



# 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+ 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+ 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	795 ft <sup>2</sup> /hr <sup>1</sup> (73.9 m <sup>2</sup> /hr <sup>1</sup> ) on plain media	
	Color images	Normal: 1.5 min/page <sup>2</sup> on A1/D or up to 228 ft <sup>2</sup> /hr <sup>1</sup> (21.1 m <sup>2</sup> /hr <sup>1</sup> ) on coated media Best: 8.1 min/page <sup>2</sup> on A1/D or up to 40 ft <sup>2</sup> /hr <sup>1</sup> (3.7 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> , and on all media when using V-Trimmer <sup>4</sup> ) (5 x 5 x 5 x 5 mm (borderless on select media <sup>3</sup> , and on all media when using 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)	
<b>Image quality</b>	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)	
	Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000 <sup>5</sup>	
	Short-term color stability	< 1 dE2000 in less than 5 minutes <sup>6</sup>	
	Long term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 <sup>6</sup>	
<b>Media</b>	Maximum optical density	4 L* min/2.5 D <sup>6</sup>	
	Handling	Single-roll: Roll feed, front sheet feed, media output bin, automatic horizontal cutter; Dual-roll: Two automatic roll feeds, smart roll-switching, front sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts all HP Z-series printer-qualified media, including most all canvas. Does not Support HP Adhesive media or canvas with hard stiff meses.)	
	Sheet size	24-in: 8.3 x 11 to 24 x 66 in; 44-in: 8.3 x 11 to 44 x 66 in; (24-in: 210 x 279 to 610 x 1676 mm; 44-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)	
	Weight	Up to 500 g/m <sup>2</sup>	
	Thickness	Up to 31.5 mil (Up to 0.8 mm)	
	<b>Memory</b>	128 GB (virtual) <sup>7</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 G4, HP-GL/2, HP-RTL
Mobile printing features		Direct print for 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-IP, IPsec/Firewall, Certificate 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	50.9 x 27.4 x 39.3 in (1293 x 695 x 998 mm)	
	Shipping	56.7 x 30.2 x 28.3 in (1440 x 766 x 718 mm)	
<b>Weight</b>	Printer	159 lb (72 kg)	
	Shipping	225 lb (102 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>8</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>Acoustic</b>	Sound pressure	42 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)	
	Sound power	6.0 B(A) (operating); 5.1 B(A) (idle); <3.4 B(A) (sleep)	
<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, Khazakistan (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>	ZQX55A	HP Gloss Enhancer Upgrade Kit	
	N7P47AA	HP USB 3.0 to Gigabit LAN Adapter	
	CN538A	HP DesignJet 3-in Core Adapter	
	Q6700A	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>9</sup> 42 in x 100 ft (67 mm x 30.5 m)
	COF20A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 42 in x 75 ft (1067 mm x 22.9 m)	
	E4J57A	HP Artist Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)	
	Y3Z17A	HP Everyday Blockout Display Film 36 in x 100 ft (914 mm x 30.5 m)	
	Q6627B	HP Super Heavyweight Plus Matte Paper (FSC® certified) <sup>9</sup> 36 in x 100 ft (914 mm x 30.5 m)	
<b>Service and support</b>	U9ZC1E	HP 3 year Next Business Day plus Defective Media Retention Support	
	U9ZC3E	HP 5 year Next Business Day plus Defective Media Retention Support	
	U9ZC4PE	HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support	
	H4518E	HP Network Installation Service with Network Setup	

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 HP Photo Inks and printheads to experience consistent high-quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance<sup>16</sup>. 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

- 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<sup>1</sup>

<sup>1</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.

**Please 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.
- 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.

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