Datasheet

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.[4]

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

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 faster[1] 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]

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

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[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+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.
[3] Requires an HP Applications Center account, internet connection, and connected internet-capable device. For more information, see http://www.hpapplicationscenter.com.
[4] 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.
[5] 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.
[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

Print speed	24-in: Up to 55.7 m²/hr[1] (Up to 600 ft²/hr[1]) on plain media; 44-in: Up to 73.9 m²/hr[1] (Up to 795 ft²/hr[1]) on plain media Normal: 1.5 min/page[2] on A1/D or up to 21.1 m²/hr[1] (228 ft²/hr[1]) on coated media Best: 8.1 min/page[2] on A1/D or up to 3.7 m²/hr[1] (40 ft²/hr[1]) on glossy media
Print resolution	Up to 2400 × 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm (borderless on select media[2], and on all media when using V-Trimmer[3]) (0.2 x 0.2 x 0.2 x 0.2 in (borderless on select media[2], and on all media when using V-Trimmer[3])) 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%
Minimum line width	0.02 mm (PDF addressable at 1200 dpi)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E))

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/m²
Memory	128 GB (virtual)[4]; 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[5]; 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 40ºC (41 to 104ºF)
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

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 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**.

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/cpc**.

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

Eco Highlights

- ENERGY STAR® certified[1], EPEAT® Silver registered as environmentally preferable product[2]
- Breakthrough colour consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling[3]
- FSC®-certified papers[4], range of recyclable HP media with a take-back program[5]

Please recycle large-format printing hardware and printing supplies. Find out how at our website
hp.com/ecosolutions

[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 http://www.epeat.net for registration status by country.
[3] Program availability varies. Please check http://www.hp.com/recycle for details.
[4] 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.
[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 http://www.HPLFMedia.com/hp/ecosolutions for details.

[1] 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.
[2] Borderless printing available on photo, polypropylene, and backlit roll media.
[3] Except self-adhesive vinyls and non-cuttable medias.
[4] Based on 4 GB RAM.
[5] Not included in the box for 24-in models.

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