SHARP®

PRO SERIES COLOR DOCUMENT SYSTEMS

Gain Superior Output with Advanced Technologies

The new Pro Series MX-7090N and MX-8090N light production color document systems offer proven technology, award-winning features and exceptional image quality at speeds up to 80 ppm. Built with the customer in mind, producing professional-looking documents has never been easier. Organizations, large and small, will benefit from the versatility of the available input and output options. Options ranging from the air-feed paper handling option, to the production booklet finisher that prints up to 120 page full-bleed booklets, the Pro Series can help your organization produce more jobs in-house, saving time and money. These new models simplify workflow like never before with the large 15.4" (diagonally measured) touchscreen display utilizing the latest controller architecture and intuitive user interface Sharp has to offer.

Key Features

- **Ease of Use** – Next generation intuitive user interface with large touchscreen display, simplified Easy Modes and full integration with Fiery Command WorkStation®.

- **Flexible Option** – Choice of three powerful print controllers, including the standard Sharp print controller and two optional Fiery Print Servers operating on the latest FS300 Pro and FS300 platforms for maximum versatility and productivity.

- **Reliability** – Sharp's new fuser technology ensures consistent edge-to-edge printing while the exclusive triple air-feed paper handling option maximizes uptime and employs precise media handling for a wide range of specialty stocks with reliability you can count on.

MX-8090N shown with Fiery Command WorkStation fully integrated at the Sharp control panel, included with the MX-PE13 Fiery Print Server.

Efficient design and increased multi-function features to maximize business productivity.

- Flexible modular design provides a **wide variety of configurations** from basic high-speed copying and printing to professional folding and **booklet making**.

- 150-sheet **Duplex Single Pass Feeder** (DSPF) scans documents at up to 200 images per minute.

- Up to **13,500-sheet paper capacity** supports media up to **110 lb. cover stock** (300 gsm) and up to 13" x 19" output.

- **Print Engine Paper Catalog** stores up to 1,000 media profiles to help maintain optimum print quality.

- Standard high-performance print controller with **PCL® 6** and **Adobe® PostScript® 3™** included.

- Next generation **intuitive user interface** with large **15.4"** (diagonally measured) multi-position touch-screen display with swing-out keyboard.

- Sharp's **Color Consistency System** with next generation image process control delivers high-quality color output and maintains optimum color balance and toner density page after page.

- Easily **access popular cloud applications**, including Microsoft® OneDrive® for Business, SharePoint® Online and Google Drive™ with Sharp's Cloud Connect features.

- True **1200 x 1200 dpi** printing provides beautiful images and enhanced clarity for fine details such as small text and graphics.

- **Compact PDF** feature dramatically reduces the file size of scanned color documents, resulting in decreased network traffic and more efficient use of disk and cloud storage.

- Standard **Job Management features** make it easy to **print on-demand** as well as view jobs, retain jobs, combine jobs, select print settings and more.

- Sharp's **new fuser technology** ensures consistent edge-to-edge printing with a **uniform finish** across the page for professional-looking full image documents.

- Convenient **End-of-Lease feature** can erase all files on the hard disk drive, all user data, job status data and address book data at trade-in time.

- **PANTONE** Licensing offers unprecedented levels of color fidelity to the **PANTONE MATCHING SYSTEM®**

Main Specifications

MX-7090N/8090N	Base models include LCD, 150-sheet DSPF, 3,000-sheet paper capacity (2,000-sheet tandem tray and two 500-sheet trays). 1-TB hard disk drive, PCL® 6 and Adobe® PostScript® 3™ network printing, color network scanning, swing-out keyboard, MX-AMX2 application communication module and MX-AMX3 external communication module. Black and color developer are included.
Type	Console, color multi-function digital document system
Display	15.4" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1280 x 800 (WXGA)
Functions	Copy, print, network print, network scan and document filing
Output System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt type fusing/white LED exposure
Originals	Sheets and bound documents
Max. Original Size	11" x 17"
Output Size	Min. 5½" x 8½", Max. 13" x 19"
Copy Speed	70/80 ppm B&W/Color (8½" x 11")
Multiple Copy	Max. 9,999 copies

