



hp designjet 800ps
large-format printer



The professional choice
for ultimate photo quality.

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-inches model.

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 color gamut. Complete with a "virtual computer" inside, the printer does all of the processing work and immediately frees up your own computer.

Ultimate photo quality¹

- Ultimate photo quality is achieved using HP color layering technology and up to 2400 dpi resolution.²
- 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 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 10/100 BaseTX print server, as well as USB 1.1 and parallel ports.
- CALS files also accepted.

Professional color management

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

Fast and efficient printing

- Robust printer for workgroups of 3 to 10 people, with print speeds of up to 85 ft²/hr.
- Supports queuing and nesting, and processes next jobs while printing.
- Three portrait B+ images fit side by side on the 42-inch 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 and HP Semi-Gloss Photo 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 off-axis, 69-cc ink cartridges, long-life printheads, 150-ft media rolls, automatic alignment and cutting, and stacking of finished prints in the media bin (optional on the 24-inch model).

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

² 2400 dpi x 1200 dpi on glossy media

Technical specifications

| | | | |
|---|---|--|-------------------------|
| Print technology | • HP Color Thermal Inkjet | | |
| Print times³ on coated paper | 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 /h |
| 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. | | |
| 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 ZEH Raster 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 ZEH Raster 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 | | |
| Optional | • Other HP JetDirect internal print servers (see Accessories - Network Cards) | | |
| 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 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 model: | 24-inch model: | |
| Width x Depth x Height | • 67 in. x 27 in. x 43 in. | • 49 in. x 19 in. x 14 in. | |
| Weight | 42-inch model: • 99 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 emissions⁴ | Pressure | Power | |
| | • Printing: 52 dB (A) | • 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>

³ Approximate mechanical printing times and speeds

⁴ Per ISO DP 7779. Typical emissions at 1-meter bystander position.

Ordering information - HP part numbers

| | | |
|--|---------------|-----------|
| Standard unit | 24-inch | 24-inch |
| • HP DesignJet 800PS | C7780C | C7779C |
| 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, AutoCAD & PostScript Drivers for Windows | • | • |
| • PostScript Driver for Macintosh | • | • |
| • ZEH Raster Plus for UNIX | • | • |
| • HP install Network Wizard | • | • |
| • User Documentation | • | • |
| Interface Cables must be ordered separately | | |
| Accessories | | |
| • 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 | | |
| 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 Material" | | |



As an ENERGY STAR™ Partner, Hewlett-Packard Company has determined that this product meets 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. Energy Star is a registered trademark of the US Department of Energy. ZEH Raster Plus is furnished by ZEH Graphics Systems to HP standards and specifications.

©2000 Hewlett-Packard Company

Printed in the European Union
XXXX-XXXX EU5