MFC-9460CDN **DR320/ TN320/ TN325**

High Speed Network Ready Colour Laser All-in-One Printer with Automatic Double sided Printing and Fax

Perfect for helping small offices grow bigger, this space-saving machine combines high speed printing (up to 24ppm), copying, scanning and faxing with an optional 800-sheet paper capacity for optimum efficiency. There's a time-saving 35- sheet document feeder and automatic double-sided printing can potentially halve your paper costs, with further savings from optional high yield toners. If security's a priority, the built-in LCD screen allows PIN-protected printing too.

Catalogue Spec

- Feature packed colour laser multifunction printer ideal for 1 to 5 users
- High speed 24ppm mono and colour printing/ copying
- First page out in less than 16 seconds
- Save paper with double-sided printing as standard
- Extra flexibility with network connectivity making sharing easy
- Easy install and cost effective individual supplies
- High Speed Faxing
- Built-in LCD screen allows PIN protected secure printing
- Increase efficiency with the direct print via the USB Host port
- Large 250 sheet tray and 50 sheet multi purpose tray
- Boost paper capacity to 800 sheets with the 500 sheet optional tray
- Time saving 35 sheet automatic document feeder
- High resolution network colour scanning
- Reduce cost with longer lasting high yield toners
- Added peace of mind with free 12-month warranty and lifetime technical support
- Green and clean technology that meets Energy Star, Blue Angel & Nordic Swan environmental standards

Detailed Spec

General

Engine	Electrophotographic laser printer (single pass)
Processor	StarSaphire (SS1000) 400MHz
Interface	Hi-Speed USB 2.0 / Built in 10/100 Base-TX Network
LCD Display Size	5 lines x 22 characters with white back-lit display
On-Screen Programming	Step by step prompts are displayed within the LCD in order to facilitate programming machine options and settings
Standard Memory Capacity	128MB (RAM)
Optional Memory	Expandable up to 384MB, using industry standard 1 x DDR2 (144 PIN) slot)
Simultaneous Operation	(Print/Copy), (Print/Scan)
On / Off Switch	Yes

Duplex Colour Printer

Speed	Up to 24ppm colour & mono
Resolution	Up to 2,400x600dpi resolution [2,400dpi class]
First Print Out Time [From Ready]	Less than 16 seconds mono & colour
Warm Up Time [From Sleep]	Less than 33 seconds from mono & colour
Emulation	PCL6 & BR-Script 3 (PostScript®3 Language Emulation)
PCL® Resident Fonts	66 scalable fonts, 12 bitmap fonts, 13 bar codes
BR-Script 3	66 Fonts
Paper Capacity** (Standard)	Up to 250 sheets can be stored in the paper tray
Output Paper Capacity**	Up to 150 sheets can be stored in the output paper tray face down

Colour Copier

Speed	Up to 24cpm colour & mono
FCOT (From Ready Mode)	Colour, 21 secs, mono, 19 secs
Resolution	1,200 x 600 dpi
Multi-Copying / Stack / Sort	Makes up to 99 copies of each page / Stacks or Sorts
Enlargement / Reduction Ratio	Reduce or Increase document sizes from 25% to 400% in 1% increments.
N in 1 Copying	Allows the user to compress 2 or 4 pages on to a single A4 sheet.

Colour Scanner

Resolution (Optical)	Maximum 1,200 x 2,400dpi from scanner glass, 1,200 x 600dpi from the ADF
Resolution (Interpolated)	19,200 x 19,200dpi
Colour Depth	This model has a 48bit internal / 24bit external Colour Scanner
Grey Scale	256 shades of grey are available for copying or scanning
TWAIN Scanner Compliance	Windows® 2000 and OS X 10.3.9 or greater
WIA Scanner Compliance	Windows Vista®, Windows® XP, Windows® 7
SANE Scanner Compliance	Linux
Scan Key	Enables user to scan a document to e-mail, image, OCR, file*

