SHARP

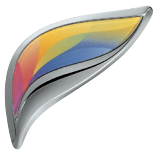**MX-6050N/MX-5050N
MX-4050N/MX-3550N/MX-3050N**

Digital Full Colour Multifunctional System

Model shown MX-5050N

A3 COLOUR MFPs THAT ARE ADAPTABLE TO YOUR FUTURE NEEDS

When you invest in technology you're planning for growth /This is Why our MFPs adapt to meet your needs.

There are always new challenges to overcome /This is Why our MFPs are fit for the future.

When it comes to office equipment, you're not just buying for today, you're investing in the future – preparing to meet new (perhaps unexpected) challenges. That's why, with their broad range of options and upgrades, our versatile A3 colour MFPs are a great choice now and in the years ahead.

There are five cloud-capable models to choose from: the high performance MX-6050N and MX-5050N, which print and copy at an impressive 60 and 50 pages per minute (ppm), our mid-range 40 and 35 ppm MX-4050N and MX-3550N or, the 30 ppm MX-3050N for smaller workgroups.

All the essentials as standard…

Every essential feature is included as standard and everything can be controlled from a large 10.1" colour LCD touchscreen, which tilts for easy viewing and gives you intuitive access to every function. It will even recommend the most environmentally-friendly setting for each task.

In addition, each user can customise the screen which supports multi-touch gestures for easily previewing and editing copy and scan jobs.

Scanning is fast and intuitive and you can scan mixed batches of colour and black & white documents automatically, even if they are of different sizes and weights.

Paper drawers accommodate up to SRA3 media and weights up to 300 g/m^2, for maximum versatility. And as no one likes interruptions you'll be reassured to know that you can even top up the toner* and paper supplies without pausing the print / copy run.

…with all these extra-value options to choose from

These new MFPs really are designed to adapt to your needs. Options include:

- A wide range of finishing solutions including saddle-stitching, manual and stapleless stapling
- Single Sign-On capability for rapid access to popular cloud services
- Sharp OSA (Open Systems Architecture) for integration with network and cloud-based applications
- A range of Optimised Software Solutions for easier and more productive scanning, printing and mobile connectivity
- Compact PDF capability for scanning into convenient file sizes
- Adobe® PostScript® 3™ for enhanced graphics processing
- Fax expansion
- Job Separator Tray to prevent copy, print and fax jobs from getting mixed up
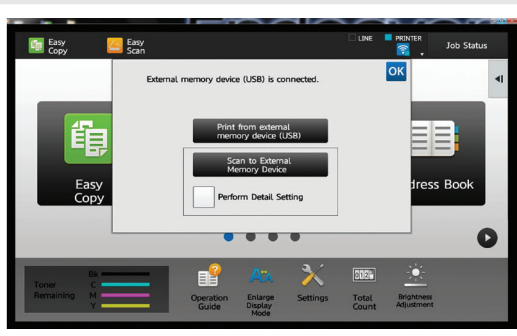
*MX-6050N & MX-5050N only

Time is often limited /This is Why our MFPs are designed to do so much more.

These versatile MFPs can act as print servers to give you 'Pull Printing' capability. This means that you can send a print job to your chosen device or use 'Print Release' to print your documents from another networked MFP, in the same range, at a time and location that's convenient to you.

Not only does that give you the flexibility of collecting your output when you want but it also protects against sensitive documents being left out in the open.

COLLECT JOBS AT ANY NETWORKED MFP

If you have Microsoft Office files on a USB memory stick you can simply plug into the MFP, select your files and start printing*. Scanning to the memory stick, or to the cloud or for immediate output, is just as easy.

SIMPLY PLUG YOUR USB MEMORY STICK INTO THE MFP AND START PRINTING

Our unique auto process control and developer refresh system work together to deliver page after page of consistently superior quality, and the Auto Colour Mode lets you scan and copy colour documents without the need to fine-tune any settings.

There's nothing complex, just consistently high quality from mixed content originals.

SUPERB IMAGE QUALITY

*Optional MX-PU10 required to print Microsoft Office files.

No one wants to read the manual /This is Why our MFPs make office life easier, for everyone.

It's important to invest in technology that's easy to use, with the minimum of intervention, so it's good to know that every major feature can be accessed from a highly customisable 10.1" colour LCD touchscreen. We've even added integrated web browsing.

