

HP LaserJet IIP printer



Technical Data

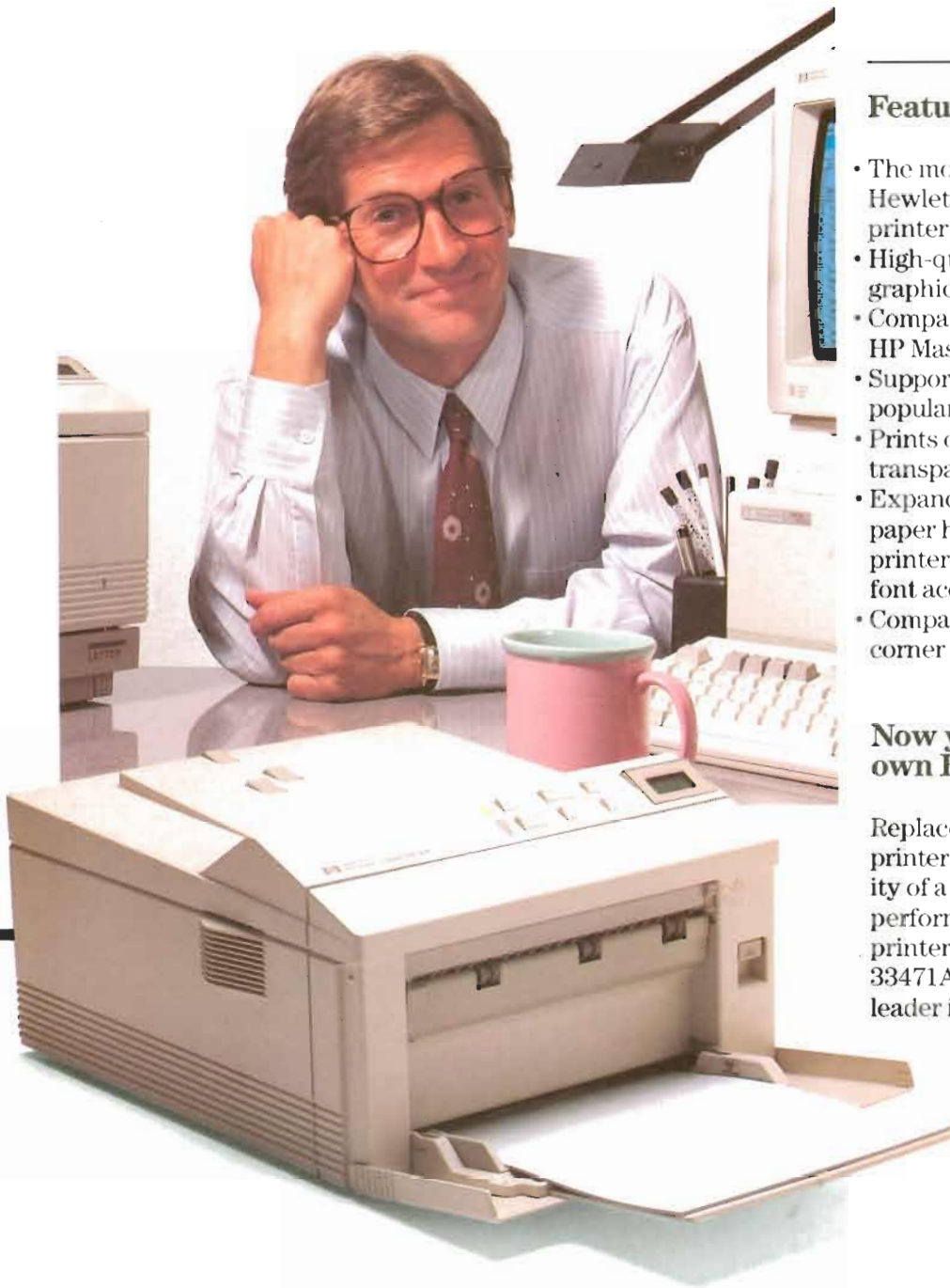
Your own personal HP LaserJet printer.

