DESIGNJET 111 PRINTER WITH ROLL $895.00

The most affordable HP large-format printer

Now you, too, can afford HP large-format printing

Always wish you had the tools to succeed in and out of school? HP can help. With this affordable, cost-effective large-format printer, you can print oversized projects up to D-size in the comfort of your home office—and save money!

- HP large-format printing is truly affordable. It won't cost a lot of money to buy the HP Designjet 111 Printer with Roll, and HP supplies and printing materials ensure cost-effective operation. Produce class posters and presentations for less than a $1.[1]
- Don't waste your money printing projects or jobs at a reprohouse. This HP printer is truly affordable and gives you the freedom to print in your home office. Now you don't have to wait, pay more, or hope for the best—because you're in control.
- Impress professors and clients alike with a compact, all-purpose printer that does it all. Confidently take on any assignment—the HP Designjet 111 Printer with Roll lets you print oversized posters, drawings, or presentations up to D-size.

The most compact HP large-format printer

So easy and convenient, this HP Designjet printer fits perfectly in any home office. Produce projects and jobs quickly and easily with right-click printing. It's also durable and—at only 3.3 ft. wide—will fit just about anywhere you need it to.

- Leave new clients and tough professors with a strong, lasting impression. Deliver drawings with sharp, fine detail or posters and presentations with pure, vibrant colors. Original HP inks let you express your design vision down to the slightest detail.

- The smallest large-format printer on the market,[2] the HP Designjet 111 Printer with Roll fits almost any environment. The space-saving design delivers a reduced footprint at only 3.3 ft wide, making it perfect for the desktop in your home office.
- When you need to meet a deadline, you don't want to worry about changing a cartridge or fixing a jam. Fortunately the HP Designjet 111 Printer with Roll delivers easy, dependable, and robust operation that you can really count on.

Innovative printing with HP Instant Printing

Take advantage of a large-format printing solution that does a lot and makes you look good. Use HP inks and media and produce D-sized prints of the highest quality. And save valuable study and work time with convenient media handling.

- Accommodate demanding jobs, assignments with a device that's easy, convenient, and saves you a lot of time. Meet deadlines and avoid all nighters—with right-click printing, print any file without opening an application. Work with multiple files at once.
- Take advantage of this compact printing solution from HP. Meet job size requirements and print out all of your own projects with one reliable printer that delivers the professional quality you expect—and your instructors and clients demand.
- Finish your documents to exact specification with easy, convenient media handling.
- Don't have time to deal with paper jams? Look to HP media—for that critical presentation, use photo papers that add the "wow" factor; for affordable, everyday printing use bond and coated papers. Take it to the next level with ColorPRO papers.

[1] Figures may vary from country to country depending on local ink pricing.

[2] Measuring only 3.2 square feet, the HP Designjet 111 Printer with Roll is the smallest large-format printer on the market.

TECHNICAL SPECIFICATIONS

Print

Line drawings[1]	90 sec/page on D, 11 letter prints per minute
Color images[2]	**Fast:** 90 sec/page on D on coated media
	Best: 21.5 min/page on D on glossy media
Print resolution	Up to 1200 x 600 dpi
Margins	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in
(top x bottom x left x right)	**Sheet:** 0.2 x 0.47 x 0.2 x 0.2 in
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, magenta, yellow, black
Ink types	Dye-based (color); pigment-based (black)
Ink drop	4 pl (C, M, Y), 18 pl (K)
Ink cartridge size	69 ml (black)
	28 ml (cyan, magenta, yellow)
Line accuracy	+/- 0.2%[3]
Guaranteed minimum line width	0.001 in (ISO/IEC 13660:2001(E))[4]

Media

Handling	Front manual single-sheet feed, rear manual path for thick media, manual roll feed with auto cutter
Types	Bond and coated paper (coated, heavyweight coated, plain), technical (natural tracing, translucent, vellum), film, photo (high-gloss, semi-gloss), proofing (high-gloss contract, semi-gloss contract, matte, semi-gloss)
Weight	60 to 210 g/m² (17 to 56 lb)
Size	**Manual sheet feed:** 4.3 x 8.1 to 24.6 x 64 in; **rear path:** 4.3 x 8.1 to 24.6 x 64 in; **roll feed:** up to 24 in
Thickness	**Front path:** up to 8 mil; **rear path:** up to 15 mil

Connectivity

Interfaces (standard)	Full-Speed USB 1.1, Centronics parallel IEEE-1284 (ECP compliant), EIO Jetdirect accessory slot
Print languages	PCL 3 GUI
Drivers (included)	HP PCL 3 GUI driver for Windows® (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; support for Citrix XenApp and Citrix XenServer environments

Software solutions

	HP Instant Printing: Easily and quickly print your files in large-format with the simple click of a button. More information: www.hp.com/go/hpinstantprintingutility

Dimensions (w x d x h)

Printer	41 x 19.5 x 8.7 in
Shipping	46.9 x 21.5 x 17.8 in

Weight

Printer	50.7 lb
Shipping	75.5 lb

What's in the box

	HP Designjet 111 Printer, printheads, introductory ink cartridges, quick reference guide, setup poster, documentation and drivers software, power cord

Environmental ranges

Operating temperature	41 to 104° F
Storage temperature	-4 to 131° F
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	50 dB(A)
Sound pressure, standby	37 dB(A)
Sound power, active	6.2 B(A)
Sound power, standby	5.4 B(A)

Power

Maximum	45 watts
Powersave	< 15 watts
Off	0.1 watts
Requirements	Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

Certification

Safety	IEC 60950-1 ITE product compliant, EU (LVD and EN 60950-1 compliant), CSA Certified for US and Canada, Mexico (NOM), Argentina (IRAM), China (CCC), Singapore (PSB), Russia (GOST)
Electromagnetic	Compliant with requirements for Class B ITE products, EU (EMC Directive), US (FCC rules), Canada (DOC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Class A for Korea (KCC)

Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP, FEMP
ENERGY STAR® qualified models	see: **www.hp.com/go/energystar**

Warranty

	One-year limited hardware warranty

ORDERING INFORMATION

Product

CQ532A	HP Designjet 111 24-in Printer with Roll

Accessories

Q1246B	HP Designjet 1xx/5xx Mono 24-in Stand
Q1264A	HP Designjet 1xx 24-in Spindle
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server

Original HP printheads

C4810A	HP 11 Black Printhead
C4811A	HP 11 Cyan Printhead
C4812A	HP 11 Magenta Printhead
C4813A	HP 11 Yellow Printhead

Original HP ink cartridges

CH565A	HP 82 69-ml Black Ink Cartridge
C4836A	HP 11 Cyan Ink Cartridge
C4837A	HP 11 Magenta Ink Cartridge
C4838A	HP 11 Yellow Ink Cartridge

Original HP large-format printing materials

HP Bright White Inkjet Paper with ColorPRO Technology	C1860A, C1861A, C6035A, C6036A, C6810A, Q1444A, Q1445A, Q1446A
HP Universal Bond Paper with ColorPRO Technology	Q1396A, Q1397A, Q1398A, Q8003A, Q8004A, Q8005A
HP Recycled Bond Paper	CG889A, CG890A, CG891A
HP Heavyweight Coated Paper	C6029C, C6030C, C6569C, C6570C, C6977C, Q1956A, Q1957A
HP Universal Heavyweight Coated Paper	Q1412A, Q1413A, Q1414A, Q1416A
HP Universal Coated Paper	Q1404A, Q1405A, Q1406A, Q1408A
HP Coated Paper	C6019B, C6020B, C6567B, C6568B, C6980A, Q1441A, Q1442A, Q1443A
HP Natural Tracing Paper	Q1439A , C3869A, C3868A
HP Translucent Bond Paper	C3860A, C3868A
HP Vellum Paper	C3861A, C3862A
HP Matte Film	51642A, 51642B
HP Universal High-gloss Photo Paper	Q1426A, Q1427A, Q1428A, Q1429A, Q1430A
HP Universal Semi-gloss Photo Paper	Q1420A, Q1421A, Q1422A, Q1423A, Q1424A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: **www.hp.com/go/lfprinting/materials-supplies**

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

Service and support

UV230E	HP 3 year Next Business Day Onsite Support
UV233E	HP 3 year 4 hour response, 9x5 Onsite Support
UV236E	HP 3 year 4 hour response, 13x5 Onsite Support
UV239PE	HP 1 year, Post Warranty, Next Business Day Onsite Support
UV240PE	HP 2 year Post Warranty, Next Business Day Onsite Support
UV241PE	HP 1 year Post Warranty, 4 hour response, 9x5 Onsite Support
UV242PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support
UC744E	HP Network Installation Service Designjet 400-6100 SVC

[1] Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond).
[2] Mechanical printing time.
[3] +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever greater) at 73° F, 50-60% relative humidity, on E-sized HP Matte Film in Best or Normal mode.
[4] Measured on HP Matte Film.

For more information, visit our website at WWW.TECH2000.NET OR CALL 301-340-7264

HP Designjet 130 Printer series $1,190.00/$1,381.00

Printers for creative professionals—the affordable HP Designjet 130 multi-format printing systems create fade-resistant, photo-quality images with consistent colors for professional photos, prints and proofs.

Color images that last

- **Fade-resistant, photo-quality images.** Proprietary dye-based HP Vivera inks are carefully engineered to work flawlessly with all parts of the printing systems so you achieve rich, vibrant color and extraordinary photo image quality with exceptional fade-resistance.[1] Graphic designers and professional photographers can rest assured that the images they create will maintain their impact.

- **Rich color depth and minimal dot visibility.** The six-color HP writing system delivers a wide range of colors, deeper blacks, continuous tones and superior gloss uniformity. A four picoliter ink drop size maintains fine detail reproductions, especially in dark areas, and smooth tonal transitions.

Reliable color

- **See reliable, consistent color from print to print.** The HP Designjet 130 Printer series features automatic closed-loop color calibration to provide consistent color, print to print and printer to printer.

- **Full color workflow support.** Optimized Macintosh and Windows® drivers provide key features for creative professionals, including RGB ICC profiles and full Apple ColorSync support. Optional Adobe® PostScript® 3™ software RIP provides robust color management and proofing options for the CMYK workflow.

- **Making professional color results simpler.** HP's free on-line knowledge center provides illustrated step-by-step instructions specific to your application, computer and workflow. And HP's custom color profiling service provides high-quality ICC media profiles for professionals whose work demands superior color accuracy.

Postcards to posters

- **Ideas big and small—no more cutting and pasting.** The standard tray holds up to 70 sheets as small as a postcard or as big as a poster (18 x 24 in/457 x 610 mm). Extra-wide front and rear paths allow oversize output up to 24 x 64 in (625 x 1625 mm); standard roll feed supports printing up to 24 in x 50 ft (610 mm x 15 m) and allows you to switch between loaded media options without intervention.

- **Media that shows off your ideas.** The HP Designjet 130 Printer series can handle media weights up to 80 lb (300 g/m²), as well as thick or rigid media up to 15 mil. Choose from a variety of media finishes, including gloss, satin and matte.

Time to design

- **See reliable, consistent color from print to print.** Print at speeds up to 4 minutes per page (mpp) for B (A3) size and up to 12 mpp for an D (A1) size color image in Normal mode, with fast color stability. Proofs and prints can be reviewed and approved in real time.

- **More time creating.** In-house printing for oversize output eliminates delays and shortens project timelines. Reliable, modular HP ink cartridges and printheads require minimal user intervention—further enhancing cost-effectiveness and efficiency.

[1]Wilhelm Imaging Research, Inc. concluded that prints made with HP No. 85 ink cartridges and HP Premium Plus Photo papers may be displayed indoors under glass for 82 years before noticeable fading and staining occur. (see www.wilhelm-research.com for details).

WHAT DO YOU HAVE TO SAY?

1. LCD printer status indicator for ink supply maintenance and print message alerts.

2. Standard media tray handles media up to 18 x 24 inches (457 x 610 mm) and can accommodate up to 70 sheets.

3. Front bypass slot accommodates cut-sheet media up to 24 inches (610 mm) wide.

4. Small footprint allows placement of printer on tabletop or in common work area.

5. USB and parallel connections plus network capability (standard on 130nr) ensure easy system integration.

6. Rear bypass slot handles heavy and rigid media of weights up to 80 lb (300 g/m²).

7. Standard roll feed (optional on the HP Designjet 130) feeds rolls up to 24 inches (610 mm) wide.

Internal color sensor for color consistency

Fade-resistant inks with 4 pl drop size for fade-resistant, photo-quality images

Modular ink system with six independently replaceable ink cartridges allows you to replace only the ink colors you need

HP Designjet 130 front shown

HP Designjet 130nr rear shown

Series at a glance

HP Designjet 130
- 70-sheet input tray for sheets up to 18 x 24 inches (457 x 610 mm)
- Slot for single sheets up to 24 x 64 inches (625 x 1625 mm)
- One open EIO slot for optional network connectivity

Optional accessories:
- EFI Designer Edition 5.1 RIP for HP (XL)
- Printer stand and media bin
- Standard roll feed
- Additional roll feed spindle
- HP color profiling off-site service

HP Designjet 130nr

All the features of the 130 model, plus:
- Standard roll feed for printing up to 24 inches x 50 ft (610 mm x 15 m)
- HP Jetdirect 620 internal EIO print server

Optional accessories:
- EFI Designer Edition 5.1 RIP for HP (XL)
- Printer stand and media bin
- Additional roll feed spindle
- HP color profiling off-site service

As a creative professional, you need more than reliability, performance and value. Your world is all about color. That's why HP has implemented technologies and solutions that deliver the color quality, consistency and control you need for a superior color experience.
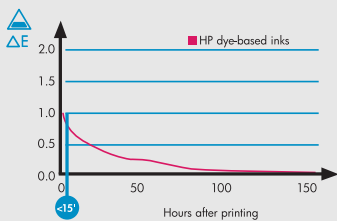
Color technology by HP

Inks and media deliver fade resistance and stability
New, dye-based inks, combined together with HP papers, produce images that stabilize in minutes vs. hours and last for years. HP inks, media and printers are designed together for results that do justice to your ideas.

HP Designjet 130 Printer series
(using HP Proofing Semi-gloss Paper)

HP color layering technology
Like artists creating new colors by mixing the standard paints on their palettes, multi-layering technology uses the basic CMYKcm palette to achieve a much broader range of printable colors.

By layering ultra small (4 pl) drops within a single dot, HP Designjet 130 printers produce smoother gradations between tones for virtually grain-free images.
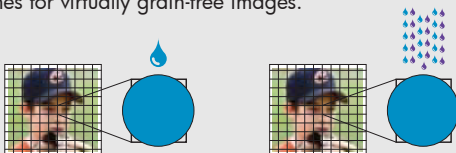
Automatic color calibration
The automatic closed-loop color (CLC) calibration process enables consistent and accurate color reproduction.

The CLC process is based on measuring, via a color sensor, reflected energy from primary color tiles that are illuminated with a narrow-bond light source. The process works in much the same way as a classical densitometer. The printer generates a target, scans the pattern and adjusts based on the results.
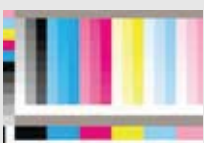
Color solutions for your workflow
RGB or CMYK. Printing or proofing. Pleasing color or accurate color. With the HP Designjet 130 printing system, you can choose the solution that best fits your needs, your workflow and your environment.

HP Designjet 130 drivers
Optimized Mac and Windows drivers deliver outstanding color output for photographers or designers printing images in an RGB workflow. Support for RGB ICC profiles means you have the choice of managing color in the applications or via ICM profile or ColorSync tools.

The drivers also allow you to balance color channels individually when you need one last tweak.

EFI Designer Edition RIP for HP
The EFI Designer Edition RIP, tailored for HP printers offers a powerful, yet cost-effective digital proofing system that allows full control over digital proofing needs and saves hassle, time and money. Together, EFI and HP enable designers, photographers and other creative professional to easily generate proof quality prints with sharp detail, color accuracy and smooth tonal transitions.

Third-party RIPs
HP has worked with virtually all the leading RIP vendors in digital photography, large-format printing and pre-press proofing fields to ensure you can choose the solution that best matches your color workflow.

HP Designjet 130 Printer series

Technical specifications

Print speed	
Normal	Up to 4 min/page on B/A3 glossy media, up to 11.9 min/page on D/A1 glossy media
Best	Up to 6 min/page on B/A3 glossy media, up to 17.5 min/page on D/A1 glossy media

Printing	
Print resolution	Up to 2400 x 1200 dpi
Margins	0.2 x 0.47 x 0.2 x 0.2 in (5 x 12 x 5 x 5 mm)
Technology	HP Thermal Inkjet
Technology resolution	HP Color Layering technology, PhotoREt IV
Ink types	Dye-based HP Vivera inks
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Ink drop	4 pl
Print heads	6 (1 each cyan, magenta, yellow, black, light cyan, light magenta)
Minimum line width	0.002 in (0.04 mm)

Media	
Handling	70-sheet input tray, front manual single-sheet feed, rear manual path for thick media, standard roll feed with auto cutter (130nr only)
Types	Bond and coated paper (coated, heavyweight coated, plain), photo (gloss, high-gloss, semi-gloss, satin, matte), proofing (high-gloss contract, semi-gloss contract, matte)
Weight	**Tray 1:** 17 to 40 lb (65 to 150 g/m²); **manual single-sheet feed:** 17 to 40 lb (65 to 150 g/m²); **rear path:** up to 80 lb (300 g/m²); **roll feed:** 17 to 40 lb (65 to 150 g/m²)
Size	**Tray 1:** 3 x 5.6 to 18 x 24 in (76 x 142 to 457 x 610 mm); **manual single-sheet feed:** 4.3 x 8.1 to 24.6 x 64 in (110 x 205 to 625 x 1625 mm); **rear path:** 4.3 x 8.1 to 24.6 x 64 in (110 x 205 to 625 x 1625 mm); **roll feed:** up to 24 in (610 mm)
Thickness	**Tray 1:** up to 8 mil; **envelopes:** up to 15 mil; **front path:** up to 8 mil; **rear path:** up to 15 mil; **roll feed:** up to 8 mil
Standard sizes	A1, A1+, A2, A3, A4, B2, B3, B4 (letter, legal, tabloid, C, D, D+, envelopes)

Connectivity	
Interfaces (standard)	USB 1.1 (USB 2.0 compliant), Centronics parallel IEEE-1284 (ECP compliant), 1 EIO slot, HP Jetdirect Fast Ethernet Print Server (130nr only)
Interfaces (optional)	Compatible HP Jetdirect LAN cards
Print languages	PCL 3 GUI RGB 24-bit Contone; optional: Adobe PostScript 3 via software RIP
Drivers (included)	PCL 3 GUI Windows driver, Microsoft® Windows drivers (Vista®, XP®, 2000) including support for AutoCAD 2000 and AutoCAD 13 - 14 drivers, USB and ECP drivers, Raster driver for Mac OS X v10.3, v10.4, v10.5

Dimensions (w x d x h)	
Printer	**130:** 41.3 x 16.3 x 8.7 in (1050 x 415 x 220 mm), **130nr:** 41.3 x 21 x 8.7 in (1050 x 535 x 220 mm)
Maximum	**130:** 41.3 x 35.4 x 8.7 in (1050 x 900 x 220 mm), **130nr:** 41.3 x 40.1 x 8.7 in (1050 x 1020 x 220 mm)
Shipping	46.9 x 21.5 x 19.5 in (1192 x 545 x 493 mm)

Weight	
Printer	**130:** 48.5 lb (22 kg), **130nr:** 50.7 lb (23 kg)
Shipping	**130:** 74.6 lb (33.8 kg), **130nr:** 81.2 lb (36.8 kg)

What's in the box	
HP Designjet 130 Printer	HP Designjet 130 Printer, printheads (6), ink cartridges (6), input/output tray, input tray cover, HP media samples, documentation and drivers CD, quick reference guide, setup poster, USB cable, power cord
HP Designjet 130nr Printer	HP Designjet 130 Printer, standard roll feed, HP Jetdirect network card, printheads (6), ink cartridges (6), input/output tray, input tray cover, HP media samples, documentation and drivers CD, quick reference guide, setup poster, USB cable, power cord

Environmental ranges

Operating temperature	41 to 104° F (5 to 40° C)
Recommended operating temperature	59 to 86° F (15 to 30° C)
Storage temperature	-4 to 131° F (-20 to 55° C)
Operating humidity	20 to 80% RH
Recommended humidity	25 to 75% RH
Storage humidity	0 to 95% RH

Acoustic

Sound pressure, active	50 dB(A)
Sound pressure, standby	37 dB(A)
Sound power, active	6.2 B(A)
Sound power, standby	5.4 B(A)

Power consumption

Maximum	65 watts
Standby	17 watts
Power requirements	Input voltage 100 to 240 V ac (+/- 10%) auto ranging, 50/60 Hz (+/- 3Hz), 2 amp maximum

Certification

Safety	IIEC 950-compliant, EU LVD and EN60950 compliant, CSA certified for US and Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCC, Singapore PSB, Russia VNIIS, Poland ELTEST, Korea KTL
Electromagnetic	Compliance for Class B products, Class A when connected to LANs, EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Class A for Korea (MIC), Taiwan (BSMI)
ENERGY STAR® qualified models see:	http://www.hp.com/go/energystar

Warranty

Warranty Support call 1-800-HP INVENT	One-year, next-day onsite warranty

EPA POLLUTION PREVENTER

PANTONE Digital Color

Adobe® PostScript® 3™

Windows Vista

Mac / Universal

USB

For more information, visit our website at www.TECH2000.NET OR CALL 301-340-7264

hp®

HP Designjet 510 Printer series $2,095.00/$3,195.00

HP's most affordable standalone printer for small studios that print large-format technical documents in-house.