There's nothing to learn and even the most advanced controls can be mastered in moments.

Advanced Functionality

We're all used to accessing data and documents from our phones, tablets and notebooks. But now you can print from them, too. Simply add the wireless LAN and Postscript options and use Sharpdesk Mobile to print from your mobile device, or use any App that supports Google Cloud Print or the Android printing framework (Sharp Print Service Plugin). Plus, we've added yet another connectivity breakthrough for making life easier for mobile workers: AirPrint technology broadcasts a signal to iPhone, iPad, and Mac environments, so the user knows that a nearby MFP is available.

We've added a Single Sign-On capability, too. That means that your team members can sign on at the control panel for immediate access to their favourite cloud applications and storage services, including Google Drive™, OneDrive® and SharePoint® Online, without having to re-enter their log in details. Printing directly from the cloud and scanning documents from the MFP up to the cloud has never been easier. And mail service connectors conveniently send scanned data directly to recipients in your Gmail™ or Microsoft Exchange account.

Tough security

Sharp MFPs come with robust security features, such as the encryption and secure erasure of data on the hard disk (automatically as well as on-demand), password controlled access for routine user authentication and a useful Data Initialisation feature to erase data from your MFP when the time comes to replace it.

For even greater security, a third party card reader adds tighter access control, and a secure network interface, SSL, IPsec and port-based network protection defend against the most determined attacks. We even help you prevent the unauthorised copying, scanning, faxing and filing of confidential documents, with our Document Control Function*.

We guard against accidents too, with features such as password-protected PDFs, a Hidden Pattern Print feature which can reveal a watermark and Confidential PIN Printing which requires the user to be present at the MFP before printing begins.

All this, plus S/MIME for secure email communications, advanced data protection and high security logins and user authentication.

Energy efficient

Low melt toner, configurable and automatic power on/off settings, Eco Scan and a shorter warm up time are just some of the many features that ensure extremely low energy consumption.

In addition, the control panel display will prompt users to select the most environmentally friendly option before starting a job and the toner cartridge automatically ejects only when the toner has been fully exhausted, eliminating waste.

* Requires optional Data Security Kit.

Busy managers optimise productivity /This is Why Sharp optimises workflows.

These next generation printers will transform the productivity of any workgroup. Your whole team will find that printing, copying, scanning and finishing documents is fast, easy and efficient. But that's just the start.

There's a full range of extra-value options and upgrades to choose from, too. For example, if you couple one of these next-generation MFPs with Cloud Portal Office and one or more of our Optimised Software Solutions, you'll see productivity elevated right across the workgroup.

Cloud Portal Office

Cloud Portal Office is our award-winning business-class collaboration service which connects phones, tablets, PCs, Sharp MFPs and our BIG PAD interactive whiteboards together in a single, seamless information environment.

In other words, everyone gets on-demand, walk-up access to every document that's stored in the cloud. You can also scan automatically indexed documents directly to a folder in the cloud, and send email alerts to colleagues who need them, all from the MFP.
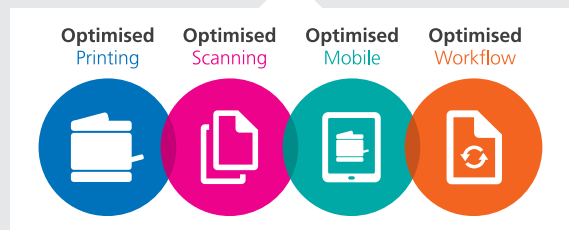
Optimised Software Solutions

We've created our range of Optimised Software Solutions to help you reduce costs, increase efficiency and improve security. Do more with your new Sharp MFP and boost your productivity by adding one or more of these optional solutions:

Our **Optimised Printing Solutions** help you monitor and manage your print and copy usage, so you can eliminate unauthorised use, track and recover costs and reduce waste.
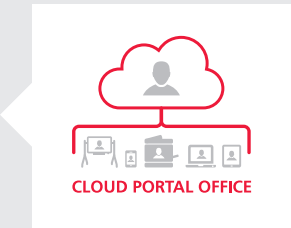
Our **Optimised Scanning Solutions** save time and prevent costly errors by simplifying and automating the capture, storage and sharing of documents, regardless of their format or purpose.

