HP LaserJet 5000 Series printers.

Technical Data

The new standard for monochrome 11 x 17 workgroup printing.

HP LaserJet 5000 Series printers incorporate HP's most innovative new technologies, establishing new standards for paper-handling, speed, print quality, and network printer management. These printers are ideal for general office, finance, CAD, desktop publishing, marketing ... any workgroup that requires fast, high-quality monochrome printouts. And with the ability to print from 3 x 5 inch to full-bleed 11 x 17 images, they're an affordable alternative to "multiple-printer" departments or outsourcing.

HP LaserJet 5000 Series printers provide a superior network printing solution that includes industry-leading HP Web JetAdmin printer management software and HP JetDirect 600N internal print servers. What's more, every printer comes with one feature you can't get anywhere else—HP's unparalleled reputation for quality, reliability and compatibility.

Spend less time on printer issues
- Easy installation, configuration and management
- Manual or automatic driver updates off the Internet
- Less frequent paper and toner restocking
- Fewer help desk calls thanks to intuitive operations

Lower cost of ownership
- More standard features right out of the box
- Lower printing cost per page
- Reduced power consumption and maintenance costs
- Optional duplexer lets you print on both sides of a page

Get high-quality output, fast
- 1200-dpi quality without speed, memory or network traffic penalties
- Increased data throughput and faster processing
- 13-second startup for fast first page out

The ideal 11 x 17 solution for your general office and graphic-intensive workgroups.
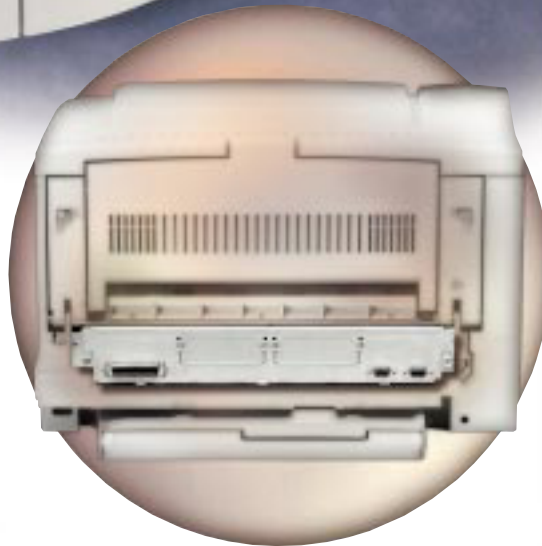
A two-line, backlit LCD displays easy-to-understand messages so users can troubleshoot simple problems (like Toner Low) without help desk intervention.

Straight-through paper path available through the multi-purpose tray), provides for curl-free printing and use of custom-size and heavier stocks.

Up to four input trays for a total capacity of 1,100 sheets reduces tray-swapping at the printer (HP LaserJet 5000 N shown).

HP LaserJet 5000 Series printers come with up to two EIO slots, a bidirectional parallel interface, a 9-pin serial interface and an HP JetAssist connector so you can easily add paper-handling accessories.

Get more for your money right out of the box.

Versatile Paper Handling

- Prints from **3 x 5 inch to 11 x 17 full-bleed** for maximum versatility.
- **Large standard input capacity** (350-sheet 5000, 850-sheet 5000 N/GN) reduces paper restocking.
  - **Optional duplexer** for two-sided printing.
  - **Up to 1,100-sheet paper capacity** with optional trays.

Faster Performance

- New **16-page-per-minute (ppm) engine** and **100-MHz RISC processor** outperform other laser printers.
- **Instant-on fuser** gives 13-second first page out, even from Powersave mode.
- Up to two 32-bit PCI-based **Enhanced I/O (EIO) slots** deliver faster throughput and greater flexibility.

