



# HP DesignJet Z9+dr 44-in PostScript Printer with V-Trimmer (X9D24A)

## Overview



**Professional photo prints, fast and simple. More quality with fewer inks.**

Deliver photo-quality prints 2.5 times faster[4] without losing quality. Cut post-processing time up to 20% with the first printer to include an integrated vertical trimmer.[3] Simplify your workflow with new tools in the HP Applications Center.[5]

### AMAZING—Deliver high quality with confidence

Impress the most demanding customers with smooth transitions and sharp details thanks to HP Pixel Control.

### SIMPLE—New tools for you and your customers

Easily design applications from posters to banners and canvas with the HP Applications Center.[5]

### FAST—Work without delays

Cut post-processing labor time up to 20% with the first printer to include an integrated vertical trimmer.[3]

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*[3] 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.*

*[4] 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.*

*[5] Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see <http://www.hpacapplicationscenter.com>*

## Specifications

<b>Print quality color (best)</b>	Up to 2400 x 1200 optimized dpi
<b>Functions</b>	Print
<b>Connectivity, standard</b>	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
<b>Mobile printing capability</b>	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android.
<b>Software included</b>	HP Click printing software, HP PrintOS, HP Web Jetadmin, HP DesignJet Utility including HP Color Center, HP Partner Link, HP JetAdvantage Security Manager (optional), HP SmartStream (optional), HP SmartTracker (optional)
<b>Sustainable impact specifications</b>	30% post-consumer recycled plastic; Free, convenient HP ink cartridge and printhead recycling with HP Planet Partners; Highest WIR Print Permanence Ratings in the Industry; Compatible with FSC®-certified HP large format printing materials and HP Recycled Satin Canvas, and a range of recyclable HP media with a take-back program; ENERGY STAR® certified; EPEAT® registered
<b>Energy star certified</b>	Yes
<b>Minimum dimensions (W x D x H)</b>	1802 x 695 x 998 mm
<b>Minimum dimensions (W x D x H)</b>	71 x 27.4 x 39.3 in
<b>Weight</b>	98 kg
<b>Weight</b>	216 lb
<b>Power consumption</b>	<100 W (printing); <32 W (ready); <6.5 W (sleep); 0.1 W (off)
<b>Environmental certification</b>	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
<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, quick reference guide, setup poster, power cord
<b>Manufacturer Warranty</b>	One-year limited hardware warranty

## Additional specifications

<b>Accessories</b>	CN538A HP DesignJet 3-in Core Adapter;G6H51B HP HD Pro 42-in Scanner;G6H50B HP SD Pro 44-in Scanner;N7P47AA HP USB 3.0 to Gigabit LAN Adapter;Q6709A HP DesignJet 44-in Spindle;1QF38A HP DesignJet 44-in Take-up Reel;2QX55A HP Gloss Enhancer Upgrade Kit
<b>Acoustic power emissions (active, printing)</b>	6.3 B(A) (operating), 5.1 B(A) (idle), <3.4 B(A) (sleep)
<b>Acoustic pressure emissions</b>	45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
<b>Color Stability</b>	< 1 dE2000 in less than 5 minutes[8]
<b>Color accuracy</b>	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[7]
<b>Color(s) of printing supplies</b>	Cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray
<b>Datasheet photo 1</b>	AHID/661f32824e86f5f324e3e6ac063cc690cbe0d1dc
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Electromagnetic compatibility</b>	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)
<b>Finished output handling</b>	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)
<b>Guaranteed minimum line width</b>	0.08 mm (ISO/IEC 13660:2001(E))[6]
<b>Guaranteed minimum line width</b>	0.0031 in (ISO/IEC 13660:2001(E))[6]
<b>Ink drop</b>	7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)
<b>Ink types</b>	Pigment-based
<b>Internal Storage</b>	500 GB self-encrypting
<b>Line accuracy</b>	±0.1%[5]
<b>Maximum optical density (black)</b>	4 L* min/2.5 D[8]
<b>Media sizes standard (metric rolls)</b>	210 to 1118-mm wide sheets; 279 to 1118-mm rolls
<b>Media sizes standard (sheets, rolls)</b>	8.3 to 44-in wide sheets; 11 to 44-in rolls
<b>Media sizes supported</b>	A4, A3, A2, A1, A0
<b>Media sizes, custom</b>	210 x 279 to 1118 x 1676 mm
<b>Media sizes, custom</b>	8.3 x 11 to 44 x 66 in
<b>Media thickness</b>	Up to 31.5 mil
<b>Media thickness (metric)</b>	Up to 0.8 mm
<b>Media types</b>	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
<b>Media weight, recommended</b>	80 to 500 g/m <sup>2</sup>