Our **Optimised Mobile Solutions** help people to connect tablets, phones and laptops simply and securely, so they're always in touch.
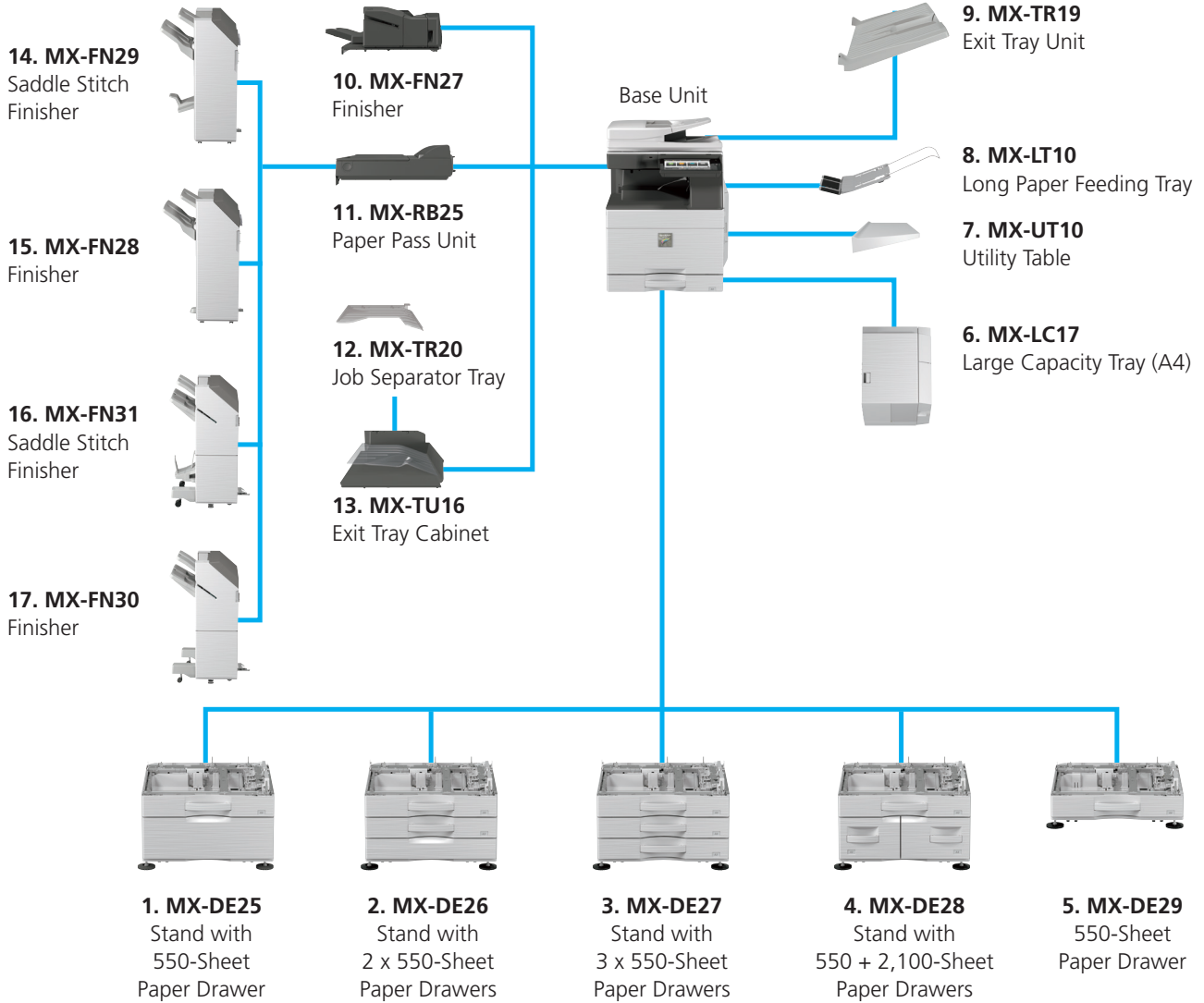
Our **Optimised Workflow Solutions** help reduce costs and streamline repetitive tasks, restoring the business productivity you need to achieve and maintain profitable growth.