Conveniently print technical drawings

Assume greater control over large-format CAD printing when you bring it in-house.

- Conveniently print CAD documents with print speeds up to 55 seconds for D/A1-sized documents.
- HP Instant Printing—quickly print your HP-GL/2 and PLT files with the simple click of a button.
- Easily share this large-format Designjet among multiple users with optional network capability.

Reliable performance, high line quality

Impress clients with a four-color, high resolution (2400 x 1200 optimized dpi) printing system that delivers fine line quality and high accuracy. It's compatible with the latest applications and operating systems, offers HP-GL/2 support, and comes with 160 MB of memory.

- See high-quality output for technical CAD drawings—sharp detail, accurate lines, superior resolution—with HP-GL/2 in-printer processing technology.
- Process complex files with great ease thanks to 160 MB of memory.
- Based on the very reliable and best-selling HP Designjet 500 Printer series.

In-house, at the right price

HP makes it easy and affordable for small studios to produce high-quality technical CAD prints in-house.

Save the expense, hassle, and time it takes to outsource large-format prints and start doing it yourself.

- Get high quality, high reliability at an affordable price.
- A choice of 28-ml and 69-ml HP color ink cartridges enables cost-effective printing matched to your needs.
- Separate ink cartridges and printheads at a low price and efficient servicing routines without any need to replace maintenance tanks keep running costs down.

for CAD	24/42 inches	2400x 1200dpi	160MB Memory	55sec./D-size	HP-GL/2 in-print processing	LAN optional	4colors

WHAT DO YOU HAVE TO SAY?

hp

Printing

Print speed[1]	**Line drawings:** Fast: 55 sec/page on D/A1, 38 D/A1 prints per hour on plain media (increased speed on)
	Color images: Fast: 3.5 min/page on D/A1 on coated media
	Normal: 9.5 min/page on D/A1 on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Recommended volume	Up to 50 D/A1 per week
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm)
(top x bottom x left x right)	Sheet: 0.7 x 0.7 x 0.2 x 0.2 in (17 x 17 x 5 x 5 mm)
Technology	HP Thermal Inkjet
Ink types	Dye-based (color), pigment-based (black)
Ink colors	Cyan, magenta, yellow, black
Ink drop	4 pl (color), 18 pl (black)
Ink cartridge size	69 ml (CMYK) or 28 ml (CMY)
Print heads	4 (1 each cyan, magenta, yellow, black)
Line accuracy	+/- 0.2%[2]
Minimum line width	Color: 0.0027 in (0.07 mm); black: 0.0035 in (0.09 mm)

Memory

160 MB standard memory, expandable to 416 MB with HP Designjet 256 MB Memory Upgrade

Media

Handling	Single sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Types	Bond and coated, technical, film, photographic, proofing, self-adhesive, banner and sign, canvas
Size	**24-in models:** 5.5 x 5.5 to 24 x 74.7 in (140 x 140 to 610 x 1897 mm) sheets, 18 to 24 in (458 to 610 mm) rolls **42-in models:** 5.5 x 5.5 to 42 x 74.7 in (140 x 140 to 1067 x 1897 mm) sheets, 18 to 42 in (458 to 1067 mm) rolls
Max. roll diameter	3.9 in (100 mm)
Max. roll length	Unlimited (depends on media thickness)

Connectivity

Interfaces (standard)	1 USB 2.0 compliant port, 1 IEEE-1284-compliant parallel port, 1 EIO Jetdirect accessory slot
Interfaces (optional)	Compatible HP Jetdirect EIO print servers
Print languages	HP-GL/2, HP-RTL, HP PCL 3 GUI

Drivers

HP-GL/2, HP-RTL Windows® drivers; Optimized Windows driver for AutoCAD 2000 and higher; HP PCL 3 GUI driver for Mac OS X

Software solutions

HP Instant Printing Utility: Easily and quickly print your HP-GL/2 and PLT files with the simple click of a button. More information: www.hp.com/go/hpinstantprintingutility

Recommended system

Windows	Windows Vista®, XP®, Server 2003, 2000: Pentium® 4 (1 GHz or higher), 1 GB RAM, 2 GB available hard disk space
Macintosh	Mac OS X (10.3, 10.4, 10.5): PowerPC G4, G5, or Intel® Core™ Processor, 1 GB RAM

Dimensions (w x d x h)

Printer	**24-in models:** 49 x 19 x 14 in (1253 x 470 x 349 mm) **42-in models (with stand):** 67 x 27 x 43 in (1690 x 674 x 1100 mm)
Shipping	**24-in models:** 60.6 x 25.4 x 29 in (1540 x 645 x 737 mm) **42-in models (with stand):** 77.8 x 25.4 x 38.5 in (1975 x 645 x 978 mm)

Weight

Printer	**24-in models:** 85.3 lb (38.7 kg) **42-in models (with stand):** 99.6 lb (45.2 kg)
Shipping	**24-in models:** 134 lb (61 kg) **42-in models (with stand):** 232 lb (105 kg)

What's in the box

HP Designjet 510 Printer, printer stand and media bin (42-in models only), spindle, printheads (4 x 1 color), introductory ink cartridges (x4), quick reference guide, setup poster, doc and drivers CD, customer service guide, power cord

[1] Mechanical printing time. Measured on a 42-in model.
[2] ±0.010 mm at 23°C (73°F), 50-60% relative humidity, on E/A0 printing material in Best mode with HP Premium Instant-dry Photo Gloss.

Environmental ranges

Operating temperature	41 to 104° F (5 to 40° C)
Recommended operating temperature	59 to 95° F (15 to 35° C)
Storage temperature	-40 to 140° F (-40 to 60° C)
Recommended operating humidity	20 to 80% RH
Storage humidity	0 to 95% RH

Acoustic

Sound pressure, active	52 dB(A)
Sound pressure, standby	29 dB(A)
Sound power, active	6.5 B(A)
Sound power, standby	4.4 B(A)
Power consumption Maximum	150 watts
Power requirements	Line voltage: 100 to 240 V ac (+/- 10%) auto-ranging, 50 to 60 Hz, 3 A maximum

Certification

Safety	Compliant with the requirements for ITE products: EU Low Voltage Directive, US and Canada CSA certified, Mexico NOM-1-NYCE, Argentina IRAM China CCIB and CCEE, Singapore PSB, Russia GOST, Poland PCBC
Electromagnetic	Compliant with the requirements for class B ITE products: EU (EMC directive), US (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCIB), class A for Korea (MIC), Taiwan (BSMI)
Environmental	RoHS, WEEE
ENERGY STAR® qualified models	see: http://www.hp.com/go/energystar

Warranty

Warranty Support call 1-800-HP INVENT	One-year, next business day, on-site warranty

Ordering information

Product
CH336A HP Designjet 510 24-in Printer
CH337A HP Designjet 510 42-in Printer

Accessories
CH654A HP Designjet 256 MB Memory Upgrade DIMM
Q1246B HP Designjet 24-in Stand & Bin
C2389A HP 24-inch Spindle
C2390A HP 42-inch Spindle
Q6643D EFI Designer Edition 5.1 RIP for HP (XL) Intl
Q6644D EFI Designer Edition 5.1 RIP for HP (XL) Japan

Jetdirect cards
J7934G HP Jetdirect 620n Fast Ethernet
J7997G HP Jetdirect 630n IPv6 Gigabit Ethernet
J7961G HP Jetdirect 635n IPv6/IPsec Gigabit
J7951G HP Jetdirect ew2400 802.11g Wireless
J7988G HP Jetdirect en1700 IPv6, Fast Ethernet

Original HP supplies
C4911A HP 82 Cyan Ink Cartridge (69 ml)
C4912A HP 82 Magenta Ink Cartridge (69 ml)
C4913A HP 82 Yellow Ink Cartridge (69 ml)
CH565A HP 82 Black Ink Cartridge (69 ml)
CH566A HP 82 Cyan Ink Cartridge (28 ml)
CH567A HP 82 Magenta Ink Cartridge (28 ml)
CH568A HP 82 Yellow Ink Cartridge (28 ml)
C4810A HP 11 Black Printhead
C4811A HP 11 Cyan Printhead
C4812A HP 11 Magenta Printhead
C4813A HP 11 Yellow Printhead

Original HP media
Q1396A HP Universal Bond Paper 80 g/m² - 610 mm x 45.7 m/24 in x 150 ft
C6035A HP Bright White Inkjet Paper 90 g/m² - 610 mm x 45.7 m/24 in x 150 ft
C6029C HP Heavyweight Coated Paper 131 g/m² - 610 mm x 30.5 m/24 in x 100 ft
Q1412A HP Universal Heavyweight Coated Paper 120 g/m² - 610 mm x 30.5m/24 in x 100 ft
C6019B HP Coated Paper 90 g/m² - 610 mm x 45.7 m/24 in x 150 ft
Q1404A HP Universal Coated Paper 95 g/m² - 610 mm x 45.7 m/24 in x 150 ft
C3876A HP Clear Film 174 g/m² - 610 mm x 22.9 m/24 in x 75 ft
51642A HP Matte Film 160 g/m² - 610 mm x 38.1 m/24 in x 125 ft
Q1426A HP Universal High-gloss Photo Paper 190 g/m² - 610 mm x 30.5/24 in x 100 ft
Q1421A HP Universal Semi-gloss Photo Paper 190 g/m² - 914 mm x 30.5 m/36 in x 100 ft
Q7971A HP Professional Semi-gloss Contract Proofing Paper 235 g/m² - 610 mm x 30.5 m/24 in x 100 ft
Q1968A HP Matte Proofing Paper 146 g/m² - 610 mm x 30.5 m/24 in x 100 ft

HP Care Pack Services
H4518E HP Installation Service with Network Setup
UK900E HP 3-Year Next Business Day Onsite Service
UK904E HP 3-Year Same Day Onsite Service (9x5)
UK908E HP 3-Year Same Day Onsite Service (13x5)

For more service options visit **www.hp.com/go/lookuptool**
HP Care Pack Services call 1-800-633-3600 for service.

More HP media sizes and weights available at
www.hp.com/go/designjet/supplies

For more information, visit our website at
WWW.TECH2000.NET OR CALL 301-340-7264

WHAT DO YOU HAVE TO SAY?

DESIGNJET T770

PRINTER SERIES $4,670.00-$300.00

Reliable plug-and-play 44-inch small team printer

Easily do more in less time and grow your business

- Get the job done quickly without sacrificing quality thanks to this printer's fast (Economode) print setting—2 D/A1-sized prints per minute.

- Improve your media loading with a convenient, hassle-free front-loading top roll printer, and save time with alerts that facilitate timely replacement.

- Small teams can share this printer thanks to its built-in network card.

- Increase your possibilities with system enhancements like more memory and optional PostScript accessory.[1]

- Print batch HP-GL/2, DWF, PDF, JPEG, TIFF, and MS Office 2007 (Word, Excel, PowerPoint) files easily—without opening any application—thanks to the free HP Instant Printing Utility.

Small details increase your power to communicate

- Achieve rich, dark blacks and fine detailed lines with HP Vivera inks, including 2 HP Vivera blacks and a gray ink in this 6-ink printing system.

- Produce exacting detail with 0.0008 inch (0.02 mm) minimum line width,[2] and highly accurate drawings with 0.1% line accuracy.

- Easily create stunning large-format posters that convey your message loud and clear with the optional Serif PosterDesigner Pro for HP.[3]

- Transform your everyday printing with 2 HP media innovations—new and improved HP bond papers with ColorPRO Technology and HP Recycled Bond Paper, made of 100% recycled base paper.

- Optimize blueprints—use this printer's new printing mode for generic natural tracing paper.

Focus on your design with a reliable printer

- Work with confidence knowing this printer can easily process complex files.

- Increase your memory capabilities with a 160 GB hard disk version printer, including 8 GB of dedicated memory for fast file processing.

- Experience greater operating system support with original HP-GL/2 and RTL.

- Experience efficient, reliable printing with Original HP printing supplies and printing materials.

- Manage your printer fleet and costs with HP Web Jetadmin and the HP accounting tool.

ecoHIGHLIGHTS   HP DESIGNJET T770 PRINTER

- Save paper with blank print area detection, image auto-rotate and realistic print previews
- Less ink wasted thanks to efficient installation and maintenance routines
- Free, convenient cartridge and printhead recycling[1]
- Supports 100% recycled HP media
- ENERGY STAR® Qualified Product

[1] In more than 45 countries worldwide. Please check www.hp.com/recycle for details

www.hp.com/ecosolutions   Please recycle your computing hardware and supplies. Find out how at our website.

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1) The PostScript accessory is an optional accessory to be purchased separately (includes 6 GB memory upgrade).
2) HP-GL/2 addressable
3) Serif PosterDesigner Pro for HP is an optional software accessory to be purchased separately.

HP DESIGNJET T770
PRINTER SERIES

TECHNICAL SPECIFICATIONS

Print Speed[1]

Line drawings[2]	Fast: 28 sec/page on D/A1, 103 D/A1 prints per hour
Color images	Fast: 549 ft²/hr (51 m²/hr)[2]
	Best: 33.3 ft²/hr (3.1 m²/hr)[3]

Printing

Print resolution	Up to 2400 x 1200 optimized dpi
Margins	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm)
(top x bottom x left x right)	**Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in (5 x 16.75 x 5 x 5 mm)
Technology	HP Thermal Inkjet
Ink types	Dye-based (C, M, Y, G, PK); pigment-based (MK)
Ink colors	Cyan, gray, magenta, matte black, photo black, yellow
Ink drop	6 pl (C, M, PK, G), 9 pl (Y, MK)
Ink cartridge size	130 ml (cyan, gray, magenta, matte black, photo black, yellow)
	69 ml (cyan, gray, magenta, photo black, yellow)
Printheads	3 (matte black and yellow, magenta and cyan, gray and photo black)
Line accuracy	+/- 0.1%[4]
Minimum line width	0.0008 in (0.02 mm) (HP-GL/2 addressable)
Guaranteed minimum line width	0.0024 in (0.06 mm) (ISO/IEC 13660:2001(E))[5]
Maximum print length	300 ft (91 m) (OS and application dependent)

Media

Handling	Sheet feed; roll feed; automatic cutter
Types	Bond and coated papers, technical papers, films, photographic papers, backlit materials, self-adhesive materials
Weight	60 to 328 g/m²
Size	8.26 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm) sheets
	11 to 44 in (27.94 to 111.76 cm) rolls
Thickness	Up to 11.8 mil

Memory

	8 GB dedicated file-processing memory, 160 GB hard disk[6]

Connectivity

Interfaces (standard)	1 Fast Ethernet (100Base-T) port, 1 Hi-Speed USB 2.0 certified port, 1 EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI
Print languages (optional)	Adobe® PostScript® 3™, Adobe PDF 1.7 (with optional PostScript Upgrade accessory)
Drivers (included)	HP-GL/2, HP-RTL drivers for Windows® (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; support for Citrix XenApp and Citrix XenServer environments; PostScript Windows, Linux, and Mac drivers with optional dongle (will remove HP PCL 3 GUI driver support)

Recommended system requirements

Mac	Mac OS X v 10.4, Mac OS X v 10.5: PowerPC G4, G5, or Intel Core Processor; 1 GB RAM; 2 GB available hard disk space
Windows	Windows XP® (SP2 or later): Intel® Pentium® family or AMD® K6/Athlon/Duron family (1 GHz), 1 GB RAM, 2 GB available hard disk space; Windows Vista®: 32-bit (x86) or 64-bit (x64) processor (1 GHz), 2 GB RAM, 2 GB available hard disk space

Dimensions (w x d x h)

Printer	69.7 x 28.4 x 41.3 in (1770 x 722 x 1050 mm)
Shipping	75.98 x 30.16 x 30.7 in (1930 x 766 x 778 mm)

Weight

Printer	180 lb (81.6 kg)
Shipping	244 lb (111 kg)

What's in the box

	Printer, printheads (3 x 2 colors each), introductory ink cartridges, 44-in stand, 44-in spindle, Quick Reference Guide, setup poster, Serif PosterDesigner Pro for HP poster, start-up software, power cord

Environmental ranges

Operating temperature	41 to 104° F (5 to 40° C)
Recommended operating temperature	59 to 95° F (15 to 35° C) (depending on paper type)
Storage temperature	-13 to 131° F (-25 to 55° C)
Recommended operating humidity	20 to 80% RH (depending on paper type)
Storage humidity	0 to 95% RH

Acoustic

Sound pressure, active	46 dB(A)
Sound pressure, standby	26 dB(A)
Sound power, active	6.2 B(A)
Sound power, standby	4.4 B(A)

Power consumption

Maximum	120 watts
Powersave	< 7 watts (< 25 watts with embedded DFE)
Off	0.1 watts
Power requirements	Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

Certification

Safety	USA and Canada (CSA certified); EU (LVD and EN60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP, FEMP
ENERGY STAR® qualified models	see: http://www.hp.com/go/energystar

Warranty

	One-year limited hardware warranty

ORDERING INFORMATION

Product	
CN375A	HP Designjet T770 44-in Hard Disk Version Printer

Accessories	
Q6709A	HP Designjet 44-inch Roll Feed Spindle
CN500A	HP Designjet T770 PostScript Upgrade
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN088A	Serif PosterDesigner Pro for HP

Original HP printheads	
C9380A	HP 72 Gray and Photo Black Printhead
C9383A	HP 72 Magenta and Cyan Printhead
C9384A	HP 72 Matte Black and Yellow Printhead

Original HP ink cartridges	
C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Gray Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Gray Ink Cartridge

Original HP printing materials	
Q6627A	HP Super Heavyweight Plus Matte Paper 210 g/m², 36 in x 100 ft/914 mm x 30,5 m
Q6628A	HP Super Heavyweight Plus Matte Paper 210 g/m², 42 in x 100 ft/1067 mm x 30,5 m
C6030C	HP Heavyweight Coated Paper 130 g/m², 36 in x 100 ft/914 mm x 30,5 m
C6569C	HP Heavyweight Coated Paper 130 g/m², 42 in x 100 ft/1067 mm x 30,5 m
Q1956A	HP Heavyweight Coated Paper 130 g/m², 42 in x 225 ft/1067 mm x 67,5 m
C6019B	HP Coated Paper 90 g/m², 24 in x 150 ft/610 mm x 45,7 m
C6020B	HP Coated Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m
C6980A	HP Coated Paper 90 g/m², 36 in x 300 ft/914 mm x 91,4 m
C1860A	HP Bright White Inkjet Paper 90 g/m², 24 in x 150 ft/610 mm x 45,7 m **now with ColorPRO Technology**
C1861A	HP Bright White Inkjet Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m **now with ColorPRO Technology**
C6810A	HP Bright White Inkjet Paper 90 g/m², 36 in x 300 ft/914 mm x 91,4 m **now with ColorPRO Technology**
Q1397A	HP Universal Bond Paper 80 g/m², 36 in x 150 ft/914 mm x 45,7 m **now with ColorPRO Technology**
C3868A	HP Natural Tracing Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m
C3875A	HP Clear Film 174 g/m², 36 in x 75 ft/914 mm x 22,9 m
51642B	HP Matte Film 160 g/m², 36 in x 125 ft/914 mm x 38,1 m
Q1427A	HP Universal High-gloss Photo Paper 190 g/m², 36 in x 100 ft/914 mm x 30,5 m
Q1421A	HP Universal Semi-gloss Photo Paper 190 g/m², 36 in x 100 ft/914 mm x 30,5 m
CG459A	HP Premium Matte Photo Paper 210 g/m², 24 in x 100 ft/610 mm x 30,5 m
CG460A	HP Premium Matte Photo Paper 210 g/m², 36 in x 100 ft/914 mm x 30,5 m
C7960A	HP Reverse Print Matte Backlit Film 160 g/m², 36 in x 75 ft/914 mm x 22,9 m
Q8834A	HP Self-adhesive Gloss Polypropylene 120 g/m², 36 in x 75 ft/914 mm x 22,9 m
CG886A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 24 in x 100 ft/610 mm x 30,5 m
CG887A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 36 in x 100 ft/914 mm x 30,5 m
CG888A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 42 in x 100 ft/1067 mm x 30,5 m
CG883A	HP Cockle-free Coated Paper 100 g/m², 24 in x 150 ft/610 mm x 45,7 m
CG884A	HP Cockle-free Coated Paper 100 g/m², 36 in x 150 ft/914 mm x 45,7 m
CG885A	HP Cockle-free Coated Paper 100 g/m², 42 in x 150 ft/1067 mm x 45,7 m
CG889A	HP Recycled Bond Paper 80 g/m², 24 in x 150 ft/610 mm x 45,7 m **made of 100% recycled base paper**
CG890A	HP Recycled Bond Paper 80 g/m², 36 in x 150 ft/914 mm x 45,7 m **made of 100% recycled base paper**
CG891A	HP Recycled Bond Paper 80 g/m², 42 in x 150 ft/1067 mm x 45,7 m **made of 100% recycled base paper**

HP Care Pack Services	
US251E	HP 3-year Next Business Day Onsite Support
H4518E	HP Installation Services with Network Setup
US248E	HP 3-year Next Business Day Onsite Support (9x5)
US244E	HP 3-year Next Business Day Onsite Support (13x5)
US250E	HP 4-year Next Business Day Onsite Support
US249E	HP 5-year Next Business Day Onsite Support

For more HP large-format printing materials and sizes please visit us online at: www.hp.com/go/designjet/supplies

[1] Mechanical printing time
[2] Printed on plain media with Economode on
[3] Printed on glossy media
[4] +/-0.1% of the specified vector length or +/-0.1 mm (whichever greater) at 73° F (23° C), 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film
[5] Measured on HP Matte Film
[6] 384 MB RAM memory

FOR MORE INFORMATION, VISIT OUR WEBSITE AT

WWW.TECH2000.NET OR CALL 301-340-7264

DESIGNJET T1200

PRINTER SERIES $5,790.00-$500.00/$6,990.00-$400.00

Two printers in 1 for CAD/GIS medium workgroups[1]

Do more in less time—fast setup, printing, sharing

- Get the job done quickly without sacrificing quality thanks to this printer's fast (Economode) print setting—2 D/A1-sized prints per minute.
- Experience continuous printing with reliable HP 300-ml matte black ink cartridges, a convenient front-loading top roll, and media length tracking.
- Save time and paper with 2 online rolls with smart switching.
- Print batch HP-GL/2, DWF, PDF, JPEG, TIFF, and MS Office 2007 (Word, Excel, PowerPoint) files easily—without opening any application—thanks to the free HP Instant Printing Utility and the embedded Web server.
- Medium-sized teams can easily share this printer thanks to its built-in network card.

