



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 107 cm or 61 cm wide. Stand and media bin are optional on the 61 cm 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 0.04 mm and an accuracy of +/- 0.2%, is the result of minuscule 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 for A1-size prints.

#### Great media flexibility

- A wide choice of HP Premium Printing Material is available, including HP Bright White Inkjet Paper, HP Translucent Bond, HP Natural Tracing Paper, HP Vellum, HP Clear Film, HP Matte Film, HP Coated Paper, HP Heavyweight Coated Paper, HP High-Gloss Photo Paper, HP Satin Poster Paper and HP Studio Canvas.

#### Unattended printing

- The printer can work unattended with its modular, 69 cc ink cartridges, long-life printheads, 45.7 m media rolls, automatic cutting, and stacking of finished prints in the media bin (optional on the 61 cm model).

#### Smooth connectivity

- Windows® drivers (including support of AutoCAD).
- 16 MB of RAM, expandable up to 160 MB (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 with free, on-site, next business-day service, backed by HP support centres around the world. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years.

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

## Technical Specifications

<b>Print technology</b>	• HP Colour Thermal Inkjet		
<b>Print times<sup>2</sup></b>	Mode: Fast	Normal	Best
A1-size line drawings:	• 90 seconds		
Colour images:	• 7.9 m <sup>2</sup> /hr	• 3.3 m <sup>2</sup> /h	• 2 m <sup>2</sup> /hr
<b>Maximum resolution</b>	• 1200 dpi x 600 dpi		
<b>Media types</b>	• Coated and glossy papers, technical media and more		
<b>Media handling</b>	• Sheet feed, roll feed, automatic cutter		
<b>Media sizes</b>	Sheet	Roll	
107 cm model:	• width: 210 to 1067 mm • length: 210 to 1897 mm	• width: 610, 914 and 1067 mm • length: up to 45.7 m	
61 cm model:	• width: 210 to 610 mm • length: 210 to 1897 mm	• width: 610 mm • length: up to 45.7 m	
<b>Minimum line width</b>	• 0.0423 mm		
<b>Line accuracy</b>	• +/- 0.2 % or 0.38 mm whichever is greater at 23°C, 50-60% RH on HP Special Polyester Film		
<b>Margins</b>			
Lateral margins:	• 5 mm		
Leading and trailing edge:	• 17 mm		
<b>Memory</b>			
Standard:	• 16 MB		
Maximum:	• 160 MB (in combination with the HP-GL/2 accessory card)		
<b>Languages</b>			
Standard:	• HP-PCL3-GUI		
Optional:	• HP-GL/2, HP RTL		
<b>Drivers</b>			
Windows applications (including AutoCAD):	• Windows (95, 98, NT® 4.0 and 2000) AutoCAD (2000 and R 13,14)		
<b>Interfaces</b>			
Standard:	• Centronics parallel, IEEE-1284-compliant (ECP) • USB 1.1 (Windows 98 & 2000)		
Optional:	• HP JetDirect internal print servers (see Accessories – Network Cards)		
<b>Auto interface switching</b>	• Yes		
<b>Minimum system requirements<sup>5</sup></b>	• Microsoft Windows 9X: Pentium I-133MHz or better, 48 MB, 300 MB free on hard disk; Microsoft Windows NT and 2000: Pentium II-300 MHz or better, 64 MB, 400 MB free on hard disk.		
<b>Warranty</b>	• One year warranty with free, on-site, next business-day service, backed by HP support centers around the world. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years.		
<b>Dimensions</b>	107 cm model	61 cm model	
Width x Depth x Height	• 1690 x 674 x 1100 mm	• 1253 x 470 x 349 mm	
<b>Weight</b>	107 cm model	61 cm model	
	• 45 kg	• 38.5 kg	
<b>Environmental ranges</b>	Operating temperature	Storage temperature	Relative humidity
	• 15°C to 35°C	• -40°C to 60°C	• 20% to 80% RH
<b>Power</b>	Requirements	Consumption	
	• 100-240 V AC ±10% auto-ranging; 50-60 Hz, 3 amps max.	• 150 watts maximum	
<b>Acoustic emissions<sup>3</sup></b>	Pressure	Power	
	• Printing: 52 dB (A)	• 65 dB (A)	
<b>Regulatory compliance Information / Safety</b>	• Compliant with the requirements for ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for US & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB & CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC.		
<b>Electromagnetic compatibility</b>	• 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.		
<b>Environmental compliance</b>	• USA EPA ENERGY STAR compliant		

## Ordering Information – HP part numbers

<b>Standard unit</b>	107 cm	61 cm	
• HP DesignJet 500	C7770B	C7769B	
<b>Box contents</b>	107 cm	61 cm	
• 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			
<b>Accessories</b>			
• Memory Modules (used in combination with the HP-GL/2 Accessory Card); 64 MB: C2387A; 128 MB: C2388A			
• HP Spindle; 107 cm: C2390A; 61 cm: C2389A			
• Printer Stand and Media Bin (A1-size): C7782A			
• HP-GL/2 Accessory Card (16 MB included): C7772A			
• Network Cards <sup>4</sup> ;			
HP JetDirect EIO 10/100Base-TX: J4169A;			
HP JetDirect EIO 10Base-T: J3110A;			
HP JetDirect 10Base2, 10Base-T, LocalTalk: J3111A;			
HP JetDirect Token Ring: J3112A			
• USB 5 m cable: C2392A			
<b>Supplies</b>	Ink Cartridge	Ink Cartridge	Printhead
• HP no.10 Black	C4844A		
• HP no. 82 Cyan		C4911A	
Magenta		C4912A	
Yellow		C4913A	
• HP no.11 Black			C4810A
Cyan			C4811A
Magenta			C4812A
Yellow			C4813A
• HP Printing Material			
For a complete list of printing material and selection numbers, please refer to the HP web-site at <a href="http://www.hp.com/go/designjet">www.hp.com/go/designjet</a> and select "Printing Materials".			



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

<sup>2</sup> Approximate mechanical printing speeds.

<sup>3</sup> Per ISO 7779. Typical emissions at 1 metre 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.