

Technical Specification

General

Engine		Inkjet
LCD Display		1 line x 16 characters
Back-lit function keys		For easy selection of Fax / Copy / Scan functions
Back-up for clock		Keeps time and date backed up for 1 hour
Memory Capacity	MFC-3420C MFC-3820CN	8MB standard 16MB standard
Automatic Document Feeder		up to 20 sheets
Paper handling size		A4, LTR, LGL, EXE, A5, A6, Postcard, Envelope + additional sizes
Media Type		Plain, Inkjet, Glossy, Transparency
Paper Capacity	Standard paper tray	up to 100 sheets
	Output paper capacity	up to 50 sheets
Simultaneous Operation		(Print/Fax) (Print/Copy) (Print/Scan)

Colour Printer

Speed	Up to 14ppm mono & 12ppm colour
Resolution	Max. 4800 x 1200dpi optimised
Warm-up time	Zero warm-up time
Print paper margin	Up to 3mm of all edges. (Depending on media type)
Colour Enhancement	Brother Image enhancement allows you to custom colour output
Variable drop size	From 5pl for enhanced quality printing

Colour Fax

Modem	MFC-3420C MFC-3820CN	14.4kbps - Approx 6 seconds transmission 33.6kbps Super G3 - Approx 3 seconds transmission
Data Compression		Mono: MH / MR / MMR Colour: JPEG
Automatic redial		Automatic redial if the recipient fax is busy
Speed dials	MFC-3420C MFC-3820CN	40 locations for pre stored numbers 100 locations for pre stored numbers
Group dials		up to 6 groups
Fax / Tel switch		Automatic recognition of fax and telephone reception
Super fine		Enables quality transmission and reception of very small print or line drawings
Grey scale		256 shades of grey
Delayed timer		Yes - up to 50
Memory Transmission	MFC-3420C MFC-3820CN	Up to Brother Chart No 200 pages Up to Brother Chart No 480 pages
Out of paper reception	MFC-3420C MFC-3820CN	Up to Brother Chart No 200 pages Up to Brother Chart No 480 pages
Broadcasting locations		Send the same fax message to multiple locations (MFC-3420C - 90 / MFC-3820CN - 150)
Batch transmission		Stores documents for the same location in the machines memory for transmission in a single call (mono only)
Auto reduction		Automatically reduces a received fax to fit on to a singles sheet of A4
Error correction mode		Where machines share the ECM feature, errors during transmission are corrected automatically ensuring received documents are error free
Fax forwarding		Sends a fax received in memory to another pre-programmed fax number (Mono only)
Remote access		Allows the user to remotely access their machine by using another touch tone phone
Fax retrieval		Allows the user to retrieve fax messages using another touch tone machine (Mono only)
Dual Access		Scan a fax for transmission whilst receiving a fax

PC-Fax

Colour/Mono	Mono
Sending	Yes
Receiving	Yes (MFC-3820CN only)
Broadcasting	Yes (up to 50)

Colour Copy

Speed	Up to 12ppm mono & 10ppm colour
Resolution	Up to 1200 x 1200dpi print / Up to 600 x 1200dpi scan
Multi copy	Produces up to 99 copies of each original
Stack & Sort	Stacks or sorts output copies as desired
Enlargement / reduction ratio	25% - 400% in 1% increments
N in 1	Compress 2 or 4 pages on to a single sheet
Poster Printing	Enlarge an image to print on 3 x 3 pages

Colour Scanner

Resolution	Optical Interpolated	Max. 600 x 2400dpi Max. 9600 x 9600dpi
Scan speed		Scan speed is from 3 seconds Mono and from 5 seconds Colour
Grey Scale		256 shades of grey
Colour Depth		This model has a 30bit internal processing and 24bit output colour scanner
'Scan' key		Scan to e-mail/OCR/Image/File/Card* (* MFC-3820CN only)
ADF scanning		The ADF enables you to scan consecutive sheets
Flat Bed scanning		Using the Flat Bed enables you to scan bound documents

Interface(s)

External TAD Interface	Interface for connecting external telephone answering device
USB	USB 1.1 & 2.0 Full Speed connection as standard
Media Card Drive	(MFC-3820CN Only)
Acceptable Media Cards:	SmartMedia™, Compact Flash™, Sony Memory Stick™, Secure Digital™

Weights & Dimensions

Dimensions / Weight	With Carton	568(w) x 555(d) x 460(h) mm / 14.0kg
	Without Carton	448(w) x 585(d) x 446(h) mm / 10.5kg (MFC-3820CN - 11kg)

Supplies - Individual Ink Cartridges

Supplied with standard yield cartridges. Pages in draft mode @ 5% coverage	Black Cyan Magenta Yellow	LC-800BK - 500 pages LC-800C - 400 pages LC-800M - 400 pages LC-800Y - 400 pages
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Other Information

Power Consumption (MFC-3420CN/MFC-3820CN)	Power save Standby Peak	Less than 3.5W / less than 4W Less than 7W / less than 9.5W Less than 22W / less than 26W
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PhotoCapture Centre™ (MFC-3820CN Only)

Acceptable Media	SmartMedia™ Compact Flash™ Memory Stick™ Memory Stick Pro™ Secure Digital™ xD to CF Adaptor	3.3v 4MB - 128MB (Type 1 & 2, excluding Micro Drive) 4MB - 1GB 16MB - 128MB 256MB - 1GB 16MB - 512MB
Image format	Photo Print Scan to Card	Olympus MACF-10, Fujifilm DPC-CF JPEG, TIFF JPEG, PDF (colour) / TIFF, PDF (B&W)
Colour Enhancement		Brother image enhancement allows you to custom colour output

Network as standard enabling Network Printing, Scanning and PC-Faxing (MFC-3820CN Only)

For full network specification details, go to solutions.brother.com