

# SHARP

Be Original.

## BP-50C45

Digital Full Colour Multifunction System

50  
ANNIVERSARY  
DOCUMENT  
BUSINESS

## Future-proof the way you work



smart business partner

### Unified Cloud Connection (option)

You only need to sign in once to connect to multiple cloud services, such as Microsoft Teams, from the MFP. Applications can also be easily downloaded from the cloud. Updates are clearly displayed, so you're always using the latest version of services.

### Solid Security

The MFP has multiple levels of security to keep the device—and your precious data—secure. When booting up, the MFP checks for any anomalies in the BIOS firmwares. If it finds a problem, it aborts the startup. If there are other firmware-related issues, the MFP will attempt recovery to protect the system.

### Link Mobile Devices

Mobile devices installed with the Sharpdesk Mobile application<sup>1</sup> can connect directly to the MFP for printing or downloading scanned data. The MFP can also be equipped with AirPrint and the Sharp Print Service Plugin. It's a smoother way to get the job done.

### Wireless LAN Connection (option)

The MFP works with the 5 GHz band. This ensures minimal radio interference and stable high-speed communications. The MFP also supports Wi-Fi Protected Setup<sup>2</sup>. This makes it easy to connect the MFP to a secure wireless LAN without having to enter an SSID and security key.

### Eco-Friendly Design

Despite its many functions, this MFP achieves superb energy efficiency. For example, the use of low-temperature-fusing toner results in vastly reduced energy consumption for the MFP.

### 10.1-Inch Full-Flat Touchscreen

With a variety of functions accessible via simple, intuitive icons, MFP operation is smooth and easy.

### On-Screen System Information

The control panel shows the state of your MFP, displaying current operation and notifications for things like paper, toner, and maintenance.

### Smart Scanning

Simply tap the Auto Set button and the MFP will automatically determine the optimal resolution, gradation, and compression rate for your scan jobs. It also automatically reorients pages right side up (option) and corrects any skewed sheets.

### All the Needed Finishing Options

The MFP meets all common office needs with a variety of finishing options. Its folding unit handles various types of folds without taking up much space—it attaches to the MFP's paper output section. You get seamless output from printing to finishing.

### High Productivity

The MFP delivers a fast output of 55 ppm<sup>3</sup>. And if toner runs out during a print job, the MFP continues printing your documents while you change the toner cartridge. Your productivity won't miss a beat.

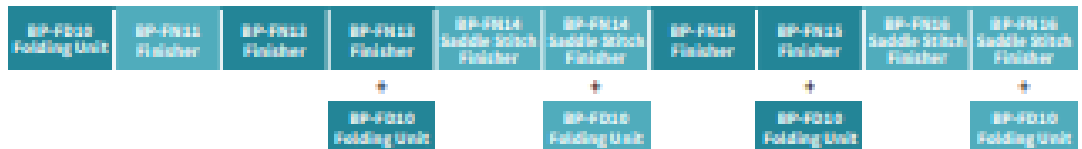
### Remote Firmware Updates

The MFP's firmware can be remotely updated—without the need for service operation—via a firmware update service, so you're always using the latest system for your MFP.

<sup>1</sup>: Availability varies by country/region. <sup>2</sup>: A4 (8 1/2" x 11"), long-edge feeding.

# PROFESSIONAL-QUALITY IN-LINE FINISHING OPTIONS

A range of finishing options work to automate time-consuming finishing tasks. Options are available to suit a variety of workplaces and applications.



Features		BP-FD00	BP-FN11	BP-FN12	BP-FN13	BP-FN14	BP-FN14	BP-FN15	BP-FN15	BP-FN20	BP-FN20
		Stapling		✓	✓	✓	✓	✓	✓	✓	✓
Stapleless stapling			✓					✓	✓	✓	✓
Manual stapling			✓					✓	✓	✓	✓
Punching**			✓	✓	✓	✓	✓	✓	✓	✓	✓
Saddle-folding						✓	✓			✓	✓
Saddle-stitching						✓	✓			✓	✓
Half-folding	✓				✓		✓		✓		✓
Z-folding	✓				✓		✓		✓		✓
Z-folding + Stapling									✓		✓
C-folding	✓				✓		✓		✓		✓
Accordion folding	✓				✓		✓		✓		✓

Paper capacity**	Finisher tray**	BP-FD00	BP-FN11	BP-FN12	BP-FN13	BP-FN14	BP-FN14	BP-FN15	BP-FN15	BP-FN20	BP-FN20
		Folding unit tray	300 sheets	-	-	-	300 sheets	-	100 sheets	-	300 sheets

\*1: Requires optional punch module. \*2: A4 (8 1/4" x 11"), 80 g/m<sup>2</sup>. \*3: Max. paper capacity of the finisher including the top tray.