First Copy Time (in seconds)[2]	MX-7090N		MX-8090N	
	B&W	Color	B&W	Color
Platen Glass	4.0	5.6	3.7	5.1
DSPF	6.5	9.2	6.3	8.8

Warm Up Time	90 seconds or less[2]
Magnification	25% to 400% in 1% increments (with document feeder 25%-200%)
Original Feed	150-sheet DSPF
Scan Speed	Up to 200 ipm² (Monochrome or Color)
Original Sizes	5½ x 8½, 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17"
Paper Capacity	Standard: 3,000 Sheets/Maximum: 13,500 Sheets
Paper Feed System	Standard: Tandem Tray 1 - 1,200 sheets (letter size), Tandem Tray 2 - 800 sheets (letter size), Trays 3/4 - 500 sheets ea. (letter/legal/ledger/statement/12" x 18"). Optional multi-bypass tray (for machine) - 100 sheets (letter/legal/ ledger/statement/monarch or COM10 envelopes/12" x 18"), Multi-bypass (for LCT) - 500 sheets (letter/legal/ ledger/statement/12" x 18"), LCT (2-Drawer) - 2,500 sheets each drawer (letter/legal/ledger/12" x 18"), Letter LCC - 3,500 sheets (letter), Ledger LCC: 3,000 sheets (letter/legal/ ledger).
Paper Weights and Types	Tandem Trays - 16-28 lb. bond, Trays 3/4 - 16 lb. bond to 100 lb. bristol, Multi-bypass Tray (for machine) - 15 lb. bond to 110 lb. cover, Multi-bypass Tray (for LCT) - 15 lb. bond to 110 lb. bristol, LCT (2-drawer) - 15 lb. bond to 110 lb. cover, Letter LCC/Ledger LCC - 16 lb. bond to 100 lb. bristol. Supported paper types include thin, plain, recycled, color, letter head, pre-printed and pre-punched, embossed and glossy.
Duplexing	Standard automatic duplex copying and printing
CPU	Multi-Processor Controller at 1.9 GHz, 600 MHz and 400 MHz
Interface	RJ-45 Ethernet (10/100/1000 Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device port)
Memory	Standard 6 GB
Hard Disk Drive	1 TB
Copy Resolution	Scan: B&W/color: 600 x 600 dpi; Copy: B&W/color: 600 x 600 dpi
Color Modes	Photo, Full Color Mode, Monochrome (B/W)
Exposure Control	Modes: Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color. Settings: Auto or 9 step manual
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Color Sensing, Auto Paper Selection (APS), Auto Magnification Selection (AMS), Auto Tray Switching (ATS), black-white reversal, blank page skip, book copy, book divide, card shot, center erase, centering, cover pages, dual page copy, edge erase, image edit, image preview, insert pages, job build, job programs, margin shift, mirror image, mixed size original, multi-page enlargement, original count, pamphlet style, proof copy, repeat layout, reserve copy, rotated copy, stamp, stamp custom image, suppress background, tab copy, tab-paper insertion, tandem copy, toner save mode, transparency inserts and watermark, 2-in-1/4-in-1/8-in-1 multi shot.
Account Control	Up to 1,000 users. Supports user-number authentication (on device), login name/password or login name/password (via LDAP server) for copy, print, scan and document management.
Cloud Supported Services	Google Cloud Print, Google Drive, OneDrive for Business and SharePoint Online
Network Protocols	TCP/IP (IPv4, IPv6, IPsec), HTTP/HTTPS, IPP/IPP-SSL, FTP/TFPS, SNMPv3, SMTP/SMTP-SSL, POP3/POP3-SSL, LDAP/LDAP-SSL, 802.1x for Windows and Unix.
Network and Data Security	Includes IP/MAC address filtering, protocol filtering, port control, TLS Encryption, Kerberos, Active Directory integration, data encryption, End-of-Lease, data overwrite (up to 10x) and DoD 5220.22-M

