SHARP

Be Original.

MX-C304W

Digital Full Colour Multifunctional System

Little Wins Add Up to Big Wins

simply better **business**

Less bulk, less lag, less hassle —

Simply Better **Experience**

Compact, streamlined, and packed with document functionality, the MX-C304W fits seamlessly into any business setting.

for Simply Better Business

Process

With features normally found on advanced A3 machines, the MX-C304W puts the power of productivity at your fingertips.

Admin

Setting up a secure environment is easy with the MX-C304W, which runs on the same system used by Sharp's A3 machines.

COPY/PRINT

Efficient Colour and B/W Output

The MX-C304W delivers a fast output of 30 ppm* in B/W and in full colour. The first copy comes out in just 5.5 seconds in B/W and 6.7 seconds in full colour. This saves you valuable time when performing multiple short-run jobs.

* A4, short-edge feeding

30 PPM

Office Direct Printing*

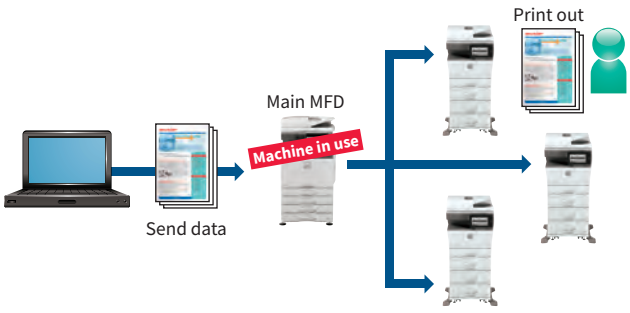
Print common Microsoft® Office files without using a PC. With this MFD, you can print a Word, Excel®, or PowerPoint® file directly from a mobile device, cloud service, USB drive, or file server.

* The actual printout may look different from what is displayed on the computer screen. This function is enabled via Qualcomm® DirectOffice™ technology.

Print Release*

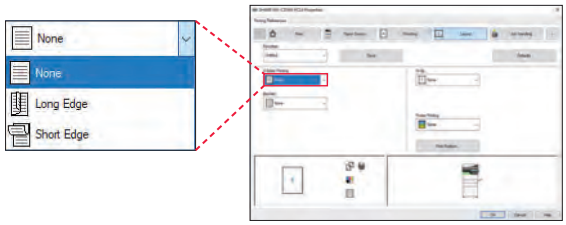
The Print Release function lets you send documents to the main MFD, which acts as a server and stores them for printing out from any other compatible MFD on the network. This function comes in handy when the main MFD is in use or under maintenance, letting you finish your job with minimal waiting.

* Contact a Sharp customer representative for details on the recommended maximum number of connectable MFDs.



Printer Driver with Easy Setup

The printer driver setup window features a simple design that includes larger buttons and drop-down menus, making it easier than ever to use printer functions.



Accommodates Various Paper Sizes

The main unit paper tray and multi bypass tray accommodate a wide variety of paper sizes, including A6. The multi bypass tray and optional paper feed unit handle legal size paper and paper up to 220 g/m² thick. The multi bypass tray can also handle embossed paper.

Large Paper Capacity

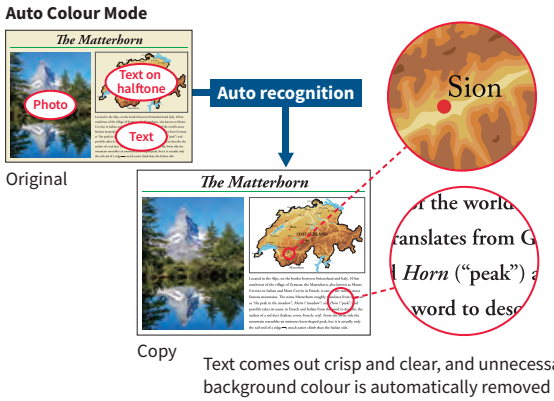
This MFD comes standard with a 250-sheet tray and 50-sheet multi bypass tray. An optional 600-sheet paper feed unit is available for a total paper capacity of 2,700 sheets.

