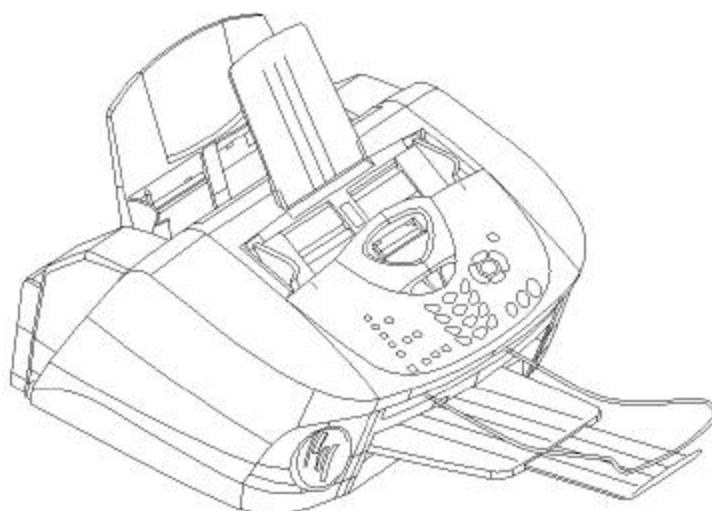**brother** At your side. ®

MFC-3320CN
Datasheet

Networked Sheetfed Colour Multi-function Centre

Colour Print
Colour Fax
Colour Copy
Colour Scan
PC-Fax
PhotoCapture Centre™
Built-in Network

CORE FEATURES
Individual ink cartridges
Illuminated Function keys
16MB Memory as standard
up to 100 sheet paper capacity
USB2.0 Full speed
Power save key
Energy star compliant

COLOUR PRINTER
up to 12 ppm colour & up to 14 ppm mono
up to 4800 x 1200 dpi resolution (optimised)
Windows® and Mac® compatible

COLOUR FAX
Monocrome & Colour faxing (ITU-T.30E fax
    standard)
33.3k bps fax modem
up to 20 page Auto Document Feeder
8 one-touch locations
100 speed dial locations
up to 400 pages memory (ITU-T Chart No 1)
Dual access, (mono only) and simultaneous
    operations

COLOUR COPIER
No PC required
Up to 1200 x 1200 dpi resolution (optimised)
Up to 99 multi-copies with stack feature, also has sort
    feature
Multi-layout copying 2 in 1 & 4 in 1
Reduce or enlarge from 25 - 400% in 1% increments

COLOUR SCANNER
Scan images in colour or monochrome
up to 2400 dpi resolution, (interpolated)
up to 600 x 1200 dpi resolution (optical)
scan to: Image / e-mail / OCR / File / Card

Includes award winning ScanSoft® PaperPort®
    and TextBridge® OCR software for Windows®
    and Presto!® PageManager® for Mac®

PC-FAX
Includes Brother PC-Fax driver for sending and
    receiving faxes via your PC
Windows® and Mac® compatible

PHOTOCAPTURE CENTRE™
4 slots for SmartMedia®, Compact Flash®,
    MemoryStick® and Secure Digital®
removable disk drive function – read / write files
scan-to-media card with:
    pdf / jpeg (colour),
    pdf / tiff (black and white)

Built-in Network
view media card images through LAN using web
    browsing
Network Scanning*, Printing & PC-Faxing
Network PhotoCapture Centre™
10/100BaseTX Ethernet

* Software license for 2 users as standard. Further license
    available for purchase.

General

Engine	Inkjet
Modem Speed (bps)	33,600
Transmission Speed	Approx 3 seconds (brother#1 test chart, MMR)
ITU-T group compatibility	Super G3
Coding method	Mono - MH/MR/MMR Colour - JPEG
ADF (Automatic Document Feed)	Up to 20 sheets
ADF Input width / height	89 – 216mm / 127 – 356mm
Input Paper Capacity	100 sheets
Output paper capacity	50 sheets
Output width / height	89 – 216mm / 102 – 356mm
LCD Display Size	1 line of 16 characters
On-screen programming	Step by step prompts are displayed within the LCD in order to facilitate programming machine options and settings.
Backup for clock	Up to 1 hour
Total Memory Capacity	16 MB memory as standard
Simultaneous Operation	(Print/Fax), (Print/Scan), (Print/Copy), (Fax/Copy)
Transmission lock	This allows the user to prevent unauthorised access to the machine.
Ink gauge indication	Ink levels can easily be displayed in the LCD
Power save button	This model has a Power Save button on the control panel
Back-lit function keys	Back-lit one-touch Fax, Copy and Scan function keys on the control panel