Small details increase your power to communicate

- Achieve rich, dark blacks and fine detailed lines with HP Vivera inks, including 2 HP Vivera blacks and a gray ink in this 6-ink printing system.
- Produce exacting detail with 0.0008 inch (0.02 mm) minimum line width,[2] and highly accurate drawings with 0.1% line accuracy.
- Easily create stunning large-format posters that convey your message loud and clear with the optional Serif PosterDesigner Pro for HP.[3]
- Transform your everyday printing with 2 HP media innovations—new and improved HP

bond papers with ColorPRO Technology and HP Recycled Bond Paper, made of 100% recycled base paper.
- Optimize blueprints—use this printer's new printing mode for generic natural tracing paper.

Print confidently with a reliable, secure solution

- A busy network is not a problem anymore— thanks to 32 GB of memory for file processing and reliable In-printer processing architecture.
- Secure connectivity with built-in Gigabit Ethernet networking and secure IPsec and IPv6. A Linux PS driver offers additional support for Linux users.[4]
- Trusted security—use advanced access controls via the embedded Web server; secure disk erase and the external hard disk accessory[5] provide even more security.
- Do more with your printer with PostScript capabilities.[4] And experience greater operating system support with original HP-GL/2 and RTL.
- Manage your printer fleet and costs with HP Web Jetadmin, embedded Web server and the HP accounting tool.

ecoHIGHLIGHTS

HP DESIGNJET T1200 PRINTER

- Save paper with two roll configuration, print image nesting, blank print area detection, image auto-rotate and realistic print previews
- Less ink wasted thanks to efficient installation and maintenance routines
- Free, convenient cartridge and printhead recycling[1]
- Supports 100% recycled HP media
- ENERGY STAR® Qualified Product

[1] In more than 45 countries worldwide. Please check www.hp.com/recycle for details

www.hp.com/ecosolutions   Please recycle your computing hardware and supplies. Find out how at our website.

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1) Improve your productivity with automatic switching among 2 rolls.
2) HP-GL/2 addressable
3) Serif PosterDesigner Pro for HP is an optional software accessory to be purchased separately.
4) Available on the HP Designjet T1200 PostScript Version Printer only. Support in English.
5) The 160 GB external hard disk drive accessory is an optional accessory to be purchased separately. This accessory is intended to replace the printer's internal hard disk as the repository of personal data, and can be removed from the printer and stored in a secure place.

HP DESIGNJET T1200
PRINTER SERIES

TECH 2000, INC.

TECHNICAL SPECIFICATIONS

Print Speed[1]	
Line drawings[2]	Fast: 28 sec/page on D/A1, 103 D/A1 prints per hour
Color images	Fast: 549 ft²/hr (51 m²/hr)[2]
	Best: 33.3 ft²/hr (3.1 m²/hr)[3]

Printing	
Print resolution	Up to 2400 x 1200 optimized dpi
Margins	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) (borderless on photo papers)
(top x bottom x left x right)	**Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in (5 x 16.75 x 5 x 5 mm)
Technology	HP Thermal Inkjet
Ink types	Dye-based (C, M, Y, G, PK); pigment-based (MK)
Ink colors	Cyan, gray, magenta, matte black, photo black, yellow
Ink drop	6 pl (C, M, PK, G), 9 pl (Y, MK)
Ink cartridge size	300 ml (matte black)
	130 ml (cyan, gray, magenta, matte black, photo black, yellow)
	69 ml (cyan, gray, magenta, photo black, yellow)
Printheads	3 (matte black and yellow, magenta and cyan, gray and photo black)
Line accuracy	+/- 0.1%[4]
Minimum line width	0.0008 in (0.02 mm) (HP-GL/2 addressable)
Guaranteed minimum line width	0.0024 in (0.06 mm) (ISO/IEC 13660:2001(E))[5]
Maximum print length	300 ft (91 m) (OS and application dependent)

Media	
Handling	Sheet feed; two automatic roll feeds; automatic roll-switching; automatic cutter
Types	Bond and coated papers, technical papers, films, photographic papers, backlit materials, self-adhesive materials
Weight	60 to 328 g/m²
Size	8.26 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm) sheets
	11 to 44 in (27.94 to 111.76 cm) rolls
Thickness	Up to 11.8 mil

Memory	
	32 GB dedicated file-processing memory, 160 GB hard disk[7]

Connectivity	
Interfaces (standard)	1 Gigabit Ethernet (1000Base-T) port, 1 Hi-Speed USB 2.0 certified port, 1 EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	**Base model:** HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI
	PostScript Version Printer: Adobe® PostScript® 3™, Adobe PDF 1.7, TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI
Drivers (included)	HP-GL/2, HP-RTL, PostScript[6] drivers for Windows® (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI , PostScript[6] drivers for Mac OS X and Linux[6]; support for Citrix XenApp and Citrix XenServer environments

Recommended system requirements	
Mac	Mac OS X v 10.4, Mac OS X v 10.5: PowerPC G4, G5, or Intel Core Processor; 1 GB RAM; 2 GB available hard disk space
Windows	Windows XP® (SP2 or later): Intel® Pentium® family or AMD® K6/Athlon/Duron family (1 GHz), 1 GB RAM, 2 GB available hard disk space; Windows Vista®: 32-bit (x86) or 64-bit (x64) processor (1 GHz), 2 GB RAM, 2 GB available hard disk space

Dimensions (w x d x h)	
Printer	69.7 x 28.4 x 41.3 in (1770 x 722 x 1050 mm)
Shipping	75.98 x 30.16 x 30.7 in (1930 x 766 x 778 mm)

Weight	
Printer	189 lb (86 kg)
Shipping	253 lb (115 kg)

What's in the box	
	Printer, printheads (3 x 2 colors each), introductory ink cartridges, 44-in stand, 44-in spindle, Quick Reference Guide, setup poster, Serif PosterDesigner Pro for HP poster, start-up software, power cord

Environmental ranges	
Operating temperature	41 to 104° F (5 to 40° C)
Recommended operating temperature	59 to 95° F (15 to 35° C) (depending on paper type)
Storage temperature	-13 to 131° F (-25 to 55° C)
Recommended operating humidity	20 to 80% RH (depending on paper type)
Storage humidity	0 to 95% RH

Acoustic	
Sound pressure, active	46 dB(A)
Sound pressure, standby	26 dB(A)
Sound power, active	6.2 B(A)
Sound power, standby	4.4 B(A)

Power consumption	
Maximum	120 watts
Powersave	< 7 watts (< 25 watts with embedded DFE)
Off	0.1 watts
Power requirements	Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

Certification	
Safety	USA and Canada (CSA certified); EU (LVD and EN60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP, FEMP
ENERGY STAR® qualified models	see: http://www.hp.com/go/energystar

Warranty	
	One-year limited hardware warranty

ORDERING INFORMATION

Product	
CH538A	HP Designjet T1200 44-in Printer
CK834A	HP Designjet T1200 44-in PostScript Version Printer

Accessories	
Q6709A	HP Designjet 44-inch Roll Feed Spindle
CN501A	HP Designjet External Hard Disk
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN088A	Serif PosterDesigner Pro for HP
CN454A	SCP reprocontrol for HP (1 printer)
CN455A	SCP reprocontrol for HP (2 printers)

Original HP printheads	
C9380A	HP 72 Gray and Photo Black Printhead
C9383A	HP 72 Magenta and Cyan Printhead
C9384A	HP 72 Matte Black and Yellow Printhead

Original HP ink cartridges	
C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Gray Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Gray Ink Cartridge
CH575A	HP 726 300-ml Matte Black Ink Cartridge

Original HP printing materials	
Q6627A	HP Super Heavyweight Plus Matte Paper 210 g/m², 36 in x 100 ft/914 mm x 30,5 m
Q6628A	HP Super Heavyweight Plus Matte Paper 210 g/m², 42 in x 100 ft/1067 mm x 30,5 m
C6030C	HP Heavyweight Coated Paper 130 g/m², 36 in x 100 ft/914 mm x 30,5 m
C6569C	HP Heavyweight Coated Paper 130 g/m², 42 in x 100 ft/1067 mm x 30,5 m
Q1956A	HP Heavyweight Coated Paper 130 g/m², 42 in x 225 ft/1067 mm x 67,5 m
C6019B	HP Coated Paper 90 g/m², 24 in x 150 ft/610 mm x 45,7 m
C6020B	HP Coated Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m
C6980A	HP Coated Paper 90 g/m², 36 in x 300 ft/914 mm x 91,4 m
C1860A	HP Bright White Inkjet Paper 90 g/m², 24 in x 150 ft/610 mm x 45,7 m **now with ColorPRO Technology**
C1861A	HP Bright White Inkjet Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m **now with ColorPRO Technology**
C6810A	HP Bright White Inkjet Paper 90 g/m², 36 in x 300 ft/914 mm x 91,4 m **now with ColorPRO Technology**
Q1397A	HP Universal Bond Paper 80 g/m², 36 in x 150 ft/914 mm x 45,7 m **now with ColorPRO Technology**
C3868A	HP Natural Tracing Paper 90 g/m², 36 in x 150 ft/914 mm x 45,7 m
C3875A	HP Clear Film 174 g/m², 36 in x 75 ft/914 mm x 22,9 m
51642B	HP Matte Film 160 g/m², 36 in x 125 ft/914 mm x 38,1 m
Q1427A	HP Universal High-gloss Photo Paper 190 g/m², 36 in x 100 ft/914 mm x 30,5 m
Q1421A	HP Universal Semi-gloss Photo Paper 190 g/m², 36 in x 100 ft/914 mm x 30,5 m
CG459A	HP Premium Matte Photo Paper 210 g/m², 24 in x 100 ft/610 mm x 30,5 m
CG460A	HP Premium Matte Photo Paper 210 g/m², 36 in x 100 ft/914 mm x 30,5 m
C7960A	HP Reverse Print Matte Backlit Film 160 g/m², 36 in x 75 ft/914 mm x 22,9 m
Q8834A	HP Self-adhesive Gloss Polypropylene 120 g/m², 36 in x 75 ft/914 mm x 22,9 m
CG886A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 24 in x 100 ft/610 mm x 30,5 m
CG887A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 36 in x 100 ft/914 mm x 30,5 m
CG888A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 42 in x 100 ft/1067 mm x 30,5 m
CG883A	HP Cockle-free Coated Paper 100 g/m², 24 in x 150 ft/610 mm x 45,7 m
CG884A	HP Cockle-free Coated Paper 100 g/m², 36 in x 150 ft/914 mm x 45,7 m
CG885A	HP Cockle-free Coated Paper 100 g/m², 42 in x 150 ft/1067 mm x 45,7 m
CG889A	HP Recycled Bond Paper 80 g/m², 24 in x 150 ft/610 mm x 45,7 m **made of 100% recycled base paper**
CG890A	HP Recycled Bond Paper 80 g/m², 36 in x 150 ft/914 mm x 45,7 m **made of 100% recycled base paper**
CG891A	HP Recycled Bond Paper 80 g/m², 42 in x 150 ft/1067 mm x 45,7 m **made of 100% recycled base paper**

HP Care Pack Services	
US237E	HP 3-year Next Business Day Onsite Support
H4518E	HP Installation Services with Network Setup
US234E	HP 3-year Next Business Day Onsite Support (9x5)
US230E	HP 3-year Next Business Day Onsite Support (13x5)
US236E	HP 4-year Next Business Day Onsite Support
US235E	HP 5-year Next Business Day Onsite Support

For more HP large-format printing materials and sizes please visit us online at:
www.hp.com/go/designjet/supplies

[1] Mechanical printing time
[2] Printed on plain media with Economode on
[3] Printed on glossy media
[4] +/-0.1% of the specified vector length or +/-0.1 mm (whichever greater) at 73° F (23° C), 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film
[5] Measured on HP Matte Film
[6] Only supported through the HP Designjet T1200 44-in PostScript Version Printer
[7] 384 MB RAM Memory

FOR MORE INFORMATION, VISIT OUR WEBSITE AT
WWW.TECH2000.NET OR CALL 301-340-7264

hp ®

HP Designjet Z2100 Photo Printer series $2,895.00/$4,795.00

For professionals who need to deliver stunning and compelling output that lasts, the HP Designjet Z2100 Photo Printer series delivers superior quality, durability and consistency. Count on HP for printing that's compelling and predictable.

Impressive prints that last

Get vivid, long-lasting quality with HP Vivera pigment inks.

- **Output spectacular high-quality color photos, renderings and presentations.** HP 70 Vivera pigment inks with an 8-ink printing system achieve consistently outstanding image quality. The precisely placed 4 and 6 pl ink drops, along with resolution of 2400 dpi, highlight even the most intricate details.

- **Water-resistant prints resist fading.** Your photos, posters, presentations and maps will be water-resistant[1] and will resist fading for over 200 years[2] on a range of basic and specialty media.

- **The Three-black ink set (matte black, photo black and light gray).** Ensure true neutral tones and rich, deep blacks. You can even print on matte or glossy paper without having to waste time and ink exchanging cartridges.

Breakthrough color

Achieve consistent and accurate color.

- **Expect superior and consistent color from print to print.** The first-ever embedded spectrophotometer with i1 color technology enables the printer to automatically generate custom ICC profiles for your preferred paper and calibrates the printer to deliver print-to-print and printer-to-printer repeatability.

- **Present projects on media that supports your vision.** Achieve consistent colors on a wide range of papers. Choose from over 30 new HP papers and other readily available media.

- **Fast color stability covers a broad gamut.** Output stable proofs in less than 5 minutes and with over 80% PANTONE® coverage,[3] including full compliance with prepress standards.

- **Glide effortlessly through color management and printing** with the HP Color Center tool.

True print confidence

Print with greater confidence, thanks to dependable HP technologies.

- **Achieve flawless output every time.** To ensure dependable and consistent image quality every time, the drop-ejection performance of every nozzle is periodically and automatically tested with an Optical Drop Detector.

- **Eliminate trial and error with real-time layout and orientation preview.** Take the guesswork out of margins. Save time and materials.

- **Spend less time waiting.** The new and powerful internal processor uses 128 MB of standard memory and a 40 GB hard disk so that productivity is high, even for very complex prints. And thanks to HP Vivera pigment inks, the output dries instantly and can be used as soon as it has been printed.

- **Benefit from HP Services.** A number of complimentary services are provided to assist you during installation and throughout your printing workflow. For enhanced assistance, purchase from the extensive portfolio of service options available.

[1] Water resistance ratings tested by HP Image Permanence Lab on a range of HP media with Original HP 70 Vivera pigment inks. For details: www.hp.com/go/supplies/printpermanence

[2] Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. For details: http://www.hp.com/go/supplies/printpermanence

[3] HP's preliminary, internal results have shown that the HP Designjet Z Photo Printer series is capable of successfully simulating over 80% of the PANTONE colors. HP Designjet Z2100 and Z3100 Photo Printers are pending PANTONE-licensing

HP Designjet Z2100 Photo Printer series

1. LCD front panel and direct access keys for ink supply maintenance and print message alerts

2. Front bypass slot accommodates media up to 24 in./610 mm wide (24-inch printer) or up to 44 in./1117 mm (44-inch printer)

3. Mounted on the carriage, the embedded spectrophotometer brings accurate profiling and precision color calibration

4. Rear USB 2.0 High Speed and 10/100 BT Ethernet connection for TCP/IP. Free slot for additional network connectivity with 1 EIO HP Jetdirect card

5. Rear bypass slot handles heavy and rigid media of weights up to 500 g/m^2 and thickness up to 0.8 mm

6. Roll feed (located at the back of the printer) feeds rolls up to 24 in./610 mm wide (for 24-inch printer) or up to 44 in./1117 mm (for 44-inch printer) and 300 ft/91 m long

7. Media bin

8. HP Vivera pigment ink set with 4 pl and 6 pl drop size for prints that resist fading for over 200 years
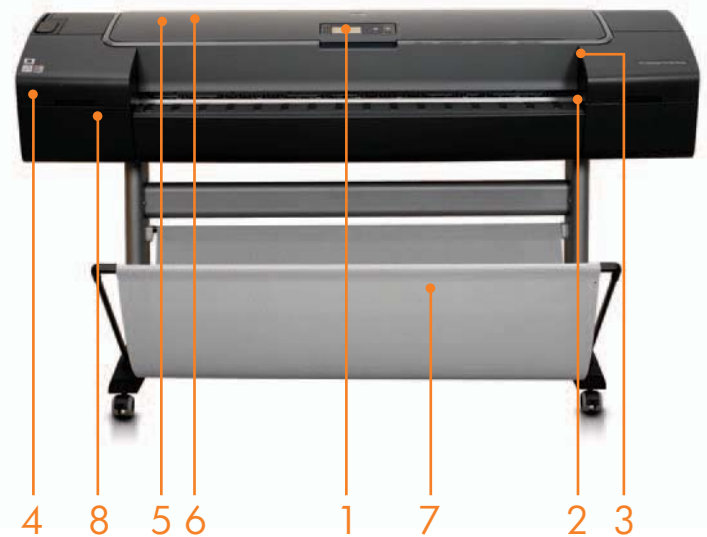
Optional accessories

HP-GL/2 Upgrade Kit. For CAD customers that need improved line quality and network availability with the HP-GL/2 software key. The printer, rather than the computer, processes files for improved operating efficiency. Store and reprint files from the printer queue and print legacy HP-GL/2 files.

The HP Advanced Profiling Solution, powered by X-Rite technology, offers a color management system that works in combination with the spectrophotometer embedded in the printer. This automated solution enables you to perform: monitor profiling and calibration, ambient light and monitor-profile validation, RGB and CMYK profiling with optimized inkjet separations for HP Media in addition to the most common separations (Inkjet 260 and 400) and rigorous fine-tuning of printer color profiles. A very intuitive profile-editing wizard lets you match colors to various viewing conditions that use non-standard illuminants.

Additional 24- and 44-inch spindles make life easier for professional photographers and graphic designers, spare spindles mean that they can have different media types ready to load. Also available, for design professionals such as architects, engineers and GIS specialists, is an additional 44-inch spindle for easy switching between technical media rolls. This technical media spindle is recommended for use with Plain, Bright White Bond, Coated, Natural Tracing and Translucent Bond papers and Vellum.

The Efi Designer Edition 5.1 XL for HP is the recommended RIP and proofing application for your HP Designjet printer. Integrating this enables CMYK workflow support, PostScript® & PDF printing and accurate spot color management for designers, photographers and other creative professionals. A powerful, yet cost-effective digital proofing system that allows full control over digital proofing needs to speed up workflows, saving both time and money.

Services

A number of standard services come in the printer box to enable you to print with confidence right from the start:

- **HP Start-up Kit:** Enables you to easily install the printer on your own. Includes: drivers for both Mac® and Windows,® multimedia training in how to operate the printer and PDF user manuals for easier consultation.

- **Online HP Knowledge Center:** Fit your printer into your workflow. Benefit from multimedia training sessions, step-by-step guides, access to relevant forums and blogs, contact details for HP support and information on the latest drivers and firmware.

- **HP Easy Printer Care (Windows) or Printer Utility (Mac):** This feature tells you how your printer is doing by sending you alerts on everything from job accounting to color control.

See **www.hp.com/go/graphic-arts** for full details on all services.

For enhanced services, purchase from the HP Professional Graphic Services portfolio, which includes:

- **HP Installation Care Pack Services:** Makes it easy to get your printer up and running in minimum time. Stand alone and network options available.

- **HP Color Expert Service powered by X-Rite Color Services:** Problems getting the right color from your printer? Call one phone number for immediate, reliable answers to all of your questions on color, color management software and hardware, RIPs, design applications, output devices, drivers and operating systems.

- **HP Care Pack and Post-Warranty Services:** Reduce downtime and mitigate the risk of unbudgeted repair costs. 3-5 year warranty extensions available.

See back page for ordering information and visit **www.hp.com/go/pgs** for more details on all options.

HP Vivera Pigment Inks

LM M LC C

Y LG PK MK

HP Media

HP Printhead

HP Embedded Spectrophotometer

Key technologies

HP Vivera pigment inks offer outstanding image quality and fade resistance on a wide variety of photo and fine art media, along with water resistance on a range of HP creative and specialty media. HP's proprietary Electrostatic Encapsulation Technology optimizes the pigment chemistry and ink properties for stability and performance to ensure a broad color gamut, print permanence, excellent gloss uniformity and reliable, accurate and consistent printing.