Features

- The most affordably priced Hewlett-Packard LaserJet printer
- High-quality, 300-dpi text and graphics
- Compatible with the HP MasterType Library
- Supported by virtually all popular PC software packages
- Prints on cutsheet paper, labels, transparencies and envelopes
- Expandable functionality, with paper handling, memory, printer language and font accessories
- Compact enough to fit on a corner of your desk

Now you can have your own HP LaserJet printer

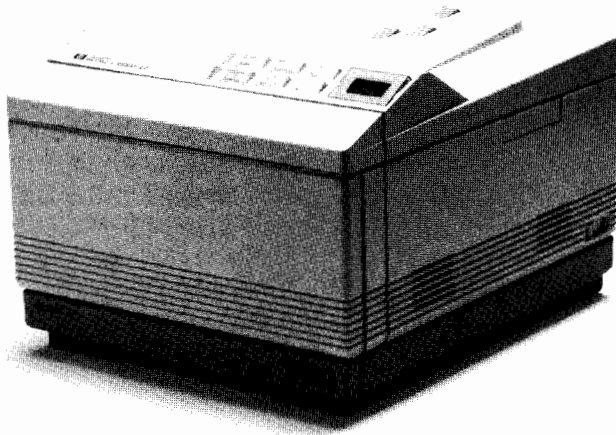
Replace slow, noisy dot matrix printers with the speed and quality of a quiet laser printer. The performance you get for your printer dollar makes the HP 33471A LaserJet IIP printer the leader in personal laser printing.



Your personal printing center

Say goodbye to long waits at the printer. Put your own paper, envelopes, labels or transparencies in your HP LaserJet IIP printer and print up to four pages per minute within an arm's reach of your PC.

Like the HP LaserJet Series II printer, the HP LaserJet IIP printer offers you high-quality, reliable laser printing from any IBM-compatible PC. The HP LaserJet IIP printer, with its optional lower paper cassette, gives you the versatility of two



input bins, letting you print letterhead from one tray and plain paper from the other. Or print letters and their envelopes, without touching your printer.

Personal, but powerful

The HP LaserJet IIP printer is designed to be affordable and stay that way. Its modular design allows you to add what you need, when you need it. Expand the memory. Add new fonts. Add a second paper tray. Or access other printer languages.

For larger print jobs and fewer paper refills, the optional lower

paper cassette increases your input capacity to 300 sheets, and gives you full dual-bin functionality. Print on transparencies, labels and four sizes of paper and envelopes.

Express yourself

Your decisions about emphasizing certain words or ideas shouldn't depend on the limitations of your printer. For that reason, the HP LaserJet IIP printer includes 14 internal fonts and the ability to print lines and shading for extra emphasis.

You get **bold**, medium and *italic* in different font sizes. The printer also uses line printer fonts for data-intensive documents and footnotes. Automatically rotate all your fonts and graphics from portrait (vertical) to landscape (horizontal) orientation.

A library of fonts for every need

The HP MasterType Library offers font cartridges, scalable disk-based typefaces and bit-mapped soft fonts for use with your LaserJet IIP printer. Add impact with the look of typesetting to everything you do.

Size your type up or down

Another versatile option is the Type Director font management software program. Mouse-based and menu-driven, it lets you quickly and easily scale typefaces up and down from bold, dramatic headlines to small, subtle footnotes.

Graphics power at a fraction of the cost

Your HP LaserJet IIP printer can help you present ideas powerfully and dramatically with pictures. You can add charts, diagrams, drawings, logos and, teamed with an HP ScanJet Plus scanner, even add photographs to your documents. Merge text and graphics for a sophisticated, professional look in newsletters, forms, proposals and presentations.

Planning to work with large-sized fonts or full-page, 300-dpi graphics? Handle the increased memory requirement with optional memory boards. Add up to four megabytes of memory in either or both of two memory slots to support the most demanding desktop publishing applications.

We speak your language

With the optional Epson FX/IBM Proprinter emulation cartridge, you can protect your software investments by having your HP LaserJet IIP printer emulate your old dot matrix printer. Access to Adobe® PostScript® is available through the optional PostScript personality cartridge (available early in 1990).

The HP support you expect

Quality, reliability and support have made HP LaserJet printers the most popular laser printers in the world.

This support includes:

- HP's Personal Peripherals Assist Line for immediate help
- A full-year warranty
- A selection of sensibly priced service contracts
- Software application notes and complete user manuals

Specifications

Printing Process

Dry-type laser electrophotography.

Printing Speed

First sheet less than 40 seconds after receipt of data. Subsequent sheets at as many as 4 sheets per minute. Job throughput is application and system dependent.

Warm-up Time

Less than 60 seconds from cold turn on.

Text and graphics

Resolution

Text: 300x300 dpi

Graphics: 75, 100, 150 or 300 dpi

Memory requirements for graphics printing

Graphics to print	Graphics Resolution (dpi)			
	300 dpi	150 dpi	100 dpi	75 dpi
0.5 pg	512 Kb	512 Kb	512 Kb	512 Kb
1.0 pg	1.5 Mb	512 Kb	512 Kb	512 Kb

NOTE: This table assumes that printer memory is not partially used for downloaded fonts or forms during graphics printing.

The HP LaserJet IIP printer has two memory slots for any combination of 1 Mb or 2 Mb memory boards for a maximum of 4.5 Mb of total memory.

