



DELL 5330dn LASER PRINTER

HIGH-VOLUME, COST-EFFECTIVE MONOCHROME LASER PRINTING FOR LARGE WORKGROUPS

Designed for organisations that need to print large volumes of black-and-white documents cost-effectively, the Dell Laser Printer 5330dn combines blazing print speed with extreme robustness and workhorse productivity. Its fast network interface makes printer sharing easy and eliminates delays even for the largest print jobs. Operation and maintenance are straightforward and Dell's management software gives you total control over your printers from one central location.

With an affordable price, cost-effective consumables and low overall operating cost the Dell Laser Printer 5330dn represents a sound business investment. Thanks to numerous upgrade options, excellent product reliability and Dell's award-winning on-site support you can also be confident your investment is well protected.



Further details on our products at WWW.EURO.DELL.COM

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PRODUCT BENEFITS

HIGH-SPEED, HEAVY-DUTY PRINTING

With printing speeds of up to 48 pages per minute and monthly duty cycle of up to 250 000 printed pages, the 5330dn will meet the requirements of even the biggest workgroups producing large volumes of documents every day. The printer's heavy-duty design doesn't compromise high quality of output: the native 600 x 600 dpi resolution guarantees crisp, professional quality print.

NETWORKED PRODUCTIVITY

Thanks to the Gigabit Ethernet network interface, a standard feature of the 5330dn, users in a workgroup can share the printer easily. High-speed networking also helps produce documents faster, allowing even the largest print jobs to be transferred to the 5330dn quickly, without jamming the print queue.

LONG-TERM VALUE AND INVESTMENT PROTECTION

Customers enjoy peace of mind thanks to the robust design and high reliability of the 5330dn. Should a problem occur, Dell support experts will solve it rapidly on-site to help minimise the disruption of user productivity. Dell also protects your investment by offering a broad range of upgrade options. Additional paper drawers to expand input and output capacity, wireless adapter or internal USB memory to support additional fonts or barcodes are just a few examples of upgrades that will adapt the 5330dn to growing business requirements.

SIMPLE TO OPERATE, MAINTAIN AND MANAGE

A convenient LCD display with an intuitive menu interface and simplified toner replacement make operating the 5330dn straightforward even for a non-technical user. The Dell Toner Management System alerts you of low toner levels. Reordering toner is as simple as a few clicks at the dedicated Dell website www.dell.com/supplies, or supplies are available

from selected reseller partners. Using the familiar browser interface, the Dell Printer Configuration Web Tool makes managing the 5330dn simple and intuitive.

LOW TOTAL COST OF PRINTING

The 5330dn combines an affordable acquisition price with cost-effective consumables to minimise the total cost of printing. The 5330dn is shipped with a standard capacity toner cartridge (approximately 10 000 pages); users choosing the high-capacity cartridges (20 000 pages) will reduce the frequency of toner replacement and further optimise their cost per printed page. The power efficiency of the 5330dn also contributes to lower operating costs. Unlike other printer vendors, Dell includes fuser replacement in the standard warranty, helping users realise significant cost savings.

MINIMISED IMPACT ON THE ENVIRONMENT

The 5330dn's paper drawer supports the use of recycled paper and the re-use of freshly printed paper. The "N-Up" multiple-sheet feature reduces paper consumption by enabling the printing of multiple pages on a single sheet of paper. The 5330dn has received both Blue Angel and Energy Star eco-label certifications. On average, Energy Star qualified imaging equipment is 25% more efficient than conventional models according to US Environmental Protection Agency (source: www.energystar.gov). As all Dell printers, it has also been designed to reduce the use of materials and eliminate hazardous materials. Dell printer users can return toner cartridges to Dell for recycling at no cost. Dell also helps customers dispose of old printers and other computer equipment in an environmentally friendly manner.



