



HP DesignJet Z9+dr 44-in PostScript Printer with V- Trimmer TAA Compliant (X9D24B)

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]

[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.hpapplicationscenter.com>

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
Mobile printing capability	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android.
Software included	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)
Sustainable impact specifications	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
Energy star certified	Yes
Minimum dimensions (W x D x H)	1802 x 695 x 998 mm
Minimum dimensions (W x D x H)	71 x 27.4 x 39.3 in
Weight	98 kg
Weight	216 lb
Power consumption	<100 W (printing); <32 W (ready); <6.5 W (sleep); 0.1 W (off)
Environmental certification	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
What's in the box	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
Manufacturer Warranty	One-year limited hardware warranty

Additional specifications

Accessories	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;CQ783A HP DesignJet 24-in Spindle;Q6709A HP DesignJet 44-in Spindle;1QF38A HP DesignJet 44-in Take-up Reel;2QX55A HP Gloss Enhancer Upgrade Kit
Acoustic power emissions (active, printing)	6.3 B(A) (operating), 5.1 B(A) (idle), <3.4 B(A) (sleep)
Acoustic pressure emissions	45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Color Stability	< 1 dE2000 in less than 5 minutes[8]
Color accuracy	Median < 1.6 dE2000, 95% of colors < 2.8 dE2000[7]
Color(s) of printing supplies	Cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray
Country of origin	Made in Singapore
Datasheet photo 1	AHID/661f32824e86f5f324e3e6ac063cc690cbe0d1dc
Dynamic security	Dynamic security enabled printer
Electromagnetic compatibility	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)
Finished output handling	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)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E))[6]
Guaranteed minimum line width	0.0031 in (ISO/IEC 13660:2001(E))[6]
Ink drop	7/3 pl dual-drop weight (M, C, PK, CB, G); 6 pl single-drop weight (Y, CR, MK, CG)
Ink types	Pigment-based
Internal Storage	500 GB self-encrypting
Line accuracy	±0.1%[5]
Maximum optical density (black)	4 L* min/2.5 D[8]
Media sizes standard (metric rolls)	210 to 1118-mm wide sheets; 279 to 1118-mm rolls
Media sizes standard (sheets, rolls)	8.3 to 44-in wide sheets; 11 to 44-in rolls
Media sizes supported	A4, A3, A2, A1, A0
Media sizes, custom	210 x 279 to 1118 x 1676 mm
Media sizes, custom	8.3 x 11 to 44 x 66 in
Media thickness	Up to 31.5 mil
Media thickness (metric)	Up to 0.8 mm

Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Media weight, recommended	80 to 500 g/m ²
Media width, maximum	44 in
Media width, maximum	1118 mm
Memory	128 GB (virtual)[9]
Model size	1118 mm
Model size	44 in
Network ready	Standard
Non-printable area (cut-sheet)	0.2 x 0.67 x 0.2 x 0.2 in
Non-printable area (cut-sheet)	5 x 17 x 5 x 5 mm
Non-printable area (roll media)	Borderless on all media with V-Trimmer[4]
Non-printable area (roll media)	Borderless on all media with V-Trimmer[4]
Number of print cartridges	9 (cyan, magenta, yellow, matte black, photo black, chromatic red, chromatic green, chromatic blue, gray), optional gloss enhancer
Operating humidity range	20 to 80% RH
Operating temperature range	41 to 104°F
Operating temperature range	5 to 40°C
Package dimensions (W x D x H)	76.8 x 30.2 x 28.3 in
Package dimensions (W x D x H)	1950 x 766 x 718 mm
Package weight	302 lb
Package weight	137 kg
Playbook TS icon dimensions AiO	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png
Power	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Print Technology	Ink
Print cartridge volume delivered	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)
Print head nozzles	2112 per color; 21,120 in total
Print heads	5 universal printheads (valid for all colors)
Print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[8]
Print speed	Fast: 71.4 m ² /hr on plain media; Normal: 17.2 m ² /hr on coated media; Best: 4.5 m ² /hr on glossy media[1]
Print speed	Fast: 769 ft ² /hr on plain media; Normal: 185 ft ² /hr on coated media; Best: 48 ft ² /hr on glossy media[1]
Print technology	HP Thermal Inkjet

Printer drivers included	Raster and PostScript drivers for Windows and macOS; PDF driver for Windows 8 and above
Printing path	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
Product logos	Adobe PDF Print Engine; Adobe PostScript 3; ENERGY STAR; EPEAT green; HP Pixel Control; i1 Color Technology; IPv6 Ready; Mac; Windows 10 Compatible
Recommended media	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]
Roll external diameter	135 mm
Roll external diameter	5.3 in
Roll maximum input	2
Roll maximum weight	29.8 lb
Roll maximum weight	13.5 kg
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
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
Storage temperature range	-13 to 131°F
Storage temperature range	-25 to 55°C
Supported Primary Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters
Technology logo 1	AHID/0b758bb9d473d7d543926389e03e7261ecd69a52
Technology logo 2	AHID/37ef85532914cb31e963407db6c25f3d4602df24
Technology logo 3	AHID/cd33e848211911e4369b10008531951b0aa3cde7
Technology logo 4	AHID/c51bf05ff1023abad6fda02c5a970763b91946f4
Technology logo 5	AHID/ddf117e5fbd9929acf973e80ead7276f2456d5b8
Technology logo 6	AHID/7122a78e6f9db1bfb632dc78c6a1e2c2a476f331
Technology logo 7	AHID/6615658f92b8dd21f3c5b78f3bea628bd257123b
Theoretical minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Theoretical minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
UNSPSC code	43212104
UPC number	192018704961
Web address for additional information	http://www.hp.com/go/designjetZ9

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

Spindles

HP DesignJet 24-in Spindle	CQ783A
HP DesignJet 44-in Spindle	Q6709A

Roll Core Adapters

HP DesignJet 3-in Core Adapter	CN538A
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Take-up Reels

HP DesignJet 44-in Take-up Reel	1QF38A
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Printer Supply Accessories

Ink Upgrade Kits

HP Gloss Enhancer Upgrade Kit	2QX55A
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Services

Large Format Printing Services

★ : Recommended

DesignJet Services

HP DesignJet Printer Services	DJSVCOV
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HP DesignJet Printing Solutions

★ : Recommended

DesignJet Printing Solutions

HP DesignJet Printing Solutions	HPDJSOL
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PrintOS Solution

HP PrintOS Solution	HPPRINTOSSOL
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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

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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