Colour Fax

Modem Speed	33, 6kbps
Transmission Speed	Approx. 2.5 sec /page (A4 Standard Resolution)
ITU-T group compatibility	Super G3
Data Compression	MH / MR / MMR / JBIG / JPEG
Backup for clock	Up to 60hrs
Memory Backup	Yes
Memory Security	Allows prevention of unauthorised access to the fax machine
Automatic Redial	Automatic redialling if the recipient fax is busy
One-Touch Dials	Auto dialling of a pre-stored number performed by the touch of one key, 16 locations (8 x 2)
Speed Dials	Auto dialling of pre-stored number by entry of a three digit number (300 locations)
Group Dial	A combination of up to 20 One-Touch and telephone index numbers can be stored on a One-Touch key for broadcasting
Telephone Index	An electronic, alphabetical listing of stored One-Touch, Speed Dial and Group numbers
Chain Dialling	Allows the user to store parts for long dialling sequences in different One-Touch or Speed Dial locations
Station ID	This is the stored information that appears on the top of faxed pages
FAX / TEL Switch	Automatic recognition of Fax and Telephone reception
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)
Speaker / Ring volume	3 Steps and off
Grey Scale	256 levels
Contrast	This allows the user to change the contrast between Auto / light / dark
Delayed Timer	Up to 50
Polling	This feature enables a machine to request another machine to send information on demand
Quick-Scan (Memory Transmission)	Reduce scanning times by scanning a fax into memory before sending. Approximately 2.5 seconds per page Up to 400 pages (ITU-T Test Chart, Standard Resolution, JBIG)
Out of Paper Reception	Up to 500 pages (ITU-T Chart/JBIG/Standard Resolution)
Broadcasting	Send the same fax message to up to 258 separate locations (Groups, One-Touch, Speed-Dial numbers and up to 50 manually dialled numbers)
Batch Transmission	Stores documents for the same location in the machines memory for transmission in a single call
Auto Reduction	When receiving a single page document between 297mm and 350mm long the fax machine will automatically reduce the message to fit onto a single A4 sheet

ECM (Error Correction Mode)	Where machines share the ECM feature, it will detect line errors during fax transmission and resend the page(s) of the document that had an error
Dual Access	Allows the user to dial a number, and begin scanning the fax into memory, even when the MFC is receiving, sending or printing a fax from memory.
Fax Forwarding	Sends a fax received in memory to another pre-programmed fax number
PC Fax Send & Receive	Sends & receives faxes direct from / to your PC from network or USB. (Send only for Mac & Linux)
Remote Access	Allows the user to remotely access their machine by using another touch tone phone

Printer Driver

Windows®	Windows® 7 / Windows Vista® / Windows® XP Home / XP Professional (32 & 64 Bit Editions) / 2000 Professional / Windows Server® 2003 (32 & 64 Bit Editions)/ 2008 / 2008 R2
Macintosh	Macintosh Printer Driver for Mac OS X 10.4.11, 10.5.x, 10.6.x
Linux	Linux printer driver for CUPS printing system(x86 , x64 environment), Linux printer driver for LPD/LPRng printing system(x86 , x64 environment).

Printer Driver Utility

| Driver Deployment Wizard [DDW] | Guides you through the printer driver install and creates an executable file that can be used to install the printer driver on other PC's. For Microsoft Windows® Only. |
| Secure Print | Print jobs can be password protected and printed only when the individual password is entered |

Printer Driver Functions

N-up Printing	Reduce up to 2, 4, 9, 16 or 25 A4 pages into just one A4 page
Poster Printing †	Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages
Watermark Printing †	Watermark your documents with predefined text or with your own user-defined messages
Booklet Printing †	Print documents in A5 Booklet format using manual duplex
Secure Print †	Protect your print jobs with a pin number, enter the pin number at the machine to print the documents
Reprint †	Quickly reprint the last print job sent to the machine by pressing the Reprint key
Colour Restrict †	Colour restriction tool from printer driver