The HP embedded spectrophotometer with i1 Color Technology from X-Rite is mounted on the printer carriage and revolutionizes professional color workflows by automating media profiling. It allows users to automatically generate custom RGB ICC profiles for their preferred media and provides accurate measurements for printer calibration that delivers print-to-print and printer-to-printer color consistency. Also, with the optional HP Advanced Profiling Solution, you can edit and modify existing profiles and create CMYK profiles.

HP's 8-ink printing system is made up of the exclusive HP Vivera pigment ink formulation technology with HP 70 Printheads, each printing two colors of ink with 1,056 nozzles per color and the HP Three-black ink set. Ensures exceptional color accuracy and consistency: a valuable tool for graphic designers and prepress professionals who need repeatable results. The HP Designjet Z series are also the first large-format printers to employ HP Scalable Printing Technology, providing superior reliability and optimized ink consumption.

An extensive media portfolio: HP offers a portfolio of 9 photo papers, 10 digital fine art papers, 3 proofing papers, 9 bond and coated papers and over 30 other HP media. All have been tested with HP 70 Vivera pigment inks to deliver consistent, museum-quality prints that withstand the demands of handling, display and storage expected of professional prints.

High-quality creative prints, prepress proofs and technical images

Proofing
- Have proofs approved in record time: colors stabilize in less than 5 minutes.
- Print consistent and accurate colors across a wide range of media, thanks to automated printer calibration and ICC profiling.

- Produce high-quality black-and-white proofs: The 8 HP Vivera pigment inks include three blacks that give excellent gray neutrality.

Display graphics
- Print full-color, long-lasting posters, banners and displays on a wide range of media.
- Create persuasive marketing collateral, point-of-sales material and tradeshow displays with photo-quality images and consistent, accurate colors.

Design
- Make an impact by presenting concepts in large format and with accurate colors right from the start of your project. The printer covers over 80% of PANTONE colors.
- Get consistent colors, print after print and from one printer to another, thanks to automated printer calibration.

Technical presentations
- Produce impressive renderings and presentation panels with superior quality, consistency and durability.
- Three-black ink allows for greater realism in renderings with metal or stone.
- Images are smudge-resistant to minimize damage from repeated handling.

Commercial photography
- Create neutral black and white prints. No need to waste ink when changing between matte and glossy papers: all three blacks are always on board.
- Produce consistent and accurate color photo proofs, thanks to the printer's built-in calibration technology and broad color gamut.
- Print on almost any media—the printer creates media profiles for you and you can use thick stock of up to 500 g/m^2.

Mapping
- Maps and satellite images show more detail and gradations thanks to small drop size and precise placement.
- Output resists fading and is water-resistant, so maps can be used in the field.
- Colors are consistent, so subtle differences can be seen and studied over time.

HP Designjet Z2100 Photo Printer series

Technical specifications

Print Speed

Best	15 min/page on D/A1 or up to 17 ft²/h (color image on glossy paper) 9.8 min/page on D/A1 or up to 31 ft²/h (color image on coated paper)
Normal	7.9 min/page on D/A1 or up to 38 ft²/h (color image on glossy paper) 4.2 min/page on D/A1 or up to 72 ft²/h (color image on coated paper)
Draft	5.8 min/page on D/A1 or up to 52 ft²/h (color image on glossy paper) 2.0 min/page on D/A1 or up to 150 ft²/h (color image on coated paper)

Resolution

Best (Color and B&W)	2400 x 1200 optimized dpi
Normal (Color and B&W)	600 x 600 dpi
Draft (Color and B&W)	600 x 600 dpi
Memory	**HP Designjet Z2100 24-inch Photo Printer:** 128 MB Standard memory, 40 GB hard disk **HP Designjet Z2100 44-inch Photo Printer:** 128 MB Standard memory, 40 GB hard Disk

Media

Handling	Sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Types	Photographic paper (satin, gloss, semi-gloss, matte), proofing paper (high-gloss, semi-gloss, matte), fine art printing material (canvas, smooth, textured, watercolor), self-adhesive and vinyl (polypropylene, vinyl), sign and banner (display film, banner, scrim, polypropylene, Tyvek®, outdoor paper), bond and coated (bond, coated, heavyweight coated, super heavyweight coated)
Maximum weight	500 g/m²
Size	**HP Designjet Z2100 24-inch Photo Printer** All standard sizes larger than Letter/A4 up to 24 in./610 mm wide **HP Designjet Z2100 44-inch Photo Printer** All standard sizes larger than Letter/A4 up to 44 in./1117 mm wide
Maximum external roll diameter	5.3 in./136 mm
Maximum roll length	300 ft/91 m

Printing

Margins (top x bottom x right x left)	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 x 5 mm (full bleed available on glossy roll media) **Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in./5 x 17 x 5 x 5 mm
Technology	HP Vivera pigment inks, HP Three-black ink set, HP Embedded Spectrophotometer
Ink cartridge colors	Light cyan, light magenta, light gray, photo black, cyan, magenta, yellow, matte black
Ink types	HP Vivera pigment inks
Ink drop	4 pl (light cyan, light magenta, light gray, photo black), 6 pl (cyan, magenta, yellow, matte black)
Ink cartridge size	130 ml ink cartridges; 130 ml ink cartridge twin packs also available
Nozzles	2 colors per printhead, 1056 nozzles per color
Maximum print length	300 ft/91 m (OS and application dependent)
Line accuracy	+/- 0.2 %[4]
Light fastness	Over 200 years fade resistance
Water resistance	Water-resistant on a range of HP creative and specialty media
Connectivity	**Standard:** One 10/100 BT Ethernet, One USB 2.0 high-speed certified port, One EIO Jetdirect accessory slot **Optional:** HP Jetdirect EIO print servers
Print languages	**Standard:** HP PCL3GUI **Optional:** PS via optional software RIP, HP-GL2/RTL optional software solution

Image quality

Color accuracy	Median <1.6 dE2000, 95% of colors <2.8 dE2000[5]
Short term color stability	<1 dE2000 in less than 5 minutes[6]
Long term print-to-print repeatability	Average <0.5 dE2000, 95% of colors <1.4 dE20004
Maximum optical density	L* / 2.4 D[7]

Environmental ranges

Operating temperature	41 to 104°F/5 to 40°C
Recommended operating temperature	59 to 95°F/15 to 35°C
Storage temperature	-13 to 131°F/-25 to 55°C
Recommended operating humidity	20 to 80% RH
Recommended storage humidity	0 to 95% RH

Acoustic

Sound pressure	**Active** 44 dB(A) **Standby** 29 dB(A)
Sound power	**Active** 6.5 B(A) **Standby** 4.4 B(A)

Power consumption

Active	200 watts
Maximum	200 watts
Powersave	27 watts
Standby	43 watts
Power requirements	Input voltage auto-ranging 100 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz), 2 Amp max

Certification

Safety	IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI
Electromagnetic	Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI)
Energy Star® Compliant	Yes, ENERGY STAR® qualified models; see: http://www.hp.com/go/energystar
Press standard	100% coverage of SWOP, ISO and GRACOL, and 3DAP

Warranty

Warranty	1 year warranty with on-site, next business day service	
Warranty extensions	UF028PE	HP 1-Year Post Warranty Next Business Day Onsite Service
	HC132PE	HP Technical Phone Support
HP Care Pack Services	UF017E	HP 3-Year Next Business Day Onsite Service
	UF018E	HP 4-Year Next Business Day Onsite Service
	UF019E	HP 5-Year Next Business Day Onsite Service
	H7604E	HP Installation Service
	H4518E	HP Installation with Network Configuration
Color Services	UF050E	HP Color Expert Service 1-Year/5 cases
	UF315E	HP Color Expert Service 1-Year/1 case

[4] +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever is greater) at 23°C (73°F), 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film roll feed
[5] ICC absolute colorimetric accuracy on HP Proofing Matte paper
[6] With HP Premium Instant-dry Photo Satin media, right after calibration
[7] With HP Premium Instant-dry Photo Gloss media

Recommended system requirements

Macintosh	Mac OS X v10.2, v10.3, v10.4 and later, PowerPC G4, G5, or Intel® Core Processor, 1 GB RAM, 2 GB available hard disk
Windows	Microsoft® Windows XP or 2000: Pentium® IV, 3 GHz, 1GB RAM, 2 GB available hard disk

Dimensions (w x d x h)

Printer with stand	**HP Designjet Z2100 24-inch Photo Printer** 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm **HP Designjet Z2100 44-inch Photo Printer** 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm
Shipping dimensions	**HP Designjet Z2100 24-inch Photo Printer** 57.8 x 30.7 x 29.1 in./1470 x 780 x 740 mm **HP Designjet Z2100 44-inch Photo Printer** 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm

Weight

Printer with stand	**HP Designjet Z2100 24-inch Photo Printer** 143 lb/65 kg **HP Designjet Z2100 44-inch Photo Printer** 189 lb/86 kg
Shipping weight	**HP Designjet Z2100 24-inch Photo Printer** 225 lb/102 kg **HP Designjet Z2100 44-inch Photo Printer** 271 lb/123 kg

What's in the box

HP Designjet Z2100 24-inch Photo Printer: spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (24 in. x 15 ft), stand (24 in.), rear tray (24 in.), adaptor 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

HP Designjet Z2100 44-inch Photo Printer: spindle, technical spindle, printheads (4 x 2 colors), introductory ink cartridges, media high gloss photo sample roll (36 in. x 15 ft), stand (44 in.), rear tray (44 in.), 3-inch KIT for spindle (2), quick reference guide, set-up poster, USB cable, power cord, HP Start-up kit including printer software and training

Ordering information

Product
Q6675A HP Designjet Z2100 24-inch Photo Printer
Q6677A HP Designjet Z2100 44-inch Photo Printer

Accessories
Q6643D EFI Designer 5.1 for HP XL International
Q6692B HP GL/2 Upgrade Kit for the HP Designjet Z2100/Z3100 Photo series
Q6695A HP Advanced Profiling Solution International
Q6698A HP Designjet ZX100 44-inch Spindle for printing on technical media
Q6699A HP Designjet ZX100 44-inch Spindle for graphics (spare, for easy media switching)
Q6700A HP Designjet ZX100 24-inch Spindle for graphics (spare, for easy media switching)

Printing supplies
Printheads
C9404A HP 70 Matte Black & Cyan Printhead
C9405A HP 70 Light Magenta & Light Cyan Printhead
C9406A HP 70 Magenta & Yellow Printhead
C9407A HP 70 Photo Black & Light Gray Printhead

130 ml ink cartridges
C9448A HP 70 Matte Black 130 ml Ink Cartridge
C9449A HP 70 Photo Black 130 ml Ink Cartridge
C9451A HP 70 Light Gray 130 ml Ink Cartridge
C9452A HP 70 Cyan 130 ml Ink Cartridge
C9453A HP 70 Magenta 130 ml Ink Cartridge
C9454A HP 70 Yellow 130 ml Ink Cartridge
C9455A HP 70 Light Magenta 130 ml Ink Cartridge
C9390A HP 70 Light Cyan 130 ml Ink Cartridge

Ink cartridge twin packs
CB339A HP 70 Matte Black 130 ml Ink Cartridge Twin Pack
CB340A HP 70 Photo Black 130 ml Ink Cartridge Twin Pack
CB342A HP 70 Light Gray 130 ml Ink Cartridge Twin Pack
CB343A HP 70 Cyan 130 ml Ink Cartridge Twin Pack
CB344A HP 70 Magenta 130 ml Ink Cartridge Twin Pack
CB345A HP 70 Yellow 130 ml Ink Cartridge Twin Pack
CB346A HP 70 Light Magenta 130 ml Ink Cartridge Twin Pack
CB351A HP 70 Light Cyan 130 ml Ink Cartridge Twin Pack

Media supplies
Q7991A HP Premium Instant-dry Gloss Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q7992A HP Premium Instant-dry Satin Photo Paper 24 in. x 75 ft/610 mm x 22.9 m
Q6626A HP Super Heavyweight Plus Matte Paper 24 in. x 100 ft/610 mm x 30.5 m
C6029C HP Heavyweight Coated Paper 24 in. x 100 ft/610 mm x 30.5 m
C6775A HP Colorfast Adhesive Vinyl 36 in. x 40 ft/914 mm x 12.2 m
Q1898B HP Opaque Scrim 36 in. x 50 ft/914 mm x 15 m
C6787A HP Banners with Tyvek® 36 in. x 50 ft/914 mm x 15 m
Q7973A HP Matte Litho-realistic Paper 36 in. x 100 ft/914 mm x 30.5 m
Q8663A HP Professional High-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q7971A HP Professional Semi-gloss Contract Proofing Paper 24 in. x 100 ft/610 mm x 30.5 m
Q1968A HP Proofing Matte 24 in. x 100 ft/610 mm x 30.5 m
Q8732A HP Hahnemühle Smooth Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q8736A HP Hahnemühle Textured Fine Art Paper 265 g/m² 24 in. x 35 ft/610 mm x 10.7 m
Q1984A HP Hahnemühle Watercolor Paper 36 in. x 38 ft/914 mm x 11.58 m
Q8741A HP Aquarella Art Paper 24 in. x 35 ft/610 mm x 10.7 m

More HP media sizes and weights available at **www.hp.com/go/designjet/supplies**
More information on products, technologies and services available at **www.hp.com/go/graphic-arts**

4AA1-0413ENUC, Rev. 1, February 2008 for more information visit our website at WWW.TECH2000.NET OR CALL 301-340-7264

hp invent

HP Designjet Z3200 Photo Printer series $3,395.00/$4,695.00/$6,155.00/$7,475.00

This 12-ink HP Designjet, with new HP 73 Chromatic Red ink, delivers long-lasting gallery-quality prints in black and white and color. It enables easy calibration and profiling with its embedded spectrophotometer[1] and also delivers great ink efficiency[2].

Produce gallery-quality black-and-white and color prints

- Color and black-and-white print permanence of 200 years[3] on a range of HP and HP Hahnemühle papers.
- Beautiful black-and-white prints have smooth transitions, true neutral grays thanks to the HP Quad-black ink set.
- Get exceptional gloss uniformity and minimize bronzing on most glossy photo papers with HP Gloss Enhancer.[4]
- This printer's expanded color gamut achieves 95% PANTONE® coverage[5] enabled by its new chromatic red ink.
- Over 50 HP papers supported, from photo and fine art papers to coated and display-graphic printing materials.

The HP Designjet Z3200 Photo Printer series is ideal for professional photographers, digital fine artists, print service providers, graphic designers, and pre-press professionals who want to create:

- Gallery-quality prints
- Portraits
- Limited editions
- Albums
- Art reproductions
- Large-format designs
- Proofs

Easily calibrate and profile with HP DreamColor Technologies

- Calibration and profiling are made simple with HP DreamColor Technologies and embedded spectrophotometer.[1]
- Expect consistent color from print to print regardless of fluctuating environmental conditions.
- Simplify workflows: easily access, create, and share paper presets[6] using the enhanced HP Color Center.
- Get questions answered with the HP Knowledge Center, and control color settings with Adobe® Photoshop®.[7]

Achieve productive operation and great ink efficiency[2]

- Expect always-on quality with proactive automatic servicing routines that result in great ink efficiency.[2]
- Optical Drop Detector (ODD) prevents nozzle clogging- and, as a result, printing errors and media waste.
- Rich, dark blacks on matte and glossy papers—and you don't have to swap cartridges.
- This printer contains an HP Embedded Web Server, print previews, and other efficiency-enhancing features. Embedded TIFF, JPEG, and Adobe PS3/PDF RIP—enables direct job submission, queuing, nesting capabilities[8] for a more efficient operation so you save time and money.
- Preserve resources and your budget. Predictable, reliable printing leads to more efficient printing, which is good for your business and can reduce the impact of printing on the environment.

WHAT DO YOU HAVE TO SAY?

Create leading gallery-quality black-and-white and color prints with the Vivera Color Ink System

COLOR

12-ink system with

new HP 73 Chromatic Red
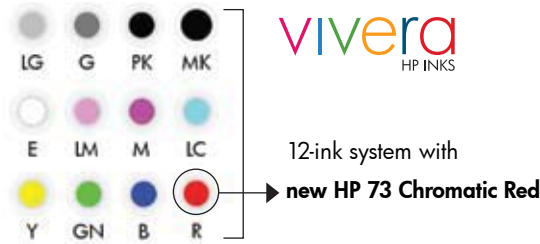
- Excellent gloss uniformity and minimal bronzing on glossy and semi-glossy papers thanks to HP Gloss Enhancer

B&W

Competition's 3-black system | HP Quad-black inks

- Composite grays are not truly neutral
- Metamerism

- Neutral grays
- True rich deep blacks

NEW RED

- The new HP 73 Chromatic Red ink provides a wide color gamut that meets the needs of photographers, graphic artists, and pre-press professionals alike.

The color gamut chart above shows in detail the wider gamut of reds that the HP Designjet Z3200 Photo Printer (in solid) achieves in comparison to one of its competitors. HP Premium Instant-dry Gloss Photo Paper was used for the demonstration.

Easy calibration and profiling

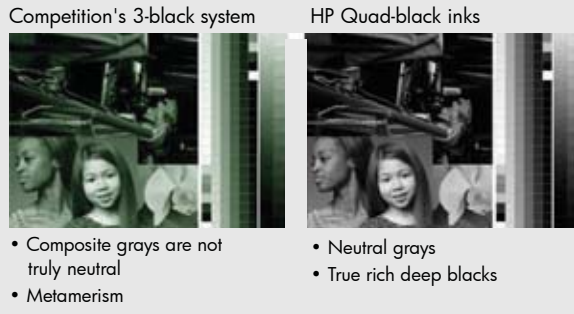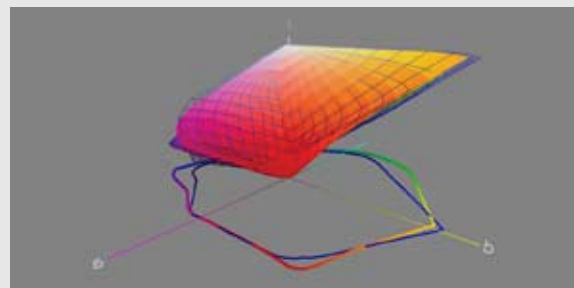The Designjet Z3200's built-in X-Rite spectrophotometer and HP printer linearization and profiling software take the cost, effort, and guesswork out of printer color management. You are never more than a few mouse clicks and 20 minutes away from a professional ICC profile customized for your printer, paper, and environmental conditions. Custom HP profiles make the most of your Designjet's extended color gamut in reds, blues, and greens whether using matte fine art paper, satin or glossy photo paper, canvas, backlit film, or any of a wide range of other compatible substrates. Perfectly neutral black-and-white prints with extended tonal range, fine shadow detail, and continuous tone appearance are all unlocked by custom HP printer profiles.

Add the optional HP/X-Rite Advanced Profiling Solution (standard on PostScript® models) for additional flexibility and functionality such as monitor calibration and profiling, RGB and CMYK printer profiling, profile verification, and profile editing.[8]

Simplify workflows—easily access, create, and share paper presets using the enhanced HP Color Center

An enhanced HP Color Center offers a single point of control for all color-related functions.

From there, you can download or easily create your own Paper Presets, and have the option of more control using advanced settings.

Visit www.hp.com/go/Z3200/paperpresets to find paper presets for HP and other commercially available media.

"Neutral grays and color accuracy are of the utmost importance to my clients. They are very aware of the progress that has been made in digital printing and know that I'm at the forefront of the market. Yet when they see the prints from the HP Designjet Z3200, they are astonished at the incredible quality."

Jack Lowe, Proprietor, Jack Lowe Studio, Newcastle upon Tyne, England

2

	Additional features	Benefits
Save costs	Automatic nesting with margin controls	• Optimize use of media when printing several images
	In-printer processing with embedded TIFF, JPEG, and Adobe PS3/PDF RIP	• Free-up your computer processing time • Print 16-bit TIFF and JPEG images with HP Embedded Web Server's 16- to 8-bit LCED color converter
Advanced color management options	HP Advanced Profiling Solution	• Calibrate your computer monitor (i1 display calibration device included) • Edit RGB and CMYK ICC profiles • More color patches for more sophisticated ICC profiles
	HP Professional PANTONE Emulation	• Accurately achieve in-gamut colors and properly reproduce out-of-gamut colors • Print customized spot color simulation swatch books for the media of your choice
Enhanced for workgroups and remote management	• Driverless direct job submission • Queuing • Storage of files	Manage the printer remotely using HP Embedded Web Server: • Send print jobs to the printer without having to open the image from an application, from any computer (no driver needed). • Easily manage your print job queue. • Store jobs—with various print settings—on the printer for easy, frequent re-prints without ripping

HP Professional PANTONE Emulation

With 95% coverage of PANTONE colors, you can produce accurate spot-color proof prints for your design projects using the HP Designjet Z3200 PostScript printer.

• Assign PANTONE color names to graphical elements in your PS/PDF-capable design application, and have the printer automatically generate matching in-gamut colors and visually optimized equivalents for out-of-gamut colors, using a specific spot color rendering intent not available from standard ICC profiles*.

• Automatically create your own PANTONE swatch book illustrating the closest available match to PANTONE colors for the print medium selected. The printed color swatch comes with a numerical indication of how closely colors match, and the included device color values make it easier to create customized emulations for applications that do not support named colors completely**.

