacity is less.
* 2 : Portrait feeding of A4 (8 1/2" x 11") sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, polygon in rotation.
* 3 : Some features require option(s).
* 4 : Optional MX-PKX1 required for Mac OS and EtherTalk.
* 5 : Optional MX-PBX1 and MX-SMX1 required.   * 6 : Optional MX-PKX1, MX-PBX1 and MX-SMX1 required.
* 7 : Some features are not available according to the printer driver used.
* 8 : Optional MX-PBX1 required.
* 9 : Optional MX-FWX1 and MX-SMX1 required; does not require MX-NSX1.
*10: Measured using Sharp's standard chart (A4 with 6% coverage, B/W). The Quick File Folder shares the HDD with the Job Build function; up to 10GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
*11: Optional MX-FWX1 required.
*12: Based on Sharp's standard chart with approx. 700 characters (A4 or 8 1/2" x 11" portrait) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.
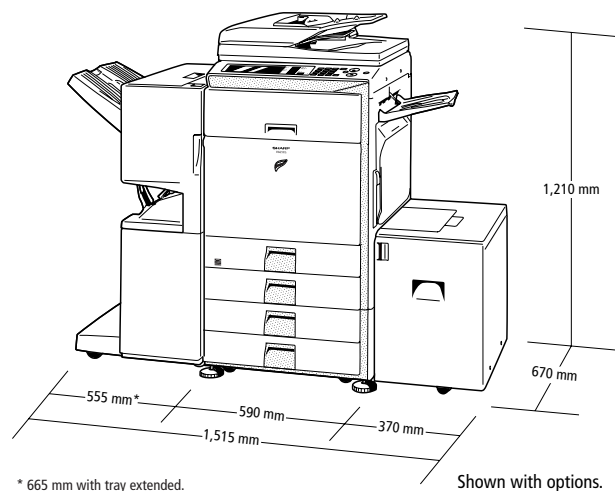
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1,210 mm
555 mm*
590 mm
370 mm
670 mm
1,515 mm

* 665 mm with tray extended.

Shown with options.