



# HP DesignJet Z9+ PostScript Printer series

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



## **AMAZING—Deliver high quality with confidence**

- Impress the most demanding customers with smooth transitions and sharp details thanks to HP Pixel Control.
- No need for light inks using new high-definition HP printheads with dual drop technology.
- Achieve expanded gamut with RGB HP Vivid Photo Inks and the embedded spectrophotometer.<sup>5</sup>
- Get superior gloss uniformity by upgrading your printer to include HP Gloss Enhancer.<sup>4</sup>

## **FAST—Work without delays**

- Cut post-processing labor time up to 20% with the first printer to include an integrated vertical trimmer.<sup>2</sup>
- Print up to 2.5 times faster<sup>1</sup> without losing quality, with 2400 nozzle-per-inch high-definition printheads.
- Spend less time on media changes and adjustments with dual roll support and automatic roll switching.<sup>2</sup>

## **SIMPLE—New tools for you and your customers**

- Easily design applications from posters to banners and canvas with the HP Applications Center.<sup>3</sup>
- No disruption to your workflow, keep using your current RIPs, validated with HP RIP certification program.<sup>6</sup>
- Get remote visibility and control to better manage your print production environment with HP PrintOS.
- Enjoy one-click printing that also helps reduce media waste using HP Click printing software.<sup>7</sup>

**For more information, please visit**  
<http://www.hp.com/go/designjetz9>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>

<sup>1</sup> Based on internal HP testing. Up to 2.5 times faster printing compared to the HP DesignJet Z3200 Photo Printer series. May vary depending on print mode and media type.

<sup>2</sup> Vertical trimmer and dual rolls included with the HP DesignJet Z9+ dr 44-in PostScript® Printer with V-Trimmer only. Up to 20% reduction in post-processing labor time based on internal HP testing compared to HP DesignJet Z9+ dr series printers without built-in vertical trimmer.

<sup>3</sup> Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see <http://www.hpapplicationscenter.com>.

<sup>4</sup> 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. Optional upgrade available second half 2018.

<sup>5</sup> Embedded in the HP DesignJet Z9+ Printer series 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.

<sup>6</sup> For a list of HP certified RIPs, visit: <http://www8.hp.com/us/en/large-format-printers/designjet-printers/zseries-rips.html>.

<sup>7</sup> Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

## Technical specifications

Print	
Max print speed	71.4 m <sup>2</sup> /hr <sup>1</sup> (769 ft <sup>2</sup> /hr <sup>1</sup> ) on plain media
Color images	Normal: 17.2 m <sup>2</sup> /hr <sup>1</sup> (185 ft <sup>2</sup> /hr <sup>1</sup> ) on coated media Best: 4.5 m <sup>2</sup> /hr <sup>1</sup> (48 ft <sup>2</sup> /hr <sup>1</sup> ) on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 mm (borderless on selected media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> ) (0.2 x 0.2 x 0.2 in (borderless on selected media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> )) Sheet: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)
Ink types	Pigment-based
Ink cartridges	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)
Printheads	5 universal printheads (valid for all colors)
Line accuracy	±0.1% <sup>5</sup>
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi) (0.0008 in (PDF addressable @ 1200 dpi))
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E)) <sup>6</sup> (0.0031 in (ISO/IEC 13660:2001(E)) <sup>6</sup> )
Image quality	
Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000 <sup>7</sup>
Short-term color stability	< 1 dE2000 in less than 5 minutes <sup>8</sup>
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 <sup>9</sup>
Max optical density	4 L* min/2.5 D <sup>8</sup>
Media	
Handling	Single-roll: Roll feed, top sheet feed, rear sheet feed for rigid media, 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)
Sheet size	24-in: 210 x 279 to 610 x 1676 mm; 44-in: 210 x 279 to 1118 x 1676 mm;
Roll size	24-in: 279 to 610-mm; 44-in: 279 to 1118-mm;
Standard sheets	24-in: A4, A3, A2, A1; 44-in: A4, A3, A2, A1, A0;
Weight	80 to 500 g/m <sup>2</sup>
Thickness	Up to 0.8 mm (Up to 31.5 mil)
Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters
Memory	128 GB (virtual) <sup>3</sup> ; 500 GB self-encrypting hard disk
Connectivity	
Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Mobile printing features	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android.
Drivers	Raster and PostScript drivers for Windows and macOS; PDF driver for Windows
Security features	HP Secure Boot, Whitelisting, 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 JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypted HDD, PIN printing
Dimensions (w x d x h)	
Printer	24-in: 1293 x 695 x 998 mm; 44-in: 1802 x 695 x 998 mm
Shipping	24-in: 1440 x 766 x 718 mm; 44-in: 1950 x 766 x 718 mm
Weight	
Printer	72-98 kg
Shipping	102-137 kg
What's in the box	
	HP DesignJet Z9+ PostScript Printer; printheads; introductory ink cartridges; printer stand and media bin; spindle; 3-in core adapter <sup>10</sup> ; quick reference guide; setup poster; power cord
Software included	
	Printer drivers, HP Click, HP Web Jetadmin, HP JetAdvantage Security Manager, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP MPS
Environmental ranges	
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Acoustics	
Sound pressure	42-45 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)
Sound power	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); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Certification	
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
Electromagnetic	Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS)
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver
Warranty	One-year limited hardware warranty



