

At your side.  
**brother**®

HL-4000CN

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## Full Colour A4 Single Pass Laser Printer

Super fast high quality business colour printing



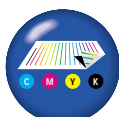
Pantone®  
Compatible



Up to 16ppm Colour  
Up to 16ppm Mono



PC & Macintosh  
Compatible



Single Pass  
Printing



Network Ready/  
Network Management



XPL2  
(PCL® 6 Emulation)



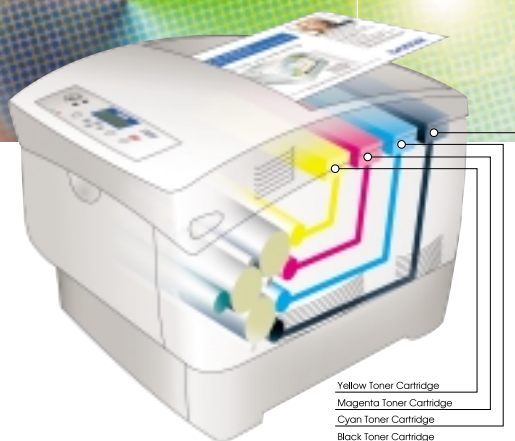
Genuine Adobe®  
PostScript® 3™



Duplex as Standard

The HL-4000CN brings workgroup colour printing to a new level

## HL-4000CN



The HL-4000CN delivers the perfect balance of quality workgroup colour printing with economical purchase and operating costs.

### Colour

In today's competitive marketplace expectations are high. When you want to catch someone's eye quickly and effectively you need to present yourself with the right credentials. That's why so many people are turning to colour, giving greater impact, professional appearance and high quality results.

### High speed Single Pass laser printing

The HL-4000CN single pass laser printing technology allows for fast printing as each of your documents' component colours are transferred onto the print drum in a single rotation.

In single pass laser printing, all 4 colours (see diagram) produce a full colour image 4 times faster than the conventional multi pass printing method. The result is fast colour printing at the same speed as mono.

The HL-4000CN's superior processing speed enables it to print memory hungry documents, such as Microsoft® Power Point presentations at up to 90% faster than other multi pass colour laser printers.



# a new level of colour printing



Up to 1,600 sheet input with optional LT-40CL

## HD-40CL Hard Disk Drive (optional)

Installing the HD-40CL can reduce the time taken to print multiple copies of documents



## Take advantage of our software features

The HL-4000CN offers advanced features that should exceed your expectations and demonstrate its value:

- Automatic Duplex
- Economy Mode printing
- Booklet Printing

## Truly versatile, add the options you need, when you need them

A wide variety of optional accessories and product enhancements are available for the HL-4000CN, making it a truly versatile workgroup machine.

Increase the maximum paper input capacity to 1,600 sheets by adding the 2 x 500 sheet lower paper unit. You can also increase your workgroups productivity by installing a hard disk drive, allowing you to:

- Monitor consumables and paper usage
- Job accounting

## Large Memory and expandability for demanding print jobs

- HL-4000CN has a standard 192MB Memory, expandable up to 320MB Memory by adding 1 x S0-DIMM (144 pin) of 64, 128 or 256MB.



## LT-40CL (optional)

The LT-40CL is supplied with castors attached as standard, making the HL-4000CN easy to manoeuvre around the office





## Keeping you in control

The HL-4000CN delivers A4 sized output at speeds of up to 16 pages per minute in both full colour and monochrome. And with Automatic Duplex as standard, it really is your most flexible choice for quality workgroup colour printing.

Comprehensive features that focus on simplicity and support make printing with Brother a pleasure. A user-friendly control panel offers a job cancel button as well as easy access to the machine's menu using scroll buttons. More advanced features such as booklet printing are found within a versatile driver suite which maintains the easy-to-use, easy-to-install theme, ensuring that you get the best possible output from your new printer.

And what's more, Brother's unique interactive help feature is constantly present, acting as your personal on-line support assistant, helping you to fix any problems quickly and clearly with pop-up messages and Flash movies.

## Key Product Features:

- Single Pass printing at up to 16ppm in Full Colour and Monochrome
- Up to 1200x1200dpi resolution
- 64Bit CPU running at 350MHz
- PCL® 6 Emulation and Genuine Adobe® PostScript®3™
- Network Ready
- Network Management
- Interactive help
- 64MB of Standard Memory, expandable to 320MB
- Flexible paper handling and large capacity with Automatic Duplex as standard
- PC and Macintosh compatible
- Optional paper tray and hard disk drive available
- Booklet printing

## Comprehensive font support

- PCL6 – 80 fonts
- Genuine Adobe® PostScript®3™ mode – 136 fonts

## Consumables

The four separate toners are situated in a line at the top of the machine thus allowing easy access when replacing. They are easy to unlock and lock into place reducing any wastage or spillage.