See www.hp.com/go/Z3200/PANTONE for detailed information about this printer's PANTONE coverage.
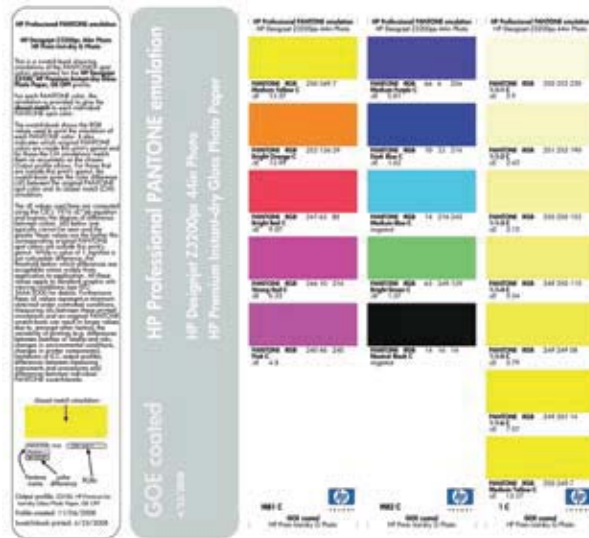
*   For HP Professional PANTONE Emulation to work correctly, design applications must allow the assignment of the correct color name to design elements, and the name must be preserved intact in the PostScript or PDF file passed to a supported RIP with embedded HP Professional PANTONE Emulation technology. Since ink values are calculated based on colorimetric information present in an ICC profile, a correct and up-to-date ICC profile is required for the specific printer, inks, and media being used.
** These may be RGB or CMYK values, depending on your workflow.

HP Designjet Z3200 Photo Printer series

Technical specifications

Print speed[A]

Best	12.4 min/page on D/A1 or up to 27.76 ft²/hr (2.58 m²/hr) on glossy media
Normal	7.2 min/page on D/A1 or up to 47.55 ft²/hr (4.42 m²/hr) on glossy media
	3.8 min/page on D/A1 or up to 92.43 ft²/hr (8.59 m²/hr) on coated media
Draft	2 min/page on D/A1 or up to 182.93 ft²/hr (16.99 m²/hr) on coated media

Printing

Print resolution	Up to 2400 x 1200 optimized dpi
Margins	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in/5 x 5 x 5 x 5 mm (borderless available on glossy/satin roll media)
(top x bottom x left x right)	**Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in/5 x 17 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	HP Vivera pigment inks
Ink colors	12: blue, green, magenta, chromatic red, yellow, gray, photo black, matte black, light cyan, light gray, light magenta, gloss enhancer
Ink drop	4 pl (lc, lm, lg, pK, E, G), 6 pl (M, Y, mK, R, GN, B)
Ink cartridge size	130 ml
Printheads	6
Nozzles	2112 per printhead (2 colors per printhead, 1056 nozzles per color)
Lightfastness	Approximately 200 years[B] fade resistance
Water resistance	Water-resistant on a range of HP creative and specialty media

Image quality

Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[C]
Short term color stability	< 1 dE2000 in less than 5 minutes[D]
Print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[D]
Maximum optical density	4 L* min / 2.5 D[E]

Media

Handling	Sheetfeed, roll feed, automatic cutter (cuts all media except canvas)
Types	Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, film, backlit, fabric/textile
Weight	Up to 133 lb (500 g/m²)
Size	**24-in models:** 8.5 x 11 to 24 x 66 in (216 x 279 to 610 x 1676 mm) sheets; 11 to 24 in (279 to 610 mm) rolls
	44-in models: 8.5 x 11 to 44 x 66 in (216 x 279 to 1118 x 1676 mm) sheets; 11 to 44 in (279 to 1118 mm) rolls
Thickness	Up to 31.5 mil (0.8 mm)

Memory

	256 MB standard memory, 80 GB hard disk

Connectivity

Interfaces (standard)	1 10/100Base-T Ethernet RJ-45 port (1000Base-T for ps models), 1 Hi-Speed USB 2.0 certified port, 1 EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages	**HP Designjet Z3200:** HP PCL 3 GUI
	HP Designjet Z3200ps: Adobe® PostScript® 3™, Adobe PDF 1.6, TIFF, JPEG, HP PCL 3 GUI

Supported operating systems

	Windows® XP Home, XP Professional, XP Professional x64, Vista®, Server 2003, Mac OS X v 10.4 and 10.5

Dimensions (w x d x h)

Printer with stand[F]	**24-in models:** 49.7 x 27.2 x 41.2 in (1262 x 690 x 1047 mm)
	44-in models: 69.7 x 27.2 x 41.2 in (1770 x 690 x 1047 mm)
Shipping	**24-in models:** 57.8 x 30.7 x 29.1 in (1470 x 780 x 740 mm) (NA, LAR, EMEA)
	65.3 x 30.3 x 23.2 in (1660 x 770 x 590 mm) (AP)
	44-in models: 77.3 x 30.7 x 30.7 in (1965 x 780 x 780 mm)

Weight

Printer with stand[F]	**24-in models:** 143 lb (65 kg)
	44-in models: 189 lb (86 kg)
Shipping	**24-in models:** 225 lb (102 kg) (NA, LAR, EMEA); 88.5 kg (195) (AP)
	44-in models: 271 lb (123 kg)

What's in the box

HP Designjet Z3200 Photo Printer, spindle, printheads (6 x 2 colors), introductory ink cartridges (x12), Original HP media roll, stand[F], rear tray, adaptor kit (3 in) for spindle (x2), quick reference guide, setup poster, USB cable, power cord, HP Start-up kit including printer software, HP Advanced Profiling Solution (PostScript models only)

(A Mechanical printing time. Measured on a 44-in model.
(B Display permanence rating by Wilhelm Imaging Research, Inc. on a range of HP creative and specialty media. See www.hp.com/go/supplies/printpermanence
(C ICC absolute colorimetric accuracy on HP Proofing Matte paper
(D With HP Premium Instant Dry Photo Satin media, right after calibration
(E With HP Premium Instant Dry Photo Gloss media
(F Stand not included in the box in Asia Pacific for 24-in models

Ordering information

Product

Q6718A	HP Designjet Z3200 24-in Photo Printer
Q6719A	HP Designjet Z3200 44-in Photo Printer
Q6720A	HP Designjet Z3200ps 24-in Photo Printer
Q6721A	HP Designjet Z3200ps 44-in Photo Printer

Accessories

Q6695A	HP Advanced Profiling Solution Software
Q6700A	HP Designjet Z2100 and Z3x00 24-in Spindle
Q6699A	HP Designjet Z2100 and Z3x00 44-inch Spindle for Graphics

Printheads

C9405A	HP 70 Light Magenta & Light Cyan Printhead
C9406A	HP 70 Magenta & Yellow Printhead
C9407A	HP 70 Photo Black & Light Gray Printhead
C9408A	HP 70 Blue & Green Printhead
CD949A	HP 73 Matte Black & Chromatic Red Printhead
C9410A	HP 70 Gloss Enhancer & Gray Printhead

Ink cartridges

C9448A	HP 70 Matte Black 130 ml Ink Cartridge
C9449A	HP 70 Photo Black 130 ml Ink Cartridge
C9450A	HP 70 Gray 130 ml Ink Cartridge
C9451A	HP 70 Light Gray 130 ml Ink Cartridge
C9453A	HP 70 Magenta 130 ml Ink Cartridge
C9454A	HP 70 Yellow 130 ml Ink Cartridge
C9455A	HP 70 Light Magenta 130 ml Ink Cartridge
CD951A	HP 73 Chromatic Red 130 ml Ink Cartridge
C9457A	HP 70 Green 130 ml Ink Cartridge
C9458A	HP 70 Blue 130 ml Ink Cartridge
C9459A	HP 70 Gloss Enhancer 130 ml Ink Cartridge
C9390A	HP 70 Light Cyan 130 ml Ink Cartridge

Media

Q8840A	HP Professional Satin Photo Paper 300 g/m² – 44 in x 50 ft/1118 mm x 15.2 m
Q7991A	HP Premium Instant-dry Gloss Photo Paper 260 g/m² – 24 in x 75 ft /610 mm x 22.9 m
Q7992A	HP Premium Instant-dry Satin Photo Paper 260 g/m² – 24 in x 75 ft /610 mm x 22.9 m
Q8916A	HP Everyday Pigment Ink Gloss Photo Paper 235 g/m² – 24 in x 100 ft /610 mm x 30.5 m
Q8920A	HP Everyday Pigment Ink Satin Photo Paper 235 g/m² – 24 in x 100 ft /610 mm x 30.5 m
CG459A	HP Premium Matte Photo Paper 210 g/m² – 24 in x 100 ft /610 mm x 30.5 m
CG803A	HP Baryte Satin Art Paper 290 g/m² – 24 in x 50 ft (610 mm x 15.2 m)
CG804A	HP Baryte Satin Art Paper 290 g/m² – 44 in x 50 ft / 1118 mm x 15.2 m
Q7972A	HP Matte Litho-realistic Paper 270 g/m² – 24 in x 100 ft /610 mm x 30.5 m
Q8708A	HP Collector Satin Canvas 400 g/m² – 24 in x 20 ft /610 mm x 6.1 m
Q8673A	HP Professional Matte Canvas 430 g/m² – 24 in x 20 ft /610 mm x 6.1 m
Q8706A	HP Artist Matte Canvas 380 g/m² – 42 in x 50 ft /1067 mm x 15.2 m
Q8732A	HP Hahnemühle Smooth Fine Art Paper 265 g/m² – 24 in x 35 ft /610 mm x 10.7 m
Q8741A	HP Aquarella Art Paper 240 g/m² – 24 in x 35 ft /610 mm x 10.7 m
Q8740A	HP Hahnemühle Textured Fine Art Paper 310 g/m² – 42 in x 35 ft /1067 mm x 10.7 m
Q7971A	HP Professional Semi-gloss Contract Proofing Paper 235 g/m² – 24 in x 100 ft /610 mm x 30.5 m
Q6626A	HP Super Heavyweight Plus Matte Paper 210 g/m² – 24 in x 100 ft /610 mm x 30.5 m
C6030C	HP Heavyweight Coated Paper 131 g/m² – 36 in x 100 ft /914 mm x 30.5 m
Q8748A	HP Premium Vivid Color Backlit Film 285 g/m² – 42 in x 100 ft /1067 mm x 30.5 m
CG815A	HP PVC-free Banner 410 g/m² – 36 in x 50 ft (974 mm x 15.2 m)

HP Care Pack Services

UF035E	3-Year Next Business Day Onsite
UF036E	4-Year Next Business Day Onsite
UF037E	5-Year Next Business Day Onsite
H4518E	HP Installation with Network Setup

For more service options visit: **www.hp.com/go/lookuptool**
HP Care Pack Services call 1-800-633-3600 for service.

For more HP Large Format Media substrates and sizes please visit us online at: **www.hp.com/go/designjet/supplies**

Environmental ranges

Operating temperature	41 to 104° F (5 to 40° C)
Recommended operating temperature	59 to 95° F (15 to 35° C)
Storage temperature	-13 to 131° F (-25 to 55° C)
Recommended operating humidity	20 to 80% RH
Storage humidity	0 to 95% RH

Acoustic

Sound pressure, active	49 dB(A)
Sound pressure, standby	29 dB(A)
Sound power, active	6.5 B(A)
Sound power, standby	4.4 B(A)

Power consumption

Maximum	200 watts
Power requirements	Input voltage (autoranging): 100 to 240 V ac (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 amps max

Certification

Safety	IEC 60950-1 compliant, EU LVD and EN 60950-1 compliant, certified by CSA for Canada and US, Argentina IRAM, Singapore PSB, Russia GOST, China CCIB, Taiwan BSMI
Electromagnetic	Compliance for Class B products: EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Korea (MIC) and Taiwan (BSMI)
ENERGY STAR® qualified models	see: http://www.hp.com/go/energystar

Warranty

Warranty Support call 1-800-HP INVENT	One-year warranty with onsite, next business-day service

Footnotes

1 Embedded in this HP Designjet Photo Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

2 Based on internal HP testing, the HP Designjet Z3200 Photo Printer series utilizes at least 30% less ink during routine maintenance operations versus select printers from other vendors.

3 Image permanence estimates by HP Image Permanence Lab based on testing on a range of HP photo, fine art, and specialty papers: confirmation tests in progress at Wilhelm Imaging Research, Inc. For details, see www.hp.com/go/supplies/printpermanence.

4 Bronzing is minimized as an image-quality issue when HP gloss enhancer is used. HP gloss enhancer can be used on photo paper, with the exception of matte-finish papers.

5 95% coverage of PANTONE MATCHING SYSTEM® and PANTONE Goe™ System, based on HP internal testing (PANTONE approval pending). Please visit www.hp.com/go/Z3200/PANTONE for final results.

6 Visit www.hp.com/go/Z3200/paperpresets to find paper presets for HP and other commercially available media.

7 Avoid double color management when using Adobe Photoshop CS3 Improved Printing Experience—co-developed by HP—for both Mac and Windows Vista. Check www.hp.com/go/Z3200/solutions for more details on the exact configurations supported.

8 HP Professional PANTONE Emulation, HP Advanced Profiling Solution, remote management, queue management, nesting, job submission and storage capabilities, and support for 16-bit TIFF and JPEG files are standard on HP Designjet Z3200ps Photo printers only. HP Advanced Profiling Solution is also available as an accessory for HP Designjet Z3200 Photo Printers.

For more information, visit our website at **www.TECH2000.NET OR CALL 301-340-7264**

4AA2-1969ENUC, September 2008

HP DESIGNJET T7100 Printer series $8,595.00/$10,995.00

INKJET PRINTING with
LED SPEED at BREAKTHROUGH TCO

PRINT 4 D-SIZED PAGES/MIN, EXPERIENCE A LOW TCO

**Print jobs faster while keeping costs low with this proven production workhorse.
It requires little-to-no maintenance versus LED printing, so it's ready when you are. Plus, it can
run unattended, enabling you to focus on customers—not your printer.**

- Enjoy high-speed, unattended printing.
- Radically simplify and speed up your entire workflow.
- Save time and expense—versus costly LED printing—with low-maintenance HP inkjet printing.
- Choose the configuration that best fits your printing needs today—and tomorrow.

ONE PRINTER TO MEET YOUR MONO AND COLOR NEEDS[1]

**Get two printing systems—both mono and color—in one.[1] The versatile HP Designjet T7100
Printer series can produce low-cost CAD drawings and high-quality color documents.**

- Produce monochrome CAD drawings for the same cost as your current LED prints—and even use laser paper.
- Impress customers with crisp, accurate renders, professional images on photo paper, and presentations.[1]
- Explore the broad HP printing materials portfolio—consistent, high-quality results save time and money.
- Load different media on 3 different rolls. HP makes it easier than ever to be flexible and versatile.

SEAMLESSLY INTEGRATES WITH ANY IT ENVIRONMENT

**This printer fits seamlessly into any production environment, with built-in connectivity, security,
and manageability tools. Plus, embedded job accounting makes it easy to track usage and
manage costs.**

- Rest assured, this printer is easy to integrate, manage, and secure.
- Print confidently, knowing this Designjet supports the next generation of mainstream applications and formats.
- Manage your printing costs more effectively with embedded job accounting functionality.

ecoHIGHLIGHTS

HP DESIGNJET T7100 PRINTER SERIES

ECO INFORMATION
- Save paper with automatic print settings and image nesting
- Free, convenient HP ink cartridge and printhead recycling[1]
- Works with FSC™ certified HP papers

- ENERGY STAR® Qualified
- FSC™ certified HP papers:
    - HP Bright White Inkjet Paper
    - HP Universal Bond Paper
    - HP Universal Coated Paper
    - HP Universal Heavyweight Coated Paper

[1]Program availability varies. Please check **www.hp.com/recycle** for details.

www.hp.com/ecosolutions

Please recycle large-format printing hardware and printing supplies.
HP recycling services make it easy to dispose
of products at end-of-use.

HIT PRINT INTELLIGENTLY

[1]The HP Designjet T7100 Printer series includes color and mono-only models. Color capability is available on the HP Designjet T7100 Printer.

CHOOSE *the* **CONFIGURATION**

Your needs are important. That's why the HP Designjet T7100 printing system can be configured to meet them. Choose from a variety of certified workflow solutions and accessories to customize your printer—now or in the future.

For **LARGE WORKGROUPS**
with **COLOR NEEDS**

GAIN THE VERSATILITY of color printing while maintaining low monochrome printing costs. Produce a range of applications, from low-cost CAD monochrome drawings to high-quality presentations, with the same printer.

AUTOMATE MANUAL PROCESSES AND EXPERIENCE ENHANCED COMPATIBILITY with multiple graphic design applications and multi-file support—and accommodate large, complex files with the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT - 2**

JPEG   TIFF

Adobe PostScript 3   Adobe PDF
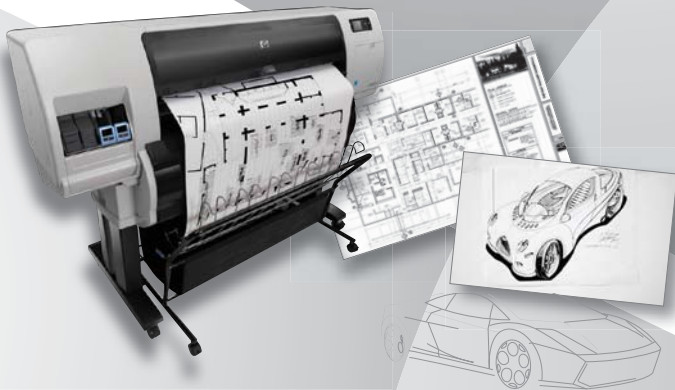
For **LARGE WORKGROUPS**
with **BLACK-AND-WHITE** needs only[1]

PRODUCE HIGH-QUALITY, LOW-COST CAD DRAWINGS that demonstrate your professional best. Two black Original HP inks—matte black and dark gray—enable crisp lines, dark blacks, and fine grayscale transitions.

[1]Not available in Europe.

TECH 2000, INC.
Customize your printer

1 **Boost your productivity with an additional roll**
Increase your capacity to up to three rolls with the **HP DESIGNJET ROLL UPGRADE KIT**. The easy-to-install roll supports a broad range of media, and it integrates smoothly with the HP Smart Roll Loading System for nearly effortless loading.
(CQ743A)

2 **Simplify and speed up your printing experience**
With the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT**, you can process complex files, support PostScript, PDF, TIFF, and JPEG files, and create emulations of PANTONE colors. And it supports HP Instant Printing Pro, which streamlines printing from beginning to end.
(CQ745A)

Adobe PDF

Adobe PostScript 3

3 **Protect your most sensitive data**
With the **HP DESIGNJET EXTERNAL HARD DISK**, you can store your data on a hard disk drive that's separate from your printer.
(CN501A)

that **BEST** FITS *your* PRINTING NEEDS

With the HP Designjet T7100 Printer series, you can be:

- MORE VERSATILE with high-quality color and low-cost monochrome capabilities
- MORE PRODUCTIVE with fast speed and unattended printing
- MORE CONFIDENT with a printer that integrates easily, is configurable and upgradeable, and is simple to manage

with an array of accessories

4 Bring powerful color copy/scan functions in-house
Increase productivity with enhanced scan and high processing speeds. Scan weathered and worn originals and see high-quality results that look better than the original with the **HP DESIGNJET HD SCANNER**. (CQ654A)

5 Print unattended runs
During business hours and even overnight, you can print unattended runs with the **HP DESIGNJET STACKER**. It collects up to 500 D- or A1-size plots and automatically flattens them, keeping them organized until they can be gathered. (CQ742A) (CQ742B)

6 Flexibly automate, standardize, and manage color consistently
With the **SCP REPROCONTROL FOR HP** (1 printer/2 printers), print settings can be automated, mixed print jobs easily handled, and file submissions and configurations managed remotely within your workflow. (CN454A) (CN455A)

For **PRINT SERVICE PROVIDERS**

PRINT UNATTENDED RUNS during business hours and even overnight with the **HP DESIGNJET STACKER - 5**

INCREASE YOUR PRODUCTIVITY AND VERSATILITY with an additional roll using the **HP DESIGNJET ROLL UPGRADE KIT - 1**

QUICKLY TRANSFORM ANY ORIGINALS INTO DIGITAL DOCUMENTS with the **HP DESIGNJET HD SCANNER - 4**

SIMPLIFY JOB PREPARATION AND IMPROVE PRODUCTIVITY with **HP INSTANT PRINTING PRO SOFTWARE** supported with the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT - 2**

For **PRINT SERVICE PROVIDERS** with **ADVANCED WORKFLOW NEEDS**

BUILD AN END-TO-END SOLUTION: take advantage of HP-certified third-party solutions to improve your workflow with more advanced workflow solutions, from managing production to folding and finishing.

