

# SHARP

**MX-M905**  
High Volume Digital Multifunction System



HIGH PERFORMANCE A3 BLACK AND  
WHITE MFP

You want top performance from your team /**This is Why** you need  
an MFP that can keep up with them

## Power. Versatility. Ease of use. /This is Why the MX-M905 brings production-class productivity to your organisation.

Capable of printing 90 pages per minute, all day, every day, with a wide variety of paper trays and finishing options, the new MX-M905 delivers top performance and maximum productivity.

Highly flexible, versatile and exceptionally reliable, the MX-M905 is capable of meeting the requirements of busy office departments, Central Reprographics Departments (CRDs) or print rooms.

### Professional print quality

As you would expect from Sharp, this rugged, high-volume MFP produces crisp and consistent 1200 x 1200 dpi print quality. What's more, our implementation of dithering technology enhances the reproduction of business graphics for consistently excellent documents, whatever their length or complexity.

Reports, newsletters, proposals, manuals and customer communications can be created quickly and be given a professional finished look with the wide selection of finishing options – professional hole punching for mechanical binding options, automatic insertion of colour pages, trimmed booklets, and a variety of fold options.

And, because it's from Sharp, you can be sure that it comes with some of the toughest commercially available security and a design which minimises its environmental impact.

MAXIMUM PRODUCTIVITY WITH  
MINIMUM OPERATOR SKILLS



## Technology should work for you /This is Why our printers are so easy to use.

Everything about the MX-M905 has been designed for ease of use. Job management is fast and efficient thanks to intuitive controls. A range of advanced settings bring simplicity to the most complex operations, even on special media.

The large 10.1" control panel, which tilts for optimum operator comfort, displays an interface which makes it easy to view and edit jobs before printing, reducing errors and improving efficiency. The user interface can also be displayed on a remotely\* connected PC or networked display unit for comfortable operation and convenient technical support.

For even greater ease of use, the control panel is fully customisable. Users can create their own home screens complete with unique backgrounds and shortcuts to their favourite and most frequently used features, making control fast and efficient. A keyboard is also available as an option.

Your colleagues and visitors can enjoy simple, walk-up printing and scanning. There's no need to connect from a laptop and open an application – just walk up, plug in your USB memory stick and get to work. The MX-M905 supports the direct and immediate printing of common file formats including those from Microsoft Office as well as PDFs and various graphics files.



10.1" INTUITIVE CONTROL PANEL DESIGNED FOR EASE OF USE

### Fast, versatile and convenient

Scanning to and printing from public cloud services is easy with a convenient Single Sign On option, and there's an efficient Optical Character Recognition function for converting hard copy text into an editable text file.

The MX-M905 is also ready to run Sharpdesk Mobile, our mobile printing and scanning application, as well as a wide range of apps that run under Sharp OSA (Open System Architecture). Plus, you can use it with any of our Optimised Software Solutions to achieve even greater productivity.



USB PORT FOR CONVENIENT WALK-UP PRINTING & SCANNING; INCLUDING MICROSOFT OFFICE FILES



KEYBOARD OPTION ENABLES EASY TEXT ENTRY

\*Requires VNC remote software application.

# Every organisation is different /This is Why we give you more choice.

Designed for endurance at top speed, the MX-M905 is fast enough for the busiest departments. But there's a lot more to productivity than just print speeds.

The raw power of this machine is enhanced by fast warm-up times and a rapid first copy out time for less waiting around. It can take on the longest print runs with ease, too. It's paper capacity can be expanded right the way up to 8,500 sheets and you can even replenish the paper and toner without interrupting the print run. Nothing gets in the way of the MX-M905.

Additional large capacity and bypass trays allow for the smooth production of a wide variety of professionally finished documents, and there's a range of useful finishing options to make life easier.

### Finishing options

- Saddle-stitch finisher for easy booklet making.
- 100-sheet staple finisher for thick, neatly presented documents.
- Punch-unit; for bound and hole punched documents.
- Multi-folding unit for Z, C, accordion, double and half-folds.
- Wide range of paper feed trays.
- Trimming unit for trimming between 2 and 20 sheets at a time.
- Document inserter for the insertion of coloured paper and/or pre-printed paper into the print run.

