HP DesignJet Z6 PostScript Printer Plus Edition series

High-definition prints, fast and secure. More quality with fewer Inks.



*Product image may differ from actual product

PRECISE—Reveal every subtle detail

- Achieve smooth gradients, even for complex color combinations, with HP Pixel Control.
- See fine details and high-contrast color more clearly with high-definition HP printheads.
- No need for light inks with HP's dual drop technology.
- Produce water- and fade-resistant prints for indoor and outdoor use with HP Vivid Photo Inks.[1]

FAST—Streamline your workflow

- With a single click, trim prints to their final width and reduce post-processing time using the integrated vertical trimmer.[2]
- Easily print project sets with HP Click software, using a real-print preview to minimize errors and reprints.[3]
- Reduce media-handling time with dual-roll support and automatic roll switching.[2]
- Boost productivity by up to 90% with Productivity print modes[4]—ideal for retail signage, posters, and more.

SECURE—Protect your work and your information with HP Wolf Pro Security

- Protect printers and data from unauthorized access with HP Secure Boot, allowlisting, and encrypted storage.
- Control who accesses the printer and its confidential documents with secure PIN printing.
- Keep your fleet secure at any time with HP Security Manager.[5]

Messaging Footnotes

[1] Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 6 inks. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see https://hp.globalbmg.com/en/printpermanence .
[2] Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with vertical trimmer only.
[3] HP Click App is compatible with Windows and Mac. HP Click Driver is compatible with Windows 11 only. HP Click Print solutions are only compatible with Original HP Ink supplies. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.
[4] Up to 90% printing time reduction based on internal HP testing conducted in March 2026 using the HP DesignJet Z6 44-inch printer. Testing was performed on coated paper at "Best" print quality and compared Standard print mode versus Productivity print modes (Plain for Production and Coated for Production) on the same printer. Results reflect performance improvements enabled by print mode optimization. Actual performance may vary depending on printer configuration, media type, print quality, and job characteristics.
[5] HP Security Manager must be purchased separately. To learn more, please visit https://www.hp.com/go/securitymanager .

For more information, please visit http://www.hp.com/go/designjetZ6

Powered by Adobe PDF Print Engine Powered by Adobe PostScript

Technical specifications

Print

Print speed	
	24-in: Fast-Economode: 720 ft²/hr on plain media; Normal: 214 ft²/hr on coated media; Best: 85 ft²/hr on glossy media 44-in: Fast-Economode: 866 ft²/hr on plain media; Normal: 268 ft²/hr on coated media; Best: 104 ft²/hr on glossy media[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (borderless on selected media[3], or on all media with V-Trimmer[4]) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in
Ink types	Pigment-based
Print Cartridges, Number	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Print cartridge volume	HP 746 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml)
Print cartridge color	Cyan, magenta, yellow, matte black, photo black, chromatic red
Printheads	3 universal printheads (valid for all colors)
Printhead nozzles	2112 per color; 12,672 in total
Line accuracy	±0.1%[5]
Minimum line width	
	0.0008 in (PDF addressable @ 1200 dpi)
Guaranteed minimum line width	0.0031 in (ISO/IEC 13660:2001(E))[6]
Short-term color stability	< 1 dE2000 in less than 5 minutes[7]
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[7]
Max optical density	4 L* min/2.5 D[7]

Media

Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
Handling	Single-roll: Roll feed, rear sheet feed, media output bin, automatic horizontal cutter Dual-roll: Two automatic roll feeds, smart roll-switching, top sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts all HP Z-series printer-qualified media, including most canvas)
Roll size	24-in: 11 to 24-in 44-in: 11 to 44-in
Maximum roll diameter	5.3 in
Sheet size	24-in: 8.3 x 11 to 24 x 66 in 44-in: 8.3 x 11 to 44 x 66 in
Standard media sizes supported	24-in: Letter, Tabloid, C-size, D-size 44-in: Letter, Tabloid, C-size, D-size, E-size
Media Weight Recommended	0.016 to 0.102 lb/ft²
Media thickness (maximum)	Up to 0.031 in
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit

Embedded controller

Memory	128 GB (virtual)[8]
Storage	500 GB self-encrypting
Native print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
Printing paths	HP Click App for Windows and Mac, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices; Windows, Linux and macOS printer driver; printing support for Chrome OS, print from USB pen drive, HP SmartStream, email printing
Drivers	HP Click Driver for Windows 11, Raster and PostScript3 driver for macOS and Windows, PDF driver for Windows
Security features	HP Wolf Pro Security, HP Secure Boot, Allowlisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP Security Manager compatible, Secure Disk erase, self-encrypted storage, PIN printing

Dimensions (W x D x H)