Superior Print Quality

- **HP FastRes 1200** (printer default mode) prints 1200-dpi quality at the same speed as 600-dpi using standard memory.
- **HP ProRes 1200** gives you true 1200-dpi output.
- **UltraPrecise toner** uses 5-micron particles (less than one-half the size of most othebrands) for more accurate dot placement, en-hanced grayscale and photo-like quality.

Easier Integration and Management

- **HP Internet Installer** and **Oil Change for HP Customers** give you automatic access to the latest printer drivers.
- **HP PCL 5e, HP PCL 6** and **PostScript Level 2 emulation** ensure compatibility with both PC and Macintosh files.

Expandable

- **HP JetAssist connector** lets you easily add third-party paper-handling accessories.
- **HP JetSend** allows direct communication between printers, scanners and other information appliances without using the PC as the intermediary.
- New **DIMM memory modules** are smaller, more powerful and easier to add to the printer.

Customize your HP LaserJet 5000 Series printer with these quality HP accessories.

Duplexer saves paper and money by letting you print up to 11 x 17 inch images on both sides of a page.

Additional 250-sheet feeder Universal Tray (supports all sizes A5 to A3/11 x 17) lets you use alternative media without changing trays.

Additional 500-sheet feeder Universal Tray lets you print A5 to A3, letter to 11 x 17 and custom sizes without changing trays.

>1-Gbyte hard disk and flash memory DIMMs provide expanded storage of forms, fonts and signatures. The hard disk also lets you create multiple original prints (mopies) using a single network transmission.

HP UltraPrecise™ 10,000-page toner cartridge (p/n C4129X) offers a lower cost per page and less frequent toner replacement.
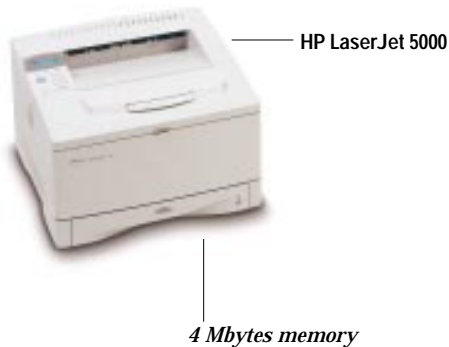
HP JetDirect 600N print servers connect printers to your network anywhere in the office and let you manage them remotely with HP Web JetAdmin printer management software.

How to choose the right HP LaserJet 5000 Series printer.

All HP LaserJet 5000 Series printers give you the most advanced workgroup printing and printer management technology HP offers.
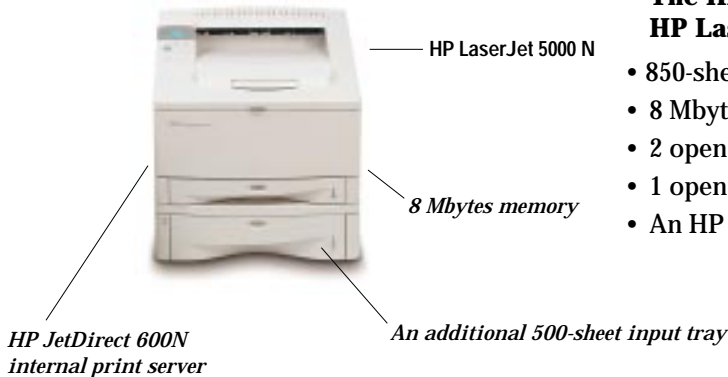
I need an expandable 11 x 17 general office printer.