Optimised Printing   **Optimised** Scanning   **Optimised** Mobile   **Optimised** Workflow

CLOUD CAPABLE MFP AND OPTIMISED SOFTWARE SOLUTIONS

CLOUD PORTAL OFFICE

14. MX-FN29
Saddle Stitch
Finisher

10. MX-FN27
Finisher

Base Unit

9. MX-TR19
Exit Tray Unit

15. MX-FN28
Finisher

11. MX-RB25
Paper Pass Unit

8. MX-LT10
Long Paper Feeding Tray

7. MX-UT10
Utility Table

12. MX-TR20
Job Separator Tray

6. MX-LC17
Large Capacity Tray (A4)

16. MX-FN31
Saddle Stitch
Finisher

13. MX-TU16
Exit Tray Cabinet

17. MX-FN30
Finisher

1. MX-DE25
Stand with
550-Sheet
Paper Drawer

2. MX-DE26
Stand with
2 x 550-Sheet
Paper Drawers

3. MX-DE27
Stand with
3 x 550-Sheet
Paper Drawers

4. MX-DE28
Stand with
550 + 2,100-Sheet
Paper Drawers

5. MX-DE29
550-Sheet
Paper Drawer

MX-3550N Base Unit
Exit Tray Cabinet
550-Sheet Paper Drawer

MX-3550N Base Unit
Inner Finisher
Stand with 550 + 2,100-Sheet Paper Drawers
Exit Tray Unit

MX-5050 Base Unit
Stand with 3 x 550-Sheet Paper Drawers
Finisher + Paper Pass Unit
Exit Tray Unit
Large Capacity Tray

Base Unit

1. MX-DE25 Stand with 550-Sheet Paper Drawer
550 sheets*[1] , SRA3 to A5R (60 - 300 g/m^2)

2. MX-DE26 Stand with 2 x 550-Sheet Paper Drawer
550 sheets*[1] each for lower and upper trays, SRA3 to A5R
(60 - 300 g/m^2)

3. MX-DE27 Stand with 3 x 550-Sheet Paper Drawer
550 sheets*[1] each for lower and upper trays, SRA3 to A5R
(60 - 300 g/m^2)

4. MX-DE28 Stand with 550 + 2,100-Sheet Paper Drawer
Upper tray: SRA3 – A5R, 550 sheets*[1] (80 g/m^2)
Lower tray (Left): A4, 1,200 sheets*[1] (60 - 105 g/m^2)
Lower tray (Right): A4 - B5, 900 sheets*[1] (60 - 105 g/m^2)

5. MX-DE29 550-Sheet Paper Drawer
550 sheets*[1], SRA3 to A5R (60 - 300 g/m^2)

6. MX-LC17 Large Capacity Tray (A4)
3,000 sheets*[1], A4 - B5 (60 - 220 g/m^2)

7. MX-UT10 Utility Table

Finishing

8. MX-LT10 Long Paper Feeding Tray
Recommended for banner printing

9. MX-TR19 Exit Tray Unit

10. MX-FN27 Inner Finisher
A3 - B5 (offset/staple), SRA3 - A5R (non offset)
Offset tray (upper): max. 500-sheet paper capacity*[1]
Stapling capacity: max. 50-sheet multi-position staple*[1]
Staple position: 3 locations (front, rear or 2 point stitching)
Manual Stapling: 1-point at rear (Flat), 45 sheets (64 g/m^2),
40 sheets (80 g/m^2)
Stapleless capacity: max.5-sheet (64 g/m^2), 4 sheet (65 – 81.4 g/m^2),
3 sheet (81.5 - 105 g/m^2)
Stapleless position: 1-point at rear (Slant), A3 - B5

Optional Punch Module for MX-FN27:
MX-PN14C - 2/4 Hole Punch Module
MX-PN14D - 4 Hole Wide Punch Module

11. MX-RB25 Paper Pass Unit
Required when using MX-FN28, MX-FN29, MX-FN30 & MX-FN31

12. MX-TR20 Job Separator Tray
Requires MX-TU16 Exit Tray Cabinet

13. MX-TU16 Exit Tray Cabinet

14. MX-FN29 1k Saddle Stitch Finisher
A3W - A5R (offset/staple), SRA3 - A5R (non offset)
Offset tray (upper): max.1,000-sheet paper capacity*[1]
Stapling capacity: max. 50-sheet multi-position staple*[1]
Staple position: 1-point at front (Flat), 1-point at back (Flat),
2 point stitching
Saddle stitch tray (lower): 7 sets (11-15 sheets), 10 sets (6-10 sheets),
20 sets (1-5 sheets). 15 sheets max per set