Product	
	24-in: 50.9 x 27.4 x 39.3 in 44-in: 71 x 27.4 x 39.3 in
Shipping	
	24-in: 56.7 x 30.2 x 28.3 in 44-in: 76.8 x 30.2 x 28.3 in

Weight

Product	145-211 lb
Shipping	214-291 lb

Included

What's in the box	HP DesignJet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter[9], quick reference guide, setup poster, power cord
HP Software and solutions	HP Click printing software, HP Web Jetadmin, HP Partner Link, HP Security Manager (optional), HP SmartStream (optional)

Environmental ranges

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

Acoustics

Sound pressure	Printing: 42-45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Sound power	Printing: 6.0-6.3 B(A) (operating), 5.1 B(A) (idle), <3.4 B(A) (sleep)

Power

Consumption	<100 W (printing); <32 W (ready); <6.5 W (sleep); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

Certifications & Compliance

Safety	USA and Canada (CSA certified); EU (LVD and EN 62368-1 compliant); Khazakstan (EAC); Singapore (PSB); China (CCC); India (BIS)
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), South Africa (SABS)
Sustainable impact specifications	30% post-consumer recycled plastic; Free, convenient HP ink cartridge and printhead recycling with HP Planet Partners; Highest WIR Print Permanence Ratings in the Industry; ENERGY STAR® certified; EPEAT® registered
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
Warranty	One-year limited hardware warranty

Ordering information

Product

HP DesignJet Z6 PostScript Printer Plus Edition series

T8W15D	HP DesignJet Z6 24-in PostScript Printer Plus Edition
T8W16D	HP DesignJet Z6 44-in PostScript Printer Plus Edition
T8W18D	HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer Plus Edition

Accessories

1QF38A	HP DesignJet 44-in Take-up Reel
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW01A	HP SmartStream Print Controller USB for HP DesignJet Printers
8SW01AAE	HP SmartStream Print Controller for HP DesignJet Printers
CN538A	HP DesignJet 3-in Core Adapter
CQ783A	HP DesignJet 24-in Spindle
Q6709A	HP DesignJet 44-in Spindle

Original HP printing supplies

P2V25A	HP 746 DesignJet Printhead
P2V78A	HP 746 300-ml Magenta DesignJet Ink Cartridge
P2V79A	HP 746 300-ml Yellow DesignJet Ink Cartridge
P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
P2V82A	HP 746 300-ml Photo Black DesignJet Ink Cartridge
P2V83A	HP 746 300-ml Matte Black DesignJet Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP Universal Instant-dry Satin Photo Paper (FSC® certified)[10] (Recyclable)[11]
HP Artist Matte Canvas
HP Heavyweight Coated Paper (FSC® certified)[10] (Recyclable)[11]
HP Everyday Matte Polypropylene (Recyclable)[11]
HP Premium Matte Photo Paper (FSC® certified)[10] (Recyclable)[11]
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U9YZ0E HP 2y Nbd+DMR DesignJet Z6-44 1 roll HWS
U9YZ1E HP 3y Nbd+DMR DesignJet Z6-44 1 roll HWS
U9YZ2E HP 4y Nbd+DMR DesignJet Z6-44 1 roll HWS
U9YZ3E HP 5y Nbd+DMR DesignJet Z6-44 1 roll HWS
U9ZE1E HP 2y Nbd+DMR DesignJet Z6-44 2 roll HWS
U9ZE2E HP 3y Nbd+DMR DesignJet Z6-44 2 roll HWS
U9ZE3E HP 4y Nbd+DMR DesignJet Z6-44 2 roll HWS
U9ZE4E HP 5y Nbd+DMR DesignJet Z6-44 2 roll HWS
U9WP9E HP 2y Nbd+DMR DesignJet Z6-24 1 roll HWS
U9WQ0E HP 3y Nbd+DMR DesignJet Z6-24 1 roll HWS
U9YX7E HP 4y Nbd+DMR DesignJet Z6-24 1 roll HWS
U9YX8E HP 5y Nbd+DMR DesignJet Z6-24 1 roll HWS

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
[3] Borderless printing available on photo gloss, photo satin, polypropylene, and backlit roll media.
[4] Except self-adhesive vinyls and non-cuttable medias.
[5] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
[6] Measured on HP Matte Film.
[7] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[8] Based on 4 GB RAM.
[9] Not included in the box for 24-in models.
[10] BMG trademark license code FSC®-C115319, see http://www.fsc.org . HP trademark license code FSC®-C017543, see http://www.fsc.org . Not all FSC®-certified products are available in all regions.
[11] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. See http://www.HPLFMedia.com/hp/ecosolutions for details.

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