## Ordering information

### Product

W3Z71A	HP DesignJet Z9+ 24-in PostScript Printer
W3Z72A	HP DesignJet Z9+ 44-in PostScript Printer
X9D24A	HP DesignJet Z9+dr 44-in PostScript Printer with V-Trimmer

### Accessories

CN538A	HP DesignJet 3-in Core Adapter
ZQX55A	HP Gloss Enhancer Upgrade Kit
N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
CQ783A	HP DesignJet 24-in Spindle
Q6709A	HP DesignJet 44-in Spindle
1QF38A	HP DesignJet 44-in Take-up Reel
G6H51B	HP HD Pro 42-in Scanner
G6H50B	HP SD Pro 44-in Scanner

### 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

### Original HP large format printing materials

Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>9</sup> (Recyclable) <sup>10</sup> 1067 mm x 30.5 m (42 in x 100 ft)
E4J57A	HP Artist Matte Canvas 1118 mm x 15.2 m (44 in x 50 ft)
C6569C	HP Heavyweight Coated Paper (FSC® certified) <sup>9</sup> (Recyclable) <sup>10</sup> 1067 mm x 30.5 m (42 in x 100 ft)
CH025A	HP Everyday Matte Polypropylene, 2 Pack (Recyclable) <sup>10</sup> 1067 mm x 30.5 m (42 in x 100 ft)
CG460B	HP Premium Matte Photo Paper (FSC® certified) <sup>9</sup> (Recyclable) <sup>10</sup> 914 mm x 30.5 m (36 in x 100 ft)

### Service and support

U7VB9E	HP Installation Service Moderate Level
U9ZC1E	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9 24in
U9ZA6E	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9 44in
U9Z7FE	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9dr 44in
U9ZC3E	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9 24in
U9ZABE	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9 44in
U9ZF9E	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z9dr 44in
U9ZC4PE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z9 24in
U9ZA9PE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z9 44in
U9ZGOPE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z9dr 44in

**HP DesignJet Support Services** offer solutions for business critical environments—installation, extended support and maintenance, as well as variety of value-added services. For more information, please visit [hp.com/go/designjetsupport](http://hp.com/go/designjetsupport).

Use **Original HP inks** 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 [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

For the entire **HP Large Format Printing Materials** portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

### Eco Highlights

- ENERGY STAR® certified<sup>1</sup>, EPEAT® Silver registered as environmentally preferable product<sup>2</sup>
- Breakthrough color consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling<sup>3</sup>
- FSC®-certified papers<sup>4</sup>, range of recyclable HP media with a take-back program<sup>5</sup>

**Please recycle large-format printing hardware and printing supplies. Find out how at our website**  
[hp.com/ecosolutions](http://hp.com/ecosolutions)

<sup>1</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

<sup>3</sup> Program availability varies. Please check <http://www.hp.com/recycle> for details.

<sup>4</sup> 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.

<sup>5</sup> HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

<sup>1</sup> Maximum rate of output for color image 100% color coverage. Printed in Economode, on HP Bright White Inkjet Paper (bond), maximum roll size, with Original HP Vivid Photo Inks. Measured on a 44-in printer.

<sup>2</sup> Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.

<sup>3</sup> Borderless printing available on photo, polypropylene, and backlit roll media.

<sup>4</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>5</sup> ±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 HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

<sup>6</sup> Measured on HP Matte Film.

<sup>7</sup> ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>8</sup> With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.

<sup>9</sup> Based on 4 GB RAM.

<sup>10</sup> Not included in the box for 24-in models.

<sup>11</sup> 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.

<sup>12</sup> 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.