PCL 6 and True Adobe® PostScript® 3™

For enhanced font compatibility and improved graphics handling, the MX-C304W supports both PCL 6 and Adobe PostScript 3.

Easy, High-Quality Copying and Scanning

Through an advanced three-step process, **Auto Colour Mode** provides faithful and fully automated copying and scanning in both colour and B/W—all with a simple press of the Start button. Here's how it works: **Auto Colour Selection** automatically determines whether a page is colour or B/W. **Auto Original Type Selection** then analyses page contents to distinguish between different components (such as photos, text, and text on halftone backgrounds) and selects the appropriate mode. It uses machine learning to optimally reproduce text and images. Finally, **Background Suppression** automatically removes unnecessary background colour.

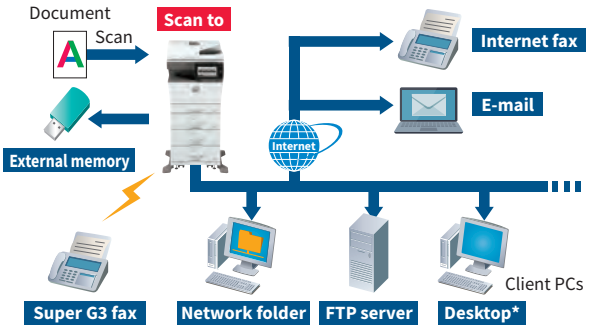


Text comes out crisp and clear, and unnecessary background colour is automatically removed

SCAN/FAX

Multiple Scan Destinations

Scanned documents can be distributed in a number of ways. A compact PDF function ensures that PDF files are sent and received smoothly. When you're scanning large-volume documents, the MFD saves the data on its hard disk and generates a URL for accessing that data. You can then e-mail recipients this URL rather than the full document, thereby reducing the load on the mail server.



* Requires Network Scanner Tool Lite.

Convert Documents via OCR

OCR capability on this MFD lets you convert a scanned document into a searchable PDF file or into an editable Office Open XML (docx, xlsx, pptx) file. This means you can do speedy text searches, even with large-volume documents, and you can easily copy and paste text data into other applications.

Business Card Management

Creating and managing a database of business cards is easy with this MFD. The MFD features a dedicated feeder for scanning batches of up to 25 business cards. It reads contact details on each card via OCR* and then exports those details to a third-party contact management system of your choice.

* Scans one side only, even when using document feeder.

Card Shot (Multi) Function

Scan up to four ID or credit cards at once, turn them over, and scan the reverse sides. For each card, a separate file is created that includes the front and reverse sides.

Quick Scanning

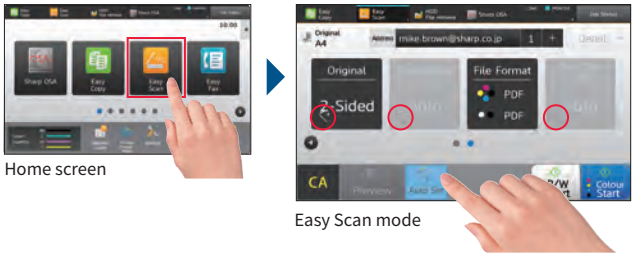
The MX-C304W comes equipped with a highly efficient 100-sheet DSPF (duplex single pass feeder) that scans at 110 opm* (two-sided) or 70 opm* (one-sided). The DSPF also includes a business card feeder that feeds in batches of up to 25 cards. Such speedy functionality means that even large jobs can be finished quickly and efficiently.

*: Originals per minute; when feeding A4 sheets

Automated Scanner Settings*1

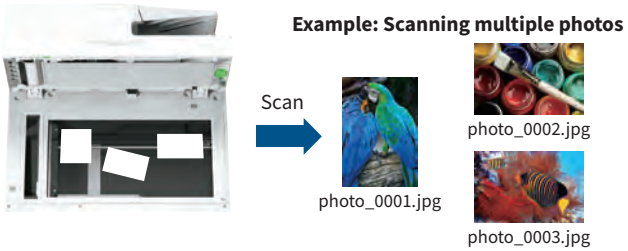
Tap on the LCD touchscreen's Auto Set button to have the MFD perform a host of actions automatically. It can reorient pages mixed in upside down, skip blank pages in a multi-page document, or determine scan resolution. The MFD can also tell whether a document being scanned is colour or B/W. If it is B/W it can automatically select the optimal setting for text—monochrome or greyscale. What's more, it can adjust skewed documents*2, so you don't have to re-scan them. Automatic functions like these save you time and effort, while ensuring optimal scan results.