### Stapling

Rear corner    Front corner    3-point side

### Punching

3-hole punching    3-hole punching    4-hole punching    4-hole wide punching

### Stapleless Stapling

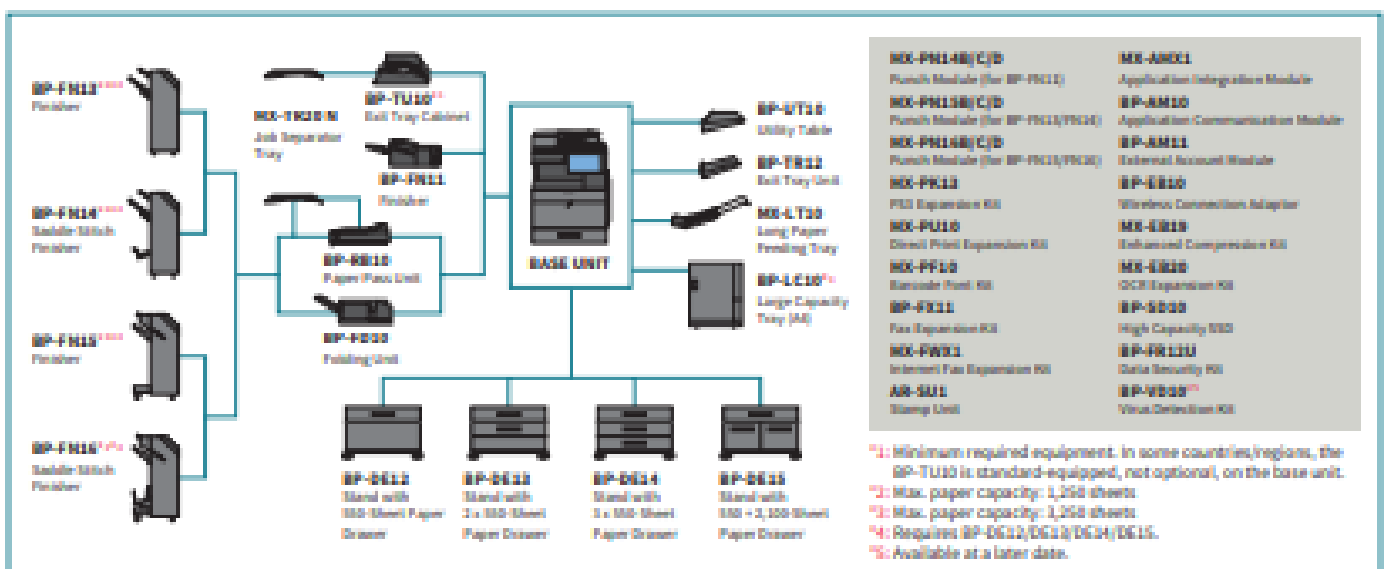
### Saddle Folding/Stitching

Saddle fold    Saddle stitch

### Folding

Half-fold    Z-fold    C-fold    Accordion fold

## SYSTEM CONFIGURATION



Certain optional equipment may not be available in some areas.

