



hp designjet 500  
large-format printer



the professional choice  
for ultimate line  
and photo quality

The HP Designjet 500 printer is a professional printer at an exceptional price for architectural, engineering, construction and mechanical design. It delivers ultimate line and photo-quality with continuous tones, smooth transitions and a wide colour gamut.

#### Two Sizes:

The printer comes in two sizes, with a media path that is either 42 inches or 24 inches wide. Stand and media bin are optional on the 24-inch model.

#### ultimate line and photo-quality

- ultimate photo-quality is achieved using HP colour layering technology and up to 1200 dpi<sup>1</sup> resolution.
- ultimate line quality, with lines as thin as 0.002 in. and an accuracy of +/- 0.2%, is the result of miniscule drops, automatic alignment and continuous ink flow.
- many more colours are available per printed dot as the printer layers different colour ink drops over each other to create new colours.

#### low cost of operation

- exceptionally priced printer and incredibly low cost-per-copy of ink and media.

#### no hassle

- drivers are easy to install and intuitive to use, an ink-set change takes less than 1 minute, the control panel is simple to navigate, and media loading is smooth and straight-forward.

#### fast and efficient printing

- the ideal printer for small workgroups (1 to 3 people), with print times as short as 90 seconds<sup>2</sup> for D-size prints.

#### great media flexibility

- a wide choice of HP premium printing material is available, including HP Bright White Inkjet Paper, HP Translucent Bond Paper, HP Natural Tracing Paper, HP Vellum, HP Clear Film, HP Matte Film, HP Coated Paper, HP Heavyweight Coated Paper, HP High-Gloss Photo Paper and HP Studio Canvas.

#### unattended printing

- the printer can work unattended with its off-axis, 69-ml ink cartridges, long-life printheads, 150-ft media rolls, automatic cutting, and stacking of finished prints in the media bin (optional on the 24-inch model).

#### smooth connectivity

- Windows® drivers (including support of AutoCAD).
- 16MB of RAM, expandable up to 160MB (in combination with the HP-GL/2 accessory card).
- USB 1.1 and parallel ports, and an optional network card.
- optional HP-GL/2 accessory card.

#### consistent colours

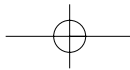
- consistent colours are achieved every time, regardless of printhead usage, ambient temperature, or ink levels, using automatic closed-loop-colour calibration.

#### hp warranty

- one-year warranty backed by HP Support Centres around the world. HP SupportPacks and service agreements allow you to extend your warranty for up to 5 years.

<sup>1</sup> 1200 dpi x 600 dpi

<sup>2</sup> Approximate mechanical printing speeds. All print times are on coated paper except line drawings which are on bond paper.



print technology	hp colour thermal inkjet		
print times <sup>2</sup>	mode: fast	normal	best
D-size line drawings	90 sec	3 min 15 sec	6 min
colour images	85 ft <sup>2</sup> /hr	36 ft <sup>2</sup> /hr	21 ft <sup>2</sup> /hr
maximum resolution	1200 dpi x 600 dpi		
media types	coated and glossy papers, technical media and more		
media handling	sheet feed, roll feed, automatic cutter		
media sizes	sheet	roll	
	42-inch model:	width: 8.3 in to 42 in length: 8.3 in to 74.7 in	width: 24, 36 and 42 in length: up to 150 ft
	24-inch model:	width: 8.3 in to 24 in length: 8.3 in to 74.7 in	width: 24 in length: up to 150 ft
minimum line width	0.002 in		
line accuracy	+/- 0.2 % or 0.38 mm whichever is greater at 23°C, 50-60% RH on HP Special Polyester Film		
margins	lateral margins: 5 mm leading and trailing edge: 17 mm		
memory	standard: 16MB maximum: 160MB (in combination with the HP-GL/2 accessory card)		
languages	standard: HP-PCL3-GUI optional: HP-GL/2, HP RTL		
drivers	Windows applications (including AutoCAD): Windows (95, 98, NT 4.0 and 2000) AutoCAD (2000 and R 13,14)		
interfaces	standard: centronics parallel, IEEE-1284-compliant (ECP), USB 1.1 (Windows 98 & 2000) optional: HP Jetdirect internal print servers (see accessories - network cards)		
auto interface switching	yes		
minimum system requirements <sup>3</sup>	Microsoft Windows 9X: Pentium I-133Mhz or better, 48MB, 300MB free in hard disk; Microsoft Windows NT and 2000: Pentium II-300 Mhz or better, 64MB, 400MB free in hard disk		
warranty	one-year warranty backed by HP Support Centres around the world. HP SupportPacks and service agreements allow you to extend your warranty for up to 5 years		
dimensions	42-inch models:	24-inch models:	
width x depth x height	67 in x 27 in x 43 in	49 in x 19 in x 14 in	
weight	99 lb	85 lb	
environmental ranges	operating temperature: 59°F to 95°F storage temperature: -40°F to 140°F relative humidity: 20% to 80% RH		
power requirements	100-240 V AC ±10% auto-ranging; 50-60 Hz, 3 amps max consumption: 150 watts maximum		
acoustic emissions <sup>4</sup>	pressure; printing: 52 dB (A) power: 65 dB (A)		
regulatory compliance	<p><b>safety:</b> compliant with the requirements for ITE products; EU: low voltage directive; USA &amp; Canada: CSA certified for US &amp; Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB &amp; CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC</p> <p>electromagnetic compatibility: 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</p> <p>environmental compliance: USA EPA ENERGY STAR compliant</p>		



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<http://www.hp.com/go/designjet>

<sup>3</sup> Per ISO 7779. Typical emissions at 1-meter bystander position for pressure

<sup>4</sup> It is recommended to buy the HP-GL/2 Accessory Card whenever you network this unit

<sup>5</sup> The HP-GL/2 Accessory card is required if software does not use the Windows driver to print

## Ordering information - HP part numbers

standard unit	42-inch	24-inch
• hp designjet 500	C7707B	C7769B
box contents		42-in 24-in
• hp designjet printer		•
• printer stand		•
• media bin		•
• spindle		•
• power cord		•
• ink cartridges		•
• printheads		•
• drivers for Windows (including AutoCAD)		•
• user documentation		•

Interface Cables must be ordered separately

### accessories

- memory modules (used in combination with the HP-GL/2 accessory card); 64MB: C2387A, 128MB: C2388A
- hp spindle; 42-inch: C2390A; 24-inch: C2389A
- printer stand and media bin (D size): C7782A
- HP-GL/2 accessory card: (16MB included): C7772A
- network cards <sup>4</sup>:  
hp jetdirect EIO 10/100Base-TX: J4169A;  
hp jetdirect EIO 10Base-T: J3110A;  
hp jetdirect 10Base2, 10-T, Local Talk: J3111A;  
hp jetdirect Token Ring: J3112A
- USB 5-m cable: C2392A

### supplies

number	product description
C4844A	hp no. 10 black ink cartridge, 69 ml
C4911A	hp no. 82 cyan ink cartridge, 69 ml
C4912A	hp no. 82 magenta ink cartridge, 69 ml
C4913A	hp no. 82 yellow ink cartridge, 69 ml
C4810A	hp no. 11 black printhead
C4811A	hp no. 11 cyan printhead
C4812A	hp no. 11 magenta printhead
C4913A	hp no. 11 yellow printhead

### hp printing material

For a complete list of printing material and selection numbers, please refer to the HP website at [www.hp.com/go/designjet](http://www.hp.com/go/designjet) and select "printing material"

For more information, call your local HP sales office or your nearest HP authorised dealer:

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