

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.⁵
- Get superior gloss uniformity by upgrading your printer to include HP Gloss Enhancer.⁴

FAST — Work without delays

- Cut post-processing labor time up to 20% with the first printer to include an integrated vertical trimmer.²
- Print up to 2.5 times faster¹ 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.²

SIMPLE — New tools for you and your customers

- Easily design applications from posters to banners and canvas with the HP Applications Center.³
- No disruption to your workflow, keep using your current RIPs, validated with HP RIP certification program.⁶
- 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.⁷

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/learnaboutequipment

¹ 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.

² 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.

³ Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see hpsolutionscenter.com.

⁴ 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.

⁵ 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.

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

⁷ 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 | 769 ft ² /hr ¹ (71.4 m ² /hr ¹) on plain media | |
| | Color images | Normal: 185 ft ² /hr ¹ (17.2 m ² /hr ¹) on coated media Best: 48 ft ² /hr ¹ (4.5 m ² /hr ¹) 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 ³ , or on all media with V-Trimmer ⁴) (5 x 5 x 5 x 5 mm (borderless on select media ³ , or on all media with V-Trimmer ⁴)) 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% ⁵ | |
| | 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)) ⁶ | |
| | Image quality | 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 | |
| Maximum optical density | | 4 L* min/2.5 D ⁹ | |
| 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 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 ² | |
| | 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 | |
| Memory | 128 GB (virtual) ¹⁰ ; 500 GB self-encrypting hard disk | | |
| Connectivity | 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 | |
| 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: 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) | |
| Weight | Printer | 159-216 lb (72-98 kg) | |
| | Shipping | 225-302 lb (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 ¹¹ ; 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: 41 to 104°F (5 to 40°C) | | |
| | Operating humidity: 20 to 80% RH | | |
| 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

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| Product | 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 | |
| Accessories | 2QX55A | 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 | |
| | Original HP ink cartridges and printheads | 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 | | |
| Original HP large format printing materials | Q6581A | HP Universal Instant-dry Satin Photo Paper (FSC® certified) ¹¹ 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) ¹¹ 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) ¹¹ 36 in x 100 ft (914 mm x 30.5 m) | |
| 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 | |
| | 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.

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.

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

Eco Highlights

- ENERGY STAR® certified¹, EPEAT® Silver registered as environmentally preferable product²
- Breakthrough color consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling³
- FSC®-certified papers⁴, range of recyclable HP media with a take-back program⁵

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

² EPEAT® registered where applicable. EPEAT registration varies by country. See epeat.net for registration status by country.

³ Program availability varies. Please check hp.com/recycle for details.

⁴ BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.

⁵ 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 for details.

Please recycle large-format printing hardware and printing supplies. Find out how at our website: 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-cutable medias.
- ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on AQ/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. HP trademark license code FSC®-C017543, see 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 for details.



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