# SPECIFICATIONS FOR OPTIONAL EQUIPMENT

## MX-TR20 N Job Separator Tray

Paper size	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
Paper capacity	500 sheets

## BP-TR12 Exit Tray Unit

Paper size	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
Paper capacity	120 sheets

## BP-FN11 Finisher

Paper size	Non offset	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Offset/staple	A3 to B5** (11" x 17" to 8 1/2" x 11")
	Stapleless staple	A3 to B5** (11" x 17", 8 1/2" x 11")
Paper capacity	Non offset	500 sheets (A4, B5, A5) 250 sheets (SR43, A3W, SR44, A3, B4, A4**)
	Offset	500 sheets (A4, B5**), 350 sheets (A3, B4)
	Staple	30 sets or 500 sheets (A4, B5**) 30 sets or 250 sheets (A3, B4)
Stapling capacity	Staple	30 sets
	Stapleless staple	50 sheets** (A4*, B5*), 5 sheets** (A3, B4)
	Manual staple	Total paper thickness 4 mm or less (50 sheets)
Staple position	Staple mode	3 locations (front, rear, or 3-point stapling)
	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location

## BP-FN13 Finisher

Paper size	Non offset	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Offset	A3W to A5 (12" x 18" to 5 1/2" x 8 1/2")
	Staple	A3W to B5 (12" x 18" to 7 1/2" x 11")
Paper capacity	Finisher tray (Non offset)	1,000 sheets (A4**)
	(Offset)	500 sheets (SR43, A3W, SR44, A3, B4, A4**, B5, A5, A6**) 1,000 sheets (A4**)
	(Staple)	500 sheets (A3W, A3, B4, A4**, B5, A5) 50 sets or 1,000 sheets (A4**)
Top tray		50 sets or 500 sheets (A3W, A3, B4, A4**, B5) 250 sheets (A4, B5, A5, A6**) 50 sheets (SR43, A3W, SR44, A3, B4)
	Stapling capacity	50 sheets (A4, B5), 30 sheets (A3W, A3, B4)
	Staple position	3 locations (front, rear, or 3-point stapling)

## BP-FN14 Saddle Stitch Finisher

Paper size	Non offset	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Offset	A3W to A5 (12" x 18" to 5 1/2" x 8 1/2")
	Staple	A3W to B5 (12" x 18" to 7 1/2" x 11")
Paper capacity	Finisher tray (Non offset)	1,000 sheets (A4**)
	(Offset)	500 sheets (SR43, A3W, SR44, A3, B4, A4**, B5, A5, A6**) 1,000 sheets (A4**)
	(Staple)	500 sheets (A3W, A3, B4, A4**, B5, A5) 50 sets or 1,000 sheets (A4**)
Top tray		50 sets or 500 sheets (A3W, A3, B4, A4**, B5) 250 sheets (A4, B5, A5, A6**) 50 sheets (SR43, A3W, SR44, A3, B4)
	Saddle stitch tray	7 sets of 11-15 sheets, 30 sets of 6-10 sheets, 30 sets of 1-5 sheets
	Stapling capacity	50 sheets (A4, B5), 30 sheets (A3W, A3, B4)
Staple position	3 locations (front, rear, or 3-point stapling)	

## BP-FN15 Finisher

Paper size	Non offset	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Offset/staple	A3 to B5** (11" x 17" to 8 1/2" x 11")
	Stapleless staple	A3, A4** (11" x 17", 8 1/2" x 11")
Paper capacity	Finisher tray (Non offset)	1,000 sheets (A4**, B5**) 1,500 sheets (SR43, A3W, SR44, A3, B4, A4**, B5**, A5) 250 sheets (A6**)
	(Offset)	1,000 sheets (A4**, B5**) 1,500 sheets (A3, B4, A4**)
	(Staple)	300 sets or 1,000 sheets (A4**, B5**) 300 sets or 1,500 sheets (A3, B4, A4**)
Top tray	(Stapleless staple)	200 sets (A4**), 100 sets (A3)
		250 sheets (A4**, B5**, A5) 120 sheets (SR43, A3W, SR44, A3, B4, A4**, B5**)
	Stapling capacity	Staple 65 sheets (A4**), B5**), 30 sheets (A3, B4, A4**) Stapleless staple 50 sheets** (A4*), 5 sheets** (A3)
Staple position	Manual staple	Total paper thickness 4 mm or less (50 sheets)
	Staple mode	3 locations (front, rear, or 3-point stapling)
	Stapleless staple mode	1 location (rear)
Manual staple mode	1 location	