### Cutting through complexity

Clearly, the MX-M905 is a powerful and versatile printer. But that doesn't mean that you'll need to spend time learning the user manual. As soon as you start your first job you'll discover that we've tamed its high performance with an intuitive interface and common-sense controls that will help everyone in your office to make the best use of this remarkable machine.

## MID-PRINT CONSUMABLE REPLENISHMENT



## WIDE CHOICE OF PROFESSIONAL FINISHING OPTIONS & PAPER CAPACITY



## You want the best possible return on your investment **/This is Why** we deliver dependable productivity.

The rigid, high-quality construction of the MX-M905 is supported by a thoughtful design which makes it ideal for high-performance, high-volume printing with minimum downtime. Take the optional status lamp for example.

Mounted on a mast that can be seen from across the room, the prominent status lamp remains green when everything is OK, but turns red if intervention is required. It's a simple concept but evidence of design values that make a real difference to office productivity.



STATUS INDICATOR OPTION  
ENSURES OFFICE PRODUCTIVITY  
IS KEPT HIGH

### **Dependable reliability**

The optional triple air-feed\* system brings significant advantages over conventional roller feed systems, by eliminating the need to change rollers. This prevents jams and multi-feeds, improving reliability when working with a variety of stock.

Multi-feed detection, and smart ultrasonic detection of multiple feeds and misfeeds in the document feeder and paper feed sections, also help to prevent delays and maintain efficiency.

### **Easy access for rapid intervention**

Every minute spent attending to the printer is a minute lost. So with Sharp, you'll find that all of the routine maintenance areas can be easily accessed from the front of the device, reducing the time it takes to clear a paper jam or change toner.



FULL FRONT  
ACCESS

\*Requires the MX-LC13N.

## Your data is precious /This is Why we work hard to protect it.

Sharp protects your network and data with industry-leading security, including robust user authentication and four progressively comprehensive layers of protection.

TSL/SSL, IPsec, network protocol filtering are implemented as standard, and it's easy to increase your security further with administrator password protection, encrypted storage and secure data erasure. But that's just the start.

### Protection within and beyond your organisation

For even greater security, add the optional Data Security Kit. This gives you a suite of high security features including Document Control\*, which prevents documents originating from the MX-M905 from being scanned or copied on another Sharp MFP.

For the greatest protection, as required by Government, Military and Legal organisations, your IT Administrator can permanently enable our fourth mode, which conforms to the Hard Copy Device Protection Profile (HCD PP) standard.

### Preventing accidental disclosure

A more common threat to data security comes not from malicious attacks but simply from leaving confidential hard copy documents in the output tray where they could be seen by other users. The MX-M905 prevents this by letting you protect your print job with a print release password.

The job will be held in a secure print queue until you enter your password at the control panel of the MFP. Nothing gets left in the open; nothing is mislaid.



FOUR LAYERS OF  
NETWORK AND  
DATA PROTECTION

\*Requires Data Security Kit option

## We share your concern about the environment /This is Why we use greener technology from design to delivery.

You probably already know that Europe has some of the most extensive environmental laws in the world, addressing a far-reaching range of issues such as acid rain, the protection of the ozone layer, air quality, noise pollution, waste and water pollution, and sustainable energy.

At Sharp, we take our environmental responsibilities extremely seriously and we like to help our customers do the same. So whether you have implemented your own formal environmental policy or you just want to reduce the waste of energy and other resources, you can be sure that the MX-M905 is a great choice.

Thanks to our use of bioplastic, the resource-saving features of the MX-M905 start even before it's switched on. Bioplastic is derived from renewable biomass sources which not only use fewer irreplaceable resources but also reduce the production of CO<sup>2</sup> during the manufacturing process.