HP LaserJet 5000

4 Mbytes memory

The HP LaserJet 5000 printer comes with:

- 16-page-per-minute engine and 100-MHz RISC processor for faster printing
- HP PCL 6 and PostScript Level 2 emulation ensure compatibility
- HP Transmit Once and Raster Image Processor (RIP) Once for faster multiple original printing, reduced network traffic and faster return-to-application times
- Improved drivers with intuitive interfaces and automatic Internet update capability
- HP Web JetAdmin and HP JetAdmin printer management software for easy installation and management
- Memory expansion up to 100 Mbytes
- New 10,000-page HP UltraPrecise toner cartridge reduces the cost of output
- Bidirectional IEEE 1284-compliant parallel interface and RS-232 9-pin serial interface
- 100-sheet/10-envelope multipurpose tray
- 250-sheet input tray
- 4 Mbytes standard RAM
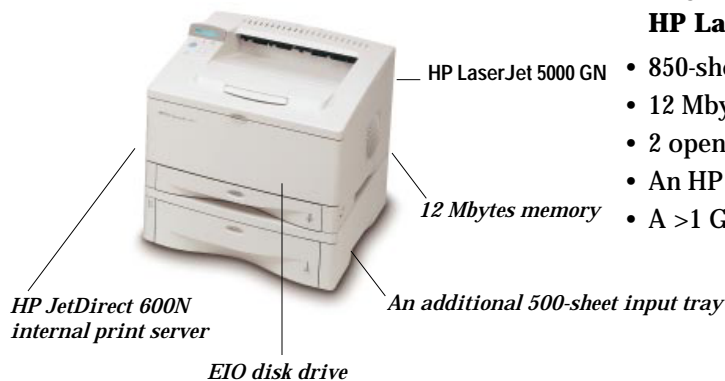- 3 open DIMM memory slots
- 2 open EIO expansion slots

I need a network-ready 11 x 17 office printer.

HP LaserJet 5000 N

8 Mbytes memory

HP JetDirect 600N internal print server

An additional 500-sheet input tray

The HP LaserJet 5000 N comes with all the features of the HP LaserJet 5000, with these differences:

- 850-sheet capacity
- 8 Mbytes of memory
- 2 open DIMM memory slots
- 1 open EIO expansion slot
- An HP JetDirect 600N EIO internal print server

I need a network-ready 11 x 17 graphics printer.

HP LaserJet 5000 GN

12 Mbytes memory

HP JetDirect 600N internal print server

EIO disk drive

An additional 500-sheet input tray

The HP LaserJet 5000 GN comes with the same features as the HP LaserJet 5000, with these differences:

- 850-sheet capacity
- 12 Mbytes of memory
- 2 open DIMM memory slots
- An HP JetDirect 600N EIO internal print server
- A >1 Gbyte EIO disk drive

Specifications.

Paper Handling
All HP LaserJet 5000 Series printers:
- Up to four input trays with a total capacity of 1,100 sheets
- Standard input capacity of 350 sheets (100-sheet multipurpose tray and 250-sheet tray)
- Standard output capacity of 300 sheets (250 sheets face-down and 50 sheets face-up)
- "Output full" sensor (face-down bin only)
- Straight-through paper path (face-up bin only)
- HP JetAssist connector for easy installation of paper-handling accessories
- Paper input-level indicators
- Optional 250-sheet universal tray supports all sizes A5 to A3/11 x 17 inch
- Optional 500-sheet universal tray supports all sizes A5 to A3/11 x 17 inch and custom sizes
- Optional duplex printing assumbly for double-sided printing

HP LaserJet 5000:
- Tray #1 is a 100-sheet/10-envelope multipurpose tray for automatic and manual feeding of envelopes, labels, transparencies and other special media sizes 3 x 5 to 12.28 x 18.5 inches
- Tray #2 is a standard 250-sheet input tray supporting letter, legal, 11 x 17 inch, executive, A3, A4, A5,B4 and B5 paper sizes

HP LaserJet 5000 N and GN printers:
- Tray #1 is a 100-sheet/10-envelope multipurpose tray for automatic and manual feeding of envelopes, labels, transparencies and other special media sizes 3 x 5 to 12.28 x 18.5 inches
- Tray #2 is a standard 250-sheet input tray supporting letter, legal, 11 x 17 inch, executive, A3, A4, A5, B4 and B5 paper sizes
- Tray #3 is a standard 500-sheet input tray supporting letter, legal, 11 x 17 inch, executive, A3, A4, A5, B4, B5 and custom paper sizes 210 x 148mm (8.27 x 5.85 in) to 297 x 432 mm (1.69 x 17 in)