*1: Easy UI mode only. *2: PDF format only.



Multicrop and Image Crop Functions

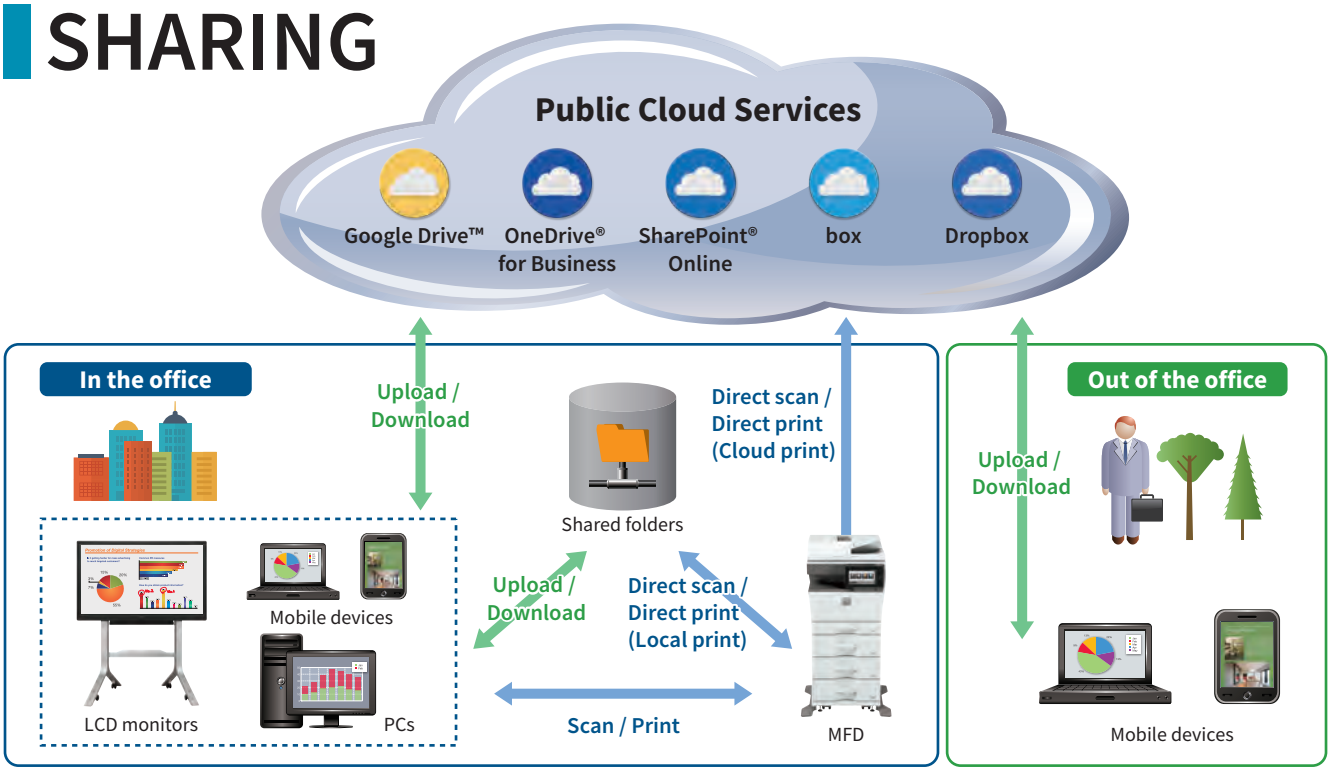
Multiple receipts, photos, and other items can be scanned all at once, with each one saved as a separate file. This helps you streamline the filing of receipts and bills. The MFD can also crop photos from documents such as magazine pages and save them as individual files.



