hp designjet
800 and 800ps

hp invent ®

professional
workgroup printing

for technical and
graphics
departments

hp designjet 800 and 800ps

Busy workgroups want large-format prints fast—and HP Designjet 800 Series printers deliver clear, crisp images with rich, true colors and uncompromising image quality—print after print. HP Designjet 800/800PS printers are network-ready—a smart choice for any technical or graphics workgroup.

A "virtual computer" inside boosts productivity by doing all of the file processing work—freeing up the computer, so you can stay focused on critical deadlines. That's smart.

hp designjet 800

Architectural firms, engineering departments and other technical groups rely on the HP Designjet 800 printer for fast, accurate illustrations, precise line drawings, and high-resolution renderings.

hp designjet 800ps

The HP Designjet 800PS printer, with an included Adobe Postscript 3 RIP, provides detailed illustrations, accurate proofs and powerful presentations for advertising agencies, design studios, graphics workgroups, and corporate departments.

Exclusive HP Designjet imaging technology delivers uncompromising image quality at top speed. Smart printing tools provide customers with low cost of ownership, a simple-to-use interface and a high degree of unattended printing.

high speed

- Color images at 85 ft^2/hr (D-size fast mode)
- Line drawings in just 60 seconds (D-size super fast mode)

uncompromising image quality

- Rich, brilliant colors from print to print, regardless of ink levels or printhead usage
- Precise ink placement ensures crisp, sharp lines and text
- HP's color layering technology combines ink drops on a single dot to create smooth color transitions and photo-quality results—even up close
- Up to 2400 dpi resolution (on glossy media)

smart printing

- "Virtual computer" inside processes files, quickly freeing up the computer
- Supports queuing, nesting and processes the next job while printing
- Network ready—comes ready to print right out of the box
- High capacity HP No. 82 ink cartridges and long-life HP No.11 printheads mean fewer supplies changes, unattended printing, and low cost of ownership

The **hp** designjet printing solution—**hp** printers, ink systems and printing material—engineered and tested together to ensure uncompromising print quality, performance and reliability.

hp designjet printing supplies

HP Designjet Printing Supplies maximize the performance of your HP Designjet system. The portfolio of supplies consists of high-performance products for a variety of printing solutions that ensure uncompromising print quality, performance and reliability.

- Built-in smart chips identify low-ink levels and worn printheads

- Ink cartridges and printheads are replaceable— replace what you need, when you need

- HP Zoomsmart scaling technology allows easy large-format printing from any Windows application

- Optional EFI Fiery X4-W external RIP provides EFI tools and workflow for design professionals

simple to use

- Drivers are easy to install and the control panel is simple to navigate

- Ink set changes take less than one minute

- Smooth media loading and automatic alignment

- Finished prints are automatically cut and stacked in media bin (optional on 24-inch models)

- Printer stand included (optional on 24-inch models)

hp warranty and support

- One-year warranty delivers 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 five years

large-capacity ink cartridges

easy-to-follow control panel

hp designjet 800

- 96 MB RAM and 6 GB hard disk, expandable to 160 MB RAM

- Windows drivers (including support of AutoCAD)

- Media bin (optional on 24-inch models)

- C7780B (42 inch) US list price $6,995

- C7779B (24 inch) US list price $5,795

hp designjet 800ps

- 160 MB RAM and 6 GB hard disk (standard and maximum)

- Includes Adobe PostScript 3 RIP

- Microsoft Windows drivers (including support of AutoCAD)

- Color management obtained through automatic Pantone calibration, offset printing press emulations (EuroScale, SWOP, DIC and TOYO), ICC profiles for Macintosh and Windows

- Pantone certified

- Media bin (optional on 24-inch models)

- C7780C (42 inch) US list price $8,995

- C7779C (24 inch) US list price $6,995

hp designjet 800 series ink supplies

ink cartridges

no. 10	color	ink volume
C4844A	black	69 ml

no. 82	color	ink volume
C4911A	cyan	69 ml
C4912A	magenta	69 ml
C4913A	yellow	69 ml

printheads

no. 11	color
C4810A	black
C4811A	cyan
C4812A	magenta
C4813A	yellow

hp printing material

HP Printing Material offers a broad range of solutions, from premium products for uncompromising image quality to economical products for best value and flexibility.