Printing Format

Portrait (printing across the width of the page) or landscape (printing across the length of the page) orientations selectable from front control panel or via supporting software.

Internal fonts

Typeface	Treatment	Pitch	Point	Orientation*
Courier	Medium	10	12	Portrait and landscape
Courier	Bold	10	12	Portrait and landscape
<i>Courier</i>	Italic	10	12	Portrait and landscape
Courier	Medium	12	10	Portrait and landscape
Courier	Bold	12	10	Portrait and landscape
<i>Courier</i>	Italic	12	10	Portrait and landscape
Line Printer	Medium	16.66	8.5	Portrait and landscape

*The LaserJet IIP printer automatically rotates fonts to the desired orientation.

Font capability

The HP LaserJet IIP printer has one open slot that can be used with any of a wide variety of HP LaserJet font cartridges. The maximum number of downloadable fonts and fonts per page is limited only by available printer memory.

Internal symbol sets

The 24 internal symbol sets include Roman-8, PC-8, PC-8 DN, PC-850, ECMA-94 and 19 ISO variations for foreign language printing.

*ISO denotes International Standards Organization symbol sets, primarily for use in Europe or for printing non-English characters.



Paper

Paper type Single-sheet copier paper

NOTE: The printer is designed for use with copier paper of high-quality construction. To obtain the clearest, sharpest images, paper manufactured for photocopiers such as Canon NP, Xerox 4024, Gilbert or NuTech should be used. Most cotton bond paper also works well on the HP LaserJet IIP printer.

The printer can also accommodate a variety of special-application papers and overhead transparency film designed for laser printers. It is strongly recommended that all media be tested before purchasing. Consult your HP dealer for additional information.

Best results will be obtained if paper is stored and used within listed ranges.

Temperature: 17° to 23°C
(63° to 73°F)

Relative Humidity: 40 to 50%

Paper weight

60 to 102 g/m² (16 to 28 lb)

Paper size

Letter (8.5x11 in.)

Legal (8.5x14 in.)

A4 ([European] 210x297 mm)

Executive (7.25 in. x 10.5 in.)

Paper handling

The HP LaserJet IIP printer comes standard with a Multi-Purpose (MP) tray which automatically feeds up to 50 sheets of letter, legal, A4 or executive paper or up to five Com-10, Monarch, DL and C5 envelopes.

The HP LaserJet IIP printer also has an optional Lower Cassette (LC) which increases the paper capacity to a total of 300 sheets and gives you full dual-bin

printer functionality. You can use letterhead in the MP tray and plain paper in the LC, or you can close the MP tray and use only the optional LC for a smaller footprint and even quieter printing.

The LC ships with a letter or A4 paper tray. In addition, there are four optional paper trays, each holding 250 sheets of paper in one of the following formats: Letter, Legal, A4, Executive.

The LC also supports an Envelope Tray which accepts up to 20 envelopes in any of the following sizes:

Commercial #10: 4½ x 9½

Monarch: 3¾ x 7½

DL: 110 x 220 mm

C5: 162 x 229 mm

With the envelope tray, you can print a letter from the MP tray and automatically address and print an envelope from the LC.

Number of sheets per output tray

Face-down (correct order)

output: 50 sheets

Face-up (inverse order)

output: 20 sheets

Envelopes

Envelope weight

Envelope tray accessory for the Lower Cassette (LC), and manual feed: 60 to 90 g/m² (16 to 24 lb)

NOTE: For additional specifications on envelopes for laser printing, consult the HP LaserJet IIP Users Manual. It is strongly recommended that all media be tested before purchase.

Printable surface for paper (portrait)

Width	Letter	Legal	A4	Executive
inches	8.0	8.0	7.8	6.75
mm	203	203	198	171
Length				
inches	10.6	13.6	11.3	10.1
mm	269	345	287	257

Envelope handling

	MP Tray	Envelope Tray	Manual feed
Capacity	Up to 5	Up to 20	One at a time

Printable surface for envelopes (landscape)

Width	Commercial #10	Monarch	DL	C5
inches	9.10	7.10	8.27	8.62
mm	231	180	210	219
Length				
inches	3.72	3.47	3.86	5.91
mm	94	88	98	150