Colour Printer

Speed	Up to 14 pages per minute for Mono and up to 12 pages per minute for Colour (600 x 150dpi)
Warm-up time	Zero second warm up time
Resolution	Up to 4800 x 1200 dpi (optimised)
Paper Handling Size	A4 / A5 / A6 / EXE / LTR / LGL / JISB5 / Photo 102 x 152mm, 89 x 127mm, 127 x 178mm / Postcard 100 x 148mm, 200 x 148mm / Index card 127 x 203mm / C5 Envelopes / Com 10 / DL / Monarch / JE4 Envelope.
Media type	Plain / Inkjet / Glossy / Transparency
Print paper margin	This model will print to within: 3mm of each edge of the paper for A4, A5, Photo, Index card, Exe 3mm upper & lower, 6mm left and right for LTR, LGL 10mm upper, 20mm lower, 3mm left & right for Envelopes
Variable dot print	3 sizes for variable dot print with minimum droplet size of 5 pl
Colour Enhancement	Brother Image Enhancement allows the user to custom colour output

Colour Fax

Colour Fax	This model is capable of sending and receiving colour faxes to and from other colour capable fax machines, using the ITU.T-30E colour fax protocol. (Cannot send from memory in colour)
Automatic Redial	Automatic redialling if the recipient fax is busy
One-Touch Dial Keys	8 Locations (4 x 2)
Speed Dials	100 Speed Dial locations
Group Dial	Up to 6 groups
Telephone Index	An electronic, alphabetical listing of stored one-touch, speed dial and group numbers.
Distinctive Ring Detection	A service purchased from the Telephone Company that allows two or more telephone numbers to share a single fixed line, the function enables the machine to provide a different ring tune for each number. Available only for UK and Denmark.
FAX/TEL Switch	Automatic recognition of fax and telephone reception
Super Fine	Enables quality transmission of very small print and line drawings (Transmit & Receive, Mono only)
Grey Scale	64 levels for monochrome, 256 levels for colour
Enhanced Remote Activate	Transfer a fax call, answered at an extension phone, to the fax machine, (mono only)
Delayed Timer	Up to 50 timers (Mono only)
Polling Type	Standard and Sequential (Mono only)
Quick Scan	Reduce scanning times by scanning a fax into memory before sending. Approx. 3 seconds per page A4 standard
Memory Transmission	Up to 400 Pages (ITU-T Chart No 1, MMR)
Out of Paper Reception	Up to 400 Pages (ITU-T Chart No 1, MMR)

Colour Fax (Cont….)

Broadcasting	Send the same fax message to up to 158 separate locations
Batch Transmission	Stores documents for the same location in the machines memory for transmission in a single call. (Mono only)
Next Fax Reservation (dual access)	By loading a document in the ADF and entering the dialling location the user can prepare a fax for transmission whilst the machine is already receiving a call.
Auto Reduction	Long documents are automatically reduced to fit to A4
ECM (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)
Fax Retrieval	Allows the user to retrieve fax messages using a touch tone machine (Mono only)
Speaker / Ring volume	3 Steps and off
Remote maintenance	Allows a call centre to maintain a users fax machine without leaving the office.
Remote Access	Allows the user to remotely access their machine by using another touch tone phone
Station ID	This is the stored information that appears on the top of faxed pages
PC-Fax	Send and receive faxes from your PC, broadcast to up to 50 locations. (Mono only)

Colour Copy

Speed	Up to 12 copies per minute for Mono and up to 10 copies per minute for Colour (600 x 150dpi)
Enlargement/Reduction Ratio	Reduce or Increase document sizes from 25% to 400% in 1% increments
Resolution	Maximum print resolution 1200 x 1200 dpi Maximum scan resolution 600 x 1200 dpi
Multi Copy (Stack)	Using stack, copies of sheets A, B, C will be delivered into the tray in order A,A,B,B,C,C for up to 99 copies
Multi Copy (Sort)	Using sort, copies of sheets A, B, C will be delivered into the tray in order A B C A B C
2 in 1 / 4 in 1	Allows the user to compress 2 or 4 pages on to a single A4 sheet
Paper handling size	A4 / A5 / Postcard (10cm x 15cm)
Paper handling type	Plain / Inkjet / Glossy / Transparency