## BP-FN16 Saddle Stitch Finisher

Paper size	Non offset	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Offset/staple	A3 to B5** (11" x 17" to 8 1/2" x 11")
	Stapleless staple	A3, A4** (11" x 17", 8 1/2" x 11")
Paper capacity	Finisher tray (Non offset)	1,000 sheets (A4**, B5**) 1,200 sheets (SR43, A3W, SR44, A3, B4, A4**, B5**, A5) 250 sheets (A6**)
	(Offset)	1,000 sheets (A4**, B5**) 1,500 sheets (A3, B4, A4**)
	(Staple)	200 sets or 1,000 sheets (A4**, B5**) 100 sets or 1,500 sheets (A3, B4, A4**)
Top tray	(Stapleless staple)	200 sets (A4**), 100 sets (A3)
		250 sheets (A4**, B5**, A5) 120 sheets (SR43, A3W, SR44, A3, B4, A4**, B5**)
	Saddle stitch tray	10 sets of 11-30 sheets, 35 sets of 6-10 sheets, 35 sets of 1-5 sheets
Stapling capacity	Staple	65 sheets (A4**, B5**), 30 sheets (A3, B4, A4**)
	Stapleless staple	10 sheets** (A4*), 5 sheets** (A3)
	Manual staple	Total paper thickness 4 mm or less (50 sheets)
Staple position	Staple mode	3 locations (front, rear, or 3-point stapling)
	Stapleless staple mode	1 location (rear)
	Manual staple mode	1 location

## Punch Module

Model name	For BP-FN11	MX-PN14B**	MX-PN14C**	MX-PN14D
	For BP-FN13, FN14	MX-PN15B**	MX-PN15C**	MX-PN15D
	For BP-FN15, FN16	MX-PN16B**	MX-PN16C**	MX-PN16D
Number of holes		3 or 3	3 or 4	4 (wide)
Paper weight		55 to 256 g/m <sup>2</sup> *		

## BP-FD10 Folding Unit

Folding mode	Z-fold, C-fold, Accordion-fold, Half-fold	
Paper size	Z-Half-fold	A3, B4, A4** (11" x 17", 8 1/2" x 14", 8 1/2" x 11 1/2", 8 1/2" x 11")
	C/Accordion-fold	A3, A4** (11" x 17", 8 1/2" x 14", 8 1/2" x 11 1/2", 8 1/2" x 11")
Paper capacity	Not folded	200 sheets
	Folded	30 sheets**

## BP-DE12 Stand with 550-Sheet Paper Drawer

Paper size	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
Paper capacity	550 sheets

## BP-DE13 Stand with 2 x 550-Sheet Paper Drawer

Paper size	Upper and lower tray	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
Paper capacity	Upper and lower tray	550 sheets each

## BP-DE14 Stand with 3 x 550-Sheet Paper Drawer

Paper size	Upper/middle/lower tray	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
Paper capacity	Upper/middle/lower tray	550 sheets each

## BP-DE15 Stand with 550 + 2,100-Sheet Paper Drawer

Paper size	Upper tray	SR43 to A6** (12" x 18" to 5 1/2" x 8 1/2")
	Lower right tray	A4**, B5** (8 1/2" x 11")
	Lower left tray	A4* (8 1/2" x 11")
Paper capacity	Upper tray	550 sheets
	Lower right tray	600 sheets
	Lower left tray	1,200 sheets

## BP-LC10 Large Capacity Tray

Paper size	A4*, B5** (8 1/2" x 11")
Paper capacity	1,000 sheets

## MX-LT10 Long Paper Feeding Tray

Paper size	Width	90 to 120 mm
	Length	450 to 1,200 mm
Paper capacity		1 sheet

Note: All specifications relating to paper capacity refers to 60 g/m<sup>2</sup> paper.

- \*1: Short-edge feeding. \*2: Short-edge feeding for 7 1/2" x 10 1/2" and 5 1/2" x 8 1/2" paper.
- \*\*1: Long-edge feeding. \*\*2: Long-edge feeding for A4 and B5 paper. \*3: Guaranteed stapleable weight is up to 64 g/m<sup>2</sup> (3 sheets up to 81.4 g/m<sup>2</sup> and 6 sheets up to 205 g/m<sup>2</sup>).
- \*4: Guaranteed stapleable weight is up to 64 g/m<sup>2</sup> (4 sheets up to 81.4 g/m<sup>2</sup> and 3 sheets up to 205 g/m<sup>2</sup>).
- \*5: Accepts North American paper sizes. \*6: Accepts ISO-standard paper sizes. \*7: Guaranteed punchable weight is 40 to 120 g/m<sup>2</sup>. \*8: When used with a finisher, 20 Z- or half-folded sheets (A3 and B4). These sheets are ejected from the finisher.