Feature matrix

Feature	LaserJet IIP printer	LaserJet Series II printer	LaserJet IID printer
Print speed	Up to 4 pages per minute	Up to 8 pages per minute	Up to 8 pages per minute
Text and graphics resolution	300 dpi	300 dpi	300 dpi
Memory			
Standard	512 Kb	512 Kb	640 Kb
Optional	1, 2 Mb (up to 4 Mb)	1, 2, 4 Mb	1, 2, 4 Mb
Number of input trays	2 with optional lower cassette	1	3 with optional power envelope feeder
Number of sheets per input tray			
Standard	50 sheets or 5 envelopes in Multi-Purpose (MP) tray	200 sheets or 15 envelopes, using optional envelope tray	400 sheets using both trays, or 200 sheets and 15 envelopes using optional envelope tray
Optional	250 sheets or 20 envelopes with Lower Cassette (LC) and envelope tray		50 envelopes, using optional power envelope feeder
Internal fonts ¹	14	6	24
Internal symbol sets	24	23	25
Font cartridge slots	1	2	2
Number of downloaded fonts or macros	Limited only by memory	32 in memory	Limited only by memory
Number of fonts per page allowed	Limited only by memory	16	Limited only by memory
Standard interfaces	Serial or parallel	Serial or parallel	Serial or parallel
Video interface	No	Yes	No
Extended I/O slot	No	Yes	Yes
Printer language support	HP PCL [®] standard Epson FX, IBM Proprinter, and Adobe PostScript* optional	HP PCL standard Epson FX, IBM Proprinter, and Adobe PostScript optional	HP PCL standard Epson FX, IBM Proprinter, and Adobe PostScript optional
Duplex printing	No	No	Yes
Envelope printing	Yes	Yes	Yes

¹(Available early in 1990)

Ordering Information

Product Number	Description	Product Number	Description
33471A	LaserJet IIP printer	92275C	Legal paper tray
92275A	EP-L toner cartridge	92275D	A4 paper tray
33472A	Optional lower cassette (letter size paper tray)	92275E	Executive paper tray
33472AB	Optional lower cassette (A4-size paper tray)	92275F	Envelope paper tray
92275B	Letter size paper tray	33474A	1 Mb. memory board
		33475A	2 Mb. memory board

General

Control panel

Buttons: ON LINE/reset, MENU/print fonts, ENTER/test, FORM FEED/continue, alt, +/-

Indicators: 16-segment display indicator, on-line LED, Form Feed LED

Interfaces

Centronics parallel and RS-232-C/RS-422-A serial (300 to 19,200 baud)

Buffer size

512 Kbytes standard memory (395 Kbytes of user-accessible memory at power-up.)

Cost per page

Approximately \$0.03

Environmental ranges

Acoustics (Declared noise emissions in accordance with ISO 9296):

Printing: Maximum sound power level— 6.0 bels
Maximum sound pressure level— 47 decibels

Power requirements

Source:
100 to 115 volts (+/-10%) or 220 to 240 volts (+/-10%). (The printer's voltage range depends upon the country in which the printer is purchased.)

Frequency: 50 or 60 Hz

Consumption:	At 115 VAC	At 220 VAC
Print	550W	500W
Standby	90W	90W

Physical specifications

Options	Body	Body and MP tray	Body and LC tray
Width	350 mm (13.8 in)	350 mm (13.8)	350 mm (13.8 in)
Depth	405 mm (16.0 in)	633 mm (24.9)	405 mm (16.0 in)
Height	204 mm (8.0 in)	204 mm (8.0)	258 mm (10.2 in)
Weight	10.0 kg (22.0 lbs)	10.0 kg (22.0 lbs)	11.4 kg (25.1 lbs)

Product certifications

No. 220 UL 478 listed; CSA 22.2 certified; complies with IEC 950; FCC level B, FTZ 1046 level B and IEC 825 Class 1 Laser Product. BRH certified Class 1 Laser Product (safe for office/EDP use).

Estimated typical usage

Up to 2500 pages per month.

NOTE: Estimated typical usage is offered as the recommended monthly volume. It is given as a guideline for selecting the correct printer model. The usage limit of the HP LaserJet IIP printer is up to 6,000 pages per month.

United States:

For the name of the dealer nearest you, call toll-free: 1-800-752-0900, or an HP regional office listed below:

Hewlett-Packard Company
4 Choke Cherry Road
Rockville, MD 20850
(301) 670-4300

Hewlett-Packard Company
5201 Tollview Drive
Rolling Meadows, IL 60008
(312) 255-9800

Hewlett-Packard Company
5161 Lankershim Blvd.
No. Hollywood, CA 91601
(818) 505-5600

Hewlett-Packard Company
2000 South Park Place
Atlanta, GA 30339
(404) 955-1500

Canada:

Hewlett-Packard Ltd.
6877 Goreway Drive
Mississauga, Ontario L4V1M8
(416) 678-9430

Or write to:

United States:

Hewlett-Packard Company
P.O. Box 10301
Palo Alto, CA 94303-0890

Europe/Africa/Middle East:

Hewlett-Packard Company
Central Mailing Department
P.O. Box 529
1180 AM Amstelveen
The Netherlands

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