Network Specifications

Network Protocols	TCP/IP (IPv4 and IPv6)
IPv4	ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Client and Server, CIFS Client, TELNET Server, SNMPv1/v2c/v3, HTTP/HTTPS server, TFTP client and server, SMTP Client, ICMP, LLTD responder, Web Services (Print), SNTP Client
IPv6 (Off by default)	NDP, RA, DNS resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Client and Server, CIFS Client, TELNET Server, SNMPv1/v2c/v3, HTTP/HTTPS server, TFTP client and server, SMTP Client, ICMPv6, SNTP Client, LLTD responder, Web Services (Print)
Network Security	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos

Network Management Utilities

| BRAdmin Light | For setup and LAN management |

Web Downloadable Network Management Utilities - http://solutions.brother.com

BRAdmin Professional	By web download for LAN management
Web BRAdmin	By web download for LAN/WAN management
Web Based Management	A printer and print server management through the web

Paper Handling

Paper Input**	Standard Tray: 250 sheets
	Optional Tray: 500 sheets
	Multi-Purpose Tray: 50 sheets
	ADF (Automatic Document Feeder) Up to 35 sheets
Paper Output**	Face Down: 150 sheets face down
	Face Up: 1 sheet

Media Specifications

Media Types	Standard Tray: Plain paper, Thin Paper, Recycled Paper
	Multi-Purpose Tray: Plain Paper, Thin Paper, Thick Paper, Thicker Paper, Glossy Paper, Recycled Paper, Bond, Label, Envelopes (Thick & Thin)
Media Weights	Standard Tray: 60 – 105g/m²
	Multi-Purpose Tray: 60 – 163g/m²
Media Sizes	Standard Tray: A4, Letter, ISOB5, A5, A5(Long Edge), ISOB6, A6, Executive, Legal, Folio
	Multi-Purpose Tray: Width (76.2 – 220mm) x Length (116.0 x 406.4)

List / Report

| System Set-up List | A printed report that shows the current setting of your machine. |

Page Counters - *Available to view in LCD or print*

Total Print Pages	Informs the user of the total number of all pages produced from this machine
Copy Pages	Informs the user of the total number of copies made on this machine in pages
PC Print Pages	Informs the user of the total number of PC prints from this machine
Report Pages	Informs the user of the total number of reports printed on this machine in pages

Supplies

Mono Toner (K)	TN-320BK: Standard yield of 2,500*
	TN-325BK: High yield of 4,000*
Colour Toners (C,M,Y)	TN-320C / M / Y Standard yield of 1,500*
	TN-325C / M / Y: High yield of 3,500*
Drum	DR-320CL: 25,000 A4 pages (one page per job) (4 separate drums 1 each for CMYK)
Belt Unit	BU-300CL: 50,000 A4 (one page per job)
Waste Toner Box	WT-300CL: 50,000 Pages @ 5% coverage for CMYK each

The frequency of replacement of consumables will vary depending on the complexity of the prints, the percentage of coverage, paper size, page per job, and the type of media.

Accessories

500 sheet lower tray	(LT-300CL): Expanding the total paper input to 800 sheets
Optional Memory	Expandable up to 384MB, using industry standard 1 x DDR2 (144 PIN) slot (Not available from Brother)

Dimensions & Weights

With carton & consumables	585 (W) x 676 (D) x 660 (H) mm, 33.5Kg
Without carton, with consumables	410 (W) x 503 (D) x 492 (H) mm, 27.8Kg

Power Consumption

Copying	Average 570w
Ready	Average 70w
Deep Sleep	Average 1.7w
TEC Value	1.79KWh

Sound Pressure Level

Copying	Less than 57 dB
Ready	Less than 33 dB

Sound Power Level

Copying	Less than 6.82 BA
Ready	Less than 4.8 BA

Ecology

Power Saving	This enables the machine to consume less energy when not in use.
Toner Saving	This reduces the toner usage and helps to reduce the total cost of printer ownership.
Blue Angel	Blue Angel has been awarded to this product for its low power consumption, minimal noise emissions and its recyclable design.
Energy Star	Certified to the world-wide eco label for power consumption.

Duty Cycles

Recommended	500 – 3,000 pages monthly print volume
Maximum	40,000 pages monthly print volume

*	Approx. yield is declared in accordance with ISO/IEC19798.
**	Calculated with 80g/m² paper
†	Windows* only