



# 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>4</sup>
- Get superior gloss uniformity by upgrading your printer to include HP Gloss Enhancer.<sup>5</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> 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>5</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>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                         |   |
|-------------------------------|---|
| Print speed                   | 44-in: 71.4 m <sup>2</sup> /hr <sup>1</sup> (769 ft <sup>2</sup> /hr <sup>1</sup> ) on plain media<br>Normal: 17.2 m <sup>2</sup> /hr <sup>1</sup> (185 ft <sup>2</sup> /hr <sup>1</sup> ) on coated media<br>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 optimised dpi   |
| Technology                    | HP Thermal Inkjet   |
| Margins                       | Roll: 5 x 5 x 5 mm (borderless on select media <sup>2</sup> , and on all media when using V-Trimmer <sup>3</sup> ) (0.2 x 0.2 x 0.2 x 0.2 in (borderless on select media <sup>2</sup> , and on all media when using V-Trimmer <sup>3</sup> ))<br>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, grey), 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 colours)  |
| Line accuracy                 | ±0.1% <sup>4</sup>  |
| Minimum line width            | 0.02 mm (PDF addressable at 1200 dpi)   |
| Guaranteed minimum line width | 0.08 mm (ISO/IEC 13660:2001(E)) <sup>5</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; (24-in: 8.3 x 11 to 24 x 66 in; 44-in: 8.3 x 11 to 44 x 66 in)   |
| Roll size                     | 24-in: 279 to 610-mm; 44-in: 279 to 1118-mm; (24-in: 11 to 24-in; 44-in: 11 to 44-in)   |
| Grammage                      | 80 to 500 g/m <sup>2</sup>  |
| Applications                  | Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters  |
| Memory                        | 128 GB (virtual) <sup>6</sup> ; 500 GB self-encrypting hard disk  |
| Connectivity                  |   |
| Interfaces                    | 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   |
| Dimensions (w x d x h)        |   |
| Printer                       | 24-in: 1293 x 695 x 998 mm (50.9 x 27.4 x 39.3 in); 44-in: 1802 x 695 x 998 mm (71 x 27.4 x 39.3 in)  |
| Shipping                      | 24-in: 1440 x 766 x 718 mm (56.7 x 30.2 x 28.3 in); 44-in: 1950 x 766 x 718 mm (76.8 x 30.2 x 28.3 in)  |
| Weight                        |   |
| Printer                       | 24-in: 72 kg (159 lb); 44-in: 94 kg (207 lb)  |
| Shipping                      | 24-in: 102 kg (225 lb); 44-in: 130 kg (286 lb)  |
| What's in the box             |   |
|                               | HP DesignJet Z9+ PostScript Printer; Printheads; Introductory ink cartridges; Printer stand and media bin; Spindle; 7.62 cm (3 in) core adapter <sup>7</sup> ; Quick reference guide; Setup poster; Power cord  |
| Software available            |   |
|                               | Free: HP Applications Center, HP Click, printer drivers, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP PrintOS, HP Web JetAdmin; Pay: HP JetAdvantage Security Manager  |
| Environmental ranges          |   |
| Operating temperature         | 5 to 40°C (41 to 104°F)   |
| 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 (sleep) (< 6.5 W with embedded Digital Front End); 0.1 W (off)  |
| Requirements                  | Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max   |
| Certification                 |   |
| Safety                        | EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (EAC)  |
| Electromagnetic               | Compliant with Class B requirements, including: EU (EMC Directive), South Africa (SABS)   |
| Environmental                 | ENERGY STAR; ErP; WEEE; RoHS (EU); 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

|         |   |
|---------|---|
| Z0X55A  | HP Gloss Enhancer Upgrade Kit           |
| N7P47AA | HP USB 3.0 to Gigabit LAN Adapter       |
| CN538A  | HP DesignJet 3-in Core Adapter          |
| Q6700A  | HP DesignJet Z/T1xxx/T6xx 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  |

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 [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).

### Service and support

|        |   |
|--------|---|
| U9ZC1E | HP 3 year Next Business Day plus Defective Media Retention Support                |
| U9ZC3E | HP 5 year Next Business Day plus Defective Media Retention Support                |
| U9ZC4E | 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/cpc](http://hp.com/go/cpc).

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

### Eco Highlights

- ENERGY STAR<sup>®</sup> certified<sup>1</sup>, EPEAT<sup>®</sup> Silver registered as environmentally preferable product<sup>2</sup>
- Breakthrough colour consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling<sup>3</sup>
- FSC<sup>®</sup>-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<sup>®</sup> 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<sup>®</sup>-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/hplfecosolutions> for details.

<sup>1</sup> Maximum rate of output for colour image 100% colour 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> Borderless printing available on photo, polypropylene, and backlit roll media.

<sup>3</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>4</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on AO/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

<sup>5</sup> Measured on HP Matte Film.

<sup>6</sup> Based on 4 GB RAM.

<sup>7</sup> Not included in the box for 24 in models.

