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[1] without losing quality. Cut post-processing time up to 20% with the first printer to include an integrated vertical trimmer.[2] Simplify your workflow with new tools in the HP Applications Center.[3]

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.[3]

FAST—Work without delays

Cut post-processing labor time up to 20% with the first printer to include an integrated vertical trimmer.[2]

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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.

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
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	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
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); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)
Environmental certification	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver
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
Services (Care Pack)	U9ZF7E HP 3 year Next Business Day plus Defective Media Retention Support;U9ZF9E HP 5 year Next Business Day plus Defective Media Retention Support;U9ZG0PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support;H4518E HP Network Installation Service with Network Setup
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;N7P47A 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
Acoustic power emissions	6.3 B(A)
Acoustic power emissions (sleep)	<3.4 B(A)
Acoustic power emissions (standby)	5.1 B(A)
Acoustic pressure emissions	45 dB(A)
Acoustic pressure emissions (sleep)	<16 dB(A)
Acoustic pressure emissions (standby)	33 dB(A)
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
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	0.0031 in (ISO/IEC 13660:2001(E))[6]
Guaranteed minimum line width	0.08 mm (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	A, B, C, D, E
Media sizes supported	A4, A3, A2, A1, A0
Media sizes, custom	8.3 x 11 to 44 x 66 in
Media sizes, custom	210 x 279 to 1118 x 1676 mm
Media thickness	Up to 0.8 mm

Media thickness	Up to 31.5 mil
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Media weight, recommended	80 to 500 g/m²
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)	5 x 17 x 5 x 5 mm
Non-printable area (cut-sheet)	0.2 x 0.67 x 0.2 x 0.2 in
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 104ºF
Operating temperature range	5 to 40ºC
Package dimensions (W x D x H)	1950 x 766 x 718 mm
Package dimensions (W x D x H)	76.8 x 30.2 x 28.3 in
Package weight	137 kg
Package weight	302 lb
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
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	769 ft²/hr[1]
Print speed	71.4 m²/hr[1]
Print speed color image (best, glossy paper)	48 ft²/hr[1]

Print speed color image (best, glossy paper)	4.5 m²/hr[1]
Print speed color image (draft, coated paper)	538 ft²/hr[1]
Print speed color image (draft, coated paper)	50 m²/hr[1]
Print speed color image (normal, coated paper)	17.2 m²/hr[1]
Print speed color image (normal, coated paper)	185 ft²/hr[1]
Print speed color image (normal, glossy paper)	8.6 m²/hr[1]
Print speed color image (normal, glossy paper)	93 ft²/hr[1]
Print technology	HP Thermal Inkjet
Printer drivers included	Raster and PostScript drivers for Windows and macOS; PDF driver for Windows
Product logos	Adobe PostScript 3; Adobe PDF Print Engine 4; ENERGY STAR; EPEAT Silver; Gold IPv6 Ready; HP DreamColor Technologies; HP Pixel Control; i1 Color Technology; Mac; PANTONE* Digital Color; Windows 10 Compatible
Recommended media	Q6581A HP Universal Instant-dry Satin Photo Paper (FSC® certified)[11] (Recyclable)[12] 1067 mm x 30.5 m (42 in x 100 ft);E4J57A HP Artist Matte Canvas 1118 mm x 15.2 m (44 in x 50 ft);C6569C HP Heavyweight Coated Paper (FSC® certified)[11] (Recyclable)[12] 1067 mm x 30.5 m (42 in x 100 ft);CH025A HP Everyday Matte Polypropylene, 2 Pack (Recyclable)[12] 1067 mm x 30.5 m (42 in x 100 ft);CG460B HP Premium Matte Photo Paper (FSC® certified)[11] (Recyclable)[12] 914 mm x 30.5 m (36 in x 100 ft)
Roll external diameter	5.3 in
Roll external diameter	135 mm
Roll maximum input	2
Roll maximum weight	13.5 kg
Roll maximum weight	29.8 lb
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 131ºF
Storage temperature range	-25 to 55ºC
Supported Primary Applications	Digital fine art; Exhibition and event graphics; Graphics design; Photos; Point of sale/display; Posters

Theoretical minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Theoretical minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Web address for additional information	http://www.hp.com/go/designjetZ9

Scanners

Large Format Scanners

HP HD Pro 42-in Scanner	G6H51B
HP SD Pro 44-in Scanner	G6H50B

Accessories

Paper Handling

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

Docking and Port Replicators

Port Replicators

HP USB 3.0 to Gigabit LAN Adapter	N7P47AA

Ink/Toner/Paper/Printer Supplies

Ink Supplies

HP Graphic Arts Inks/Printheads

HP 747 300-ml Chromatic Green DesignJet Ink Cartridge	P2V84A
HP 747 300-ml Gray DesignJet Ink Cartridge	P2V86A
HP 747 300-ml Gloss Enhancer DesignJet Ink Cartridge	P2V87A
HP 746 300-ml Photo Black DesignJet Ink Cartridge	P2V82A
HP 746 300-ml Chromatic Red DesignJet Ink Cartridge	P2V81A
HP 746 DesignJet Printhead	P2V25A
HP 746 300-ml Yellow DesignJet Ink Cartridge	P2V79A
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 747 300-ml Chromatic Blue DesignJet Ink Cartridge	P2V85A

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