Versatile Fax Functions

- **Super G3 Fax** function
- **Internet Fax** lets you exchange faxes via e-mail (option)
- **PC-Fax** sends PC documents directly to a fax machine via a phone line

SHARING



Link to Cloud Services

The MX-C304W doesn't just connect to your local server. It also connects with cloud services directly from its control panel. You can upload scanned data to Google Drive™, OneDrive® for Business, SharePoint® Online, Box, or Dropbox—or print directly from any of them. Cloud services help to make setting up and managing a server in your company more efficient. Once you log in to the MFD, its single sign-on feature allows you to quickly access multiple software services without having to sign in to each one separately.

Application Portal*

Like a smartphone app store, Sharp's Application Portal will offer apps that you can download and install on your MFD. You'll be able to access the application server and download apps directly from the MFD.

* Contact a Sharp customer representative for details.

Link with Mail Servers

Scanned data can be conveniently sent via your Gmail™ or Microsoft Exchange/Online* account. Scanned data that you send can be stored on the mail server with other sent items.

* Exchange Server 2010/2013/2016, Exchange Online

Sharp OSA (Open Systems Architecture)

Sharp OSA technology allows you to interact with intra-company systems 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 MFD can easily integrate with third-party 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 as well as services delivered over the Internet such as cloud services.

Link with Mobile Devices

• The **Sharpdesk Mobile***1 print/scan app lets you easily link your mobile device to the MFD by simply holding it over the MFD's NFC card reader*2 or by scanning the MFD's QR Code®.

*1: For details, see the Sharpdesk Mobile support website: https://global.sharp/products/copier/docu_solutions/mobile/sharpdesk_mobile/
*2: The NFC interface is for Android™ devices. Requires commercially available NFC card reader. Contact a Sharp customer representative for details.

• **AirPrint** and **Sharp Print Service Plugin** are supported.

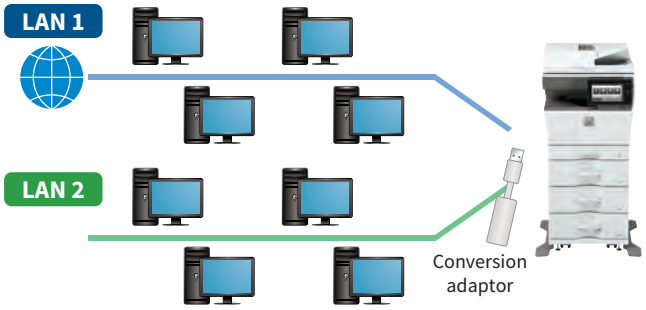
Wireless Connections

The MFD offers ultra-handy wireless access, enabling convenient access to the MFD even from places where it's difficult to connect a LAN cable.

Secondary Ethernet Port*

A secondary Ethernet port allows the MFD to support two separate networks. You can set up different IP addresses and security settings for each line—one in-house, say, and one for visitors. Alternatively, the MFD could be set up to access a web-connected office network as well as a high-security offline network.

* Requires an Ethernet adaptor that supports two lines. Contact a Sharp customer representative for details.



OPERATION

Easy User Interface

Operating the MFD is easy and intuitive with the 7.0-inch colour LCD touchscreen. Just tap your dedicated user icon to access a personally customised operation screen. In Easy UI mode, the touchscreen displays simple icons for frequently used functions. And with the Advanced Preview function, you can check document finishes, edit pages in advance, and more.

Quick login

Preview mode (3D)

Device Management

Sharp Remote Device Manager* (SRDM) gives administrators centralised control of their networked MFDs. This software covers system setup, security settings, troubleshooting, and more.

* Contact a Sharp customer representative for availability and other details.

Free-Tilting Control Panel

The control panel can be tilted freely at various angles for easy viewing and easy operation, even from a wheelchair.

Direct Printing/Scanning with USB Drives

Insert a USB drive into the MFD and a command screen will automatically pop up on the LCD. Right away you can print files from the USB drive or scan documents directly to the USB drive.

LED Status Lamps

Next to the control panel are two LED lamps: one red, one green. These light up to notify you—even from a distance—of the status of the machine.