Main Specifications *(continued)*

Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Management)
Device Setup	Web-based management with user/administrator level login, cloning (1 to N) with SRDM and remote front panel access
Service/Functions	Remote front panel, remote access to service logs and click counts
Accessibility Features	Free stop tilting front panel, adjustment of key touch sound and speed, concave key, document feeder free stop, job programs, remote front panel, universal grip for paper trays, and disable screen timeout.
Environmental Standards	International ENERGY STAR Program Ver. 2.0, Law on Promoting Green Purchasing. European RoHS (Restriction of Hazardous Substances)
Power Source	AC 208-240 VAC, 60 HZ, 20 A Receptacle
Power Consumption	Maximum: 2,880W or less
Weight	Approx. 493.4 lbs.
Dimensions	Approx. 38⅜" (w) x 30¼" (d) x 60¼" (h)

Network Printing System

PDL	PCL 6 compatible, True Adobe PostScript 3
Resolution	1200 x 1200 dpi
Print Speed	70/80 pages per minute (8½" x 11")
Print Drivers	Windows 7, Windows 8.1, Windows 10, Windows Server® 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows PPD, macOS X® (including 10.6 to 10.12), all MAC PPD, Linux® PPD
Print Features	Auto configuration, serverless print release, bar code font printing, carbon copy print, chapter inserts, color adjustment settings, color mode, confidential print, continuous printing, custom image registration, different cover page/last page/other page, document control, document filing, duplex printing, electronic sorting, folding, form overlay, hidden pattern print, image rotation, image stamp, image type, job bypass print, job retention, layout print, margin shift, multiple pamphlet, network tandem print, N-up printing, offset stacking, page interleave, pamphlet style, poster print, proof print, print and send, punching, stapling, tab paper print, tab printing, toner save mode, transparency inserts, tray status, user authentication, watermarks and zoom print
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, Compressed PDF/A1, PostScript, DOCX, XLSX, PPTX, and PNG. Methods: FTP, Web page, Email, Network Folder and USB
Resident Fonts	80 outline fonts (PCL), 139 fonts (PS)
Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0
Operating Systems and Environments	Windows 7, Windows 8.1, Windows 10, Windows Server® 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, macOS X 10.6-10.12, UNIX®, Linux, Citrix® (XenApp 5.0-7.6), Windows Remote Desktop Services and SAP device types[1]
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP, POP3, HTTP, LPD and LPR for Unix

Network Scanning System

Scan Modes	Standard: Color, monochrome, grayscale
Maximum Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, Searchable PDF, DOCX, XLSX, PPTX, TXT and RTF. Color/Grayscale: Color TIFF, JPEG, PDF, Encrypted PDF[1], PDF/A[1], Compressed PDF[1], Searchable PDF, DOCX, XLSX, PPTX, TXT and RTF.
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low)
Scan Destinations	Email, Desktop, FTP, Folder (SMB), USB
One-touch Destinations	Up to 2,000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Enhanced Email Integration	Standard Gmail connector, standard Exchange connector (on-premise and online)
Sharp OSA Platform	Application Communication Module (MX-AMX2) and External Accounting Module (MX-AMX3) standard

4K 100-Sheet Stapler/Finisher (MX-FN21: option)

Type	4,000-sheet console stapler finisher (100-sheet stapling)
Output Trays	Upper tray: Moving offset tray (up to 1,500 letter size sheets) Middle tray: 250 sheets (letter size, non-stapled) Lower tray: Moving offset tray (up to 2,450 letter size sheets)
Stapling Capacity	Up to 100 sheets (letter/statement)
Stapling Positions	1 front, 1 rear, or 2 point stitching
Hole Punching	Optional three-hole punch unit MX-PN13B
Power Source	120 VAC, 60 HZ, 15 A Receptacle
Power Consumption	220W/350W with MX-MF10
Weight	Approx. 134.5 lbs.
Dimensions	Approx.: 30 ¾" (w) x 30" (d) x 41" (h) (with tray extended)

