

Technical specifications

Print	
Print speed	24-in: Fast-Economode: 600 ft ² /hr on plain media; Normal: 192 ft ² /hr on coated media; Best: 38 ft ² /hr on glossy media 44-in: Fast-Economode: 769 ft ² /hr on plain media; Normal: 241 ft ² /hr on coated media; Best: 48 ft ² /hr on glossy media ¹
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 selected media ³ , or on all media with V-Trimmer ⁴) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in
Ink types	Pigment-based
Print Cartridges, Number	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)
Print cartridge volume	HP 746 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml); HP 747 Ink Cartridge: chromatic green, chromatic blue, gray (300 ml)
Printheads	5 universal printheads (valid for all colors)
Printhead nozzles	2112 per color; 21,120 in total
Line accuracy	±0.1% ⁵
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Guaranteed minimum line width	0.0031 in (ISO/IEC 13660:2001(E)) ⁶
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 ⁹
Max optical density	4 L* min/2.5 D ⁹
Media	
Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters
Handling	Single-roll: Roll feed, rear sheet feed, 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)
Roll size	24-in: 11 to 24-in 44-in: 11 to 44-in
Maximum roll diameter	5.3 in
Sheet size	24-in: 8.3 x 11 to 24 x 66 in 44-in: 8.3 x 11 to 44 x 66 in
Standard media sizes supported	24-in: Letter, Tabloid, C-size, D-size 44-in: Letter, Tabloid, C-size, D-size, E-size
Media Weight Recommended	0.016–0.102 lb/ft ²
Media thickness (maximum)	Up to 0.0315 in
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Embedded controller	
Memory	128 GB (virtual) ⁹
Storage	500 GB self-encrypting

Ordering information

Product	
	HP DesignJet Z9+ PostScript Printer Plus Edition series
W3Z7ID	HP DesignJet Z9+ 24-in PostScript Printer Plus Edition
W3Z72D	HP DesignJet Z9+ 44-in PostScript Printer Plus Edition
X9D24D	HP DesignJet Z9+dr 44-in PostScript Printer with V-Trimmer Plus Edition
Accessories	
10F38A	HP DesignJet 44-in Take-up Reel
20X55A	HP Gloss Enhancer Upgrade Kit
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW01A	HP SmartStream Print Controller USB for HP DesignJet Printers
8SW01AAE	HP SmartStream Print Controller for HP DesignJet Printers
CN538A	HP DesignJet 3-in Core Adapter
CQ783A	HP DesignJet 24-in Spindle
Q6709A	HP DesignJet 44-in Spindle

Specification Footnotes

- Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
- Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
- Borderless printing available on photo gloss, photo satin, 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 <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.
- 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.

Native print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
Printing paths	HP Click App for Windows and Mac, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices; Windows, Linux and macOS printer driver; printing support for Chrome OS, print from USB pen drive, HP SmartStream, email printing
Drivers	HP Click Driver for Windows 11, Raster and PostScript3 driver for macOS and Windows, PDF driver for Windows
Security features	HP Wolf Pro Security, HP Secure Boot, Allowlisting, 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 Security Manager compatible, Secure Disk erase, self-encrypted storage, PIN printing
Dimensions (W x D x H)	
Product	24-in: 50.9 x 27.4 x 39.3 in 44-in: 71 x 27.4 x 39.3 in
Shipping	24-in: 56.7 x 30.2 x 28.3 in 44-in: 76.8 x 30.2 x 28.3 in
Weight	
Product	159-216 lb
Shipping	225-302 lb
Included	
What's in the box	HP DesignJet Z9+ PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter ¹⁰ , quick reference guide, setup poster, power cord
HP Software and solutions	HP Click printing software, HP Web Jetadmin, HP DesignJet Utility including HP Color Center, HP Partner Link, HP Security Manager (optional), HP SmartStream (optional)
Environmental ranges	
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131°F
Acoustics	
Sound pressure	Printing: 42-45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Sound power	Printing: 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); <6.5 W (sleep); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Certifications & Compliance	
Safety	USA and Canada (CSA certified); EU (LVD and EN 62368-1 compliant); Kazakhstan (EAC); Singapore (PSB); China (CCC); India (BIS)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS)
Sustainable impact specifications	30% post-consumer recycled plastic; Free, convenient HP ink cartridge and printhead recycling with HP Planet Partners; Highest WIR Print Performance Ratings in the Industry; ENERGY STAR® certified; EPEAT® registered
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
Warranty	One-year limited hardware warranty

Original HP printing supplies

3WX35A	HP 746B 300-ml Photo Black DesignJet Ink Cartridge
3WX36A	HP 746B 300-ml Cyan DesignJet Ink Cartridge
3WX37A	HP 746B 300-ml Magenta DesignJet Ink Cartridge
3WX38A	HP 746B 300-ml Yellow DesignJet Ink Cartridge
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 <https://hp.com/go/OriginalHPInks>

Original HP large format printing materials

- HP Universal Instant-dry Satin Photo Paper (FSC® certified)¹¹ (Recyclable)¹²
- HP Artist Matte Canvas
- HP Heavyweight Coated Paper (FSC® certified)¹¹ (Recyclable)¹²
- HP Everyday Matte Polypropylene (Recyclable)¹²
- HP Premium Matte Photo Paper (FSC® certified)¹¹ (Recyclable)¹²

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

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit <http://www.hp.com/go/cpc>