Printer Languages
- HP PCL 5e, HP PCL 6 and PostScript Level 2 emulation
- Automatic language switching

Paper
- Copier, bond, special application and recycled paper
- Tray #1 handles overhead transparencies and labels designed for laser printers
- Standard Paper Tray #1–60 to 199 g/m^2 (16 to 53 lb) through face-up output bin only; 60 to 128 g/m^2 (16 to 34 lb) through face-up or face-down output bin
- Tray #2–60 to 105 g/m^2 (16 to 28 lb)
- Envelopes–60 to 105 g/m^2 (16 to 28 lb)
- Optional 250-sheet Tray (Tray #3/ #4)–60 to 105 g/m^2 (16 to 28 lb)
- Optional 500-sheet Tray (Tray #3 / #4)–60 to105 g/m^2 (16 to 28 lb)
- Optional Duplexer–60 to 105 g/m^2 (16 to 28 lb)

Paper Sizes
- A5–148 x 210 mm; 5.8 x 8.27 in (printable: 142 x 205 mm; 5.57 x 8.08 in)
- B5(JIS)–182 x 257 mm; 7.2 x 10 in (printable: 176 x 252 mm; 6.97 x 9.81 in)
- A4–210 x 297 mm; 8.27 x 11.7 in (printable: 204 x 292 mm; 8.04 x 11.51 in)
- B4(JIS)–257 x 364 mm; 10.1 x 14.3 in (printable: 251 x 359 mm; 9.87 x 14.11 in)
- A3–297 x 420 mm; 11.69 x 16.54 in (printable: 291 x 415 mm; 11.46 x16.35 in)
- Executive–184 x 267 mm; 7.25 x 10.5 in (printable:178 x 262 mm; 7.02 x 10.31 in)
- Letter–216 x 279 mm; 8.5 x 11 in (printable: 210 x 274 mm; 8.27 x 10.81 in)
- Legal–216 x 356 mm; 8.5 x 14 in (printable: 210 x 351 mm; 8.27 x 13.64 in)
- Tabloid–279 x 431 mm; 11 x 17 in (printable: 273 x 425 mm; 10.8 x 16.8 in)
- Minimum size–76 x 127 mm; 3 x 5 in (printable: 68 x 119 mm; 2.67 x 4.67 in)
- Maximum size–312 x 470 mm; 12.28 x 18.5 in (printable: 303 x 460 mm; 11.93 x 18.11 in)
- Optional Duplexer minimum size–148 x 210 mm; 5.8 x 8.3 in (printable: 138 x 204 mm; 5.4 x 8.1 in)
- Optional Duplexer maximum size–279 x 431 mm; 11 x 17 in (printable: 273 x 425 mm; 10.8 x 16.8 in)

Envelope Sizes
- #10 regular–241 x 105 mm; 9.5 x 4.125 in (printable: 235 x 100 mm; 9.27 x 3.93 in)
- Monarch–191 x 98 mm; 7.5 x 3.875 in (printable: 185 x 93 mm; 7.27 x 3.68 in)
- DL–220 x 110 mm; 8.66 x 4.33 in (printable: 214 x 105 mm; 8.43 x 4.14 in)
- C5–229 x 162 mm; 9.02 x 6.38 in (printable: 223 x 157 mm; 8.79 x 6.19 in)
- B5–250 x 176 mm; 9.85 x 6.93 in (printable: 244 x 171 mm; 9.62 x 6.74 in)