<b>Media width, maximum</b>	44 in
<b>Media width, maximum</b>	1118 mm
<b>Memory</b>	128 GB (virtual)[9]
<b>Model size</b>	1118 mm
<b>Model size</b>	44 in
<b>Network ready</b>	Standard
<b>Non-printable area (cut-sheet)</b>	0.2 x 0.67 x 0.2 x 0.2 in
<b>Non-printable area (cut-sheet)</b>	5 x 17 x 5 x 5 mm
<b>Non-printable area (roll media)</b>	Borderless on all media with V-Trimmer[4]
<b>Non-printable area (roll media)</b>	Borderless on all media with V-Trimmer[4]
<b>Number of print cartridges</b>	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray), optional gloss enhancer
<b>Operating humidity range</b>	20 to 80% RH
<b>Operating temperature range</b>	41 to 104°F
<b>Operating temperature range</b>	5 to 40°C
<b>Package dimensions (W x D x H)</b>	76.8 x 30.2 x 28.3 in
<b>Package dimensions (W x D x H)</b>	1950 x 766 x 718 mm
<b>Package weight</b>	302 lb
<b>Package weight</b>	137 kg
<b>Playbook TS icon dimensions AiO</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png</a>
<b>Power</b>	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
<b>Print Technology</b>	Ink
<b>Print cartridge volume delivered</b>	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)
<b>Print head nozzles</b>	2112 per color; 21,120 in total
<b>Print heads</b>	5 universal printheads (valid for all colors)
<b>Print languages</b>	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
<b>Print repeatability</b>	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[8]
<b>Print speed</b>	Fast: 71.4 m <sup>2</sup> /hr on plain media; Normal: 17.2 m <sup>2</sup> /hr on coated media; Best: 4.5 m <sup>2</sup> /hr on glossy media[1]
<b>Print speed</b>	Fast: 769 ft <sup>2</sup> /hr on plain media; Normal: 185 ft <sup>2</sup> /hr on coated media; Best: 48 ft <sup>2</sup> /hr on glossy media[1]
<b>Print technology</b>	HP Thermal Inkjet
<b>Printer drivers included</b>	Raster and PostScript drivers for Windows and macOS; PDF driver for Windows 8 and above

<b>Printing path</b>	Apple AirPrint, direct printing from USB flash drive, email printing, HP Click, HP driver for macOS, HP driver for Windows, HP driver for Linux, printing support for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream
<b>Product logos</b>	Adobe PDF Print Engine; Adobe PostScript 3; ENERGY STAR; EPEAT green; HP Pixel Control; i1 Color Technology; IPv6 Ready; Mac; Windows 10 Compatible
<b>Recommended media</b>	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]
<b>Roll external diameter</b>	135 mm
<b>Roll external diameter</b>	5.3 in
<b>Roll maximum input</b>	2
<b>Roll maximum weight</b>	29.8 lb
<b>Roll maximum weight</b>	13.5 kg
<b>Safety</b>	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
<b>Security features</b>	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
<b>Storage temperature range</b>	-13 to 131°F
<b>Storage temperature range</b>	-25 to 55°C
<b>Supported Primary Applications</b>	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters
<b>Technology logo 1</b>	AHID/0b758bb9d473d7d543926389e03e7261ecd69a52
<b>Technology logo 2</b>	AHID/37ef85532914cb31e963407db6c25f3d4602df24
<b>Technology logo 3</b>	AHID/cd33e848211911e4369b10008531951b0aa3cde7
<b>Technology logo 4</b>	AHID/c51bf05ff1023abad6fda02c5a970763b91946f4
<b>Technology logo 5</b>	AHID/ddf117e5fdb9929acf973e80ead7276f2456d5b8
<b>Technology logo 6</b>	AHID/7122a78e6f9db1bfb632dc78c6a1e2c2a476f331
<b>Technology logo 7</b>	AHID/6615658f92b8dd21f3c5b78f3bea628bd257123b
<b>Theoretical minimum line width</b>	0.0008 in (PDF addressable @ 1200 dpi)
<b>Theoretical minimum line width</b>	0.02 mm (PDF addressable @ 1200 dpi)
<b>UNSPSC code</b>	43212107
<b>UPC number</b>	(ABA) 194441079968; (ABG) 192018667785; (ACJ) 196068887520; (B19) 192018667754; (BCD) 192018667778
<b>Web address for additional information</b>	<a href="http://www.hp.com/go/designjetZ9">http://www.hp.com/go/designjetZ9</a>