5330dn printer



5330dn printer with optional 500 sheet drawer and optional 2100 sheet high capacity feeder



5330dn printer with optional 2100 sheet high-capacity feeder



5330dn printer with optional output expander

GET THE MOST OUT OF YOUR DELL PRINTER WITH GENUINE DELL OPTIONS AND SUPPLIES

Toner cartridges	Dell 5330dn black toner cartridge Dell 5330dn black toner cartridge <i>Toner yield based on testing in accordance with ISO/IEC 19752. Yields vary with usage and environmental conditions.</i>	standard: approximately 10 000 pages high capacity: approximately 20 000 pages
Additional paper drawer	An additional optional 500 sheet paper drawer is available for this printer, enabling less frequent paper refills or easy access to different types of media. Up to three units can be installed on this printer model.	
High capacity paper drawer	An additional optional 2100 sheet high capacity feeder unit is available for this printer. Add a 500 sheet drawer and a 2100 sheet high-capacity feeder to the standard paper input capacity to get a maximum capacity of 3200 sheets of paper	
Output Expander	An additional optional 650 sheet output expander is available to increase total output to 1000 sheets maximum	
Wireless network adapter	The optional internal Wireless Network Adapter provides wireless printing access	
Local disk	Depending upon application and network support, the optional 80 GB printer disk supports stored, delayed, secure and proof printing, print spooling and collated printing. Print spooling can speed print jobs and reduce network congestion, particularly with large, complex or multiple-copy documents. Collation can be accomplished more efficiently and with greatly reduced network traffic impact. Printer job management is improved, with an embedded Job Management System. Data on the disk are secure (AES 128 bit encryption) and there is a secure erase function available.	
Additional memory	An optional 512 MB memory module is available for this printer. Additional memory may speed the processing of large/complex print files, or networked print files	
USB Font Card	An optional internal USB font card is available, to store additional fonts, barcodes or logos for this printer. More details on available customisation is available from your Dell account representative or from selected solution partners	
Connectivity	Dell 3 m Ethernet cable Dell 3 m USB cable	
Service and support	Installation service available Next Business Day onsite service options, extendable to 5 years	



DELL 5330dn LASER PRINTER

Product description **High speed, high quality, low total cost monochrome laser printer for medium and large workgroups and departmental use**

Print specifications

Print speed ¹	Up to 48 A4 pages per minute (ppm)
First page out time	
-From 'Ready' state	8.5 seconds or less (Simplex A4, 600 dpi)
-From 'Power Saver' mode	30 seconds (Simplex A4, 600 dpi)
-From 'Power On'	45 seconds to 'Ready' state on LCD panel
Print resolution	600 x 600 dpi (default driver setting), 1200 Image Quality via software interpolation
User interface	4 line x 20 character backlit LCD (text and graphics), 3 button / 5 way cursor keypad
Data streams	PCL [®] 5e, PCL 6 and PostScript [®] Level 3 emulation
Processor	500 MHz
Memory (RAM)	256 MB standard, 768 MB maximum using optional 512 MB memory module
Memory expansion	One DIMM slot available for optional 512 MB memory expansion card
Typical Monthly Print Volume	4000 to 16 000 pages per month
Duty cycle	Up to 250 000 pages per month

