



# 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**  
[hp.com/go/DesignJetZ9](http://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: [hp.com/go/learnaboutesupplies](http://hp.com/go/learnaboutesupplies)

<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 [happlicationscenter.com](http://happlicationscenter.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

<b>Print</b>	Max print speed	769 ft <sup>2</sup> /hr <sup>1</sup> (71.4 m <sup>2</sup> /hr <sup>1</sup> ) on plain media	
	Color images	Normal: 185 ft <sup>2</sup> /hr <sup>1</sup> (17.2 m <sup>2</sup> /hr <sup>1</sup> ) on coated media Best: 48 ft <sup>2</sup> /hr <sup>1</sup> (4.5 m <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: 0.2 x 0.2 x 0.2 x 0.2 in (borderless on select media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> ) (5 x 5 x 5 x 5 mm (borderless on select media <sup>3</sup> , or on all media with V-Trimmer <sup>4</sup> )) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 17 x 5 x 5 mm)	
	Ink types	Pigment-based	
	Ink cartridges	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray)	
	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	0.0008 in (0.02 mm) (PDF addressable @ 1200 dpi)	
	Guaranteed minimum line width	0.0031 in (0.08 mm) (ISO/IEC 13660:2001(E)) <sup>6</sup>	
	<b>Image quality</b>	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>8</sup>	
Maximum optical density		4 L* min/2.5 D <sup>8</sup>	
<b>Media</b>	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 canvases)	
	Sheet size	24-in: 8.3 x 11 to 24 x 66 in (210 x 279 to 610 x 1676 mm) 44-in: 8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm)	
	Roll size	24-in: 11 to 24-in; 44-in: 11 to 44-in; (24-in: 279 to 610-mm; 44-in: 279 to 1118-mm)	
	Standard sheets	24-in: A, B, C, D; 44-in: A, B, C, D, E; (24-in: A4, A3, A2, A1; 44-in: A4, A3, A2, A1, A0)	
	Grammage	80 to 500 g/m <sup>2</sup>	
	Thickness	Up to 31.5 mil (Up to 0.8 mm)	
	Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters	
<b>Memory</b>	128 GB (virtual) <sup>9</sup> ; 500 GB self-encrypting hard disk		
<b>Connectivity</b>	Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port	
	Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS GA, HP-GL/2, HP-RTL	
	Mobile printing features	Direct print from mobile apps for 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	
<b>Security features</b>	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		
<b>Dimensions (w x d x h)</b>	Printer	24-in: 50.9 x 27.4 x 39.3 in (1293 x 695 x 998 mm); 44-in: 71 x 27.4 x 39.3 in (1802 x 695 x 998 mm)	
	Shipping	24-in: 56.7 x 30.2 x 28.3 in (1440 x 766 x 718 mm); 44-in: 76.8 x 30.2 x 28.3 in (1950 x 766 x 718 mm)	
<b>Weight</b>	Printer	159-216 lb (72-98 kg)	
	Shipping	225-302 lb (102-137 kg)	
<b>What's in the box</b>	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		
<b>Software included</b>	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		
<b>Environmental ranges</b>	Operating temperature:	41 to 104°F (5 to 40°C)	
	Operating humidity:	20 to 80% RH	
<b>Power</b>	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	
<b>Certification</b>	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	
<b>Warranty</b>	One-year limited hardware warranty		

## Ordering information

<b>Product</b>	X9D24A	HP DesignJet Z9* dr 44-in PostScript® Printer with V-Trimmer	
	W3Z72A	HP DesignJet Z9* 44-in PostScript® Printer	
	W3Z71A	HP DesignJet Z9* 24-in PostScript® Printer	
<b>Accessories</b>	2QX55A	HP Gloss Enhancer Upgrade Kit	
	N7P47AA	HP USB 3.0 to Gigabit LAN Adapter	
	CN538A	HP DesignJet 3-in Core 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	
	<b>Original HP ink cartridges and printheads</b>	P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
		P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
P2V78A		HP 746 300-ml Magenta DesignJet Ink Cartridge	
P2V83A		HP 746 300-ml Matte Black DesignJet Ink Cartridge	
P2V82A		HP 746 300-ml Photo Black DesignJet Ink Cartridge	
P2V79A		HP 746 300-ml Yellow DesignJet Ink Cartridge	
P2V85A		HP 747 300-ml Chromatic Blue DesignJet Ink Cartridge	
P2V84A		HP 747 300-ml Chromatic Green DesignJet Ink Cartridge	
P2V87A		HP 747 300-ml Gloss Enhancer DesignJet Ink Cartridge	
P2V86A		HP 747 300-ml Gray DesignJet Ink Cartridge	
P2V25A	HP 746 DesignJet Printhead		
<b>Original HP large format printing materials</b>	Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified) <sup>11</sup> 42 in x 100 ft (67 mm x 30.5 m)	
	E4J57A	HP Artist Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)	
	C6569C	HP Heavyweight Coated Paper (FSC® certified) <sup>11</sup> 42 in x 100 ft (67 mm x 30.5 m)	
	CH025A	HP Everyday Matte Polypropylene, 2 Pack 42 in x 100 ft (67 mm x 30.5 m)	
CG460B	HP Premium Matte Photo Paper (FSC® certified) <sup>11</sup> 36 in x 100 ft (914 mm x 30.5 m)		
<b>Service and support</b>	H4518E	HP Network Installation Service with Network Setup	
	U9ZC1E	HP 3-year Next Business Day + Defective Media Retention (Only for 24")	
	U9ZC4PE	HP 1-year Post Warranty Next Business Day + Defective Media Retention (Only for 24")	
	U9ZA6E	HP 3-year Next Business Day + Defective Media Retention (Only for 44")	
	U9ZA9PE	HP 1-year Post Warranty Next Business Day + Defective Media Retention (Only for 44")	

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>

<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 [epeat.net](http://epeat.net) for registration status by country.

<sup>3</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.

<sup>4</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://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 [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

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

- 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.
- Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
- Borderless printing available on photo, polypropylene, and backlit roll media.
- Except self-adhesive vinyls and non-cuttable medias.
- ±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.
- Measured on HP Matte Film.
- ICC absolute colorimetric accuracy on HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
- With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
- Based on 4 GB RAM.
- Not included in the box for 24-in models.
- BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions.
- 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 [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