SCP *scan copy print*   es-te *Berlin*   bay   PLP DIGITAL SYSTEMS

HP DESIGNJET T7100 Printer series

TECHNICAL SPECIFICATIONS

PRINT

Line drawings[1]	15.5 sec/page on A1/D, 165 A1/D prints per hour
Color images[2]	Fast: 17.5 sec/page on A1/D or up to 117.5 m²/hr (1265 ft²/hr) on coated media Best: 4 min/page on A1/D or up to 8.9 m²/hr (96 ft²/hr) on glossy media
Maximum print speed[1]	123.3 m²/hr (1320 ft²/hr)
Print resolution	Color: up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected Mono: Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
Margins (top x bottom x left x right)	5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
Technology	HP Thermal Inkjet
Ink cartridge colors	Color: cyan, magenta, yellow, matte black, gray, dark gray Mono: matte black, dark gray
Ink types	Dye-based (C, M, Y, G, DG); pigment-based (mK)
Ink drop	6 pl (C, M, DG, G); 9 pl (Y, mK)
Ink cartridge size	775 ml (matte black) 400 ml (matte black, cyan, magenta, yellow, gray, dark gray)
Line accuracy	+/- 0.1%[3]
Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)
Guaranteed minimum line width	0.06 mm (0.0024 in) (ISO/IEC 13660:2001(E))[4]

MEDIA

Handling	Two automatic rolls (upgradeable to three), automatic roll switching, automatic cutter, media bin
Types	2 and 3-in core: bond and coated[5] paper (bond, coated, recycled, heavyweight coated), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper[5] (satin, gloss, semi-gloss, matte, high-gloss), self-adhesive[5] (indoor paper, polypropylene, vinyl), banner and sign material[5] (backlit, outdoor paper, blue back billboard paper)
Weight	70 to 328 g/m²
Size	28 to 106.7-cm (11 to 42-in) rolls, up to 18 kg (26.5 lb)
Thickness	Up to 0.4 mm (15.7 mil)

MEMORY

	32 GB (virtual)[6], 160 GB hard disk

CONNECTIVITY

Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe® PostScript® 3™, Adobe PDF 1.7, TIFF, JPEG
Drivers (included)	HP-GL/2, HP-RTL drivers for Windows® (optimized for AutoCAD 2000 and higher); PostScript® Windows, Linux, and Mac drivers with optional PostScript/PDF Upgrade Kit

DIMENSIONS (w x d x h)

Printer	1970 x 690 x 1370 mm (77.5 x 27.2 x 53.9 in)
Shipping	2232 x 761 x 1269 mm (87.9 x 30 x 50 in)

WEIGHT

Printer	187 kg (412 lb)
Shipping	Color: 220 kg (484 lb) Mono: 200 kg (440 lb)

WHAT'S IN THE BOX

	HP Designjet T7100 Printer, printheads, introductory ink cartridges, printer stand, media bin, 3-in spindle adaptor kit (x2), maintenance cartridge, startup software, quick reference guide, setup poster, power cords

ENVIRONMENTAL RANGES

Operating temperature	5 to 40° C (41 to 104° F)
Storage temperature	-20 to 55° C (-4 to 131° F)
Operating humidity	20 to 80% RH

ACOUSTIC

Sound pressure, active	53 dB(A)
Sound pressure, standby	38 dB(A)
Sound power, active	7.0 B(A)
Sound power, standby	5.8 B(A)

POWER

Printing	270 watts
Powersave	< 9 watts (< 46 watts with embedded Digital Front End)
Off	< 0.5 watts
Requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

CERTIFICATION

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), China (CCC), Singapore (PSB)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, FEMP
ENERGY STAR® qualified models	see: www.hp.com/go/energystar

WARRANTY

	1 year limited hardware warranty

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond).
[2] Mechanical printing time.
[3] +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film.
[4] Measured on HP Matte Film.
[5] Not compatible with HP Designjet T7100 Monochrome Printer. HP bond papers (Bright White and Universal Bond) are compatible with the HP Designjet T7100 Monochrome Printer.
[6] Based on 1 GB RAM. Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included only in the optional HP Designjet PostScript/PDF Upgrade Kit accessory.
[7] Compatibility varies by printer.

[8] Not available in Europe.
[9] HP offers the HP Large-format Media take-back program in North America and Europe through which most HP recyclable media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. In some cases in North America and Asia (including Japan), media are recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in some cases in Europe media are recyclable in consumer collection systems that accept liquid packaging. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.
[10] Supported for line drawings only
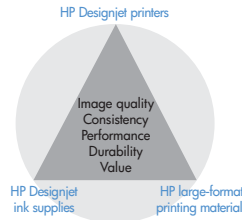

ORDERING INFORMATION

PRODUCT

CQ105A	HP Designjet T7100 Printer
CQ101A	HP Designjet T7100 Monochrome Printer

ACCESSORIES

CQ743A	HP Designjet Roll Upgrade Kit
CQ745A	HP Designjet PostScript®/PDF Upgrade Kit
CN501A	HP Designjet External Hard Disk
CQ742A	HP Designjet 220V Stacker
CQ742B	HP Designjet 110V Stacker
CQ654A	HP Designjet HD Scanner
CN088A	Serif PosterDesigner Pro for HP
CN454A	SCP reprocontrol for HP (1 printer)
CN455A	SCP reprocontrol for HP (2 printers)
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server

ORIGINAL HP PRINTHEADS[7]

CH645A	HP 761 Yellow Designjet Printhead
CH646A	HP 761 Magenta and Cyan Designjet Printhead
CH647A	HP 761 Gray and Dark Gray Designjet Printhead
CH648A	HP 761 Matte Black and Matte Black Designjet Printhead
CN074A	HP 762 Dark Gray Designjet Printhead[8]

ORIGINAL HP INK CARTRIDGES[7]

CM991A	HP 761 400-ml Matte Black Designjet Ink Cartridge
CM992A	HP 761 400-ml Yellow Designjet Ink Cartridge
CM993A	HP 761 400-ml Magenta Designjet Ink Cartridge
CM994A	HP 761 400-ml Cyan Designjet Ink Cartridge
CM995A	HP 761 400-ml Gray Designjet Ink Cartridge
CM996A	HP 761 400-ml Dark Gray Designjet Ink Cartridge
CM997A	HP 761 775-ml Matte Black Designjet Ink Cartridge

ORIGINAL HP MAINTENANCE SUPPLIES[7]

CH649A	HP 761 Designjet Maintenance Cartridge
CM998A	HP 762 Black Designjet Maintenance Cartridge[8]

The HP printing system
HP printers, HP ink formulations and printing supplies, and HP printing materials are designed and engineered to work together as an optimized printing system, providing exceptional print quality and reliability—print after print. HP supplies are exceptionally consistent—providing less downtime and increased productivity.

Try these popular HP media and experience optimum performance from your HP printing system:

ORIGINAL HP LARGE-FORMAT PRINTING MATERIALS[7]

HP Bright White Inkjet Paper [9]	ColorPRO FSC™ certified	C1860A, C1861A, C6810A
HP Universal Bond Paper [9]	ColorPRO FSC™ certified	Q1396A, Q1397A, Q1398A, Q8751A
HP Recycled Bond Paper		CG889A, CG890A, CG891A
HP Universal Heavyweight Coated Paper [9]	FSC™ certified	Q1412A, Q1413A, Q1414A
HP Universal Coated Paper	FSC™ certified	Q1404A, Q1405A, Q1406A
HP Translucent Bond Paper[10]		C3859A, C3860A
HP Vellum Paper[10]		C3861A, C3862A
HP Clear Film [9]		C3875A, C3876A
HP Matte Film [9]		51642A, 51642B
HP Premium Matte Photo Paper		CG459A, CG460A
HP Universal Instant-dry Gloss Photo Paper HP Universal Instant-dry Semi-gloss Photo Paper [9]		Gloss: Q6574A, Q6575A, Q6576A, Q8754A Semi-gloss: Q6579A, Q6580A, Q6581A, Q8755A
HP Premium Plus Gloss Photo Paper (Satin)		Q5486A-Q5488A (Q5489A-Q5491A, Q7920A)
HP Universal High-gloss Photo Paper HP Universal Semi-gloss Photo Paper		High-gloss: Q1426A, Q1427A, Q1428A Semi-gloss: Q1420A, Q1421A, Q1422A
HP Everyday Adhesive Matte Polypropylene		CG843A, CG824A, CG825A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: www.hp.com/go/lfprinting/materials-supplies

FSC™ certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide.
With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.
Keep printing materials out of landfill with HP recyclable media eligible for free return and recycling through the HP Large-format Media take-back program.[9]

SERVICE AND SUPPORT

Color	Mono	
UX919	UX937E	HP 3 year Next Business Day Onsite Support
UX920	UX938E	HP 3 year 4 hour response, 13x5 Onsite Support
UX921	UX939E	HP 3 year 4 hour response, 9x5 Onsite Support
H4518E	H4518E	HP Network Installation Service Designjet 400-6200 SVC
H7604E	H7604E	HP Installation Service Designjet 400-6200 SVC
UX928	UX946E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
UX933	UX951PE	HP 1 year Post Warranty, Next Business Day Onsite Support
UX935	UX953PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support

For more information, visit our website at: WWW.TECH2000.NET OR CALL 301-340-7264

DESIGNJET Z5200 PostScript® PRINTER $5,495.00

Instant large-format printing

Easy and intuitive

With this printer you save half the steps needed to get a print[1]—so it's easier, and you're more productive. Take advantage of a printer that is so easy and intuitive, you'll wonder why you waited to bring large-format printing in house.

- Eliminate and automate many of the steps involved with traditional large-format printing. HP Instant Printing Pro streamlines the printing process from beginning to end with fast, easy file preparation and automatic nesting, preview, orientation, and crop marks.
- Achieve your desired colors quickly while minimizing unnecessary and expensive trial-and-error printing. This printer's embedded spectrophotometer enables automatic calibration and profiling for greater color accuracy and consistency.

Quick printing

Save up to 5 minutes on every print. Add large-format printing to your offering without slowing down your workflow. Eliminate time-consuming steps, see fast speeds, and process and manage jobs more effectively with high productivity.

- Speed up the printing process by eliminating some of the time-consuming steps along the way. The HP Designjet Z5200 PostScript® Printer lets you submit many files at a time, directly to the printer, without having to wait to open an application.
- Turn around orders quickly and still deliver the high quality that customers demand. With the HP Designjet Z5200 PostScript® Printer and HP Vivera pigment inks, you can print up to 445 ft²/hr at production speed without sacrificing quality.

- Streamline your workflow to achieve greater productivity. The printer's 160 GB hard disk provides a large buffer, reducing the chance that your workstation will lock up when printing large files and simplifying the process when you need to reprint.
- Go to unattended printing with 300-ml HP cartridges. Take advantage of the HP Designjet Excel Accounting Report to track jobs by customer, job, or costs. Receive low supplies alerts and use convenient reordering enabled by technology built into HP supplies.[2]

Any file format

Experience dependable, high-quality results on a range of applications, no matter the file format your customer brings. Get high-impact color that's delivered accurately and consistently. Gain efficient operation and a low TCO with this HP printing system.

- Count on a truly dependable printing experience with a built-in PostScript interpreter for in-printer processing of PS and PDF files. And with HP Professional PANTONE Emulation you can meet customer color expectations more quickly and reliably.
- Save time and money by minimizing trial and error printing. This printer's embedded spectrophotometer provides automatic calibration and media profiling for greater consistency and accuracy with the first and every print.
- Impress your customers with long-lasting, high-quality color and black-and-white prints.
- Optimize your everyday printing and achieve a new level of quality and value. HP Universal Bond Paper and HP Bright White Inkjet Paper feature ColorPRO Technology, providing visibly enhanced print quality and cost-effective everyday printing.

[1 Comparison made between printing with HP Instant Printing Pro versus printing from an application and using the driver for any of the files supported with HP Instant Printing Pro
[2 Program features and availability may vary by country. For more information, visit: **www.hp.com/go/lfprinting/materials-supplies**

HP DESIGNJET Z5200 PostScript® PRINTER

TECH 2000, INC.

TECHNICAL SPECIFICATIONS

Print

Line drawings[1]	42 sec/page on D, 42.1 D prints per hour
Color images[2]	**Fast:** 445 ft²/hr on plain media
	Best: 5.1 min/page on D or up to 58 ft²/hr on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Margins (top x bottom x left x right)	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in (borderless on glossy/satin roll media)
	Sheet: 0.2 x 0.67 x 0.2 x 0.2 in
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, magenta, yellow, light cyan, light gray, light magenta, matte black, photo black
Ink types	HP Vivera pigment inks
Ink drop	4 pl (lc, lm, lg, pK), 6 pl (C, M, Y, mK)
Ink cartridge size	300 ml or 130 ml
Line accuracy	+/- 0.2%[3]
Minimum line width	0.0015 in (HP-GL/2 addressable)
Guaranteed minimum line width	0.003 in (ISO/IEC 13660:2001(E))[4]

Image quality

Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[5]
Short term color stability	< 1 dE2000 in less than 5 minutes[6]
Print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[6]
Maximum optical density	4 L* min/2.5 D[7]

Media

Handling	Sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Types	Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit, fabric/textile
Weight	Up to 500 g/m²
Size	8.5 x 11 to 44 x 66-in sheets; 11 to 44-in rolls
Thickness	Up to 31.5 mil

Processing and memory

	Intel® LE80578 800 MHz, 32 GB (virtual memory capacity), 160 GB hard disk

Connectivity

Interfaces (standard)	Gigabit Ethernet (1000Base-T); Hi-Speed USB 2.0 certified; EIO Jetdirect accessory slot
Print languages	Adobe® PostScript® 3™, Adobe PDF, TIFF, JPEG, CALS G4, HP PCL 3 GUI, HP-GL/2[8]
Drivers (included)	HP PCL 3 GUI and PostScript drivers for Windows® (optimized for AutoCAD 2000 and higher) and Mac OS X; support for Citrix XenApp and Citrix XenServer environments
Included software	Printer drivers, HP Instant Printing Pro, HP Printer Utility including HP Color Center, HP Designjet Excel Accounting Report, Serif PosterDesigner Pro for HP (free trial)

Dimensions (w x d x h)

Printer	69.7 x 27.2 x 41.2 in
Shipping	76 x 30.2 x 30.3 in

Weight

Printer	189 lb
Shipping	271 lb

What's in the box

	Printer, printheads, introductory ink cartridges, 44-in stand, Original HP sample media roll, quick reference guide, setup poster, start-up software, power cord

Environmental ranges

Operating temperature	41 to 104° F
Storage temperature	-13 to 131° F
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	49 dB(A)
Sound pressure, standby	29 dB(A)
Sound power, active	6.5 B(A)
Sound power, standby	4.4 B(A)

Power

Maximum	170 watts
Powersave	< 12 watts (< 30 watts with embedded DFE)
Off	0.1 watts
Requirements	Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

Certification

Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia (GOST); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC)
Environmental	WEEE; EU RoHS; China RoHS; REACH; EuP; FEMP
ENERGY STAR® qualified models	See: **www.hp.com/go/energystar**

Warranty

	One-year limited hardware warranty

ORDERING INFORMATION

Product

CQ113A	HP Designjet Z5200 44-in PostScript® Printer

Accessories

Q6699A	HP Designjet Z 44-in Spindle
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN088A	Serif PosterDesigner Pro for HP

Original HP printheads

C9404A	HP 70 Matte Black and Cyan Printhead
C9405A	HP 70 Light Magenta and Light Cyan Printhead
C9406A	HP 70 Magenta and Yellow Printhead
C9407A	HP 70 Photo Black and Light Gray Printhead

Original HP ink cartridges

CN629A	HP 772 300-ml Magenta Designjet Ink Cartridge
CN630A	HP 772 300-ml Yellow Designjet Ink Cartridge
CN631A	HP 772 300-ml Light Magenta Designjet Ink Cartridge
CN632A	HP 772 300-ml Light Cyan Designjet Ink Cartridge
CN633A	HP 772 300-ml Photo Black Designjet Ink Cartridge
CN634A	HP 772 300-ml Light Gray Designjet Ink Cartridge
CN635A	HP 772 300-ml Matte Black Designjet Ink Cartridge
CN636A	HP 772 300-ml Cyan Designjet Ink Cartridge
C9448A	HP 70 130-ml Matte Black Ink Cartridge
C9449A	HP 70 130-ml Photo Black Ink Cartridge
C9451A	HP 70 130-ml Light Gray Ink Cartridge
C9453A	HP 70 130-ml Magenta Ink Cartridge
C9454A	HP 70 130-ml Yellow Ink Cartridge
C9455A	HP 70 130-ml Light Magenta Ink Cartridge
C9452A	HP 70 130-ml Cyan Ink Cartridge
C9390A	HP 70 130-ml Light Cyan Ink Cartridge

Original HP large-format printing materials

HP Bright White Inkjet Paper with ColorPRO Technology	C1860A, C1861A, C6035A, C6036A, C6810A, Q1444A, Q1445A, Q1446A
HP Universal Bond Paper with ColorPRO Technology	Q1396A, Q1397A, Q1398A, Q8003A, Q8004A, Q8005A
HP Recycled Bond Paper	CG889A, CG890A, CG891A
HP Heavyweight Coated Paper	C6029C, C6030C, C6569C, C6570C, C6977C, Q1956A, Q1957A
HP Universal Coated Paper	Q1404A, Q1405A, Q1406A, Q1408A
HP Coated Paper	C6019B, C6020B, C6567B, C6568B, C6980A, Q1441A, Q1442A, Q1443A
HP Premium Instant-dry Satin Photo Paper	Q7992A, Q7994A, Q7996A, Q7998A, Q8000A
HP Universal Instant-dry Gloss Photo Paper	Q6574A, Q6575A, Q6576A, Q6578A
HP Universal Instant-dry Semi-gloss Photo Paper	Q6579A, Q6580A, Q6581A, Q6582A, Q6583A
HP Universal High-gloss Photo Paper	Q1426A, Q1427A, Q1428A, Q1429A, Q1430A
HP Universal Semi-gloss Photo Paper	Q1420A, Q1421A, Q1422A, Q1423A, Q1424A
HP Premium Vivid Color Backlit Film	Q8747A, Q8748A, CG924A, Q8749A, Q8750A
HP Adhesive-backed Polypropylene	Q8044A, Q8045A, Q8884A
HP Opaque Scrim	Q8675A, Q1898B, Q1899B, Q1901B, Q1902B
HP Artist Matte Canvas	Q8704A, Q8705A, Q8706A, Q8707A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: **www.hp.com/go/lfprinting/materials-supplies**

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

Service and support

UV210E	HP 3 year Next Business Day Onsite Support
UV216E	HP 3 year 4 hour response, 9x5 Onsite Support
UV219E	HP 3 year 4 hour response, 13x5 Onsite Support
UV222PE	HP 1 year, Post Warranty, Next Business Day Onsite Support
UV223PE	HP 2 year Post Warranty, Next Business Day Onsite Support
UV225PE	HP 1 year Post Warranty, 4 hour response, 9x5 Onsite Support
UV226PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support
H4518E	HP Network Installation Service Designjet 400-6100 SVC

[1] Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond).

[2] Mechanical printing time.

[3] +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever greater) at 73° F, 50-60% relative humidity, on E-sized HP Matte Film in Best or Normal mode.

[4] Measured on HP Matte Film.

[5] ICC absolute colorimetric accuracy on HP Proofing Matte paper.

[6] With HP premium instant-dry photo Satin media, right after calibration.

[7] With HP Premium Instant Dry Photo Gloss media.

[8] HP-GL/2 printing only available via HP Instant Printing Pro, which can be downloaded for free at **www.hp.com/go/hpinstantprintingutility**

For more information, visit our website at www.TECH2000.NET OR CALL 301-340-7264

DESIGNJET Z6200 PHOTO PRINTER SERIES $8,995.00/$15,995.00

Fastest[1] heavy-duty photo printer

Offer the shortest turnaround times[1]

Significantly boost productivity with this high-performance HP photo printer. Meet client demands for fast turnarounds with print speeds up to 140 square meters/hour (1500 square feet/hour). And see highest quality results at fast speeds.

- Turn around orders in record time with this—the fastest printer in its class.[1]
- Print and handle high-quality photo images without losing time.
- Work more productively and comfortably with automated media loading and an ergonomic loading table.
- Maintain high productivity, respond quickly, and optimize your print quality with HP printing materials.

Offer top photo quality and maximize your offering

Offer more, all the way up to top photo quality—like impressive backlit signs and POP displays and exceptionally fade-resistant prints.[2] With chromatic red, HP Vivid Photo Inks create a wide color gamut with vibrant color and deep, rich blacks.

- Differentiate, expand—with HP Vivid Photo Inks, your versatile offering includes top photo-quality prints.
- Take on tough photo printing challenges with the color gamut enabled by chromatic red ink and uniform gloss.
- Bring in new print jobs offering remarkable black-and-white image quality and impressive backlits.
- Produce new applications—this printer makes it easier to tile images together.

Rely on HP technology, see precise color accuracy

Stop hoping for the right colors and start printing them accurately every time. This printer, with embedded spectrophotometer, includes HP technology features that help you operate with ease and print with excellent color accuracy and consistency.

- Count on print-to-print color accuracy on different substrates.
- Assume greater control over the final print with HP Professional PANTONE Emulation.
- Reliable operation—optional PostScript®/PDF upgrade kit ensures compatibility.
- Safely replace your old equipment with printer emulation functionality.

ecoHIGHLIGHTS

HP DESIGNJET Z6200 PHOTO PRINTER SERIES

ECO INFORMATION

- Breakthrough color consistency can help reduce unnecessary reprints
- Free, convenient HP ink cartridge and printhead recycling[1]
- Range of recyclable HP media with a take-back program[1]

- ENERGY STAR® Qualified

[1 Program availability varies. Please check **www.hp.com/recycle** for details.

www.hp.com/go/ecosolutions
Please recycle large-format printing hardware, printing supplies, and media. HP recycling services make it easy to dispose of products at end-of-use.

[1 Compared to large-format inkjet printers under $25,000 for graphic applications. Based on the fastest rated color speeds as published by manufacturers as of January 2010. Test methods vary.

[2 Prints produced with HP Vivid Photo Inks on a range of HP media offer indoor, in-window display permanence over 1 year unlaminated; over 200 years away from direct sun. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. Water resistance and interior in-window display ratings by HP Image Permanence Lab on a range of HP media. For details: www.hp.com/go/supplies/printpermanence.

HP DESIGNJET Z6200 PHOTO
PRINTER SERIES

TECH 2000, INC.

