

# SHARP

## MX-C381/MX-C311 MX-C380/MX-C310

Digital Full Colour Multifunctional System



Preliminary Product Information



BIG ON PERFORMANCE, SMALL IN SIZE -  
A **FULL-COLOUR A4 MFP** WITH AN **IT-FRIENDLY ADVANTAGE**

MAX. 38/31  
CPM/PPM  
IN COLOUR  
& B/W

HIGH QUALITY  
PRINTING  
1,200 x 1,200 dpi

FULL-COLOUR  
A4 MFP

8.5" COLOUR  
TOUCH-SCREEN  
WITH THUMB-  
NAIL VIEWS  
(MX-C381/C311)

UP TO 33 OPM  
SCAN SPEED

### Minimal Space, Maximum Style

- Boasts an extremely small footprint (535 x 438 mm) and a stylish new design that blends in perfectly with office décor
- Measures only 438 mm deep; ideal for placing on or next to a filing cabinet
- Optional Inner Finisher for sorting, stapling and offset stacking without taking up much space

### Ease of Use

- Born from an award-winning line of Sharp A3 MFPs that are rated highly for ease of use and performance
- 8.5-inch, touch-screen colour LCD provides thumbnail display/previews of Document Filing and fax reception data, and system/job status display (MX-C381/C311)
- 4.3-inch colour LCD enables easy operation of key functions (MX-C380/C310)
- User-specific Home screen features customisable keys and a choice of screen colour (MX-C381/C311 only)
- USB port at the front of the MFP allows easy scan to USB memory and USB memory direct printing
- Supports the XPS format (standard for scanning; optional for printing)

### Productive Performance

- Speedy output of max. 38/31 ppm in both colour and B/W
- Fastest scan speed in the A4 MFP category\* at max. 33 opm (originals per minute)
- Standard 600-sheet paper capacity, expandable to max. 2,100 sheets
- Supports Gigabit Ethernet and the latest network protocols and operating systems
- Full-colour network scanning to email, FTP server, desktop, network folder or USB memory and support for XPS, JPEG, TIFF and PDF formats
- Standard hard disk and electronic sorting for both colour and B/W
- Document Filing function to instantly reuse saved jobs

\* as of August 2008

### Breathtaking Image Quality

- True 1,200 x 1,200-dpi high-quality printing without sacrificing speed
- Improved imaging system with new developer and toner faithfully reproduces fine lines and halftone colours
- Sharp Auto Colour Mode provides automated operation and high quality scanning and copying; text on halftone dot patterns comes out clearer than ever

### Multi-Layered Security Solutions

- Optional Data Security Kit encrypts and erases confidential data
- IP/MAC address filtering restricts unauthorised access
- SSL and IPsec enable data encryption for secure network communications
- Encrypted PDF with password protection for secure scanning
- Document Control function\* prevents unauthorised copying, scanning, faxing, and filing of confidential documents
- Supports the IEEE 802.1X standard for port-based network access control
- Function-specific user authentication

\* Requires optional Data Security Kit

### Sharp's One-of-a-Kind Features

- Industry's first Business Card Feeder\*<sup>1</sup> (option) is useful for making business card databases
- Sharp OSA (Open Systems Architecture) 3.0\*<sup>2</sup> allows integration with network applications and makes them accessible from the LCD control panel
- Remote access interface enables control panel to be displayed and operated on a PC

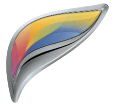
\*<sup>1</sup> Available at a later date