Print Orientation
- Portrait, landscape, reverse portrait and reverse landscape

Control Panel
- Intuitive operation and complete, easy-to-understand messages
- Two-line backlit LCD display and three LEDs
- Buttons: Job Cancel, Go, Menu, Item, Value, Select
- Indicators: Ready, Data, Attention
- Control panel can be locked through software
- Messages can be displayed in 17 languages: Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese (Katakana), Norwegian, Polish, Portuguese, Russian, Spanish, Swedish and Turkish

Environmental Ranges
Temperature for printer and toner:
- Operating–10° to 32.5° C (50° to 91° F)
- Storage–0° to 35° C (32° to 95° F)

Humidity:
- Operating–20% to 80% RH
- Storage–0% to 95% RH

Acoustics:
- Operating position–L_{wad}<58 dB (A) printing, L_{wad} <33 dB (A) standby (per ISO 9296, DIN 45635, T.19)
- Bystander 1m–L_{wad}<52 dB (A) printing, L_{wad} <28 dB (A) standby (per ISO 7779, DIN 45635,T.19)
- Sound Power–0 bels (A) in Powersave L_{wad}, 6.6 bels (A) printing at 16 ppm, 6.3 bels (A) printing at 8 ppm

Power Requirements
- Source–100 to 127 volts (+/-10%) or 220 to 240 volts (+/-10%)
- Printer's voltage ranges depend upon the country in which the printer is purchased
- Frequency–50 or 60 Hz (+/- 2 Hz)

Power consumption:
- Printing–365 watts
- Standby–40 watts
- Powersave–27 watts (EPA Energy Star)

Minimum circuit capacity:
- 11 amps (100–127 volts)
- 5 amps (200–240 volts)

Dimensions (H x W x D)
HP LaserJet 5000: 375 x 475 x 585 mm (12.8 x 18.7 x 23 in)
HP LaserJet 5000 N and 5000 GN: 515 x 475 x 625 mm (20.3 x 18.7 x 24.6 in)

Weight
HP LaserJet 5000: 23 kg (50 lb)
HP LaserJet 5000 N and 5000 GN: 34 kg (75 lb)

Product Certifications
UL and cUL listed to UL 1950/CSA 950; complies with IEC 950/EN 60950: meets Class B limits for FCC Part 15 and CISPR 22; product CDRH-certified Class 1 Laser Product (safe for office/EDP use)

Duty Cycle
Up to 65,000 pages per month

Warranty
One-year HP warranty

*Throughput is application- and system-dependent. Optimal performance achieved with the most current software application drivers, recommended memory and I/O configurations.

Specifications.

Speed and Throughput
- 16-page-per-minute rated engine speed for letter documents
- 100-MHz RISC processor
- First page out in 13 seconds*
- HP Transmit Once for reduced network traffic
- RIP Once for multiple copies at engine speed (with RAM disk)

Resolution
- HP FastRes 1200 (1200-dpi quality) at engine speed (PCL6)
- HP ProRes 1200 (true 1200 dpi) at half engine speed (PCL6 & PostScript)
- 600 dpi
- 300 dpi
- Resolution Enhancement technology (REt)
- Optimized halftoning with up to 220 levels of gray
- Prints up to 1/5-inch from edge of page (full-bleed printing on oversized paper by trimming)
- Standard 10,000-page HP UltraPrecise toner cartridge

Font Capabilities
- 110 scaleable TrueType® fonts (80 built-in, 30 via HP FontSmart; all PostScript and HP PCL-accessible)
- PostScript Level 2 emulation
- HP FontSmart software provides easy-to-use font management capabilities
- Intellifont and TrueType rasterizers built in

IPX/SPX
- Novell NetWare v3.11, 3.12, 4.0, 4.1
- Novell NDS and NDPS
- Microsoft Windows 95 Networking
- Microsoft Windows NT 3.5, 3.51, 4.0
- Novell IntranetWare