15. MX-FN28 1k Finisher
A3W - A5R (offset/staple), SRA3 - A5R (non offset)
Offset tray (upper): max.1,000-sheet paper capacity*[1]
Stapling capacity: max. 50-sheet multi-position staple*[1]
Staple position: 1-point at front (Flat), 1-point at back (Flat),
2 point stitching

Optional Punch Module for MX-FN29 & MX-FN28:
MX-PN15C - 2/4 Hole Punch Module
MX-PN15D - 4 Hole Wide Punch Module

16. MX-FN31 3k Saddle Stitch Finisher
A3 - B5 (offset/staple), SRA3 - A5R (non offset)
Offset tray (upper): max.3,000-sheet paper capacity*[1]
Stapling capacity: max. 65-sheet multi-position staple*[1]
Staple position: 1-point at front (Slant), 1-point at back (Slant),
2 point stitching
Manual Stapling: 1-point at rear (Flat), 45 sheets (64 g/m^2),
40 sheets (80 g/m^2)
Stapleless capacity: max.5-sheet (64 g/m^2), 4 sheet (65 – 81.4 g/m^2),
3 sheet (81.5 - 105 g/m^2)
Stapleless position: 1-point at rear (Slant), A3 - B5
Saddle stitch tray (lower): 10 sets (11-15 sheets),
15 sets (6-10 sheets), 25 sets (1-5 sheets). 20 sheets max per set

17. MX-FN30 3k Finisher
A3 - B5 (offset/staple), SRA3 - A5R (non offset)
Offset tray (upper): max.3,000-sheet paper capacity*[1]
Stapling capacity: max. 65-sheet multi-position staple*[1]
Staple position: 1-point at front (Slant), 1-point at back
(Slant), 2 point stitching
Manual Stapling: 1-point at rear (Flat), 45 sheets (64 g/m^2),
40 sheets (80 g/m^2)
Stapleless capacity: max.5-sheet (64 g/m^2), 4 sheet (65 – 81.4 g/m^2),
3 sheet (81.5 - 105 g/m^2)
Stapleless position: 1-point at rear (Slant), A3 - B5

Optional Punch Module for MX-FN31 & MX-FN30:
MX-PN16C - 2/4 Hole Punch Module
MX-PN16D - 4 Hole Wide Punch Module

Printing

MX-PK13 PS3 Expansion Kit
Enables PostScript printing

MX-PU10 Direct Print Expansion Kit

MX-PF10 Barcode Font Kit
Enables barcode printing

Faxing

MX-FX15 Fax Expansion Kit

MX-FWX1 Internet Fax Expansion Kit

Connectivity

MX-EB18 Wireless LAN Adaptor
Enables connection to wireless networks

Scanning

MX-EB11 Enhanced Compression Kit
Enables creation of high compression PDFs

AR-SU1 Stamp Unit
Marks already scanned documents for checking

Sharpdesk Licenses

MX-USX1/X5
1/5-License Kit

MX-US10/50/A0
10/50/100-License Kit

Sharp OSA®

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

Security

MX-FR51U Data Security Kit
Commercial Version

*[1] Number of sheets based on 80 g/m^2.

Specifications

General

Engine speed (ppm/cpm) (Max)	A4*[1]	A3	SRA3
MX-6050N	60	30	29
MX-5050N	50	26	24
MX-4050N	40	20	18
MX-3550N	35	18	16
MX-3050N	30	16	15

Control panel display	10.1-inch colour LCD touchscreen
Paper size (Min – Max)	SRA3 – A5*[2]

Paper weight (g/m²)	
Tray	60 - 300
Multi-bypass	55 - 300

Paper capacity (Std – Max)	
Sheets	650 - 6,300
Drawers	1 - 4 (plus bypass tray)

Warm-up times*[3] (seconds)	
MX-6050N/MX-5050N	15
MX-4050N/MX-3550N/MX-3050N	10

Memory (GB)	
Copier/Printer (shared)	5
HDD*[4]	250

Power requirements	Rated local AC voltage ±10%, 50/60 Hz

Power consumption (kW) (Max)	
MX-6050N/MX-5050N	2.07 (220 to 240V)
MX-4050N/MX-3550N/MX-3050N	1.84 (220 to 240V)