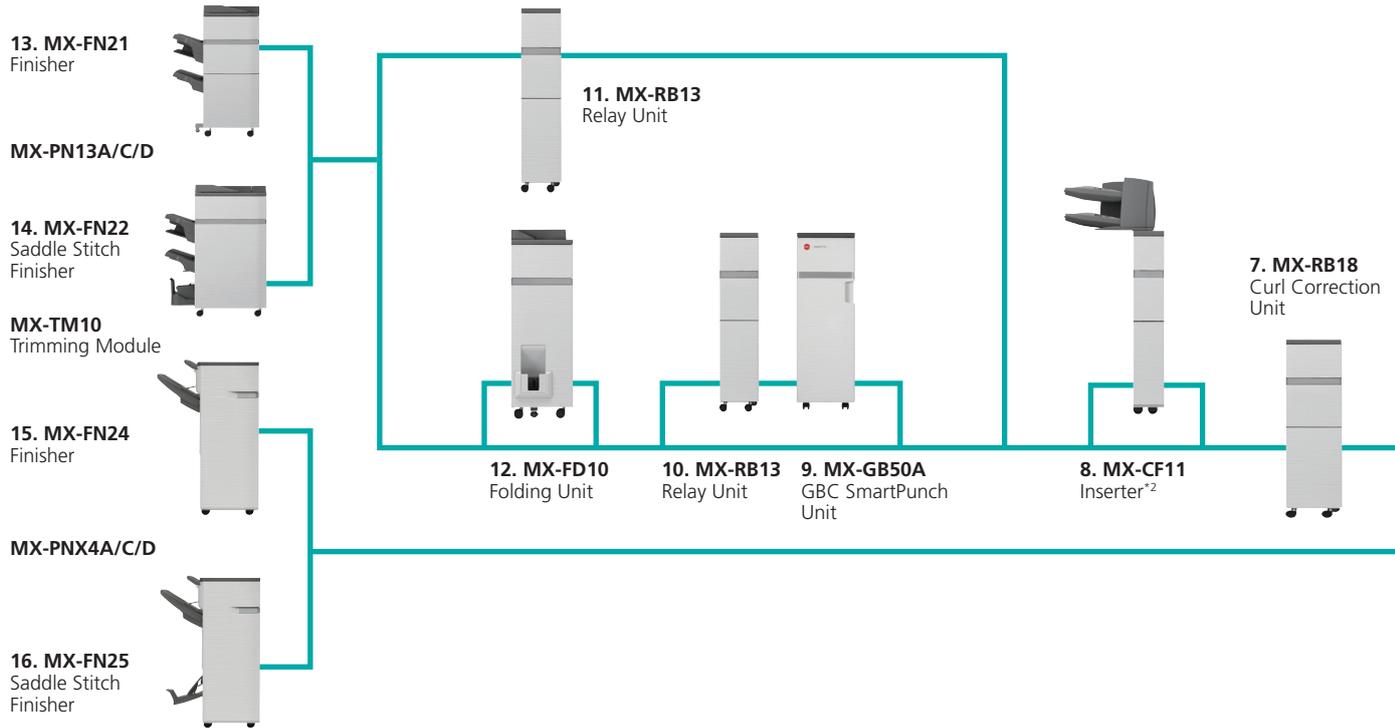
We also use carbon-neutral materials in the toner.

Other thoughtful features include a scanner that's equipped with energy-efficient LED lights for a lower power consumption, and an 'Eco-scan' mode which prevents the fuser from being heated when the printer is being used for scan-only jobs.