TECHNICAL SPECIFICATIONS

Print

Line drawings[1]	17 sec/page on A1/D
Color images[2]	**Fast:** 18 sec/page on A1/D or up to 128.5 m²/hr (1383 ft²/hr) on coated media
	Best: 3.4 min/page on A1/D or up to 13.1 m²/hr (141 ft²/hr) on glossy media
Maximum print speed[1]	140 m²/hr (1500 ft²/hr)
Print resolution	Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected
Margins (top x bottom x left x right)	5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
Technology	HP Thermal Inkjet
Ink cartridge colors	Chromatic red, magenta, matte black, photo black, yellow, light cyan, light gray, light magenta
Ink types	HP Vivid Photo Inks
Ink drop	4 pl (lc, lm, lg, pK), 6 pl (R, M, Y, mK)
Ink cartridge size	775 ml
Line accuracy	+/- 0.1%[3]
Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)
Guaranteed minimum line width	0.067 mm (0.003 in) (ISO/IEC 13660:2001(E))[4]

Image quality

Color accuracy	Median < 1.19 dE2000, 95% of colors < 2.77 dE2000[5]
Short term color stability	< 1 dE2000 in 5 minutes[6]
Print-to-print repeatability	Average < 0.5 dE2000, max < 1 dE2000[6]
Maximum optical density	4.5 L* min/2.31 D[7]

Media

Handling	Roll feed, automatic cutter, media bin[8], take-up reel[9]
Types	Bond and coated paper, technical paper, film, photographic paper, proofing paper, backlit, self-adhesive, banner and sign, fabric, fine art printing material
Weight	Up to 460 g/m² depending on media type
Size	42-in printer: 28 to 106.7-cm (11 to 42-in) rolls
	60-in printer: 28 to 152.4-cm (11 to 60-in) rolls
Thickness	Up to 0.56 mm (22 mil)

Memory

	32 GB (virtual)[10], 160 GB hard disk

Connectivity

Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe® PostScript® 3™, Adobe PDF 1.7, TIFF, JPEG
Drivers (included)	HP-GL/2, HP-RTL drivers for Windows® (optimized for AutoCAD 2000 and higher); PostScript® Windows, Linux, Mac OS X 10.5 and 10.6 drivers provided with the optional PostScript/PDF Upgrade Kit

Dimensions (w x d x h)

Printer	42-in printer: 1970 x 690 x 1370 mm (77.5 x 27.2 x 53.9 in)
	60-in printer: 2430 x 690 x 1370 mm (95.7 x 27.2 x 53.9 in)
Shipping	42-in printer: 2230 x 750 x 1200 mm (87.8 x 29.5 x 47.2 in)
	60-in printer: 2690 x 750 x 1200 mm (105.9 x 29.5 x 47.2 in)

Weight

Printer	42-in printer: 123 kg (271 lb)
	60-in printer: 190 kg (419 lb)
Shipping	42-in printer: 210 kg (462 lb)
	60-in printer: 250 kg (550 lb)

What's in the box

	HP Designjet Z6200 Photo Printer, spindle, printheads, introductory ink cartridges, maintenance cartridge, Original HP media sample roll, printer stand, media bin[8], take-up reel[9], 3-in spindle adaptor kit, quick reference guide, setup poster, startup software, power cord

Environmental ranges

Operating temperature	5 to 40° C (41 to 104° F)
Storage temperature	-20 to 55° C (-4 to 131° F)
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	53 dB(A)
Sound pressure, standby	38 dB(A)
Sound power, active	7.0 B(A)
Sound power, standby	5.8 B(A)

Power

Maximum	420 watts
Powersave	<9 watts (<46 watts with embedded Digital Front End)
Off	<0.5 watts
Requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

Certification

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), China (CCC), Singapore (PSB)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, FEMP
ENERGY STAR® qualified models	see: **www.hp.com/go/energystar**

Warranty

	One-year limited hardware warranty

The HP printing system

HP printers, HP ink formulations and printing supplies, and HP printing materials are designed and engineered to work together as an optimized printing system, providing exceptional print quality and reliability—print after print. HP supplies are exceptionally consistent—providing less downtime and increased productivity.

For more information visit: www.hp.com/go/lfprinting/materials-supplies

ORDERING INFORMATION

Product

CQ109A	HP Designjet Z6200 42-in Photo Printer
CQ111A	HP Designjet Z6200 60-in Photo Printer

Accessories

CQ745A	HP Designjet PostScript®/PDF Upgrade Kit
CQ752A	HP Designjet Z6200 42-in Take-Up Reel
Q6714A	HP Designjet 60-in Media Bin
CQ753A	HP Designjet Z6200 42-in Spindle
CQ754A	HP Designjet Z6200 60-in Spindle
CN501A	HP Designjet External Hard Disk
CQ654A	HP Designjet HD Scanner
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server

Original HP printheads

CE017A	HP 771 Matte Black and Chromatic Red Designjet Printhead
CE018A	HP 771 Magenta and Yellow Designjet Printhead
CE019A	HP 771 Light Magenta and Light Cyan Designjet Printhead
CE020A	HP 771 Photo Black and Light Gray Designjet Printhead

Original HP ink cartridges

CE037A	HP 771 775-ml Matte Black Designjet Ink Cartridge
CE038A	HP 771 775-ml Chromatic Red Designjet Ink Cartridge
CE039A	HP 771 775-ml Magenta Designjet Ink Cartridge
CE040A	HP 771 775-ml Yellow Designjet Ink Cartridge
CE041A	HP 771 775-ml Light Magenta Designjet Ink Cartridge
CE042A	HP 771 775-ml Light Cyan Designjet Ink Cartridge
CE043A	HP 771 775-ml Photo Black Designjet Ink Cartridge
CE044A	HP 771 775-ml Light Gray Designjet Ink Cartridge
CR250A	HP 771 3-pack 775-ml Matte Black Designjet Ink Cartridge
CR251A	HP 771 3-pack 775-ml Chromatic Red Designjet Ink Cartridge
CR252A	HP 771 3-pack 775-ml Magenta Designjet Ink Cartridge
CR253A	HP 771 3-pack 775-ml Yellow Designjet Ink Cartridge
CR254A	HP 771 3-pack 775-ml Light Magenta Designjet Ink Cartridge
CR255A	HP 771 3-pack 775-ml Light Cyan Designjet Ink Cartridge
CR256A	HP 771 3-pack 775-ml Photo Black Designjet Ink Cartridge
CR257A	HP 771 3-pack 775-ml Light Gray Designjet Ink Cartridge

Original HP maintenance supplies

CH644A	HP 771 Designjet Maintenance Cartridge

Original HP large-format printing materials

Try these popular HP media and experience optimum performance from your HP printing system.

HP Bright White Inkjet Paper [11]	ColorPRO, FSC™ certified	C1860A, C1861A, C6035A, C6036A, C6810A, Q1444A-Q1446A
HP Universal Bond Paper [11]	ColorPRO	Q1396A-Q1398A, Q8751A, Q8004A, Q8005A
HP Heavyweight Coated Paper [11]		C6029C, C6030C, C6569C, C6570C, C6977C, Q1956A, Q1957A
HP Universal Heavyweight Coated Paper [11]	FSC™ certified	Q1412A-Q1414A, Q1416A
HP Universal Coated Paper [11]	FSC™ certified	Q1404A-Q1406A, Q1408A
HP Premium Instant-dry Gloss Photo Paper (Satin) [11]		Q7991A, Q7993A, Q7995A, Q7997A, Q7999A (Q7992A, Q7994A, Q7996A, Q7998A, Q8000A)
HP Universal Instant-dry Gloss Photo Paper (Semi-gloss) [11]		Q6574A-Q6576A, Q6578A, Q8754A, Q8756A, Q6579A-Q6583A, Q8755A, Q8757A)
HP Everyday Pigment Ink Gloss Photo Paper (Satin) [11]		Q8916A-Q8919A, CG841A (Q8920A-Q8923A, CG842A)
HP Premium Vivid Color Backlit Film [11]		Q8747A-Q8750A, CG924A
HP Colorfast Adhesive Vinyl		C6775A, C6777A
HP Opaque Scrim		Q8675A, Q1898B, Q1899B, Q1901B, Q1902B
HP Everyday Matte Polypropylene, 2-pack [11]		CH022A-CH027A
HP Professional Matte Canvas		Q8671A, Q8672A, Q8674A, Q8673B
HP Artist Matte Canvas		Q8704A-Q8707A
HP Matte Litho-realistic Paper		Q7972A, Q7973A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: www.hp.com/go/lfprinting/materials-supplies

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

Keep printing materials out of landfill with HP recyclable media eligible for free return and recycling through the HP Large-format Media take-back program.[11]

FSC™ certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide.

Service and support

42-in	60-in	
UV289E	UX882E	HP 3 year Next Business Day Onsite Support
H4518E	H4518E	HP Network Installation Service Designjet 400-6200 SVC
UV290E	UX883E	HP 3 year 4 hour response, 9x5 Onsite Support
UV291E	UX884E	HP 3 year 4 hour response, 13x5 Onsite Support
UX872E	UX891E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
UX878PE	UX897PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support
UX879PE	UX898PE	HP 1 year Post Warranty, Next Business Day Onsite Support

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond). Measured on a 60-in printer.
[2] Mechanical printing time. Measured on a 60-in printer.
[3] +/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film.
[4] Measured on HP Matte Film.
[5] ICC absolute colorimetric accuracy on HP Matte Proofing Paper.
[6] With HP Premium Instant-dry Photo Paper, right after calibration.
[7] With HP Premium Instant-dry Gloss Photo Paper.
[8] 42-in printer only.
[9] 60-in printer only.
[10] Based on 1 GB RAM. Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included only in the optional HP Designjet PostScript®/PDF Upgrade Kit accessory.
[11] HP offers the HP Large-format Media take-back program in North America and Europe through which most HP recyclable media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. In some cases in North America and Asia (including Japan), media are recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in some cases in Europe media are recyclable in consumer collection systems that accept liquid packaging. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.

For more information, visit our website at **www.TECH2000.NET OR CALL 301-340-7264**

TECH 2000, INC.

DRAW DREAMS.
SHARE DREAMS.
BUILD DREAMS.

HP Designjet T2300 eMFP
and ePrint&Share $8,450.00/$9,450.00

THE WORLD'S MOST
COLLABORATIVE PRINTING
SOLUTION.

HIT PRINT INTELLIGENTLY

hp
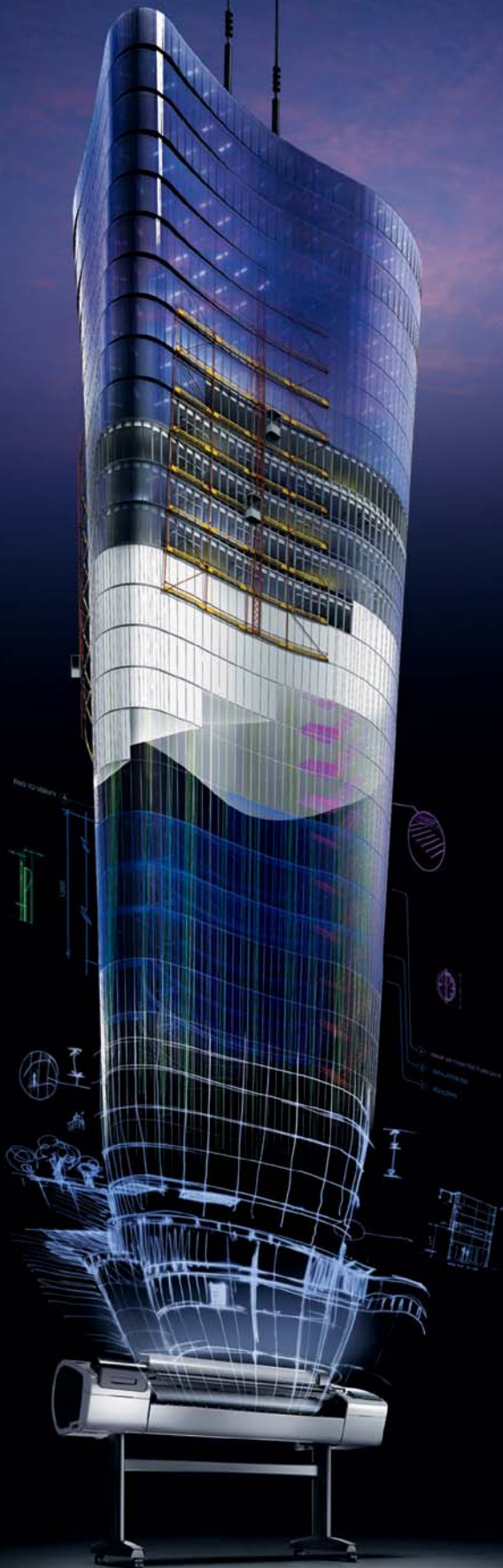
The WORLD'S **MOST COLLABORATIVE**

The first-ever Web-ready printing system with MFP benefits, the HP Designjet T2300 eMFP makes it easier than ever to perform effectively. Print drawings wherever the job takes you-in the office, with the client, at the site. Collaborate with partners and contractors with simplified sharing thanks to HP ePrint & Share. And focus more on your clients and drawings and less on printing with a device that is incredibly intuitive, simple to maintain, and easily upgradeable in the future.

ACCESS AND PRINT ON THE GO—SCAN CONTENT TO THE WEB

Work with a printer that enables, rather than constrains, you. This printer does away with cables and drivers so you have greater freedom to print wherever and whenever it's most convenient—in the office, on the road, or at the client site.

- Instantly scan and upload content to the Web.[1]
- Print and share files over the Web—or directly from the touchscreen[1]—with HP ePrint & Share.
- Print directly from your USB thumb drive, no PC required.
- Print to any HP Designjet printer without installing multiple drivers with HP ePrint & Share.

INSTANTLY SHARE AND MANAGE CONTENT WITH YOUR TEAMS

This printing system is designed to inspire and aid collaboration in and out of your office. Easily print, scan, and share drawings with your partners and clients. An integrated large-format scanner lets you capture and share ideas in real time.

- Scan sketches and hand-annotated drawings.
- Scan drawings to create print-ready files. Share them via an email link to your HP ePrint & Share.[1]
- Work on multiple projects at the same time with two rolls and smart switching.
- Keep the collaborative flow—with HP media and supplies, the print is right the first time, every time.

SO EASY AND INTUITIVE, YOU'LL LOVE USING IT

The HP Designjet T2300 eMFP is so easy and intuitive that printing and scanning is virtually effortless. Its color touchscreen makes interacting with your printer a breeze. And direct printing eliminates print driver and network hassles.

- One-click print, scan, and copy.
- Create a print-ready .PDF at the same time you print with HP ePrint & Share.
- Preview your pages with an intuitive color touchscreen.
- Web-ready and easy to update.

ecoHIGHLIGHTS   HP DESIGNJET T2300 eMFP

- Save paper with automatic print settings and image nesting
- Less ink wasted due to efficient installation and maintenance routines
- Free, convenient HP ink cartridge and printhead recycling[1]
- Works with FSC™ and PEFC certified HP papers[2]
- ENERGY STAR® qualified

[1]Program availability varies. Please check **www.hp.com/recycle** for details.
[2]Select HP media are certified. See **www.hp.com/go/HPmediaresources**.

www.hp.com/ecosolutions   Please recycle large-format printing hardware and printing supplies. HP recycling services make it easy to dispose of products at end-of-use.
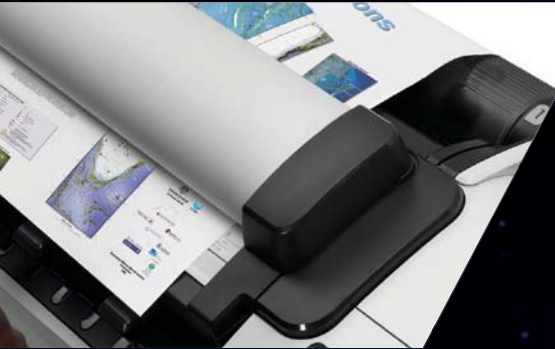
PANTONE Digital Color   Adobe PostScript 3™   R6 READY   Compatible with Windows 7   Mac Universal   HI-SPEED USB CERTIFIED   ColorPRO TECHNOLOGY   Autodesk

[1]Upgradeable functionality will be available in 2011.

PRINTING SOLUTION

Sketch to SHARE

- **Scan or copy** hand annotations and sketches
- Take advantage of simple, **one-click** scanning options
- **Share sketches** by **scanning directly** to the cloud, an email address, or a USB drive

Design, print and SHARE

- Create .PDFs, which are **automatically uploaded** to your personal Web library, at the same time you print
- **Share print-ready files** instantly with project partners

Print from the ROAD

- **Print from the cloud** to any available Web-connected HP Designjet printer
- **Print without** installing multiple **drivers**
- **Print from a USB drive** directly from your printer
- **Easily re-print** project documents or sets

IMPROVING WORKFLOWS *with* HP ePRINT & SHARE

Publishing documents today is time-consuming, and unreliable. With HP ePrint & Share, you can preview, create a pdf at the same time, print, access and share files—easily, cost-effectively, and reliably.

See true-to-life print previews

- Get true-to-life print previews so you can see **exactly** what your printed page will look like.
- Your pages will look right the first time you print—saving you time and paper.

Create and upload a print-ready .PDF—in just one click

- Automatically create a print-ready .PDF—and upload it to your personal Web library—the instant you hit print.
- You can then print and share your file from any Web-connected device.
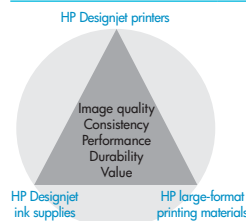
Share and manage print-ready files

- Share files by sending an email with a secure link to your personal Web library—no FTP or email attachments required.
- You can also use your personal Web library to manage all your print-ready content.

HP DESIGNJET T2300 eMFP

TECH 2000, INC.

TECHNICAL SPECIFICATIONS

PRINT

Line drawings	Fast[1]: 28 sec/page on A1/D, 103 A1/D prints per hour
Color images	Fast[1]: 41 m²/hr (445 ft²/hr) Best[2]: 3.1 m²/hr (33.3 ft²/hr)
Print resolution	Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) (borderless on photo papers) Sheet: 5 x 16.75 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, gray, magenta, matte black, photo black, yellow
Ink types	Dye-based (C, M, Y, G, pK); pigment-based (mK)
Ink drop	6 pl (C, M, pK, G), 9 pl (Y, mK)
Ink cartridge size	300 ml (matte black) 130 ml (cyan, gray, magenta, matte black, photo black, yellow) 69 ml (cyan, gray, magenta, photo black, yellow)
Line accuracy	+/- 0.1%[3]
Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)
Guaranteed minimum line width	0.06 mm (0.0024 in) (ISO/IEC 13660:2001 (E)[4]

SCAN

Scan speed	Color: 3.81 cm/sec (1.5 in/sec) Grayscale: 11.43 cm/sec (4.5 in/sec)
Scan/copy resolution	Up to 600 dpi
Maximum scan size	91.4 x 237.8 cm (36 x 93.6 in)
Maximum scan thickness	0.8 mm (0.03 in)

COPY

Reduction/enlargement	25 to 400%
Maximum copies	Up to 99 copies
Copier settings	Copy quality, copy color, roll, content type, original paper type, background removal, contrast, de-skew

MEDIA

Handling	Printer: sheet feed, two automatic roll feeds, automatic roll-switching, automatic cutter Scanner: straight-through scan paper path for sheet and cardboard originals
Types	Printer: bond and coated paper, technical paper, film, photographic paper, backlit, self-adhesive Scanner: non-abrasive paper, vellum, translucent, Mylar, recycled, blueprints, cardboard (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)

MEMORY

	32 GB (virtual)[5], 160 GB hard disk

CONNECTIVITY

Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
Print languages (standard)	eMFP: TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI PostScript eMFP: Adobe® PostScript® 3™, Adobe PDF 1.7, TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI
Drivers (included)	HP-GL/2, HP-RTL drivers for Windows® (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; PostScript® Windows, Linux, and Mac drivers[6]

DIMENSIONS (w x d x h)

Printer	1771 x 1010 x 1124 mm (69.7 x 39.8 x 44.3 in)
Shipping	1930 x 766 x 827 mm (76 x 30.2 x 32.6 in)

WEIGHT

Printer	103 kg (226 lb)
Shipping	135 kg (297 lb)

WHAT'S IN THE BOX

	HP Designjet T2300 eMFP, printheads, introductory ink cartridges, printer stand, spindle, quick reference guide, setup poster, startup software, Scan2CAD software, Raster Design software, USB cable, power cord

ENVIRONMENTAL RANGES

Operating temperature	5 to 40° C (41 to 104° F)
Storage temperature	-25 to 55° C (-13 to 131° F)
Operating humidity	20 to 80% RH

ACOUSTIC

Sound pressure, active	43 dB(A)
Sound pressure, standby	32 dB(A)
Sound power, active	6.1 B(A)
Sound power, standby	4.4 B(A)

POWER

Printing	< 120 watts
Powersave	< 11 watts (< 28 watts with embedded Digital Front End)
Off	< 0.1 watts
Requirements	Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz)

CERTIFICATION

Safety	USA and Canada (CSA certified), EU (LVD and EN 60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS)
Electromagnetic	Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Certified as Class A product in Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP
ENERGY STAR® qualified models	see: www.hp.com/go/energystar

WARRANTY

	1 year limited hardware warranty

For more information, visit our website at: www.hp.com/go/collaborate

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ORDERING INFORMATION

PRODUCT

CN727A	HP Designjet T2300 eMultifunction Printer
CN728A	HP Designjet T2300 PostScript eMultifunction Printer

ACCESSORIES

Q6709A	HP Designjet 44-inch Roll Feed Spindle
CN501A	HP Designjet External Hard Disk
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN454A	SCP reprocontrol for HP (1 printer)
CN455A	SCP reprocontrol for HP (2 printers)

ORIGINAL HP PRINTHEADS

C9380A	HP 72 Gray and Photo Black Printhead
C9383A	HP 72 Magenta and Cyan Printhead
C9384A	HP 72 Matte Black and Yellow Printhead

ORIGINAL HP INK CARTRIDGES

C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Gray Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Gray Ink Cartridge
CH575A	HP 726 300-ml Matte Black Designjet Ink Cartridge

HP Designjet printers

Image quality
Consistency
Performance
Durability
Value

HP Designjet ink supplies   HP large-format printing materials

The HP printing system

HP printers, HP ink formulations and printing supplies, and HP printing materials are designed and engineered to work together as an optimized printing system, providing exceptional print quality and reliability – print after print. HP supplies are exceptionally consistent – providing less downtime and increased productivity.