**SPECIFICATIONS**

**General**

Type	Desktop
Engine speed	A4 (8 1/2" x 11") <sup>1)</sup> : Max. 55 ppm A3 (11" x 17") <sup>2)</sup> : Max. 36 ppm SRA3: Max. 34 ppm
Control panel display	10.1-inch colour LCD touchscreen
Paper size	Max. SRA3 (12" x 18"), min. A6 (5 1/8" x 8 1/8") <sup>3)</sup>
Paper capacity (80 g/m <sup>2</sup> )	Standard: 650 sheets (500-sheet tray and 100-sheet bypass tray) Maximum: 6,300 sheets (650 sheets & optional 550 + 2,100-sheet tray and 1,000-sheet tray)
Paper weight	Tray: 60 g/m <sup>2</sup> to 300 g/m <sup>2</sup> (16 lbs bond to 110 lbs cover) Bypass tray: 55 g/m <sup>2</sup> to 300 g/m <sup>2</sup> (13 lbs bond to 110 lbs cover)
Warm-up time <sup>4)</sup>	15 sec. <sup>5)</sup>
Memory	Standard: 5 GB (copy/print shared) 128 GB SSD <sup>6)</sup> Option: 512 GB <sup>7)</sup>
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) <sup>8)</sup>	608 x 652 x 829 mm (23 1/2" x 25 3/4" x 32 5/8")
Weight (approx.)	70 kg (154.2 lbs)

**Copier**

Original paper size	Max. A3 (11" x 17")
First copy time <sup>9)</sup>	Colour: 4.8 sec. B/W: 3.7 sec.
Continuous copy	Max. 9,999 copies
Resolution	Scan (colour): 600 x 600 dpi Scan (B/W): 600 x 600 dpi, 600 x 400 dpi Print (colour): 600 x 600 dpi, 9,600 (equivalent) x 600 dpi (depending on copy mode) Print (B/W): 1,200 x 1,200 dpi, 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 RSFP) in 1% increments
Preset copy ratios	Metric: 10 ratios (SR/SE), Inch: 8 ratios (AR/AE)

**Scanner**

Scan method	Push scan (via control panel) Full scan (TWAIN-compliant application)
Scan speed <sup>10)</sup>	Colour & B/W: Max. 80 originals/min.
Resolution	Push scan: 100, 150, 300, 300, 400, 600 dpi Full scan: 75, 100, 150, 300, 300, 400, 600 dpi 50 dpi to 9,600 dpi via user setting <sup>11)</sup>
File formats	TIF, PDF, PDF/A-1a <sup>12)</sup> , PDF/A-1b, encrypted PDF, XPS, compact PDF <sup>13)</sup> , JPEG <sup>14)</sup> , searchable PDF <sup>15)</sup> , ODF/ODT (pptx, xls, docx) <sup>16)</sup> , text (TXT [UTF-8]) <sup>17)</sup> , rich text (RTF) <sup>18)</sup>
Scan destinations	Email/desktop <sup>19)</sup> /FTP server/network folder (SMB)/USB drive/local drive