ENVIRONMENTALLY FRIENDLY:  
ECO-SCAN & ENERGY EFFICIENT  
LED LIGHTS

## Options & Configuration Examples



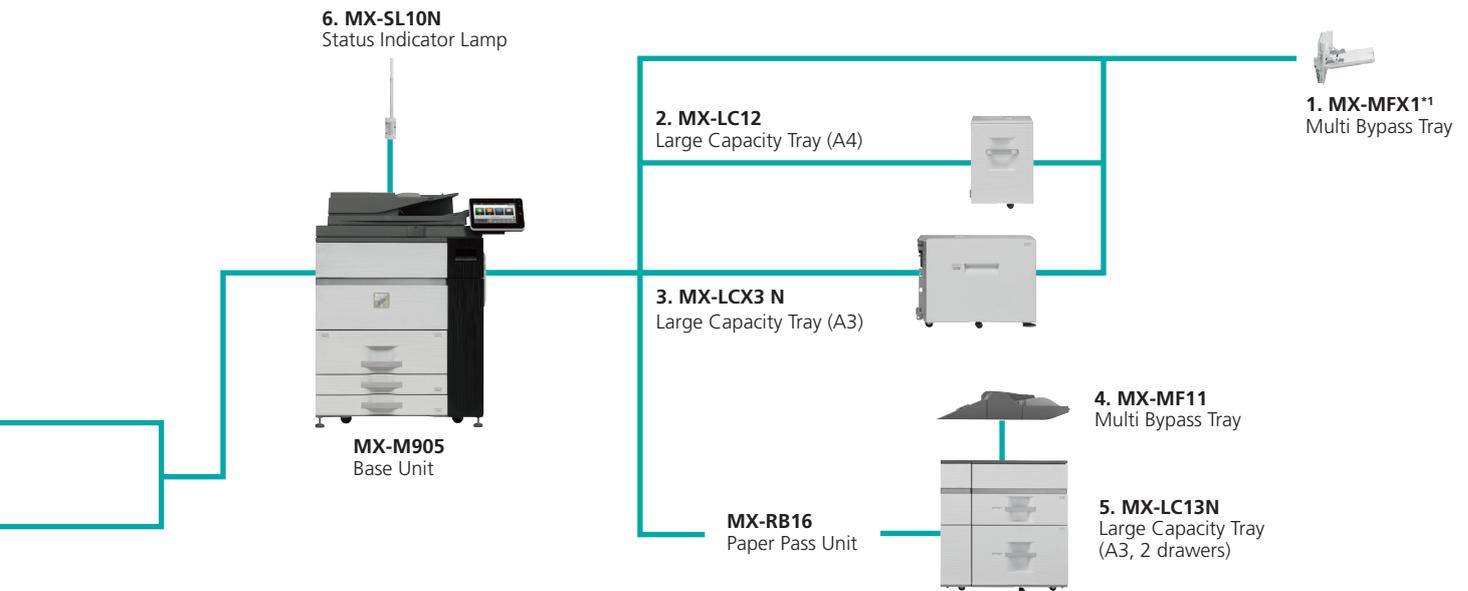
\*1 Required for minimum configuration. \*2 Requires MX-RB13 or MX-FD10.

**CONFIGURATION EXAMPLE 1:**  
 IDEAL FOR LARGE DEPARTMENTAL OFFICES SUCH AS HEALTHCARE, SCHOOLS & COLLEGES



- A4, A3 and SRA3 paper handling
- 3,100-sheet paper capacity
- 3,000-sheet finisher (MX-FN24)
- 50-sheet stapling (MX-PNX4A/C/D)

## Options & Configuration Examples



CONFIGURATION  
EXAMPLE 2:  
IDEAL FOR LOCAL  
GOVERNMENT,  
MANUFACTURING,  
LEGAL &  
FINANCIAL



- A4, A3 and SRA3 paper handling
- 8,500-sheet paper (MX-LC13N & MX-MF11)
- 4,000-sheet finisher (MX-FN22)
- 100-sheet stapling (MX-PN13A/C/D)
- 20-sheet booklets (MX-FN22)
- Inline trimming (MX-TM10)
- Various folding options (MX-FD10)
- Inserter (MX-CF11)
- Curl correction (MX-RB18)

## Base Unit

### MX-KB13 Keyboard

**1. MX-MFX1 Multi Bypass Tray**  
(for main machine)  
A5R-A3W, 100 sheets (80 g/m<sup>2</sup>)  
Can be end of configuration.