Paper handling

Standard input sources	500 sheets covered drawer (75 gsm stock) and 100 sheet multipurpose tray
Additional input capacity	Additional optional 500 sheet drawers and a 2100 sheet high-capacity feeder are available for this printer model
-Supported drawer configurations	<i>Configuration A:</i> Standard 500 sheet drawer plus up to three optional 500 sheet drawers stacked - capacity 2000 sheets; <i>OR</i> <i>Configuration B:</i> Standard 500 sheet drawer plus one optional stacked 500 sheet drawer together with a 2100 sheet high-capacity feeder base unit - capacity 3100 sheets
Maximum input capacity	3200 sheets (Input configuration B above, including 100 sheet multipurpose tray standard)
Duplex unit	Automatic duplex unit (print both sides) included as standard. Duplex print speed (default driver settings) up to 32 ppm A4 ¹
Standard output destination	250-sheet bin face-down, or 100 sheets face-up from multipurpose tray feed
Additional output capacity	An optional 600 sheet output expander is available, to give a total output capacity of 1000 sheets
Supported media types, sizes and paper weights	
-Media types supported	Plain, thick, thicker, thin, coloured, pre-printed, recycled, envelope, transparency, label, cardstock, bond, letterhead ²
-Standard and optional 500 sheet drawers	Sizes supported - A4, A5, JIS B5, US Letter, US Legal, Executive, Folio: custom sizes - minimum A5 149 x 210 mm, maximum US Legal 215 x 330 mm. Media types and weights supported - Paper (Plain, thin, thick and recycled) 60 to 120 gsm, Bond 60 to 120 gsm, preprinted/letterhead 60 to 120 gsm
-High-capacity 2100 sheet feeder	Sizes supported - A4, US Letter, US Legal and Folio: paper weights 75 to 90 gsm
-Multipurpose tray (up to 100 sheets)	Paper sizes supported - A4, A5, A6, JIS B5, US Letter, Legal, Executive, Oficio, ISO B5, Folio, Statement, Custom. Envelope sizes - DL, C5, B5, 7¼ (Monarch). Stock types - paper, cardstock, transparencies (45 sheets max)
-Multipurpose tray media weights	Plain paper - 60 - 160 gsm, thick paper - 160 - 210 gsm, cardstock up to 175 gsm (grain long) or 215 gsm (grain short), transparencies 135-145 gsm, envelopes 60-105 gsm
-Standard and optional output bins	Sizes supported - A4, A5, JIS B5, US Letter, US Legal. Media types and weights supported - paper 60 to 175 gsm, cardstock up to 175 gsm (grain long) or 215 gsm (grain short), transparencies 135-145 gsm, envelopes 60-105 gsm ³
-Duplexer	A4, US Letter, US Legal, Folio, Oficio. Media types and weights as per 500 sheet drawer.
Page layout options	Portrait or Landscape orientation, multiple copies, duplex printing, multipage printing (N-up), booklet printing, watermarks, overlays, collate, secure printing
Printable area	Within 4 mm of all edges of the media

Connectivity

Standard interfaces	Hi-Speed USB 2.0 port, IEEE 1284-B compliant parallel port, 10/100/1000 baseT RJ45 Ethernet port (Gigabit standard). Note - cables are not included
Wireless options	Via optional wireless adaptor (available in Western European markets only)
Input/Output slots - internal	Internal slot for optional memory expansion, internal slot for optional hard disk, internal USB host port for optional barcode/font support (ROM and flash-able type), internal slot for wireless card
Print languages and fonts	HP PCL [®] 6 emulation: 93 scalable fonts, 1 bitmapped font. PostScript [®] 3 emulation: 136 scalable fonts: OCR-A and OCR-B fonts
Operating Systems (OS) support	Windows - NT 4.0 (PCL6 only) / 2000 / XP / Vista / 2003 Server / 2008 Server. Linux OS including Red Hat 8.0 -9.0, Fedora Core 1-4, Mandrake 9.2-10.1, SuSE 8.2-9.2, Suse Linux Enterprise Version10, Redhat WS Linux 5.0. Mac OS 9.x/10.1 and above, Unix - Sun 8, 9, 10, HP-UX 11i, IBM AIX 5.2, 5.3 <i>Latest printer drivers available from http://support.euro.dell.com</i>
Network protocols	TCP/IPV4, IPV6 (DHCP, DNS, 9100, LPR, SNMP, HTTP, IPSec), EtherTalk, Novell NetWare (iPX/SPX, NDS, Bindery, iPrint), DHCP, BOOTP, SLP, SSDP, Rendezvous (Bonjour), DDNS-Lite, WINS, TCP (Port 2000), LPR (Port 515), Raw (Port 9100), IPP Port Printing/Secure-IPP, SNMPv1/2/3, HTTP/HTTPS, Telnet, SMTP (E-mail Notification)
Wireless security protocols	Wi-Fi WPA2 Personal Certified, WPA - PSK, WEP (32 bit and 128 bit), Authentication Methods: EAP/MD5, EAP/MSCHAPv2, EAP/TLS, EAP/TTLS, PEAP
Wireless setup	Using Embedded Web Server (EWS) and Operator Panel

Consumables

Toner management	In conjunction with the printer and software, features include toner level reporting, low toner alerts, auto-generated alert e-mails, toner conservation, Web access via Dell Printer Web Tool, and the Dell Toner Management System TM
Ship-with toner cartridge capacity ⁴	The printer ships with a standard capacity toner cartridge (approx 10 000 pages coverage)
Refill toner cartridge capacity ⁴	Standard capacity (approx 10 000 pages coverage) or High capacity cartridges (approx 20 000 pages coverage) are available for this printer
Additional toner	Available through Dell online, by telephone or through your selected reseller
Toner recycling	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product
Additional consumables	None required

