



hp designjet 800ps
large-format printer



The professional choice
for ultimate photo quality.

The HP DesignJet 800PS printer is the professional and robust graphics printer for graphic design studios, in-house graphic departments and advertising agencies, delivering ultimate 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 photo quality¹

- Ultimate photo quality is achieved using HP colour layering technology and up to 2400 dpi resolution².
- 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 Adobe® PostScript® 3™ RIP, with drivers for Macintosh® and Windows®.
- Embedded HP-GL/2 processor, with drivers for AutoCAD® and Windows.
- 160 MB of RAM and a 6 GB hard disk.
- Powerful network card: HP JetDirect 10/100Base-TX print server, as well as USB 1.1 and parallel ports.

Professional colour management

- Accurate colours are obtained through Automatic PANTONE® Calibration, offset-printing press emulations (EuroScale, SWOP, DIC, and TOYO), and ICC profiles for Mac and Windows.
- Consistent colours are achieved every time, regardless of printhead usage, ambient temperature or ink levels, using automatic closed-loop-colour calibration.

Fast and efficient printing

- Robust printer for workgroups of 3 to 10 people, with print speeds of up to 7.9 m²/hr.
- Supports queuing and nesting, and processes next jobs while printing.
- Three portrait A3+ images fit side by side on the 107 cm model.

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.

Great media flexibility

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

Unattended printing

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

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).

¹ SpencerLab Report, August 2000. See www.spencerlab.com

² 2400 dpi x 1200 dpi on glossy media.

Technical Specifications

Print technology	• HP Colour Thermal Inkjet		
Print times³	Mode: Fast	Normal	Best
A1-size line drawings:	• 60 seconds		
Colour images:	• 7.9 m ² /hr	• 3.3 m ² /hr	• 2 m ² /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		
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:	• 160 MB RAM and 6 GB hard disk		
Maximum:	• 160 MB RAM and 6 GB hard disk		
Standard languages	• Adobe PostScript 3, HP-GL/2, HP RTL, CALS G4 (TIFF and JPEG files from UNIX®, Linux® and Windows NT® via ZHRaster Plus)		
Drivers			
PostScript:	• Windows (95, NT® 4.0) without USB, Windows (98, 2000) • Mac OS 8.1 or later		
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 (ECP) • USB 1.1. (Windows 98 & 2000, and Mac OS 8.5, 8.6, 9.0 only) • HP JetDirect Card for fast Ethernet 10/100Base-TX • Other HP JetDirect internal print servers (see Accessories – Network Cards)		
Optional:			
Auto interface switching	• Yes		
Minimum system requirements	• Microsoft Windows 95 or 98, 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 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).		
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 emissions⁴	Pressure	Power	
	• Printing: 52 dB (A)	• 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		

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

³ Approximate mechanical printing times and speeds. All print times are on coated paper except line drawings which are on bond paper

⁴ Per ISO 7779. Typical emissions at 1 metre bystander position for pressure.

Ordering Information – HP part numbers

Standard unit	107 cm	61 cm
• HP DesignJet 800PS	C7780C	C7779C
Box contents	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, AutoCAD & PostScript Drivers for Windows	•	•
• PostScript Driver for Macintosh	•	•
• ZHRaster Plus for UNIX	•	•
• HP install Network Wizard	•	•
• User Documentation	•	•
Interface Cables must be ordered separately		
Accessories		
• 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		
Supplies	Ink	Printhead
	Cartridge	
• 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 www.hp.com/go/designjet and select "Printing Materials".		



ENERGY STAR is a U.S. registered service mark of the United States Environmental Protection Agency. As an ENERGY STAR partner, Hewlett-Packard has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Adobe and PostScript are trademarks of Adobe Systems Incorporated. Macintosh is a trademark of Apple Computer, Inc., registered in the U.S.A. and other countries. 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. PANTONE is a registered trademark of Pantone, Inc. 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 Netherlands 07/00
5980-1671EN