



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 color 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 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 color layering technology and up to 2400 dpi¹ resolution.
- Ultimate line quality, with lines as thin as 0.002 in. and an accuracy of $\pm 0.2\%$, is achieved using minuscule drops and continuous ink flow.
- Many more colors are available per printed dot as the printer layers different color ink drops over each other to create new colors.

"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 10/100 BaseTX print server, as well as USB 1.1 and parallel ports
- CALS files also accepted

Fast and efficient printing

- Robust printer for workgroups of 3 to 10 people, with print times as short as 60 seconds for D-size prints.
- Supports queuing and nesting, and processes next jobs while printing.
- Three portrait B+ images fit side by side on the 42-inch model.

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 and HP Semi-Gloss Photo 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 off-axis, 69-cc 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).

Consistent colors

- Consistent colors are achieved every time, regardless of printhead usage, ambient temperature, humidity or ink levels, using closed-loop-color calibration.

HP 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).

¹ 2400 dpi x 1200 dpi on glossy media

Technical specifications

Print technology	• HP Color Thermal Inkjet		
Print times²	Mode: Fast	Normal	Best
D-Size line drawings	• Black 60 seconds; • Color 90 seconds		
D-Size color images	• 85 ft ² /hr	• 36 ft ² /hr	• 21 ft ² /hr
Maximum resolution	• 2400 dpi x 1200 dpi on glossy media		
Media types	• Coated and glossy papers and films, canvas, 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 feet	
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 feet	
Minimum line width	• 0.002 in.		
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 ZHRaster 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 ZHRaster Plus software, supplied with the printer.		
Interfaces			
Standard	• Centronics parallel, IEEE-1284-compliant • USB 1.1 (Windows 98 & 2000 Professional, and Mac OS 8.5, 8.6, 9.0 only) • HP JetDirect Card for fast Ethernet 10/100 Base-TX • Other HP JetDirect internal print servers (see Accessories - Network Cards)		
Optional			
Auto interface switching	• Yes		
Minimum system requirements	• Microsoft Windows 95 or 98; Microsoft Windows NT or 2000; Mac OS 8.1 or later.		
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	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	• 42-inch models: 99 lb		• 24-inch models: 85 lb
Environmental ranges	Operating temperature	Storage temperature	Relative humidity
	• 41°F to 104°F	• -40°F to 158°F	• 15% to 80% RH
Power	Requirements	Consumption	
	• 100 to 240 V AC ±10% auto-ranging; 50 to 60 Hz, 2 amps max.	• 150 watts maximum	
Acoustic emissions³	• Pressure: Printing: 52 dB (A) • Power: Printing: 65 dB (A)		
Regulatory compliance Information / Safety	• Canada CSA C22.2, Europe 73/23/EEC EN60950, Mexico DGN, Norway NEMKO, EN 60950, EMKO TSE(74) DK207/94, US ITE, UL 1950, China CCIB certified, Czech Republic ECU IEC950 certified, Singapore PSB, Poland PCBC certified, Russia GOST certified.		
Electromagnetic compatibility	• Compliant with 89/336/EEC EMC Directive, US CFR 47 Part 15, Canadian Class B1, Japan VCCI Class Ba, Korea RRL certified, South Africa SABS licensed, Australia/New Zealand AS/NZS 3548, Taiwan BCIQ certified.		
Environmental compliance	• Energy Star compliant		

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

² Approximate mechanical printing speeds. All print times are on coated paper except black which is on bond paper.

³ Per ISO DP 7779. Typical emissions at 1-meter bystander position.

Ordering information - HP part numbers

Standard unit	42-inch	24-inch
• HP DesignJet 800	C7780B	C7779B
Box contents	42-in 24-in	
• HP DesignJet printer	•	•
• Built-in HP JetDirect 10/100 Base-TX Network Card	•	•
• Printer Stand	•	•
• Media Bin	•	•
• Spindle	•	•
• Power Cord	•	•
• Ink Cartridges	•	•
• Printheads	•	•
• Roll of Media	•	•
• HP-GL/2 and AutoCAD Drivers for Windows	•	•
• ZHRaster Plus for UNIX	•	•
• HP Install Network Wizard	•	•
• User Documentation	•	•
Interface Cables must be ordered separately		

Accessories

- Memory Module; 128 MB: C2388A
- HP Spindle; 42-inch: C2390A; 24-inch: C2389A
- Printer Stand and Media Bin; 24-inch: C7781A
- Network Cards; 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	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 www.hp.com/go/designjet and select "Printing Material"



As an ENERGY STAR™ Partner, Hewlett-Packard Company has determined that this product meets ENERGY STAR® guidelines for energy efficiency.

AutoCAD is a registered trademark of Autodesk, Inc. in the US and other countries. Windows and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and other countries. UNIX is a registered trademark of the Open Group in the US and other countries. Energy Star is a registered trademark of the US Department of Energy. ZHRaster Plus is furnished by ZEH Graphics Systems to HP standards and specifications. The information in this document is subject to change without notice.

©2000 Hewlett-Packard Company

Printed in the European Union

XXXX-XXXX EUS