

HL-5450DN

Increase efficiency and productivity at up to 38/40 pages per minute (A4/letter) by getting print job done in an instant and give yourself more time to grow your business and meet crucial deadlines.

Print your documents anywhere via different types of connectivity like Ethernet capability, mobile print, Air Print and Google Cloud Print.

Save when printing in bulk with the choice of standard and high yield toners of approximately 8,000* pages.

Reduce your electricity bills with the low power consumption of 0.6 watts in sleep mode when the printer is not in use.

*In accordance to ISO/IEC 19752.

GENERAL

Technology	Electrophotographic laser printer
Standard Print Speed (A4/Letter)	Up to 38/40ppm (pages per minute)
2-Sided Print Speed (Duplex)	Up to 18ipm (images per minute)
Warm Up Time	Less than 1 second (from sleep mode)
First Print Out Time	Less than 8.5 seconds (from ready mode)
Resolution	1,200 x 1,200dpi, HQ1200 (2,400 x 600dpi quality), 600 x 600dpi
Processor	400MHz
Memory Capacity	64MB (expandable up to 320MB using 1 x 144 pin, 16bit DDR2 DIMM)
Local Interface	Hi-Speed USB 2.0
Network Interface	Ethernet (10Base-T/100Base-TX)
Print Languages	PCL6, BR-Script3 (Postscript®3™ Language Emulation), IBM Proprinter XL & Epson FX-850
LED Display	Toner LED, drum LED, paper LED, back cover LED
Mobile Printing	iPrint&Scan, Google Cloud Print, Air Print



NETWORK UTILITIES / PROTOCOLS

Web Based Management	Web browser based management software
Driver Deployment Wizard	A quick & easy way to deploy Brother printer drivers on a networked Windows® PC
BRAdmin Professional	For LAN / WAN management. (Downloadable from http://solutions.brother.com)
Print Log to Network	Records printing activities from individual users
E-mail Notifications	Automatic alerts sent via e-mail when the device needs attention, e.g. toner low
Protocols	TCP/IP (IPv4 & IPv6)
IPv4 Supported Protocols	ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLNMR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/ IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/ v3, ICMP, Web Services (Print), CIFS client, SNTIP client
IPv6 Supported Protocols	NDP, RA, DNS resolver, mDNS, LLNMR responder, LPR/LPD, Custom Raw Port/ Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMPv6, Web Services (Print), CIFS Client, SNTIP Client

PAPER HANDLING

Paper Input	250 sheet standard paper tray 50 sheet multi-purpose tray
Paper Output	500 sheet optional paper tray (maximum of 1) 150 sheets face down 1 sheet face up (straight paper path)

MEDIA SPECIFICATIONS

Media Types & Sizes	Standard / Optional Paper Tray - Plain & recycled paper (between 60 - 105 g/m ² (16 - 28 lb)) Multi-Purpose Tray - Plain, recycled & bond paper (between 60 - 163g/m ² (16 to 43lb))
Media Weights	Standard / Optional Paper Tray - A4, Letter, B5(JSO/JIS), A5, A5(Long Edge), B6(JSO), A6, Executive, Legal, Folio Multi-Purpose Tray - Width: 76.2mm to 215.9mm (3" to 8.5") x Length: 127mm to 355.6mm (5" to 14")

SUPPORTED OPERATING SYSTEMS

Windows®	Windows 7® (32 & 64 bit editions), Windows Vista® (32 & 64 bit editions), Windows® XP Professional (32 & 64 bit editions), Windows® XP Home Edition, Windows® Server 2008R2, Windows® Server 2008 (32 & 64 bit editions), Windows® Server 2003 (32 & 64 bit editions)
Macintosh	Mac OS X 10.5.8, 10.6.x, 10.7.x
Linux	CUPS, LPD/LPRng (x86/x64 environment)

PRINTER DRIVER FUNCTIONS

N-up Printing ²	Reduce up to 2, 4, 9, 16 or 25 A4 pages into just one A4 page
Poster Printing ³	Enlarge 1 A4 page into a poster using 4, 9, 16 or 25 A4 pages
Watermark Printing ³	Watermark your documents with predefined text or with your own user-defined messages
Macro Printing ³	Create & embed custom templates, for example a company logo, which automatically prints on all of your printed documents
ID Printing ³	Add identification to your printed documents (date & time, short custom message or PC username)
Booklet Printing ³	Print documents in A5 booklet format using automatic or manual 2-sided print
Quiet Mode	Reduces the noise of the machine whilst printing (a small reduction in print speed also occurs)
Skip Blank Page ³	Ignores any pages blank pages in your documents
Reprint ³	Print the last document that was sent to the machine

SECURITY FEATURES

Security Protocols	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3, Kerberos, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)
Secure Function Lock v2	Restrict print activities to selected users and assign optional page limits
Secure Printing with SSL	IPP based encryption, already widely used in e-commerce to protect financial & sensitive information
IP Filter	IP address based access restriction (IPv4 only)

SUPPLIES / ACCESSORIES

In-box Toner	Approx. 3,000 pages ¹
Standard Toner	TN-3320 - Approx. 3,000 pages ¹
High Yield Toner	TN-3350 - Approx. 8,000 pages ¹
Drum	DR-3355 - Approx. 30,000 pages (one job per page)
Optional Lower Tray	LT-5400 - Up to 500 sheets



WEIGHTS & DIMENSIONS

Without Carton	371(w) x 384(d) x 245(h) mm / 10.5kg
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ENVIRONMENT

Typical Electrical Consumption	2.120kWh / week
Power Consumption	Ready mode: 4.7W, Sleep mode: 0.6W
Sound Pressure	59dBa active, 54dBa quiet mode, 34dBa ready
Sound Power	6.79BA active, 6.4BA quiet mode, 4.7BA ready
Power Save	Consume less energy when not in use
Toner Save	Reduces toner usage



DUTY CYCLE

Recommended Monthly Print Volume	500 to 3,500 pages
Maximum Monthly Volume	50,000 pages

¹Declared yield value in accordance with ISO/IEC19752, ²Windows® & Mac® only, ³Windows® only.

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HL-5450DN

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Prints on both sides

Faster Printing, Winning Results

**THE HL-5450DN IS THE PROFESSIONAL
PRINT PARTNER COMBINING
HIGH SPEED OUTPUT WITH ROBUST
RELIABILITY TO MEET YOUR
BUSINESS REQUIREMENTS**

Features to optimise your workflow

- High speed output at up to 38/40 pages per minute (A4/Letter)
- First page out in less than 8.5 seconds
- Standard total paper capacity of 300 sheets
- Approximately 8,000¹ page high yield toner cartridges
- Ethernet network connectivity
- 1,200 x 1,200 dpi resolution
- Standard automatic 2-sided printing with booklet feature

¹ In accordance to ISO/IEC 19752