



hp designjet 800  
large-format printer



The professional choice  
for ultimate line  
and photo quality.

The HP DesignJet 800 printer is the professional and robust printer for architectural, engineering, construction and mechanical design, and geographical information systems. It delivers ultimate line and photo quality with continuous tones, smooth transitions and a wide colour gamut. Complete with a “virtual computer” inside, the printer does all of the processing work and immediately frees up your own computer.

#### 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 2400 dpi<sup>1</sup> resolution.
- Ultimate line quality, with lines as thin as 0.04 mm and an accuracy of  $\pm 0.2\%$ , is achieved using minuscule drops 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.

#### “Virtual computer” inside

Your computer is immediately freed by a “virtual computer” inside the printer:

- Embedded HP-GL/2 processor, with drivers for AutoCAD® and Windows®.
- 6 GB hard disk and 96 MB of RAM, expandable up to 160 MB.
- Powerful network card: HP JetDirect 10/100Base-TX print server, as well as USB 1.1 and parallel ports.

#### Fast and efficient printing

- Robust printer for workgroups of 3 to 10 people, with print times as short as 60 seconds for A1-size prints.
- Supports queuing and nesting, and processes next jobs while printing.

#### 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.

#### 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.

#### 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).

#### Consistent colours

- Consistent colours are achieved every time, regardless of printhead usage, ambient temperature or ink levels, using 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, and can provide around-the-clock service with a response time of within 4 hours, every day of the year (depending on the country).

<sup>1</sup> 2400 dpi x 1200 dpi on glossy media.

## Technical Specifications

Print technology	• HP Colour Thermal Inkjet		
Print times <sup>2</sup>	Mode: Fast	Normal	Best
A1-size line drawings:	• 60 seconds		
Colour images:	• 7.9 m <sup>2</sup> /hr	• 3.3 m <sup>2</sup> /hr	• 2 m <sup>2</sup> /hr
Maximum resolution	• 2400 dpi x 1200 dpi on glossy media		
Media types	• Coated and glossy papers, technical media and more		
Media handling	• Sheet feed, roll feed, automatic cutter		
Media sizes	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	
Minimum line width	• 0.0423 mm		
Margins			
Lateral margins:	• 5 mm		
Leading and trailing edge:	• 17 mm		
Line accuracy	• ± 0.2 % or 0.38 mm whichever is greater at 23°C, 50-60% RH on HP Special Polyester Film		
Memory			
Standard:	• 96 MB RAM and 6 GB hard disk		
Maximum:	• 160 MB RAM and 6 GB hard disk		
Standard languages	• HP-GL/2, HP RTL, CALS G4 (TIFF and JPEG files from UNIX®, Linux® and Windows NT® via ZEHRAster Plus)		
Drivers			
Windows applications:	• Windows (95, 98, NT® 4.0 and 2000)		
AutoCAD:	• AutoCAD 2000 and Releases 13, 14 for Windows		
UNIX®:	• TIFF and JPEG files are accepted via ZEHRAster Plus software, supplied with the printer		
Interfaces			
Standard:	• Centronics parallel, IEEE-1284-compliant (ECP) • USB 1.1 (Windows 98 & 2000) • HP JetDirect Card for fast Ethernet 10/100Base-TX		
Optional:	• Other HP JetDirect internal print servers (see Accessories – Network Cards)		
Auto interface switching	• Yes		
Minimum system requirements	• Microsoft Windows 95 or 98; Microsoft Windows NT or 2000.		
Warranty	• 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, and can provide around-the-clock service with a response time of within 4 hours, every day of the year (depending on the country).		
Dimensions	107 cm model	61 cm model	
Width x Depth x Height	• 1690 x 674 x 1100 mm	• 1253 x 470 x 349 mm	
Weight	107 cm model	61 cm model	
	• 45 kg	• 38.5 kg	
Environmental ranges	Operating temperature	Storage temperature	Relative humidity
	• 15°C to 35°C	• -40°C to 60°C	• 20% to 80% RH
Power	Requirements	Consumption	
	• 100-240 V AC ±10% auto-ranging; 50-60 Hz, 3 amps max.	• 150 watts maximum	
Acoustic emissions <sup>3</sup>	• Pressure Printing: 52 dB (A)	• Power Printing: 65 dB (A)	
Regulatory compliance Information / Safety	• 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.		
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.		
Environmental compliance	• USA EPA ENERGY STAR compliant		

## Ordering Information – HP part numbers

<b>Standard unit</b>	107 cm	61 cm
• HP DesignJet 800	C7780B	C7779B
<b>Box contents</b>	107 cm	61 cm
• HP DesignJet printer	•	•
• Built-in HP JetDirect		
10/100Base-TX Network Card	•	•
• Printer Stand	•	
• Media Bin	•	
• Spindle	•	•
• Power Cord	•	•
• Ink Cartridges	•	•
• Printheads	•	•
• Roll of Media	•	•
• HP-GL/2 and AutoCAD Drivers		
for Windows	•	•
• ZEHRAster Plus for UNIX	•	•
• HP Install Network Wizard	•	•
• User Documentation	•	•
Interface Cables must be ordered separately		
<b>Accessories</b>		
• Memory Module; 128 MB: C2388A		
• HP Spindle; 107 cm: C2390A; 61 cm: C2389A		
• Printer Stand and Media Bin; 61 cm: C7781A		
• Network Cards;		
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	Printhead
• HP no.10 Ink Black	C4844A	
• HP no. 82 Ink Cyan	C4911A	
Magenta	C4912A	
Yellow	C4913A	
• HP no. 11 Ink 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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<sup>2</sup> Approximate mechanical printing speeds. All print times are on coated paper except line drawings which are on bond paper.

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