**2. MX-LC12 Large Capacity Tray (A4)**  
A4-B5, 3,500 sheets (80 g/m<sup>2</sup>)  
Requires MX-MFX1. Cannot be installed  
with MX-LC13N or MX-LCX3 N.

**3. MX-LCX3 N Large Capacity Tray (A3)**  
Requires MX-MFX1. Cannot be installed  
with MX-LC12 or MX-LC13N.

**4. MX-MF11 Multi Bypass Tray**  
(for MX-LC13N)  
A3-A5R, 500 sheets (80 g/m<sup>2</sup>).

**5. MX-LC13N Large Capacity Tray**  
(2 drawers)  
A3-A4, 2,500 sheets each (80 g/m<sup>2</sup>)  
Requires MX-RB16. Cannot be installed  
with MX-LC12 or MX-LCX3 N.

**MX-RB16 Paper Pass Unit**  
(between machine and MX-LC13N)  
Required if MX-LC13N is installed.

**6. MX-SL10N Status Indicator lamp**

## Finishing

**7. MX-RB18 Curl Correction Unit**  
Corrects paper by putting pressure on  
the convex/concave curl  
Required if MX-FN21 or MX-FN22 is installed.

**8. MX-CF11 Inserter** (200-sheet x 2 bin)  
A3-A5R, 200 sheets each (80 g/m<sup>2</sup>)  
Requires MX-RB18 and either  
MX-RB13 or MX-FD10.

### 9. MX-GB50A GBC SmartPunch Unit

Paper size A4  
Available die sets:  
21 holes, Plastic Comb  
20 holes, Plastic Comb  
47 holes, Color Coil  
23 holes, Wire 2:1/Square  
23 holes, Wire 2:1/Round  
34 holes, Wire 3:1/Square  
34 holes, Wire 3:1/Round  
12 holes, VeloBind  
34 holes, ProClick  
2 holes/Round (8mm pin)  
4 holes/Round (8mm pin)  
2 holes/Round (6.5mm pin)  
4 holes/Round (6.5mm pin)  
4 holes Scandinavian  
Custom die sets also available on request  
Requires MX-RB13 and either MX-FN21 or MX-FN22.

**10. MX-RB13 Relay Unit** (between 100-sheet Finisher and Inserter)  
Must be installed if MX-FD10 is not required.

**11. MX-RB13 Relay Unit**



Keyboard



Multi Bypass Tray



Inserter



CombBind®



WireBind



ProClick®



Color Coil®



2 hole



VeloBind®

### 12. MX-FD10 Folding Unit

Folding options include Z, C,  
accordion, double & half folds  
Can only be installed with MX-FN21  
or MX-FN22.

### 13. MX-FN21 Finisher

(4k - 100-sheet staple)  
A3 - B5 (offset/staple), SRA3 - A5R  
(non offset)  
Upper tray: 1,500 sheets\*  
Middle tray: 250 sheets\*  
Lower tray: 2,500 sheets\*  
100-sheet\* staple capacity  
(front, rear or 2 point stitching)  
Requires MX-RB18. Cannot be installed  
with MX-FN22.

### 14. MX-FN22 Saddle Stitch Finisher

(4k - 100-sheet staple)  
Requires MX-RB18. Cannot be installed  
with MX-FN21.  
(4k - 100-sheet staple)  
A3 - B5 (offset/staple), SRA3 - A5R (non offset)  
Upper tray: 1,500 sheets\*  
Middle tray: 250 sheets\*  
Lower tray: 2,500 sheets\*  
100-sheet\* staple capacity  
(front, rear or 2 point stitching)  
Saddle stitch tray: 5 sets (16-20 sheets),  
10 sets (11-15 sheets), 15 sets (6-10 sheets),  
25 sets (1-5 sheets). Max 20 sheets per set.  
Requires MX-RB18. Cannot be installed with MX-FN21.