Colour Scanner

Resolution (Optical)	Up to 600 x 1200 dpi
Resolution (Interpolated)	Up to 2400 x 2400 dpi (for XP with special tool, 1200 x 1200 dpi for XP without special tool)
Speed	Scan speed is from 4 seconds
Grey Scale	256 shades of grey are available for copying, faxing or scanning
Scan Key	Allows the user to scan to Image, e-mail, OCR, File or card. For Windows® and Mac®
Colour Depth	This model has a 30 bit internal processing colour scanner
Consecutive scan with ADF	The ADF facility enables you to scan consecutive sheets unattended with Windows® and Mac™

PhotoCapture CentreÒ

Acceptable Media	The following can be used with this model: Smart Media™ (3.3v) 4MB – 128MB Compact Flash™ (Type –1 / 2) 4MB – 1GB (except Microdrive, this is not supported). Memory Stick™ 16MB – 128MB Memory Stick Pro™ 256MB – 1GB Secure Digital 16MB – 512MB XD to CF-Adapter: Olympus MACF-10, Fujifilm DPC-CF
Print from...	You can print from any of the acceptable media listed without the use of a PC
Media format	The following media formats are supported by this model: DPOF, EXIF, DCF
Scan-to-card	The following image formats are supported by this model: TIFF, PDF (Mono), JPEG, PDF, (Colour)
Colour Enhancement	Brother Image Enhancement allows the user to custom colour output
Media Drive	USB only. Win98SE/Me/2000/XP, Mac OS 8.6-9.2, Mac OSX 10.1 / 10.2.1-10.2.4

brother

At your side.

MFC-3320CN
Features

Built-in Network as standard

Network connection	Ethernet 10/100Base-TX Auto Negotiation
Network functions	Printing, Scanning, PC-Faxing, PhotoCapture ,(Network Scanning 2 user license supplied as standard)
Protocol support	TCP-IP - Including the following: RARP, BOOTP, DHCP, APIPA, NetBIOS, WINS, LPR/LPD, Port9100, SMTP/POP3, Rendezvous, FTP, TELNET, SNMP, TFTP, Scanner Port
Operating system	Print / PC-Fax / Scan / PhotoCapture Centre™: Win98(SE)/Me/2000/XP Print / PC-Fax / PhotoCapture Centre™: Mac OS 8.6-9.2, 10.2.1 or greater
Network Management	BRAdmin Professional
Optional user licences	Optional 5 user licences are available to purchase (NL-5)

List / Report

Journal Report	Lists information about the last 200 incoming and outgoing faxes.
TX (Transmission) Verification Report	Reports transmission details after each fax is sent (obtained by pressing the reports key)
Help List	A list of basic operational steps and functions (obtained by pressing the reports key)
Quick dial list	Lists names and numbers stored in One-Touch and Speed Dial memory, in numerical order (obtained by pressing the reports key)
System set-up	A printed report that shows the current setting of your machine (obtained by pressing the reports key)

Interface

External TAD Interface	Interface for connecting external telephone answering devices
USB	USB 1.1 / 2.0 Full speed connection as standard
Media Card slot	Acceptable media – SmartMedia, Compact Flash, Memory Stick and Secure Digital

4 Separate Ink Cartridges

Black	LC800BK	Up to 500 pages*
Cyan	LC800C	Up to 400 pages*
Magenta	LC800M	Up to 400 pages*
Yellow	LC800Y	Up to 400 pages*
	*@ Draft Mode @ 5% coverage	

Weights and Measures

With Carton	(554mm width) x (495mm depth) x (330mm high)
Without Carton / with paper guides	(434mm width) x (583mm depth) x (346mm high)
Without Carton / without paper guides	(434mm width) x (366mm depth) x (211mm high)
With Carton	10.0 Kg
Without Carton / with paper guides	7.5 Kg
Without Carton / without paper guides	7.0 Kg

Power Consumption	Power save	less than 4W
	Stand-by	less than 11W
	Peak	less than 27W
Machine Noise	Standby	35dB(A)
	Copying	48dB(A)