# Ink/Toner/Paper/Printer Supplies

## Ink Supplies

★ : Recommended

### HP Graphic Arts Inks/Printheads

HP 746 2-pack 300-ml Chromatic Red DesignJet Ink Cartridges	1XA51A
HP 746 2-pack 300-ml Cyan DesignJet Ink Cartridges	1XA50A
HP 746 2-pack 300-ml Magenta DesignJet Ink Cartridges	1XA48A
HP 746 2-pack 300-ml Matte Black DesignJet Ink Cartridges	1XA53A
HP 746 2-pack 300-ml Photo Black DesignJet Ink Cartridges	1XA52A
HP 746 2-pack 300-ml Yellow DesignJet Ink Cartridges	1XA49A
HP 746 300-ml Chromatic Red DesignJet Ink Cartridge	P2V81A
HP 746 300-ml Cyan DesignJet Ink Cartridge	P2V80A
HP 746 300-ml Magenta DesignJet Ink Cartridge	P2V78A
HP 746 300-ml Matte Black DesignJet Ink Cartridge	P2V83A
HP 746 300-ml Photo Black DesignJet Ink Cartridge	P2V82A
HP 746 300-ml Yellow DesignJet Ink Cartridge	P2V79A
HP 746 DesignJet Printhead	P2V25A
HP 746B 300-ml Cyan DesignJet Ink Cartridge	3WX36A
HP 746B 300-ml Magenta DesignJet Ink Cartridge	3WX37A
HP 746B 300-ml Photo Black DesignJet Ink Cartridge	3WX35A
HP 746B 300-ml Yellow DesignJet Ink Cartridge	3WX38A
HP 746D 300-ml Chromatic Red DesignJet Ink Cartridge	1XA57A
HP 746D 300-ml Cyan DesignJet Ink Cartridge	1XA56A
HP 746D 300-ml Magenta DesignJet Ink Cartridge	1XA54A
HP 746D 300-ml Matte Black DesignJet Ink Cartridge	1XA59A
HP 746D 300-ml Photo Black DesignJet Ink Cartridge	1XA58A
HP 746D 300-ml Yellow DesignJet Ink Cartridge	1XA55A
HP 747 300-ml Chromatic Blue DesignJet Ink Cartridge	P2V85A
HP 747 300-ml Chromatic Green DesignJet Ink Cartridge	P2V84A
HP 747 300-ml Gloss Enhancer DesignJet Ink Cartridge	P2V87A
HP 747 300-ml Gray DesignJet Ink Cartridge	P2V86A
HP 747D 300-ml Chromatic Blue DesignJet Ink Cartridge	1XA61A
HP 747D 300-ml Chromatic Green DesignJet Ink Cartridge	1XA60A
HP 747D 300-ml Gray DesignJet Ink Cartridge	1XA62A

## Accessories

### Paper Handling

★ : Recommended

#### Roll Core Adapters

HP DesignJet 3-in Core Adapter

CN538A

#### Spindles

HP DesignJet 44-in Spindle

Q6709A

#### Take-up Reels

HP DesignJet 44-in Take-up Reel

1QF38A

## Printer Supply Accessories

### Ink Upgrade Kits

HP Gloss Enhancer Upgrade Kit

2QX55A

## Services

### Large Format Printing Services

★ : Recommended

#### DesignJet Services

HP DesignJet Printer Services

DJSVCOV

## Solutions

### HP DesignJet Printing Solutions

★ : Recommended

#### DesignJet Printing Solutions

HP DesignJet Printing Solutions

HPDJSOL

#### PrintOS Solution

HP PrintOS Solution

HPPRINTOSSOL

## Scanners/Copiers/Faxes

### Scanners

★ : Recommended

#### Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A
HP HD Pro 2 42-in Scanner	5EK00D
HP SD Pro 2 44-in Scanner	5EK01A
HP SD Pro 2 44-in Scanner	5EK01D
HP SD Pro 44-in Scanner	G6H50B
HP SD Pro 44-in Scanner	G6H50D

## Software

### Printing and Imaging Software

★ : Recommended

#### Printer Management Software

HP SmartStream Preflight Manager	8SW00AAE
HP SmartStream Print Controller USB for HP DesignJet Printers	8SW01A
HP SmartStream Print Controller for HP DesignJet Printers	8SW01AAE
HP SmartStream USB Preflight Manager	8SW00A
HP SmartTracker USB for DesignJet	8SW11A
HP SmartTracker for DesignJet	8SW11AAE

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