Try these popular HP media and experience optimum performance from your HP printing system:

ORIGINAL HP LARGE-FORMAT PRINTING MATERIALS

HP Bright White Inkjet Paper [7]	ColorPRO FSC™ certified	C1860A, C1861A, C6810A
HP Universal Bond Paper [7]	ColorPRO FSC™ certified	Q1396A, Q1397A, Q1398A
HP Recycled Bond Paper		CG889A, CG890A, CG891A
HP Universal Coated Paper[7]	FSC™ certified	Q1404A, Q1405A, Q1406A
HP Universal Heavyweight Coated Paper [7]	FSC™ certified	Q1412A, Q1413A, Q1414A
HP Translucent Bond Paper[8]		C3859A, C3860A
HP Vellum Paper[8]		C3861A, C3862A
HP Clear Film [7]		C3875A, C3876A
HP Matte Film [7]		51642A, 51642B
HP Premium Matte Photo Paper		CG459A, CG460A
HP Universal Instant-dry Gloss Photo Paper	PEFC certified	Gloss: Q6574A, Q6575A, Q6576A
HP Universal Instant-dry Semi-gloss Photo Paper [7]	PEFC certified	Semi-gloss: Q6579A, Q6580A, Q6581A
HP Premium Plus Gloss Photo Paper (Satin)		Q5486A-Q5488A (Q5489A-Q5491A, Q7920A)
HP Universal High-gloss Photo Paper		Q1426A, Q1427A, Q1428A
HP Universal Semi-gloss Photo Paper		Q1420A, Q1421A, Q1422A
HP Everyday Adhesive Matte Polypropylene		CG843A, CG824A, CG825A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: **www.hp.com/go/lfprinting/materials-supplies**

FSC™ certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide.

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

The PEFC label demonstrates that certified HP papers come from forests that are managed sustainably.

Keep printing materials out of landfill with HP recyclable media eligible for free return and recycling through the HP Large-format Media take-back program.

SERVICE AND SUPPORT

UX901E	HP 3 year Next Business Day Onsite Support
UX902E	HP 3 year 4 hour response, 13x5 Onsite Support
UX903E	HP 3 year 4 hour response, 9x5 Onsite Support
H4518E	HP Network Installation Service Designjet 400-6200 SVC
H7604E	HP Installation Service Designjet 400-6200 SVC
UX906E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
UX915PE	HP 1 year Post Warranty, Next Business Day Onsite Support
UX917PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support

[1] Mechanical printing time. Printed on plain media with Economode on.
[2] Mechanical printing time. Printed on glossy media.
[3] +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film.
[4] Measured on HP Matte Film.
[5] Based on 640 MB RAM.
[6] Included with the HP Designjet T2300 PostScript eMFP only.
[7] HP offers the HP Large-format Media take-back program in North America and Europe through which most HP recyclable media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. In some cases in North America and Asia (including Japan), media are recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in some cases in Europe media are recyclable in consumer collection systems that accept liquid packaging. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.
[8] Supported for line drawings only.

hp

DESIGNJET T1200 HD
MULTIFUNCTION PRINTER $21,995.00

Do and offer more - process, print, scan, and copy

Rely on one complete, easy, integrated solution

Take advantage of a complete, integrated solution from the company you trust—HP. Free up space in your office with an MFP that reliably performs three functions in one because each element was designed together to work better together.

- You can depend on this convenient single-vendor solution—built together to work together.
- Experience easy operation of scan, copy, and print functions.
- Save valuable workspace with this single, integrated multifunction solution.

Take your productivity to the next level

Do more with one device. Combine high-speed scanning and printing with productivity-enhancing features—like 2 online media rolls, HP Instant Printing, HP ink cartridges for uninterrupted printing, reliable HP media—and watch your productivity soar.

- Save time and paper with 2 online rolls.
- You're back to business in no time with an HP MFP that scans, copies, and prints your projects quickly.
- Batch scanning and printing is fast and easy thanks to free HP Instant Printing and collating features.

See top quality results from any original

Whether you digitize old CAD documents that are in poor shape or copy full color posters, the HP Designjet T1200 HD-MFP and HP supplies and media deliver high-quality scanning, copying, and printing across a broad range of applications.

- Get a high level of quality—from line drawings to maps to posters—with 4 camera CCD scanning technology.
- Experience added versatility when you scan, print AEC, CAD, and GIS documents.
- Produce fine lines, crisp text, and vivid color with HP Vivera inks, including 2 blacks and a gray ink.
- Transform your everyday printing—HP everyday bond papers with ColorPRO Technology and HP Recycled Bond Paper.

BLI BUYERS LAB 2009 PICK

Hewlett-Packard Company
HP Designjet T1200

ecoHIGHLIGHTS — HP DESIGNJET T1200 PRINTER

- Save paper with two roll configuration, print image nesting, blank print area detection, image auto-rotate and realistic print previews
- Less ink wasted thanks to efficient installation and maintenance routines
- Free, convenient cartridge and printhead recycling[1]
- Supports 100% recycled HP media
- ENERGY STAR® Qualified Product

[1] In more than 45 countries worldwide. Please check www.hp.com/recycle for details

www.hp.com/ecosolutions — Please recycle your computing hardware and supplies. Find out how at our website.

PANTONE Digital Color · Adobe PostScript 3 · R6 READY · Compatible with Windows 7 · Mac · Universal · HI-SPEED USB CERTIFIED · FireWire · vivera HP INKS · ColorPRO TECHNOLOGY

HP DESIGNJET T1200 HD MULTIFUNCTION PRINTER

TECH 2000, INC.

TECHNICAL SPECIFICATIONS

Print

Line drawings	**Fast[1]:** 28 sec/page on D, 103 D prints per hour
Color images	**Fast[1]:** 549 ft²/hr **Best[2]:** 33.3 ft²/hr
Print resolution	Up to 2400 x 1200 optimized dpi
Margins (top x bottom x left x right)	**Roll:** 0.2 x 0.2 x 0.2 x 0.2 in (borderless on photo papers) **Sheet:** 0.2 x 0.67 x 0.2 x 0.2 in
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, gray, magenta, matte black, photo black, yellow
Ink types	Dye-based (C, M, Y, G, PK); pigment-based (MK)
Ink drop	6 pl (C, M, PK, G), 9 pl (Y, MK)
Ink cartridge size	300 ml (matte black) 130 ml (cyan, gray, magenta, matte black, photo black, yellow) 69 ml (cyan, gray, magenta, photo black, yellow)
Line accuracy	+/- 0.1%[3]
Minimum line width	0.0008 in (HP-GL/2 addressable)
Guaranteed minimum line width	0.0024 in (ISO/IEC 13660:2001(E))[4]

Scan

Scan speed[5]	**Color:** 2 in/sec **Black-and-white:** 6 in/sec
Scan/copy resolution	Up to 9600 x 9600 dpi (Enhanced mode) with variable resolution settings from 50 dpi in increments of 1 dpi
Maximum scan width	42 in
Maximum scan thickness	0.6 in

Copy

Reduction/enlargement	1 to 10,000%
Maximum copies	1000 copies
Copier settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, accounting, batch

Media

Handling	**Printer:** sheet feed, two automatic roll feeds, automatic roll-switching, automatic cutter **Scanner:** straight-through scan paper path for sheet and cardboard originals
Types	**Printer:** bond and coated, technical paper, film, photographic paper, backlit, self-adhesive **Scanner:** non-abrasive paper, vellum, Mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)

Processing and memory

	Printer: Intel® Pentium® M 800 MHz, 32 GB dedicated file-processing memory, 160 GB hard disk **Scanner:** Intel Pentium 4 2.8 GHz, 1 GB memory, 40 GB hard disk

Connectivity

Interfaces (standard)	**Printer:** Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot **Scanner:** Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, FireWire (IEEE-1394a compliant)
Print languages	Adobe® PostScript® 3™, Adobe PDF 1.7, TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI
Drivers (included)	HP-GL/2, HP-RTL, and PostScript drivers for Windows® (optimized for AutoCAD 2000 and higher); PostScript drivers for Mac OS X and Linux; support for Citrix XenApp and Citrix XenServer environments

Dimensions (w x d x h)

MFP	74.8 x 39.4 x 63 in
Shipping	75.98 x 30.16 x 60.2 in

Weight

MFP	440 lb
Shipping	617 lb

What's in the box

	Printer, printheads, introductory ink cartridges, 44-in stand, 44-in spindle, quick reference guides, setup posters, Serif PosterDesigner Pro for HP poster, start-up software, scanner, touchscreen (panel PC), scanner documentation software, system recovery software, customer service guide, USB cable, FireWire cable, Ethernet cable, power cords

Environmental ranges

Operating temperature	41 to 104° F
Storage temperature	-13 to 131° F
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	47 dB(A)
Sound pressure, standby	32 dB(A)
Sound power, active	6.3 B(A)
Sound power, standby	4.4 B(A)

Power consumption

Maximum	**Printer:** 120 watts; **Scanner:** 300 watts
Powersave	**Printer:** < 7 watts (< 25 watts with embedded DFE)
Off	3.6 watts
Power requirements	**Printer:** input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max **Scanner:** input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 5 A max

Certification

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS)
Electromagnetic	Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC), Taiwan (BSMI)
Environmental	WEEE, EU RoHS, China RoHS, REACH
ENERGY STAR® qualified models	see: **www.hp.com/go/energystar**

Warranty

	One-year limited hardware warranty

ORDERING INFORMATION

Product

CQ653A	HP Designjet T1200 HD Multifunction Printer

Accessories

Q6709A	HP Designjet 44-inch Roll Feed Spindle
CN501A	HP Designjet External Hard Disk
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN088A	Serif PosterDesigner Pro for HP
CN454A	SCP reprocontrol for HP (1 printer)
CN455A	SCP reprocontrol for HP (2 printers)

Original HP printheads

C9380A	HP 72 Gray and Photo Black Printhead
C9383A	HP 72 Magenta and Cyan Printhead
C9384A	HP 72 Matte Black and Yellow Printhead

Original HP ink cartridges

C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Gray Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Gray Ink Cartridge
CH575A	HP 726 300-ml Matte Black Ink Cartridge

Original HP large-format printing materials

HP Bright White Inkjet Paper with ColorPRO Technology	C1860A, C1861A, C6035A, C6036A, C6810A, Q1444A, Q1445A, Q1446A
HP Universal Bond Paper with ColorPRO Technology	Q1396A, Q1397A, Q1398A, Q8003A, Q8004A, Q8005A
HP Recycled Bond Paper	CG889A, CG890A, CG891A
HP Heavyweight Coated Paper	C6029C, C6030C, C6569C, C6570C, C6977C, Q1956A, Q1957A
HP Universal Coated Paper	Q1404A, Q1405A, Q1406A, Q1408A
HP Coated Paper	C6019B, C6020B, C6567B, C6568B, C6980A, Q1441A, Q1442A, Q1443A
HP Natural Tracing Paper	C3869A, C3868A, Q1439A
HP Clear Film	C3875A, C3876A
HP Matte Film	51642A, 51642B
HP Universal Instant-dry Gloss Photo Paper	Q6574A, Q6575A, Q6576A, Q6578A
HP Universal Instant-dry Semi-gloss Photo Paper	Q6579A, Q6580A, Q6581A, Q6582A, Q6583A
HP Premium Plus Satin Photo Paper	Q7920A, Q5491A, Q5489A, Q5490A
HP Universal High-gloss Photo Paper	Q1426A, Q1427A, Q1428A, Q1429A, Q1430A
HP Universal Semi-gloss Photo Paper	Q1420A, Q1421A, Q1422A, Q1423A, Q1424A
HP Adhesive-backed Polypropylene	Q8044A, Q8884A, Q8045A

Try these popular HP media and experience optimum performance from your HP printing system. For more HP printing materials, see **www.hp.com/go/lfprinting/materials-supplies**

With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications.

Service and support

UT911E	HP 3 year Next Business Day Onsite Support
UT917E	HP 3 year 4 hour response, 9x5 Onsite Support
UT920E	HP 3 year 4 hour response, 13x5 Onsite Support
UT923PE	HP 1 year, Post Warranty, Next Business Day Onsite Support
UT924PE	HP 2 year Post Warranty, Next Business Day Onsite Support
UT926PE	HP 1 year Post Warranty, 4 hour response, 9x5 Onsite Support
UT927PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support
H4518E	HP Network Installation Service Designjet 400-6100 SVC

[1] Mechanical printing time. Printed on plain media with Economode on.
[2] Mechanical printing time. Printed on glossy media.
[3] +/-0.1% of the specified vector length or +/-0.1 mm (whichever greater) at 73° F, 50 to 60% RH, on E HP Matte Film in Best or Normal mode.
[4] Measured on HP Matte Film.
[5] Measured in 200 dpi/400 dpi Turbo mode.

For more information, visit our website at www.hp.com/go/designjetT1200HD-MFP

DESIGNJET HD
SCANNER $18,995.00

In-house scanning/copying at the touch of a button.

Quickly transform originals into digital documents

Reduce turnaround times with in-house high-quality color copying/scanning. Increase productivity with enhanced scan and high processing speeds. Scan weathered and worn originals and see high quality results that look better than the original.

- See high speeds up to 3 in/sec for color and up to 10 in/sec for black-and-white scans.
- Take advantage of the HP Designjet Scanner's high processing speeds to make short work of large files.
- Powerful scan resolution—create images with realistic colors and precise lines that improve upon the original.
- Produce large-format color and black-and-white scans from wide or thick, rigid originals.

Create an integrated HP scan-copy-print system

Add to your HP Designjet printer to build a powerful, easy-to-use, in-house scan-copy-print system.
It integrates easily with numerous industry-leading third-party scan applications—enabling excellent copy quality and performance.

- Obtain consistent color reproduction with closed-loop color calibration.
- Integrate with the printer for excellent ease of use, copy quality, and performance*.
- Integrate your entire HP production system using preconfigured drivers and network connectivity.
- Save scanned files in a variety of file formats, and easily integrate with third-party applications.

Easily scan and copy at the touch of a button

Take advantage of the HP Designjet Scanner's easy-to-use, intuitive graphical display to produce great copy and scan results. Advanced copy features help you make copies quickly and effortlessly; seamless network connectivity allows easy access.

- Easy and intuitive operation with a 15-inch touchscreen graphical display.
- Use advanced copy features to streamline your job and help you make copies quickly and easily.
- Tap into seamless network connectivity for easy access.

*Only valid for connection with the HP Designjet 4020/4520 Printer series.

Ordering information

TECH 2000, INC.

Technical specifications

Scan	
Scan speed	**Color (200 dpi/400 dpi Turbo):** 3 in/sec **Black-and-white (200 dpi/400 dpi Turbo):** 10 in/sec
Scan/copy resolution	**Enhanced mode:** 9600 x 9600 dpi with variable resolution settings from 50 dpi in increments of 1 dpi **Best mode:** 300 x 300 dpi **Normal mode:** 200 x 200 dpi **Draft mode:** 150 x 150 dpi
Maximum scan width	42 in
Maximum scan thickness	0.6 in

Copy	
Reduction/enlargement	1 to 10,000%
Maximum copies	1000 copies
Copier settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, accounting, batch

Media	
Handling	Straight-through scan paper path for sheet and cardboard originals
Types	Non-abrasive paper, vellum, mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard. (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)

Processing and memory	
	Intel Pentium 4 2.8 GHz, 1 GB memory, 160 GB hard disk

Connectivity	
Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, FireWire (IEEE-1394a compliant)
Drivers (included)	HP Macroinstaller with Windows drivers for HP Designjet 5x0, 800, 1000, 4xx0, 5x00, Txx0, T1xx0, Z3x00, Z6100 series products

Dimensions (w x d x h)	
Scanner	70.8 x 33.4 x 54.3 in
Shipping	75.2 x 26.8 x 29.9 in

Weight	
Scanner	204 lb
Shipping	309 lb

What's in the box	
	Scanner, stand, touchscreen (panel PC), quick reference guide, setup poster, documentation software, system recovery software, customer service guide, FireWire cables (x2), Ethernet cable, power cord

Environmental ranges

Operating temperature	41 to 104° F
Storage temperature	-13 to 131° F
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	47 dB(A)
Sound pressure, standby	25 dB(A)
Sound power, active	6.3 B(A)
Sound power, standby	4.4 B(A)

Power consumption

Active	300 watts maximum
Off	3.5 watts

Power requirements

	Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz, 5 A max

Certification

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE), Korea (KATS)
Electromagnetic	Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC), Taiwan (BSMI)
Environmental	EU & China RoHS, WEEE, REACH

Warranty

	One-year limited hardware warranty

Service and support

Care packs	UT932E HP 3 year Next Business Day Onsite Support
	UT938E HP 3 year 4 hour response, 9x5 Onsite Support
	UT941E HP 3 year 4 hour response, 13x5 Onsite Support
	UT944PE HP 1 year, Post Warranty, Next Business Day Onsite Support
	UT945PE HP 2 year Post Warranty, Next Business Day Onsite Support
	UU954PE HP 1 year Post Warranty, 4 hour response, 9x5 Onsite Support
	UU955PE HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support
	H4518E HP Network Installation Service Designjet 400-6100 SVC

Ordering information

Product	
CQ654A	HP Designjet HD Scanner

Supported Printers	
C7770B	HP Designjet 500 42-in Printer
C7770C	HP Designjet 500ps 42-in Printer
C7770F	HP Designjet 500 Plus 42-in Printer
CH336A	HP Designjet 510 24-in Printer
CH337A	HP Designjet 510 42-in Printer
C7779B	HP Designjet 800 24-in Printer
C7780B	HP Designjet 800 42-in Printer
C7779C	HP Designjet 800ps 24-in Printer
C7780C	HP Designjet 800ps 42-in Printer
C6074B	HP Designjet 1050c Plus Printer
C6075B	HP Designjet 1055cm Plus Printer
Q1273A	HP Designjet 4000 Printer
Q1274A	HP Designjet 4000ps Printer
CM765A	HP Designjet 4020 42-in Printer
CM766A	HP Designjet 4020ps 42-in Printer
Q1271A	HP Designjet 4500 Printer
Q1272A	HP Designjet 4500ps Printer
CM767A	HP Designjet 4520 42-in Printer
CM768A	HP Designjet 4520ps 42-in Printer
Q1251A	HP Designjet 5500 42-in Printer
Q1253A	HP Designjet 5500 60-in Printer
Q1252A	HP Designjet 5500ps 42-in Printer
Q1254A	HP Designjet 5500ps 60-in Printer
Q1251V	HP Designjet 5500 42-in UV Printer
Q1253V	HP Designjet 5500 60-in UV Printer
Q1252V	HP Designjet 5500ps 42-in UV Printer
Q1254V	HP Designjet 5500ps 60-in UV Printer
Q6711A	HP Designjet T610 24-in Printer
Q6712A	HP Designjet T610 42-in Printer
Q6683A	HP Designjet T1100 24-in Printer
Q6684A	HP Designjet T1100 44-in Printer
Q6687A	HP Designjet T1100ps 24-in Printer
Q6688A	HP Designjet T1100ps 44-in Printer
CK837A	HP Designjet T1120 24-in Printer
CK839A	HP Designjet T1120 44-in Printer
CK838A	HP Designjet T1120ps 24-in Printer
CK840A	HP Designjet T1120ps 44-in Printer
CH538A	HP Designjet T1200 44-in Printer
CK834A	HP Designjet T1200 44-in PostScript Version Printer
CN375A	HP Designjet T770 44-in Printer with Hard Disk
CQ306A	HP Designjet T770 24-in Printer with Hard Disk
Q6675	HP Designjet Z2100 24-in Photo Printer
Q6677A	HP Designjet Z2100 44-in Photo Printer
Q5669A	HP Designjet Z3100 24-in Photo Printer
Q5659A	HP Designjet Z3100 44-in Photo Printer
Q5670A	HP Designjet Z3100ps GP 24-in Photo Printer
Q5660A	HP Designjet Z3100ps GP 44-in Photo Printer
Q5669A	HP Designjet Z3200 24-in Photo Printer
Q6659A	HP Designjet Z3200 44-in Photo Printer
Q5670A	HP Designjet Z3200ps 24-in Photo Printer
Q6660A	HP Designjet Z3200ps 44-in Photo Printer
Q6651A	HP Designjet Z6100 42-in Printer
Q6652A	HP Designjet Z6100 60-in Printer
Q6653A	HP Designjet Z6100ps 42-in Printer
Q6654A	HP Designjet Z6100ps 60-in Printer
Q6651C	HP Designjet Z6100 42-in Printer
Q6652C	HP Designjet Z6100 60-in Printer
Q6653C	HP Designjet Z6100ps 42-in Printer
Q6654C	HP Designjet Z6100ps 60-in Printer

For a complete list of supported printers, visit:
www.hp.com/go/designjetHDscanner

For more information, visit our website at www.TECH2000.NET OR CALL 301-340-7264