**MX-PN13A/C/D Punch Module** (A: 2, C: 2/4, D: 4 wide)  
Requires MX-FN21 or MX-FN22

### MX-TM10 Trimming Module

Can only be installed with MX-FN22

**15. MX-FN24 Finisher** (3k - 50-sheet staple)  
A3-B5R (offset/staple), A3W - A5R (non offset)  
Offset tray: 3,000 sheets\*  
Top tray: 250 sheets\*  
50-sheet\* staple capacity  
(front, rear or 2 point stitching)  
Cannot eject SRA3 paper, cannot be installed  
with MX-FN24.

### 16. MX-FN25 Saddle Stitch Finisher

(2k - 50-sheet staple)  
A3-B5R (offset/staple), A3W - A5R (non offset)  
Offset tray: 2,000 sheets\*  
Top tray: 250 sheets\*  
50-sheet\* staple capacity  
(front, rear or 2 point stitching)  
Saddle stitch tray: 10 sets (11-15 sheets),  
15 sets (6-10 sheets), 30 sets (2-5 sheets)  
Cannot eject SRA3 paper, cannot be installed  
with MX-FN24.

**MX-PNX4A/C/D Punch Module** (A: 2, C: 2/4, D: 4 wide)  
Requires MX-FN24 or MX-FN25.



Folding Unit



Finisher



Saddle Stitch Finisher



Finisher



Saddle Stitch Finisher

\* A4 or smaller, 80 g/m<sup>2</sup>.

## Faxing

MX-FWX1 Internet-Fax Expansion Kit  
MX-FX15 Fax Expansion Kit

## Printing

MX-PF10 Barcode Font Kit

## Scanning

AR-SU1 Stamp Unit  
Marks already scanned documents for checking.

## Security

MX-FR54U Data Security Kit  
(commercial version)

## Sharpdesk Licenses

MX-USX1/X5/10/50/A0  
1/5/10/50/100-License Kit

## Sharp OSA®

MX-AMX1 Application Integration Module

# Specifications

## General

<b>Engine speed</b> (ppm/cpm) (Max)	
A4*1	90
A3	47
<b>Base Unit Paper size</b> (Min-Max)	
Drawer 1 & 2	A4
Drawer 3	B5R - A3W
Drawer 4	A5R*2 - A3W
Multi bypass	A5R*2 - SRA3
<b>Paper weight</b> (g/m <sup>2</sup> )	
Drawer 1 & 2	60 - 105
Drawer 3 & 4	60 - 220
Multi bypass (MX-MFX1)	52 - 300
Multi bypass (MX-MF11)	52 - 220
LCT (MX-LC12 & MX-LCX3 N)	60 - 220
LCT (MX-LC13 N)	52 - 300

<b>Paper capacity</b> (Std - Max)	
Sheets	3,100 - 8,500
Drawers	4 - 8 (plus multi bypass tray)
<b>Warm-up time</b> *3 (seconds)	210 or less
<b>Duplex</b>	Standard
<b>Memory</b>	
Copier/Printer (shared)	6 GB
HDD*4	1 TB
<b>Power requirements</b>	Rated local AC voltage $\pm 10\%$ , 50/60 Hz
<b>Power consumption</b> (kW) (Max)	2.3
<b>Dimensions</b> (mm) (W x D x H)	1,086 x 791 x 1,237
<b>Weight</b> (kg)	302

## Copier

<b>Original paper size</b> (Max)	A3
<b>First copy time</b> *5 (seconds)	4.0
<b>Continuous copies</b> (Max)	9,999
<b>Resolution</b> (dpi)	600 x 600, 600 x 400, 600 x 300
<b>Halftone gradation levels</b>	256
<b>Zoom range</b> (%)	25 - 400 (25 - 200 using DSPF) in 1% increments
<b>Preset copy ratios</b>	10 (5R/5E)