**The HL4000CN's competitive cost per copy - means colour can be used for everyday document printing and not just for those special presentations.**



# HL-4000CN



# Networking

## Embedded Web Server Support

Connect to the embedded web server inside the printer using your web browser to remotely manage the printer.

### Key features include:

- Easy-to-use interface
- Built in password protection prevents unauthorised users from changing printer and print server settings
- View and change a wide variety of printer and network information
- Instantly see consumable status
- Find and see the status of all other Brother network and SNMP connected devices

## BRAdmin Professional Software

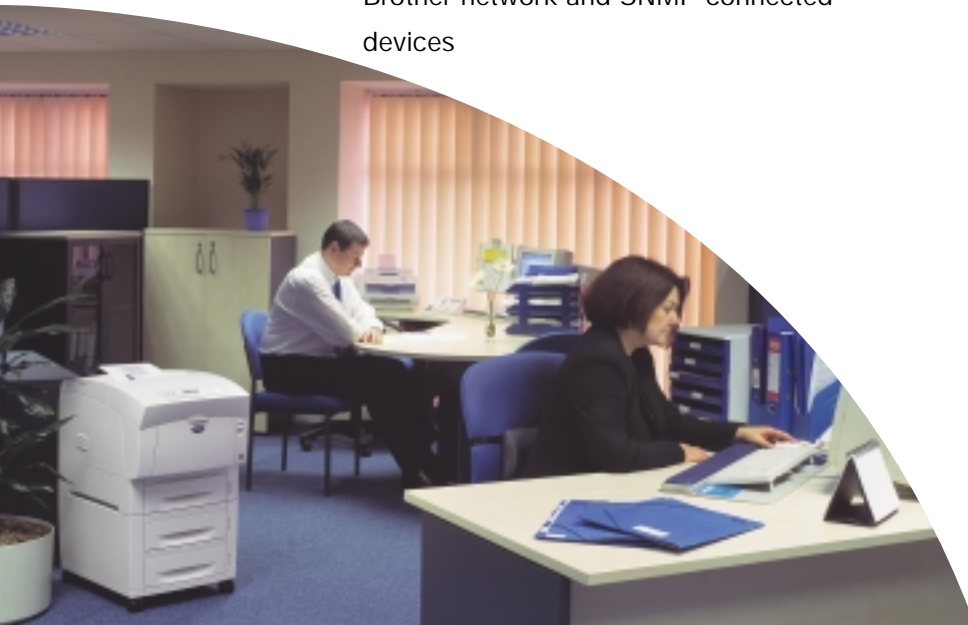
Our BRAdmin Professional Windows software is designed to allow you to manage your network-connected Brother devices plus any other SNMP compliant printers in your TCP/IP and IPX/SPX environments.

### Key features include:

- Find and manage all Brother network connected devices
- Group printers in a variety of ways including: model name, IP or IPX/SPX parameters, type, location, etc
- Configure individual or multiple Brother network devices
- Record and analyse printer usage information
- Manage other SNMP compliant devices

## Multiple Protocol Support

Brother's multi-protocol support ensures that Windows®95/98/Me/NT®4.0/Windows®2000/Windows®XP, Apple, Unix, Novell and others can all access the same printer.



## ENGINE

Technology			Tandem Electrophotographic
Print Speed A4	Standard	Monochrome	16 pages per minute
		Colour	16 pages per minute (8 pages per minute in 1200 dpi)
	Duplex	Monochrome	5 sheets per minute* <sup>1</sup> (2.5 sheets per minute in 1200 dpi)
		Colour	5 sheets per minute (2.5 sheets per minute in 1200 dpi)
Warm Up Time			Less than 30 seconds
First Print Time			This is the time taken from when the printer takes 1 sheet of paper from the paper cassette to when one sheet is printed and delivered onto the output tray.
Resolution	Standard	Monochrome	Less than 20 seconds* <sup>2</sup>
		Colour	Less than 20 seconds* <sup>2</sup>
Resolution	Standard		600 x 600 dpi 1200 x 1200 dpi

## CONTROLLER

Processor			OED RM5261A (350MHz)
Memory	Standard		192 MB
	Optional		1 SO-DIMM (144pin) slot. Possible to expand up to 320MB memory using 64, 128, 256MB DIMM cards.
Interface	Standard		IEEE 1284 Parallel and USB1.1 interface as well as 10/100BaseTX Ethernet.
Network Connectivity	Interface Protocol Management		10/100 BaseTX Ethernet (Auto Negotiation)* <sup>3</sup> TCP/IP, IPX/SPX, AppleTalk, NetBEU BRAdmin Professional* <sup>4</sup> Web Based Management* <sup>5</sup>
Storage Device Emulation			Hard Disk Drive XPL2,* <sup>6</sup> (PCL6 language emulation) Genuine Adobe PostScript 3
Resident Fonts	PCL		80
	PS3		Adobe 136 fonts