DLC/LLC
- IBM OS/2 Warp
- IBM LAN Server v1.3, 2.0, 3.0, 4.0
  - Microsoft Windows NT v3.5, 3.51, 4.0
  - Microsoft LAN Manager v2.0c, 2.1, 2.2
  - Microsoft Windows for Workgroups v3.1, 3.11
  - Artisoft LANtastic† v7.0

TCP/IP
  - HP-UX v9.x, 10.x
  - SunOS v4.1.3, 4.1.4
  - Solaris v2.3, 2.4, 2.5.x
- IBM AIX v3.2.5 and later
- SCO UNIX® V/386† v3.2, 4.2, 5.0
- Microsoft Windows NT v.3.5, 3.51, 4.0
- lpd
- MPE-iX† 5.5

(Left margin labels: Windows 95, Windows for Workgroups; NetWare; Windows NT; OS/2 Warp; LAN Manager; UNIX; Macintosh)

EtherTalk
- AppleTalk (System 7) (Ethernet cards only)
- Apple LocalTalk (HP J3111A only, System 7)

† Software is provided directly by the operating system vendor.

Memory

HP LaserJet 5000 printer:
- 4 Mbytes standard RAM with Memory Enhancement technology (MEt)
- Three open 100-pin DIMM slots for memory expansion up to 100 Mbytes

HP LaserJet 5000 N printer:
- 8 Mbytes standard RAM with Memory Enhancement technology (MEt)
- Two open 100-pin DIMM slots for memory expansion up to 100 Mbytes

HP LaserJet 5000 GN printer:
- 12 Mbytes standard RAM with Memory Enhancement technology (MEt)
- Two open 100-pin DIMM slots for memory expansion up to 100 Mbytes
- >1 Gbyte EIO disk drive

All HP LaserJet 5000 Series printers:
- Optional 2- and 4-Mbyte flash memory DIMMs for storage of fonts, forms and signatures
- Optional EIO hard disk for mopying (multiple original prints) and storage of fonts, forms and signatures

Printer Management
- Enhanced HP JetAdmin printer management software provides easy printer setup, use and management
- HP Web JetAdmin printer management software available from HP's web site (www.hp.com/go/webjetadmin) for simple installation and management from a common web browser
- Enhanced driver support of standard printer features for Microsoft® Windows® NT workstation 3.51/4.x, Windows® 95, Windows® 3.x, Macintosh, IBM OS/2 Warp and MS-DOS®
- Internet Installer can automatically update any of the printer drivers in Windows 95 and Windows NT 3.51/4.x environments
- All printer software and driver utilities ship on one CD-ROM
- ToolBox utilities for Novell and Microsoft Windows NT
- AutoCAD v. 12-, 13-, 14-compatible driver
- SNMP- and industry-standard printer MIB compliant for network management compatibility

Connectivity

HP LaserJet 5000 printer:
- Bidirectional IEEE 1284-compliant parallel interface
- RS-232 serial (9-pin) interface
- Two open EIO expansion slots for optional HP JetDirect 600N print servers and other accessories

HP LaserJet 5000 N printer:
- HP JetDirect 600N print server for Ethernet 10BaseT, 10Base2, and LocalTalk networks
- Bidirectional IEEE 1284-compliant parallel interface
- RS-232 serial (9-pin) interface
- One open EIO slot for optional accessories

HP LaserJet 5000 GN printer:
- HP JetDirect 600N print server for Ethernet 10BaseT, 10Base2, and LocalTalk networks
- Bidirectional IEEE 1284-compliant parallel interface
- RS-232 serial (9-pin) interface

All HP LaserJet 5000 Series printers:
- HP JetSend-enabled. HP has developed device-to-device communication technology that enables communication between printers, scanners, and a broad range of other information appliances.
- Automatic switching between languages and ports
- HP JetAdmin software supports the following network environments: Microsoft Windows NT, Microsoft Windows 95, IBM OS/2 Warp, Novell NetWare and UNIX (HP-UX and Solaris)
- HP Web JetAdmin supports the following network server environments: Microsoft Windows NT, IBM OS/2 Warp, HP-UX and Solaris
- Optional HP JetDirect 600N Internal Print Servers

Ordering information.