HP Bright White Inkjet Paper, HP Coated Paper, HP Heavyweight Coated Paper, HP Paper-Based Semi-Gloss, HP Satin Poster Paper, HP High-Gloss Photo Paper, HP Semi-Gloss Photo Paper, HP Studio Canvas, HP Banners with Tyvek®, HP Colorfast Adhesive Vinyl, HP Matte Film, HP Clear Film, HP Natural Tracing Paper, HP Translucent Bond and HP Vellum

For complete HP Printing Material product information, compatibility and printing tips, visit **www.hp.com/go/designjet** and select "Printing Material."

hp designjet 800 and 800ps printers

specifications

print technology — HP Color Thermal Inkjet

print performance*
D-size: 24 × 36 inch
Line drawings:	60 seconds (fast mode)
Color Images:	85 ft²/hour (fast mode)
	36 ft²/hour (normal)
	21 ft²/hour (best)

maximum resolution — 2400 × 1200 dpi
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 High-Gloss White Film)
margins — lateral: 5mm   leading and trailing edge: 17mm

media handling — Sheet feed, roll feed, automatic cutter

media sizes

	Sheet	Roll
24 inch	width: 8.3 in. to 24 in.	width: 24 in.
	length: 8.3 in. to 74.7 in.	length: up to 150 ft.
42 inch	width: 8.3 in. to 42 in.	width: 24 in., 36 in., 42 inch
	length: 8.3 in. to 74.7 in.	length: up to 150 ft.

memory

	Standard	Maximum
800	96 MB, 6 GB HD	160 MB, 6 GB HD
800ps	160 MB, 6 GB HD	160 MB, 6 GB HD

connectivity

languages
800: HP-GL/2, HP RTL, CALS G4 (TIFF and JPEG files from UNIX®, Linux® and Windows NT® via ZEHRaster Plus)
800ps: Adobe® PostScript® 3™, HP-GL/2, HP RTL, CALS G4 (TIFF and JPEG files from UNIX, Linux and Windows NT via ZEHRaster Plus)

drivers
Microsoft® Windows®: 95, 98, NT 4.0, 2000
AutoCAD® 2000 and Releases 13, 14 for Windows
UNIX: CALS, TIFF and JPEG files accepted via ZEHRaster Plus software, supplied with printer
PostScript (800ps): Microsoft Windows (95, NT 4.0) without USB; Windows 98, 2000; Macintosh 8.1 or later

interfaces
800 (standard): Centronics parallel (ECP) IEEE 1284 compliant, USB 1.1 (Windows 98 and 2000), Ethernet 10/100Base-TX
800ps (standard): Centronics parallel (ECP) IEEE 1284 compliant, USB 1.1 (Windows 98 and 2000 and Macintosh OS 8.1, 8.5, 8.6, 9.0), Ethernet 10/100Base-TX

optional — HP Jetdirect internal print servers—see networking
automatic interface switching — Yes

warranty — One-year warranty includes free, next-business-day, on-site support and service for your printer, backed by HP support centers. HP Supportpacks and service agreements extend your warranty for up to 5 years, and can provide around-the-clock service, 4-hour response time, 365 days a year.

physical characteristics

	24 inch	42 inch
width × depth × height	49 in. × 19 in. × 14 in.	67 in. × 27 in. × 43 in.
weight	85 lbs.	99 lbs.

environmental specifications

temperature ranges — Operating: 59°F to 95°F; Storage: –40°F to 158°F

operating humidity — 20% to 80% RH

power — Requirements: 100 to 240 V AC ±10% auto-ranging; 50 to 60 Hz, 3 amps maximum
Consumption: 150 watts maximum

acoustic emissions† — Pressure: Printing: 52 dB (A)   Power: 65 dB (A)

regulatory compliance

information and safety — Compliant with the requirements for the ITE products—EU: Low Voltage Directive; USA and Canada: CSA Certified for US and Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB and 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 — US EPA ENERGY STAR® compliant

ordering information

box contents	hp designjet 800 24 inch C7779B	hp designjet 800 42 inch C7780B	hp designjet 800ps 24 inch C7779C	hp designjet 800ps 42 inch C7780C
printer stand		•		•
media bin		•		•
roll-feed spindle	•	•	•	•
power cords	•	•	•	•
hp designjet ink system	•	•	•	•
hp printing material sample	•	•	•	•
user documentation	•	•	•	•
user maintenance kit	•	•	•	•
HP install network wizard	•	•	•	•
HP-GL/2, AutoCAD Drivers for Windows	•	•	•	•
PostScript Drivers for Windows, Mac			•	•

Other interface cables must be ordered separately.

options and accessories

128 MB memory module	C2388A
24-inch spindle	C2389A
42-inch spindle	C2390A
Printer stand and media bin	C7781A
USB 5-m cable	C2392A
Fiery X4-W external RIP■	C7789A

networking

HP Jetdirect EIO 10Base-T	J3110A
HP Jetdirect EIO 10Base2, 10-T, LocalTalk	J3111A
HP Jetdirect Token Ring	J3112A

*Color images approximate speed on HP Coated Paper. Line drawings approximate speed on HP Bright White Inkjet Paper.
† Per ISO DP7779. Typical emissions at 1 meter by-stander position for pressure.
■ Available Fall, 2000.