## SOFTWARE

Printer Driver			PCL Driver for Windows®95/ 98/ Me, NT®4.0/2000 and XP Adobe® PostScript® 3™ (PPD file for Windows®95/98/Me NT®4.0/2000/XP and Mac™OS 8.51-10)* <sup>7</sup>
Utility			Interactive help Driver deployment wizard* <sup>8</sup> Adobe® Type Manager software

## CONTROL PANEL

Display	LCD		2 lines of 16 characters
	LED		4 LEDs (Ready, Alarm, A and B)
Switches	7 Switches		Back/Job Cancel, Menu, Set/Form-Feed, 4 Scroll Keys

## COLOUR TECHNOLOGY

Pantone			Yes (PS 600 dpi mode for Windows® and Mac™)* <sup>9</sup>
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## PAPER HANDLING

Paper Input	Standard		100 sheets can be stored in the MP tray 500 sheets can be stored in Paper Cassette 1
	Optional		2 x 500 sheets can be stored in Paper Cassette 2 + 3
Paper Output	Standard		250 sheets can be stored face down in the output paper tray

## MEDIA SPECIFICATIONS

Media Types	Standard	MP Tray	Plain Paper, Transparencies, Envelopes, Labels and Post Cards
		Paper Cassette 1	Plain Paper, Recycled Paper
Media Weights	Optional	Paper Cassette 2 + 3	Plain Paper, Recycled Paper
	Standard	MP Tray	60 - 216 g/m <sup>2</sup> (16-80 lb)
Media Sizes	Optional	Paper Cassette 1	60 - 105 g/m <sup>2</sup> (16-28 lb)
	Standard	Paper Cassette 2 + 3	60 - 105 g/m <sup>2</sup> (16-28 lb)
Media Sizes	Standard	MP Tray	Cut Sheet: A4, B5(JIS), A5, Letter, Legal, Executive Envelopes: COM 10, Monarch, DL, C5 Other size: 88.9-215.9mm wide, 139.7-355.6mm long
		Paper Cassette 1	Cut sheet: A4, B5(JIS), A5, Letter, Legal, Executive
	Optional	Paper Cassette 2 + 3	Cut sheet: A4, B5(JIS), A5, Letter, Legal, Executive

PRINTER DRIVER FUNCTIONS\*<sup>10</sup>

Page Layout	N-up Printing	This model has the ability to reduce 2, 4, 8, 16 or 32 pages to print onto 1 page.
	Poster Printing	This model has the ability to enlarge 1 page to print onto 4, 9 or 16 pages.
	Watermark Printing	This feature can be used to watermark your documents with predefined text or with your own user-defined messages.
	Booklet Printing	

## SUPPLIES

These figures are based on an average 5% coverage of the printable area for one colour using letter or A4 laser printer. The frequency of replacement will vary, depending on the complexity of the prints, the percentage of coverage, paper size, page per job and the type of media. Transparencies, glossy coated paper and other specific media will result in shortened life. Life is based on A4/Letter long edge feeding.

Toner Black	8,500 pages: TN-11BK
Toner Colour (C, M, Y)	6,000 pages: TN-11C / TN-11M / TN-11Y
Print Head Cartridge	30,000 pages: PH-11CL (any coverage)
Transfer Roll	25,000 pages: TR-11CL (any coverage)

## DIMENSIONS/WEIGHTS

Dimensions	439 (W) x 590(D) x 445 (H) mm
Weights	35kg (incl. Print head)

## OTHERS

Power Consumption	Printing	Max: Less than 850W Ave: Less than 450W
	Standby	Max: Less than 850W Ave: Less than 180W
	Sleep	Less than 45W
Noise Level	Printing	52 dB* <sup>11</sup> (in 600 dpi and printed from standard paper cassette)
	Standby	Less than 35 dB
Ecology	Power Saving	This enables the printer 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.

- \*1) 10 sides per minute, 5 sheets per minute. \*6) PCL6 language emulation compatible.  
 \*2) From Paper Cassette 1 (from picking up paper to ejecting). \*7) Mac™OS 8.51-10.  
 \*3) Standard 10/100BaseTX is on board built-in. \*8) Windows®95/ 98/ Me, NT®4.0/2000 and XP only.  
 \*4) Brother original Windows® utility for print server management. \*9) PS 600 dpi mode for Windows and Mac.  
 \*5) Printer and print server management through web browser. \*10) PCL driver only.  
 \*11) In 600 dpi and printed from standard paper cassette.

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