HP DesignJet Z9+ PostScript Printer Plus Edition series

Professional photo prints, fast and simple. More quality with fewer Inks.



*Product image may differ from actual product

AMAZING—Deliver high quality with confidence

- Impress the most demanding customers with smooth transitions and sharp details thanks to HP Pixel Control.
- Expand your color gamut with RGB HP Vivid Photo Inks, and control color consistency with the embedded spectrophotometer.[1]
- Deliver superior gloss uniformity by upgrading your printer to include HP Gloss Enhancer.[2]
- No need for light inks with high-definition HP printheads with dual drop technology.

FAST—Streamline your workflow

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

SIMPLE—Easy printing, predictable results

- Easily print with HP Click App or Driver, using a real-print preview to minimize errors and reprints.[5]
- No disruption to your workflow—keep using your current RIPs, validated with HP RIP certification program.[6]
- Protect printers and data from unauthorized access with HP Wolf Pro Security.[7]

Messaging Footnotes

[1] Embedded in the HP DesignJet Z9+ 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, comparing to HP DesignJet Z9+ series printers without gloss enhancer. HP Gloss Enhancer can be used on photo paper, with the exception of matte-finish papers. Not included, sold separately.
[3] Vertical trimmer and dual rolls included with the HP DesignJet Z9+dr 44-in PostScript® printer with vertical trimmer only.
[4] Up to 90% printing time reduction based on internal HP testing conducted in March 2026 using the HP DesignJet Z9+ 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 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, DWF, and HP-GL/2 files.
[6] For a list of HP certified RIPs, visit: http;/www8.hp.com/us/en/large-format-printers/designjet-printers/zseries-rips.html .
[7] HP Wolf Pro Security includes various HP security features and is available on the HP DesignJet T850/XT950 plotter series, HP DesignJet Smart Tank T858/T908/T918 printers, HP DesignJet T1600 plotter series, HP DesignJet T2600 multifunction plotter series, HP DesignJet T1700 plotter series, HP DesignJet Z9+ printer, HP DesignJet Z6 Pro printer, HP DesignJet Z9+ PostScript® printer series, HP DesignJet Z6 PostScript® printer series, HP DesignJet XL 3600 multifunction printer series, and HP PageWide XL & Pro printers. See product details for included features.

For more information, please visit http://www.hp.com/go/designjetZ9

Powered by Adobe PDF Print Engine Powered by Adobe PostScript

Technical specifications

Print

Print speed	
	24-in: Fast-Economode: 600 ft²/hr on plain media; Normal: 192 ft²/hr on coated media; Best: 38 ft²/hr on glossy media
	44-in: Fast-Economode: 769 ft²/hr on plain media; Normal: 241 ft²/hr on coated media; Best: 48 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	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray), optional gloss enhancer
Ink drop	7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)
Print cartridge volume	HP 746 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml); HP 747 Ink Cartridge: chromatic green, chromatic blue, gray (300 ml)
Print cartridge color	Cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray
Printheads	5 universal printheads (valid for all colors)
Printhead nozzles	2112 per color; 21,120 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]
Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[7]
Short-term color stability	< 1 dE2000 in less than 5 minutes[8]
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[8]
Max optical density	4 L* min/2.5 D[8]

Media

Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; 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	0.016–0.102 lb/ft²
Media thickness (maximum)	Up to 0.0315 in
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit

Embedded controller

Memory	128 GB (virtual)[9]
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 Driverfor 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	159-216 lb
Shipping	225-302 lb

Included

What's in the box	HP DesignJet Z9+ PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter[10], 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 Z9+ PostScript Printer Plus Edition series	
W3Z71D	HP DesignJet Z9+ 24-in PostScript Printer Plus Edition
W3Z72D	HP DesignJet Z9+ 44-in PostScript Printer Plus Edition
X9D24D	HP DesignJet Z9+dr 44-in PostScript Printer with V-Trimmer Plus Edition

Accessories

1QF38A	HP DesignJet 44-in Take-up Reel
2QX55A	HP Gloss Enhancer Upgrade Kit
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
P2V84A	HP 747 300-ml Chromatic Green DesignJet Ink Cartridge
P2V85A	HP 747 300-ml Chromatic Blue DesignJet Ink Cartridge
P2V86A	HP 747 300-ml Gray DesignJet Ink Cartridge
P2V87A	HP 747 300-ml Gloss Enhancer 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)[11] (Recyclable)[12]
HP Artist Matte Canvas
HP Heavyweight Coated Paper (FSC® certified)[11] (Recyclable)[12]
HP Everyday Matte Polypropylene (Recyclable)[12]
HP Premium Matte Photo Paper (FSC® certified)[11] (Recyclable)[12]

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U9ZF6E	HP 2y Nbd+DMR DesignJet Z9-44 2 roll HWS
U9ZF7E	HP 3y Nbd+DMR DesignJet Z9-44 2 roll HWS
U9ZF8E	HP 4y Nbd+DMR DesignJet Z9-44 2 roll HWS
U9ZF9E	HP 5y Nbd+DMR DesignJet Z9-44 2 roll HWS
U9ZC0E	HP 2y Nbd+DMR DesignJet Z9-24 1 roll HWS
U9ZC1E	HP 3y Nbd+DMR DesignJet Z9-24 1 roll HWS
U9ZC2E	HP 4y Nbd+DMR DesignJet Z9-24 1 roll HWS
U9ZC3E	HP 5y Nbd+DMR DesignJet Z9-24 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] ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[8] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[9] Based on 4 GB RAM.
[10] Not included in the box for 24-in models.
[11] 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.
[12] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

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September 2026