Language and regulatory certifications

Printer firmware including LCD operator panel, and printer driver software	English, French, German, Italian, Spanish, Dutch
User documentation	<i>Basic set-up and safety instructions</i> - English, French, Italian, German, Spanish, Dutch, Danish, Norwegian, Swedish, Finnish, Iberian Portuguese, Czech, Greek, Arabic, Hebrew, Russian, Turkish, Hungarian, Polish, Romanian <i>Softcopy user manual on CD</i> in English, French, German, Italian, Spanish, Dutch
Safety certifications	IEC/EN60950-1:2001 (International); IEC60825-1 (Laser); CE Mark (EU); NEMKO (Nordic); GS Mark (Germany); GOST and Hygienic (Russia); SASO (Saudi Arabia); SABS (South Africa); UL/cUL Listed (UL60950-1 US/Canada); FDA/DHHS (21CFR, Chapter 1, Subchapter J, Class-1 Laser, US); other safety approvals required by individual countries
EMC certifications	CE (EU countries); EN55022:1994 Class B+A1:1995+A2:1997; EN61000-3-2:2000+A2:2005; EN 61000-3-3:1995+A1:2001; EN55024:1998+A1:2001+A2:2003; FCC CFR Title 47, Part 15 Class B (USA); ICES-003, Issue 4 (Canada); GOST (Russia); SABS (South Africa)
Design for environment	Meets requirements found in Printer Design for Environment Specification (Agile p/n G1648), including material restrictions and energy consumption requirements.



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Other certifications and compliances EU WEEE, RoHS compliant⁵, Energy Star[®]-compliant, Blue Angel (Germany), SAP, Novell Yes, Citrix ready, Cerner, Citrix Metaframe XP Presentation Server, Citrix Metaframe Presentation Server 4.0 and 4.5.

Printer management

Software included Dell Toner Management System™ intelligent toner monitoring proactively notifies you before you run out of toner. Dell Printer Web Tool. Local Printer Setup Utility. TCP/IP Setup Utility

Security printing Security and Confidential 'walk-up' printing option available via 4 digit Personal Identification Number (PIN) entry through operator panel

Compatible printer management software Lexmark MarkVision Pro, CA Unicenter (non-64 bit), HP Openview (non-64 bit), and virtually any printer or device network management system that supports SNMP. Embedded Web Server (EWS)

Service options

Standard Service 24 x 7 online Technical Support for the life of the product
12 months access to Dell's telephone technical printer support queue
12 months Next Business Day onsite service⁶

Fuser maintenance Dell Laser Printer next business day service includes fuser maintenance parts and part replacement for the duration of the service contract

Service Options Two, three, four and five-year extended service options available
Upgrades available to one, two, three, four and five-year Dell Business Support
Optional installation service available

Printer options and accessories

Additional input paper capacity Additional optional 500 sheet drawers together with a 2100 sheet high-capacity feeder can be fitted - supported configurations up to 3100 sheets paper capacity are detailed above ... enabling less frequent paper refills or easy access to different types of media (for example, plain paper in the standard drawer, headed notepaper in another drawer, recycled paper in another drawer, and so on) where supported by application.
Additional 500 sheet paper drawer dimensions WxDxH - Unpacked 420mm x 455 mm x 140 mm: weight 5 kg. Stacked with printer - one additional drawer 420 mm x 476 mm x 517 mm, three additional drawers 420 mm x 476 mm x 797 mm
Additional 2100 sheet high-capacity feeder: dimensions WxDxH - unpacked 516 mm x 664 mm x 476 mm: weight 19.5 kg. Stacked with printer - 516 mm x 664 mm x 853 mm. Maximum input capacity dimensions (2100 sheet high-capacity feeder, standard 500 sheet drawer, optional 500 sheet drawer) 516 mm x 664 mm x 993 mm

Additional output capacity An optional 650 sheet output expander is available, to give a total output capacity of 900 sheets. Dimensions WxDxH - unpacked 398 mm x 182 mm x 233 mm: weight 2.7 kg. Stacked with printer - 415 mm x 476 mm x 610 mm

USB fontcard USB font cards can be used to store permanently additional fonts and forms. Using this option the printer can be enabled to print barcodes, logos etc.