4K 100-Sheet Stapler/Saddle Stitch Finisher (MX-FN22: option)

Type	4,000-sheet console stapler finisher (100-sheet stapling)
Output Trays	Upper tray: Moving offset tray (up to 1,500 letter size sheets) Middle tray: 250 sheets (letter size, non-stapled) Lower tray: Moving offset tray (up to 2,450 letter size sheets)
Stapling Capacity	Up to 100 sheets (letter/statement)
Stapling Media	Plain paper, letter/legal/ledger size or mixed
Stapling Positions	1 front, 1 rear, or 2 point stitching
Saddle Stitch	Center stitch/center fold (2 staples) letter/legal/ledger paper sizes
Saddle Stitch	Up to 5 sets (16-20 sheets)/10 sets (11-15 sheets per set)/15 sets
Max. Sets	(6-10 sheets per set)/25 sets (1-5 sheets per set)
Hole Punching	Optional three-hole punch unit MX-PN13B
Power Source	120 VAC, 60 HZ, 15 A Receptacle
Power Consumption	220w/350w with MX-MF10
Weight	Approx. 238.1 lbs.
Dimensions	Approx.: 35¼" (w) x 30⅛" (d) x 41" (h) (with tray extended)

Optional Equipment

MX-LC12	3,500-sheet Large Capacity Cassette (letter)
MX-LC13N	5,000-sheet Large Capacity 2-Drawer Air-Feed Tray (ledger)
MX-LCX3N	3,000-sheet Large Capacity Cassette (ledger)
MX-MF10	100-sheet Multi-bypass Tray (for machine)
MX-MF11	500-sheet Multi-bypass Tray (for MX-LC13N)
MX-LT10	Long Paper Feeding Tray (requires MX-MF10)
MX-FN21	4K Stacking 100-sheet Staple Finisher
MX-FN22	4K Stacking 100-sheet Staple/Saddle Stitch Finisher
MX-CF11	2-Tray Inserter Unit
MX-FD10	Multi-folding Unit[1]
MX-ST10	5,000-sheet Stacker (includes paper cart)
MX-CA10	Paper Cart (additional)
MX-RB12N	Paper Pass Unit (for machine)
MX-RB13	Relay Unit
MX-RB14	Paper Pass Unit (for MX-LC13)
MX-RB15	Curl Correction Unit[1]
MX-RB17	Large Capacity Tray Tandem Connecting Kit
MX-TM10	Trimmer Unit
MX-PN13B	3-Hole Punch Unit (for MX-FN21/FN22)
MX-SCX1	Staple Cartridge (for MX-FN22)
MX-SCX2	Staple Cartridge (for MX-FN21/FN22)
MX-PF10	Bar Code Font Kit
MX-TR14	Right Side Exit Tray
MX-TU14	Center Exit Tray
MX-PE13	External Fiery Print Server
MX-PX13	Fiery Interface Kit (for MX-PE13)
MX-PE14	Embedded Fiery Print Server
MX-PX12	Fiery Interface Kit (for MX-PE14)
MX-BM50	Plockmatic Production Booklet Maker
MX-GBCX2	GBC SmartPunch Pro
MX-FR58U	Commercial Data Security Kit (not available at time of launch)
MX-SL10N	Status Indicator
DVENDPS	Generic Vend Interface Kit

Supplies

MX-62NTBA	Black Toner Cartridge
MX-75NTCA	Cyan Toner Cartridge
MX-75NTMA	Magenta Toner Cartridge
MX-75NTYA	Yellow Toner Cartridge
MX-62NVBA	Black Developer
MX-62NVSA	Cyan/Magenta/Yellow Developer
MX-62NRSA	Drum
MX-700HB	Toner Collection Container

[1] Some features require optional equipment. See your local dealer.

[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.

[3] Go to *www.sharpusa.com* for a list of supported devices and operating systems.