<sup>1)</sup> Long-edge feeding.  
<sup>2)</sup> Only short-edge feeding can be used with A4 and 8 1/2" x 11" paper.  
<sup>3)</sup> In a standard measurement environment. May vary depending on operating conditions and environment.  
<sup>4)</sup> When starting the MFP via the power button. 37 seconds when starting via the main power switch.  
<sup>5)</sup> Storage capacity depends on procurement and recording status.  
<sup>6)</sup> Replacing the standard-equipped SSD with the optional BP-6020 increases storage capacity to 512 GB.  
<sup>7)</sup> Including pre-installed ones.  
<sup>8)</sup> Long-edge feeding of A4 (8 1/2" x 11") sheets from top paper tray, using document glass, without Auto Colour Selection and Auto Colour mode, MFP is fully ready condition. May vary depending on operating conditions and environment.  
<sup>9)</sup> Based on SR exp's A4 standard sheet, using document feeder, long-edge feeding, and one-sided scanning. Using factory default settings with Auto Colour Selection off. Scan speed will vary depending on the type of document and the scan settings.  
<sup>10)</sup> Resolution will vary depending on the size of the scanned area.  
<sup>11)</sup> Requires optional MR-6020.  
<sup>12)</sup> Colour/grayscale only.  
<sup>13)</sup> Requires optional MR-6020.  
<sup>14)</sup> Requires Network Scanner Tool Lite.  
<sup>15)</sup> Storage capacity will vary depending on the type of document and the scan settings.  
<sup>16)</sup> Some features require optional equipment.  
<sup>17)</sup> Requires optional BP-6020. Availability of this option varies by country/region.  
<sup>18)</sup> Mac OS requires optional MR-PR21.  
<sup>19)</sup> Based on SR exp's standard sheet with approx. 700 characters (A4 or 8 1/2" x 11" long-edge feeding) at standard resolution in Super 60 mode, 33,600 bps, JBIG compression.

**Document Filing**

Document filing capacity <sup>20)</sup>	[Standard] Main and custom folders: Max. 5,000 pages or 500 files Quick file folder: Max. 5,000 pages or 500 files [Option] Main and custom folders: Max. 20,000 pages or 1,000 files Quick file folder: Max. 10,000 pages or 1,000 files
Stored jobs <sup>21)</sup>	Copy, print, scan, fax
Storage folders	Quick file folder, main folder, custom folder (max. 1,000 folders)

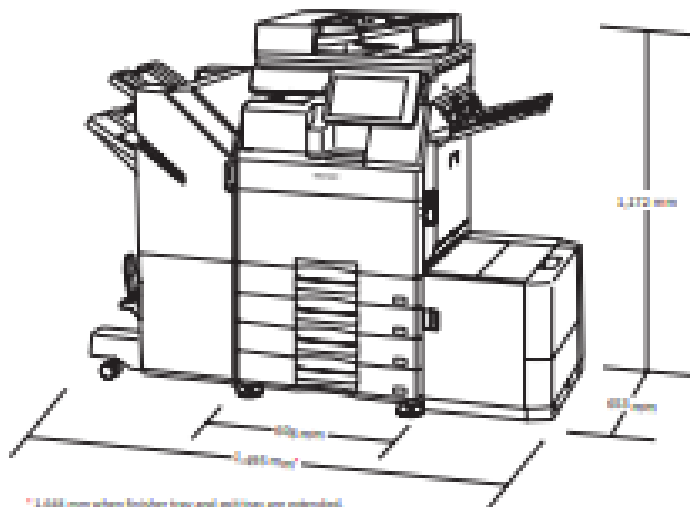
**Printer**

Resolution	1,200 x 1,200 dpi, 600 x 600 dpi, 9,600 (equivalent) x 600 dpi
Interface	USB 2.0 (host, high-speed), USB 3.0 (host, super speed), 10Base-T/100Base-TX/1000Base-T, wireless LAN (IEEE 802.11 a/b/g/n/ac) <sup>22)</sup>
Supported OS <sup>23)</sup>	Windows Server 2003, Windows Server 2012 R2, Windows Server 2008, Windows Server 2016, Windows 8.1, Windows 10, Windows 11, Mac OS 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 11, 12
Network protocols	TCP/IP
Printing protocols	LPS, Raw TCP (port 9440), POP3 (email printing), HTTP, FTP for downloading print files, IPP, IPP Everywhere, SMB, WSD
PDL	Standard: PCL 6 emulation Option: Adobe PostScript 3
Available fonts	80 fonts for PCL, 129 fonts for Adobe PostScript 3

**Facsimile (requires optional BP-FX11)**

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds <sup>24)</sup>
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 203.2 dpi)
Recording size	A3 to A5 (11" x 17" to 5 1/8" x 8 1/8")
Memory	4 GB (built-in)
Grayscale levels	Equivalent to 256 levels

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