Additional memory An optional 512 MB DDR2 memory module is available for this printer. Additional memory may speed the processing of large/complex print files, or networked print files.

Wireless options Optional IEEE 802.11 b/g wireless adaptor (available in Western European markets only)

80 GB local disk Depending upon application and network support, the optional printer disk supports stored, delayed, secure and proof printing, print spooling and collated printing. Print spooling can speed print jobs and reduce network congestion, particularly with large, complex or multiple-copy documents. Collation can be accomplished more efficiently and with greatly reduced network traffic impact. Printer job management is improved, with an embedded Job Management System. Data on the disk are secure (AES 128 bit encryption) and there is a secure erase function available.

Physical specifications

Dimensions (mm) *Printer:* 415 mm W x 476 mm D x 377 mm H
Shipping carton: 530 mm W x 565 mm D x 576 mm H

Weight 21.3 kg including standard toner cartridge (19.2 kg excluding standard toner cartridge); shipping weight 25.4 kg

Operating environment *Operating:* air temperature 10°C to 32°C, Relative Humidity 20-80% non-condensing, altitude 2500 m or less
Storage (unpacked): air temperature 0°C to 40°C, Relative Humidity 5-80%, altitude 3000 m or less
Storage (packaged): air temperature -40°C to +43°C, Relative Humidity 5-95%, altitude 10 000 m or less, barometric pressure > 250 mbar

Acoustics *Printing (Simplex mode/standard drawer):*
Sound Pressure, Bystander position (LpAm)⁷ 55.0 dBA
Sound Pressure, Operator position (LpAm)⁷ 56.8 dBA
Average Sound Power (LWAm), declared⁸ 6.8 Bels (68 dB)
Standby Mode:
Sound Pressure, Bystander position (LpAm)⁷ 28.0 dBA
Average Sound Power (LWAm), declared⁸ 4.1 Bels (41 dB)

Voltage 220-240 v AC, 47 to 63 Hz nominal. Power cord included with shipped printer.

Power consumption Continuous printing 700 W: Standby mode 100 W: Sleep mode 13 W: Off 0 W. Energy Star[®]-compliant

Maximum current while printing 5.3 A at 230 v AC

Typical electricity consumption 4.96 kWh per week⁹. Energy Star[®]-compliant - see <http://www.energystar.gov/ia/products>

Power Save options User-definable - 5-120 minutes (default 15 min)

NOTES

- 1 Print speed quoted refers to A4 Simplex (single-sided) page using default print mode (600 dpi). Actual print speed may vary depending upon system configuration, software application and document complexity
- 2 Envelope printing results may vary based on environmental conditions and the type of envelopes that are used
- 3 If paper coming out of the output tray has problems, such as excessive curl, try printing to the rear tray. Printing to the rear tray may improve the quality of the print of special medias such as envelopes, labels, transparencies and card stock
- 4 Tested in accordance with ISO/IEC 19752 testing methodology. Yields vary with usage and environmental conditions.
- 5 Meets the requirements of the EU Directive on the Restriction of the use of certain Hazardous Substances (RoHS) dated 27 January 2003
- 6 Service may be provided by third party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned. Replacements may be refurbished.
- 7 Typical measurements based on ISO 7779
- 8 Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, *Acoustics - Declared noise emission values of computer and business equipment*
- 9 The Typical Energy Consumption value is derived from printer energy consumption specifications combined with typical business printing usage for this model. The midpoint of the Typical Monthly Print Volume is assumed to be printed at 30 minute intervals across a 10 hour business day (0800-1800), 5 days per week. The printer enters standby mode when the print job is complete, and enters sleep mode after the default period. The printer is assumed to remain in sleep mode at all other times including two weekend days. Energy consumption will be further reduced if the printer is powered down when not in use for long periods. Actual energy consumption will vary according to print volume and usage patterns.

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