

HP Designjet 500 Printer series

Affordable, large-format color printing for technical and business customers who need illustrations, schematics, drawings and plans.



High-quality lines and images

- **Professional-quality output.** Four-color, 1200 dpi writing system with pigmented black delivers excellent line quality plus high-quality imaging.
- **HP color layering technology.** The writing system combines multiple ink drops on a single dot to create smooth color transitions, so you get quality results for images, renderings and illustrations.
- **Media choices for every task.** A broad portfolio of basic and premium printing materials supports a wide array of technical and presentation applications.

Fast, reliable performance

- **Quick turnaround for tight deadlines.** Line drawings print in as little as 90 seconds so you can view your work and present or make changes in real time. Roll feed with automatic cutter loads and feeds easily.
- **Smart ink supplies.** Separate ink cartridges plus self-monitoring printheads result in reliable performance and limited user interaction.
- **HP quality and reliability.** These printers deliver solid performance, day in and day out, and they're backed by support and service from the worldwide leader in large-format printing.

Options for all environments

- **Easy system integration.** Windows, Macintosh, and AutoCAD drivers ensure you have the compatibility you need. Standard interfaces and optional network capability make adding these printers to your system fast and simple.
- **Solo or shared.** HP Designjet 500 personal printers offer solid performance for single users or small groups—all files process in your computer before transmission. Add the optional HP-GL/2 card, and you get on-board processing and HP-GL/2 language support for legacy files or systems with custom HP-GL/2 drivers.
- **Multiple sizes.** HP Designjet 500 printers come in both 24-inch and 42-inch widths; the 24-inch models can be used for tabletop output or with optional stand and bin.
- **RIP for managing color.** Choose the EFI HP Designer Edition for HP RIP when you need sophisticated color management. You'll get tools that help you get the color you need: offset press emulation and ICC profiles for Windows and Macintosh.

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Technical specifications

Print speed	
Line drawings	Fast: 90 seconds Normal: 36 ft ² /hr Best: 21 ft ² /hr
Color images	85 ft ² /hr (Fast mode)
Print resolution maximum	1200 x 600 dpi
Memory (standard/maximum)	16 MB/160 MB (w/ HP-GL/2 accessory card)
Media	
Handling	Sheet feed, roll feed, automatic cutter
Types	Paper (plain, coated, natural tracing, photo, glossy, brochure, heavyweight), transparencies, vellum, translucent bond
Size, sheet (width/length)	24-inch models: 8.3 in. to 24 in./up to 74.7 in. 42-inch models: 8.3 in. to 42 in./up to 74.7 in.
Size, roll (width/length)	24-inch models: 24 in./up to 150 ft 42-inch models: 24, 36, 42 in./up to 150 ft
Printing	
Margins	Lateral: 5 mm; Leading and trailing edge: 17 mm
Ink cartridge colors	Black, cyan, magenta, yellow
Ink types	Pigment-based (black), dye-based (cyan, magenta, yellow)
Connectivity	
Interfaces (standard)	Centronics Parallel (IEEE 1284-compliant - ECP), USB 2.0 compliant
Print languages	HP-PCL3-GUI (Optional: HP-GL/2, HP RTL)
Drivers	Microsoft® Windows® 95, NT 4.0, 2000, XP, 2003 Server; ADI driver for AutoCAD 13 and 14; Optimized Windows driver for AutoCAD 2000–2005; Raster driver for Mac (OS 9.x, OS X)
Environmental ranges	
Operating temperature	59 to 95° F (15 to 35° C)
Storage temperature	-40 to 158° F (-40 to 70° C)
Operating humidity	20 to 80% RH
Acoustics	
Sound pressure	52 dB(A)
Sound power	65 dB(A)
Power consumption	
Maximum	150 watts
Power requirements	Input voltage: 100 to 240 VAC (+/- 10%) auto-ranging, 50/60 Hz, 3 amps maximum
Certification	
Safety	Compliant with the requirements for ITE products—EU: Low Voltage Directive; USA and Canada: CSA Certified for US and Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB and CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC
Electromagnetic	Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables)—EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCIB, Japan VCCI. Class A for Korea MIC, Taiwan BSMI
Environmental	ENERGY STAR® qualified models; see: http://www.hp.com/go/energystar
Warranty	One-year warranty
Care Pack Services	
Standard	HP 1-Year Next Business Day Onsite Service
H4518E	HP Installation with Network Configuration Service
H5652E	HP 3-Year Next Business Day Response
H3642E	HP 4-Year Next Business Day Response
H3643E	HP 5-Year Next Business Day Response

System requirements

Macintosh

Minimum system configuration: iMac G3, G4, G5 dual processor, iBook, PowerBook, eMac; Mac OS 9.1, OS X v 10.1.5; 128 MB RAM, 256 MB available hard disk space

Recommended system configuration: 1 GHz PowerPC G4; Mac OS 9 v 9.2, Mac OS X v 10.1.5, 10.2.2 and higher 10.3; 256 MB, 512 MB available hard disk space

Windows

Minimum system requirements: Microsoft Windows NT, Windows 2000: Pentium II, 300 MHz (or higher), 64 MB RAM, 400 MB available hard disk space; HP-GL/2 accessory card needed if software does not use the Windows driver

Recommended PC requirements: Microsoft Windows NT, Windows 2000, Windows XP: Pentium® II, 300 MHz (or higher), 64 MB RAM, 400 MB available hard disk space

Dimensions

Printer	24-inch models: 49 x 19 x 14 in. 42-inch models: 67 x 27 x 43 in.
Shipping	24-inch models: 61 x 25 x 28 in. 42-inch models: 78 x 26 x 38 in.

Weight

Printer	24-inch models: 85 lb 42-inch models: 99 lb
Shipping	24-inch models: 187 lb 42-inch models: 257 lb

What's in the box

HP Designjet 500 printer, printer stand and media bin (42 in. model only), roll-feed spindle, power cords, ink system, HP printing material sample, user documentation, user maintenance kit, software setup CD and drivers for Windows, Raster drivers for Mac

Ordering Information

Product number	HP product
C7769B	HP Designjet 500 24-inch Printer
C7770B	HP Designjet 500 42-inch Printer
Options and accessories	
C2387A	64 MB memory module (requires C7772A)
C2388A	128 MB memory module (requires C7772A)
C2389A	24-in. spindle
C2390A	42-in. spindle
C7781A	24-in. printer stand and media bin
C7772A	HP-GL/2 accessory card and 16 MB memory module (500 model)
Q6643D	EFI Designer Edition for HP XL (500 model)

Supplies

C4844A	HP 10 Black Ink Cartridge (69 ml)
C4911A	HP 82 Cyan Ink Cartridge (69 ml)
C4912A	HP 82 Magenta Ink Cartridge (69 ml)
C4913A	HP 82 Yellow Ink Cartridge (69 ml)
C4810A	HP 10 Black Printhead
C4811A	HP 11 Cyan Printhead
C4812A	HP 11 Magenta Printhead
C4813A	HP 11 Yellow Printhead

Networking

J7934G	HP Jetdirect (EIO) internal, 620n, Fast Ethernet Print Server, 10/100Base-TX, 802.3
J6058A	HP Jetdirect wireless, 680n, 802.11b

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