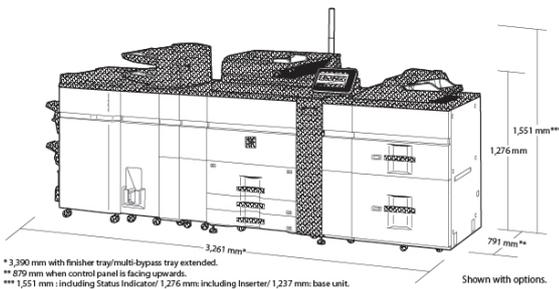
## Network Printer

<b>Resolution</b> (dpi)	1200 x 1200, 600 x 600
<b>Interface</b>	USB2.0, 10Base-T / 100Base-TX / 1000Base-T
<b>Supported OS</b>	Windows Server® 2008, 2008 R2, 2012, 2012 R2, 2016 / Windows Vista® / Windows® 7 / Windows® 8.1 / Windows 10 / Mac OS X, 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12
<b>Network protocols</b>	TCP/IP (IPv4 & IPv6), IPX/SPX (Netware), EtherTalk (AppleTalk)
<b>Printing protocols</b> *6	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, FTP for downloading print files, IPP, SMB, WSD
<b>PDL</b>	Std PCL6 Emulation, Adobe® PostScript® 3™
<b>Available fonts</b>	
PCL	80
Genuine Adobe® PostScript® 3™	139

## Wireless LAN

<b>Compliant regulation</b>	IEEE802.11n/g/b
<b>Access mode</b>	Infrastructure mode, Software AP mode
<b>Security</b>	WEP, WPA Personal, WPA Enterprise*7, WPA2 Personal, WPA2 Enterprise*7
<b>Preset copy ratios</b>	10 (5R/5E)

## External Dimensions



## Scanning

<b>Scan method</b>	Push scan (via operation panel) Pull scan (TWAIN-compliant application)
<b>Resolution</b> (dpi)	Push scan: 100, 150, 200, 300, 400, 600 Pull scan: 75, 100, 150, 200, 300, 400, 600 50 - 9,600 via user setting*8
<b>File formats</b>	TIFF, PDF, PDF/A-1b, encrypted PDF, XPS, compact PDF*9, JPEG*9, XPS, searchable PDF, Microsoft Office (pptx, xlsx, docx), txt (TXT), rich text (RTF)
<b>Scan destinations</b>	Scan to e-mail, desktop, FTP server, network folder (SMB), USB memory
<b>Scanner utilities</b>	Sharpdesk

## Document Filing

<b>Document filing capacity</b> *10	(pages/or files)
Main folder & Custom Folder	35,000 or 5,000
Quick file folder	10,000 or 1,000
<b>Stored jobs</b>	Copy, print, scan, fax transmission*11
<b>Storage folders</b>	Quick folder, main folder, custom folder (max.1,000)
<b>Confidential storage</b>	Password protection

## Fax (requires optional MX-FX15)

<b>Compression method</b>	MH/MR/MMR/JBIG
<b>Communication protocol</b>	Super G3/G3
<b>Transmission time</b> *12 (seconds)	Less than 3
<b>Modem speed</b> (bps)	33,600 - 2,400 with automatic fallback
<b>Transmission resolution</b> (dpi)	
Std	203.2 x 97.8
Ultra Fine	406.4 x 391
<b>Recording width</b>	A5 - A3
<b>Memory</b> (GB) (Min - Max)	1
<b>Grey scale levels</b>	256

## Notes

\*1: Long-edge feeding. \*2: Only short-edge feeding can be used with A5 (5 1/2" x 8 1/2") paper. \*3: At rated voltage, 23°C (73.4°F). May vary depending on operating conditions and environment. \*4: HDD capacity depends on procurement and sourcing status. \*5: Short-edge feeding of A4 (8 1/2" x 11") sheets from 2nd paper tray, using document glass, MFP in fully ready condition. May vary depending on operating conditions and environment. \*6: IPv6 is supported only by LPR printing protocol. \*7: Not applicable to Software AP mode. \*8: Resolution will vary depending on the size of the scanned area. \*9: Colour/greyscale only. \*10: Storage capacity will vary depending on the type of document and the scan settings. \*11: Requires optional MX-FX15. \*12: 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, JBIG compression.

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# SHARP

Inspiring ideas from technology

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