SECURITY

Network Security and Access Control

- **S/MIME** provides secure e-mail communications*

  * Only when e-mailing scanned data.

- **User authentication** prevents unauthorised MFD use by requiring passwords
- **Active Directory**® enables integrated management of user credentials, thereby providing a highly secure and efficient environment for system administrators
- **Whitelisting** protects the MFD from fraudulent programs trying to access the file system and obtain information
- **Image Job Log*** creates and externally stores an image file (PDF) and a log file (XML) for each job. This helps identify unauthorised use of the MFD.

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

Document and Data Protection

- **Document Control*** prevents unauthorised use of confidential documents by embedding copy prevention data in them

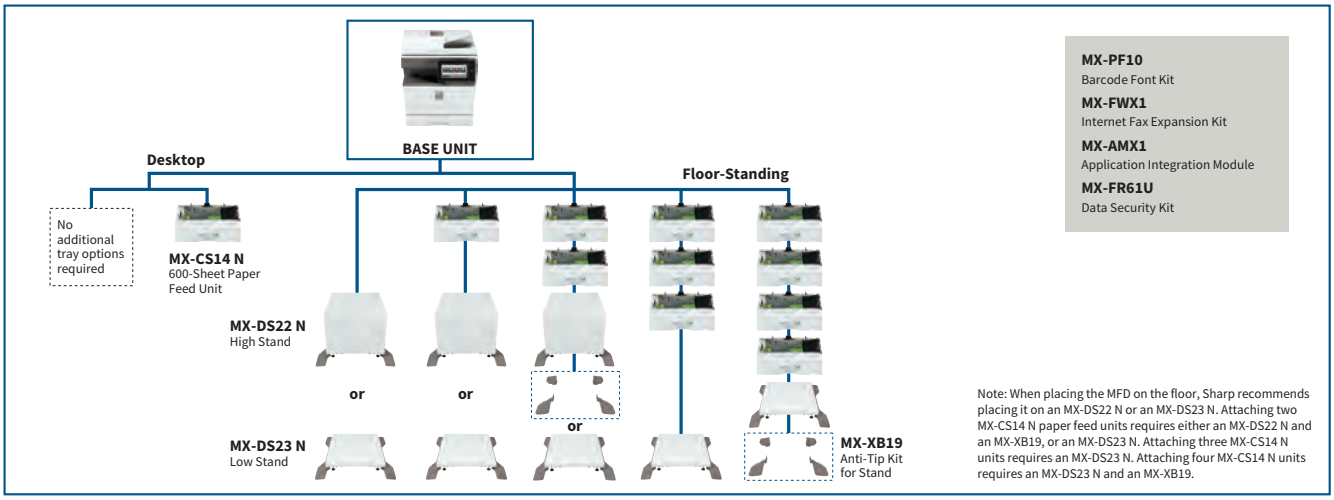
  * Requires optional MX-FR61U. May not work with certain types of paper, documents (such as those with a lot of photos), or MFD settings.

- **Hidden Pattern Copy/Print** embeds a watermark onto a document
- Job data is automatically **encrypted*** before being saved to the MFD's internal storage

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

- Retained data can be **erased** when it's time to replace the MFD, preventing the leakage of confidential information
- **Firmware self-recovery** prevents data leaks and firmware damage by automatically restoring files when abnormal activity is detected

SYSTEM CONFIGURATION



SPECIFICATIONS

General

Type	Desktop
Engine speed	A4*1: Max. 30 ppm
Control panel display	7.0-inch colour LCD touchscreen
Paper size	Max. A4, min. A6
Paper capacity (80 g/m²)	Standard: 300 sheets (250-sheet tray and 50-sheet multi bypass tray) Maximum: 2,700 sheets (300 sheets & optional 600-sheet tray x 4)
Paper weight	Tray 1: 60 g/m² to 105 g/m² Trays 2–5 (MX-CS14 N): 55 g/m² to 220 g/m² Multi bypass tray: 55 g/m² to 220 g/m²
Warm-up time*2	47 sec.*3
Memory	5 GB (copy/print shared) 500 GB HDD*4
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption	Max. 1.84 kW (220 V to 240 V)
Dimensions (W x D x H)*5	491 x 568*6 x 565 mm
Weight (approx.)	38 kg