Dimensions (mm) (W x D x H)*[5]	608 x 650 x 834

Weight (kg)	
MX-6050N/MX-5050N	82
MX-4050N/MX-3550N/MX-3050N	79

Copier

Original paper size (Max)	A3

First copy time*[6] (seconds)	Full colour	B/W
MX-4050N/MX-3550N/MX-3050N	6.7	4.7
MX-6050N/MX-5050N	4.8	3.7

Continuous copies (Max)	9,999

Resolution (dpi)	
Scan (colour)	600 x 600
Scan (B/W)	600 x 600, 600 x 400, 600 x 300
Print	
MX-6050N/MX-5050N	1200 x 1200, 600 x 600, 9600 (equivalent) x 600
MX-4050N/MX-3550N/MX-3050N	600 x 600, 9600 (equivalent) x 600 (depending on copy mode)

Gradation levels	256
Zoom range (%)	25 – 400, (25 – 200 using RSPF) in 1% increments
Preset copy ratios (Metric)	10 ratios (5R/5E)

Network Scanner

Scan method	
	Push scan (via control panel)
	Pull scan (TWAIN-compliant application)

Scan speed*[7] (ipm)	One-sided	Two-sided
	80	25

Resolution (dpi) (Max)	
Push scan	100, 150, 200, 300, 400, 600
Pull scan	75, 100, 150, 200, 300, 400, 600
	50 to 9,600 dpi via user setting

File formats	TIFF, PDF, PDF/A, encrypted PDF, compact PDF*[8] *[9], JPEG*[9], XPS
Scan destinations	Scan to e-mail, desktop, FTP server, network folder (SMB), USB memory, HDD
Scanner utilities	Sharpdesk

Wireless LAN (optional MX-EB18 required)

Compliant regulation	IEEE802.11n/g/b
Access mode	Infrastructure mode, Software AP mode
Security	WEP, WPA/WPA2-mixed PSK, WPA/WPA2-mixed EAP*[10], WPA2 PSA, WPA2 EAP*[10]

Document Filing

Document filing capacity*[11]	Pages	Files
Main & custom folders	20,000	3,000
Quick file folder	10,000	1,000

Stored jobs*[12]	Copy, print, scan, fax transmission
Storage folders	Quick file folder, main folder, custom folder (max. 1,000)

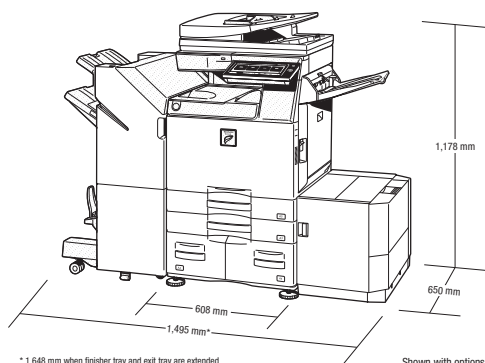## Network Printer

Resolution (dpi)	
MX-6050N/MX-5050N	1200 x 1200, 600 x 600, 9600 (equivalent) x 600
MX-4050N/MX-3550N/MX-3050N	600 x 600, 9600 (equivalent) x 600

Interface	USB 2.0, 10Base-T/100Base-TX/1000Base-T
Supported OS	Windows Server® 2008, 2008R2, 2012, 2012R2, Windows Vista®, Windows® 7, 8.1, 10 Mac OS X 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10. 10.11*[13]
Network protocols	TCP/IP
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, FTP for downloading print files, IPP, SMB, WSD
PDL	Standard: PCL 6 emulation
	Optional: Adobe® PostScript®3™
Available fonts	80 fonts for PCL, 139 fonts for Adobe PostScript 3

Fax (optional MX-FX15 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time*[14] (seconds)	Less than 3
Modem speed (bps)	33,600 – 2,400 with automatic fallback
Transmission resolution (dpi)	203.2 x 97.8 (Std) / 406.4 x 391 (Ultra Fine)
Recording width	A3 – A5
Memory (GB)	1 (built-in)

External Dimensions

1,178 mm
1,648 mm when finisher tray and exit tray are extended.
650 mm
608 mm
1,495 mm*

Shown with options.

Notes