Number	Description
Printers	
C4110A	HP LaserJet 5000 11 x 17 inch general office printer
C4111A	HP LaserJet 5000 N 11 x 17 inch network-ready office printer
C4112A	HP LaserJet 5000 GN 11 x 17 inch network-ready graphics printer
Supplies and Accessories	
C4129X	Single-unit UltraPrecise toner cartridge (10,000-page cartridge)
C2985A	> 1 Gbyte EIO disk drive
C4113A	Duplex printing accessory
C4114A	250-sheet paper feeder
C4115A	500-sheet paper feeder
C4116A	250-sheet paper input tray
C4117A	500-sheet paper input tray
C4130X	Pallet-quantity toner cartridge
H5479A	HP SupportPack for hardware services; 3-year next-day onsite support
HP JetDirect 600N EIO Internal Print Servers	
J3110A	For Ethernet 10BaseT networks
J3111A	For Ethernet 10BaseT/10Base2 and LocalTalk networks
J3112A	For Token Ring networks
J3113A	For 10/100BaseTX networks
Interface and Cables	
C2951A	Parallel (25-pin male to 36-pin male) 3 m/10 ft cable for HP Vectra, IBM PC/AT and compatibles
C2932A	Serial (9-pin female to 9-pin male) 3 m/10 ft cable for HP Vectra
C2933A	Serial (9-pin female to 9-pin male) 3 m/10 ft cable for IBM PC/AT and compatibles
C2809A	Serial (25-pin female to 9-pin male) cable adapter
92215S	Macintosh serial cable
92215N	Macintosh network
Memory	
C4286A	2-Mbyte Flash DIMM
C4287A	4-Mbyte Flash DIMM
C4135A	4-Mbyte EDO DIMM
C4136A	8-Mbyte EDO DIMM
C4137A	16-Mbyte EDO DIMM
C4140A	4-Mbyte SDRAM DIMM
C4141A	8-Mbyte SDRAM DIMM
C4142A	16-Mbyte SDRAM DIMM
C4143A	32-Mbyte SDRAM DIMM

For more information, printer drivers and network printer management software, visit our HP LaserJet 5000 Series printer web site at www.solutionjet.hp.com/lj5000

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Information about HP products, plus software and driver distribution, is available through Hewlett-Packard's home page on the World Wide Web: **www.hp.com**

Hewlett-Packard peripherals, personal computers, supplies and accessories are available at authorized HP resellers worldwide. Call for the authorized HP reseller nearest you:

United States: (800) LASERJET (527-3753)
Canada: (800) 387-3867
Asia Pacific: (852) 2599 7777
Australia/New Zealand: (61-3) 9272 2895
Europe/Africa/Middle East: (41) 22 780 8111
Japan: (03) 3331 6111
Latin America: (305) 267-4220 (Miami)
(525) 326-4044 (Mexico City)

If you have questions about HP LaserJet 5000 Series printers, there are a number of places you can turn to for answers:
- The HP Customer Support Center for fast assistance by telephone: (208) 323-2551*.
- HP Automated Support Access Program (HP ASAP) provides answers and fax support for hardware and software information 24 hours a day: (800) 333-1917*.
- HP Driver and Software Distribution for optional software solutions and printer drivers for most popular applications: (970) 339-7009*.
- The HP Peripherals Forum on CompuServe ("GO HPPER") provides software and driver distribution, and puts you in contact with other HP printer users who may be able to give online responses to technical questions.
- AppleLink's HP folder provides online product information and drivers.

*These services are based in the United States. Outside the U.S., call your HP regional office for information on country-specific support.

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As an Energy Star partner, Hewlett-Packard has determined that these products meet the Energy Star guidelines for energy efficiency.

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