Copier

Original paper size	Max. A4
First copy time*7	Colour: 6.7 sec. B/W: 5.5 sec.
Continuous copy	Max. 9,999 copies
Resolution	Scan: 600 x 600 dpi, 600 x 400 dpi Print: 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on copy mode)
Gradation	Equivalent to 256 levels
Zoom range	25% to 400% (25% to 200% using DSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 7 ratios (4R/3E)

Network Scanner

Scan method	Push scan (via control panel) Pull scan (TWAIN-compliant application)
Scan speed*8 (colour & B/W)	One-sided: Max. 70 originals/min. Two-sided: Max. 110 originals/min. Push scan: 100, 150, 200, 300, 400, 600 dpi
Resolution	Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi 50 dpi to 9,600 dpi via user setting*9
File formats	TIFF, PDF, PDF/A-1a, PDF/A-1b, encrypted PDF, XPS, compact PDF*10, JPEG*10, searchable PDF, OOXML (pptx, xlsx, docx), text (TXT [UTF-8]), rich text (RTF)
Scan destinations	Scan to e-mail/desktop*11/FTP server/network folder (SMB)/ USB drive/HDD

Document Filing

Document filing capacity*12	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
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)

Network Printer

Resolution	600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0 (host, high-speed), 10Base-T/100Base-TX/1000Base-T, wireless LAN (IEEE 802.11 b/g/n)
Supported OS	Windows Server® 2008, Windows Server® 2008 R2, Windows Server® 2012, Windows Server® 2012 R2, Windows Server® 2016, Windows Server® 2019, Windows® 7, Windows® 8.1, Windows® 10 Mac OS 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15
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	PCL 6 emulation, Adobe® PostScript® 3™
Available fonts	80 fonts for PCL, 139 fonts for Adobe PostScript 3

B/W Facsimile

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*13
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Ultra Fine (406.4 x 391 dpi)
Recording size	A4 to A5
Memory	1 GB (built-in)
Greyscale levels	Equivalent to 256 levels

- Design and specifications are subject to change without prior notice.
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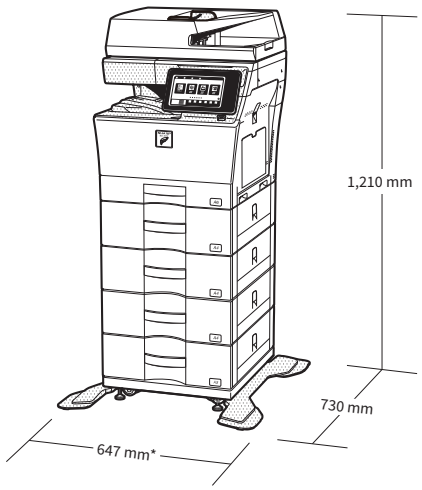
Qualcomm® DirectOffice™

*1: Short-edge feeding.
*2: In a standard measurement environment. May vary depending on operating conditions and environment.
*3: When starting the MFD via the power button. 58 sec. when starting via the main power switch.
*4: HDD capacity depends on procurement and sourcing status.
*5: Including adjusters and protuberances.
*6: 588 mm when the control panel is tilted at the flattest horizontal angle.
*7: Short-edge feeding of A4 sheets from 1st paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, MFD in fully ready condition. May vary depending on operating conditions and environment.
*8: Scan speed will vary depending on the type of document and the scan settings. Based on Sharp's A4 standard chart, using document feeder, short-edge feeding, and factory default settings .
*9: Resolution will vary depending on the size of the scanned area.
*10: Colour/greyscale only.
*11: Requires Network Scanner Tool Lite.
*12: Storage capacity will vary depending on the type of document and the scan settings.
*13: Based on Sharp's standard chart with approx. 700 characters (A4 short-edge feeding) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.



* 734 mm when multi bypass tray is extended.

MX-C304W shown with optional equipment.

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SHARP

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