\*<sup>2</sup> Requires optional MX-AMX2/AMX3

# SPECIFICATIONS

# MX-C381/MX-C311 MX-C380/MX-C310

Digital Full Colour Multifunctional System



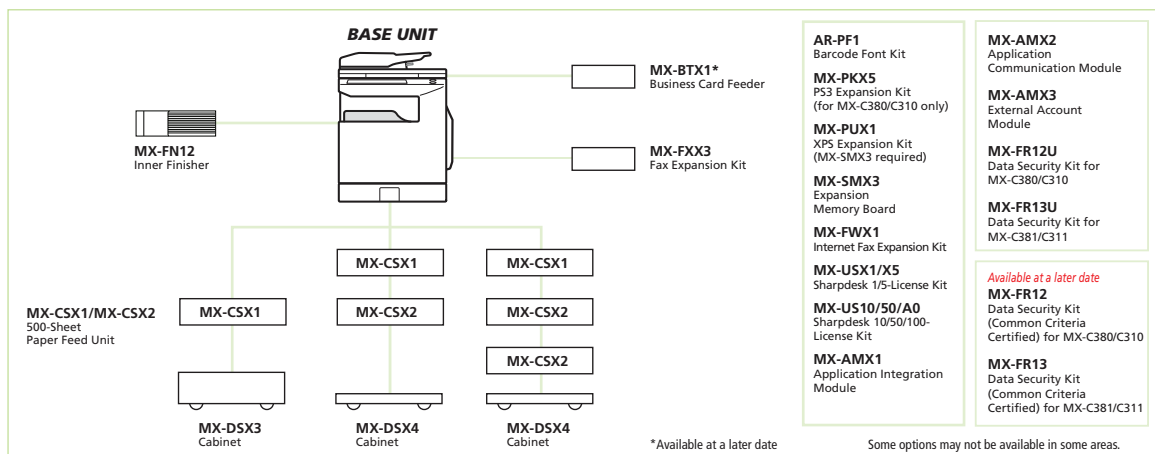
## Preliminary Product Information

| General                            |   |                          |
|------------------------------------|---|--------------------------|
| <b>Engine speed (max)</b>          | <b>Colour</b>   | <b>Black &amp; White</b> |
| MX-C381/C380                       | 38 ppm/cpm  | 38 ppm/cpm               |
| MX-C311/C310                       | 31 ppm/cpm  | 31 ppm/cpm               |
| <b>Paper size</b>                  | Max. A4, min. A5  |                          |
| <b>Paper capacity</b>              | Standard: 600 sheets (500-sheet tray and 100-sheet multi-bypass tray)<br>Maximum: 2,100 sheets (four 500-sheet trays and 100-sheet multi-bypass tray)   |                          |
| <b>Warm-up time<sup>1</sup></b>    | Less than 90 sec.   |                          |
| <b>Memory</b>                      |   |                          |
| MX-C381/C380                       | Copier: Standard 512MB<br>Printer: Standard 1 GB, Max. 2 GB   |                          |
| MX-C311/C310                       | Copier: Standard 512MB<br>Printer: Standard 512MB, Max. 1.5 GB  |                          |
| <b>Power requirements</b>          | Rated local AC voltage $\pm 10\%$ , 50/60 Hz  |                          |
| <b>Power consumption (max.)</b>    | 1.84 kW (220 to 240V)   |                          |
| <b>Dimensions (W x D x H)</b>      | 560 x 438 x 714 mm  |                          |
| <b>Weight</b>                      | Approx. 46 kg   |                          |
| Copier                             |   |                          |
| <b>Original paper size</b>         | Max. A4   |                          |
| <b>First copy time<sup>3</sup></b> | Full colour: 8.9 sec., B/W: 8.0 sec.  |                          |
| <b>Continuous copy</b>             | Max. 999 copies   |                          |
| <b>Resolution</b>                  | 600 x 600 dpi   |                          |
| <b>Gradation</b>                   | Equivalent to 256 levels  |                          |
| <b>Zoom range</b>                  | 50 to 200% in 1% increments   |                          |
| <b>Preset copy ratios</b>          | 8 ratios (4R/4E)  |                          |
| Network Scanner                    |   |                          |
| <b>Scan method</b>                 | Push scan (via control panel), pull scan  |                          |
| <b>Resolution</b>                  | Push scan: 100, 200, 300, 400, 600 dpi<br>Pull scan: 75, 100, 150, 200, 300, 400, 600 dpi<br>50 to 9600 dpi   |                          |
| <b>File formats</b>                | TIFF, PDF, encrypted PDF, JPEG (colour only), XPS <sup>4</sup>  |                          |
| <b>Scanner utilities</b>           | Sharpdesk™  |                          |
| <b>Scan destinations</b>           | Scan to e-mail, desktop, FTP server, network folder, USB memory   |                          |
| Document Filing                    |   |                          |
| <b>Document filing capacity</b>    | Main and custom folders <sup>5</sup> : 38GB (MX-C381/C311), 50 GB (MX-C380/C310), 5,500 pages <sup>5</sup> or 3,000 files<br>Quick file folder: 12GB, 1,700 pages <sup>5</sup> or 1,000 files (MX-C381/C311 only) |                          |
| <b>Stored jobs</b>                 | Copy, print, scan, fax transmission <sup>6</sup>  |                          |
| <b>Storage folders</b>             | Main folder, custom folder (max. 1,000 folders)<br>Quick file folder (MX-C381/C311 only)  |                          |
| <b>Confidential storage</b>        | Password protection   |                          |

| Network Printer           |  |
|---------------------------|--|
| <b>Resolution</b>         | 1,200 x 1,200 dpi  |
| <b>Interface</b>          | USB 2.0<br>10Base-T/100Base-TX/1000Base-T  |
| <b>Supported OS</b>       | Windows NT <sup>®</sup> 4.0 SP5 or later, Windows Server <sup>®</sup> 2003, Windows <sup>®</sup> 98/Me/2000/XP, Windows Vista <sup>®</sup><br>Mac OS 9.0 to 9.2.2, Mac OS X 10.2.8, 10.3.9, 10.4 to 10.4.11, 10.5 to 10.5.1<br>Optional MX-PKX5 required for Mac OS for MX-C380/C310 |
| <b>Network protocols</b>  | TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), NetBEUI, EtherTalk (AppleTalk)<br>Optional MX-PKX5 required for EtherTalk for MX-C380/C310   |
| <b>Printing protocols</b> | 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 Option: XPS <sup>4*</sup>  |
| <b>PDL emulation</b>      |  |
| MX-C381/C311              | Standard: PCL6/5c emulation, PS3 emulation<br>Option: XPS <sup>4*</sup>  |
| MX-C380/C310              | Standard: PCL6/5c emulation<br>Option: PS3 emulation <sup>7*</sup> , XPS <sup>4*</sup>   |
| <b>Available fonts</b>    | 80 fonts for PCL, 136 fonts for PS3 emulation  |

| B/W Facsimile (optional MX-FXX3 required) |   |
|---|---|
| <b>Compression method</b>                 | MH/MR/MMR/JBIG  |
| <b>Communication protocol</b>             | Super G3/G3   |
| <b>Transmission time</b>                  | Less than 3 seconds <sup>8</sup>                          |
| <b>Modem speed</b>                        | 33,600 bps to 2,400 bps with automatic fallback           |
| <b>Transmission resolution</b>            | Standard: 203.2 x 97.8 dpi<br>Super Fine: 406.4 x 391 dpi |
| <b>Recording width</b>                    | A4 to A5  |
| <b>Memory</b>                             | 8MB flash memory  |
| <b>Grey scale levels</b>                  | Equivalent to 256 levels                                  |

- \*1: At rated voltage, 23°C
- \*2: HDD capacity depends on procurement and sourcing status.
- \*3: When feeding A4 sheets from 1st paper tray.
- \*4: To view XPS files on PCs not running Windows Vista, you must have the XPS Viewer application installed.
- \*5: 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 12GB of data storage is available when using both functions. The storage capacity will be less for colour pages.
- \*6: Optional MX-FXX3 required.
- \*7: Optional MX-PKX5 required.
- \*8: Based on Sharp's standard chart with approx. 700 characters at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.



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