



HP DesignJet Z9+ 44-in PostScript Printer (W3Z72A)

Overview



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

Deliver photo-quality prints 2.5 times faster^[1] without losing quality. 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.^[5]

FAST—Work without delays

[1] 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.

[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.

[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	94 kg
Weight	207 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	1 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;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)	6.0 B(A) (operating), 5.1 B(A) (idle), <3.4 B(A) (sleep)
Acoustic pressure emissions	42 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
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
Datasheet photo 1	AHID/04f4aba892e040d163c5fbcfa81ee41a17a5a918
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	Roll feed, rear sheet feed, media output bin, automatic horizontal cutter
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	1118 mm
Media width, maximum	44 in
Memory	128 GB (virtual)[9]
Model size	44 in
Model size	1118 mm
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)	5 x 5 x 5 x 5 mm (borderless on selected media[3])
Non-printable area (roll media)	0.2 x 0.2 x 0.2 x 0.2 in (borderless on selected media[3])
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	5 to 40°C
Operating temperature range	41 to 104°F
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	286 lb
Package weight	130 kg
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 speed color image (best, glossy paper)	48 ft ² /hr (4.5 m ² /hr) [1]
Print speed color image (best, glossy paper)	4.5 m ² /hr[1]

Print speed color image (draft, coated paper)	50 m ² /hr[1]
Print speed color image (draft, coated paper)	538 ft ² /hr[1]
Print speed color image (normal, coated paper)	185 ft ² /hr (17.2 m ² /hr)[1]
Print speed color image (normal, coated paper)	17.2 m ² /hr[1]
Print speed color image (normal, glossy paper)	8.6 m ² /hr[1]
Print speed color image (normal, glossy paper)	93 ft ² /hr[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 PostScript 3; Adobe PDF Print Engine 4; ENERGY STAR; EPEAT; Gold IPv6 Ready; 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	1
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, print 1	AHID/b504e7ab8574fb23f7819bf5367141da989eb4bc
Technology logo, print 2	AHID/dd10df59ca167ea78eeef7e5b2e698a795b131d7
Technology logo, print 3	AHID/95142d0f2ba4b6d45a004d774f64f5f379ea070e
Technology logo, print 4	AHID/144984100f6be00f5e0a755d1ebe01bdb5995d30
Technology logo, print 5	AHID/93a68b8d94fd3b1ed6cdc04da868ac9d4e2a7fdd
Technology logo, print 6	AHID/f66066af9c3f6d857c2749e7ca70ce0a2a1aa021
Technology logo, print 7	AHID/7dd1fab03b56b0736cb73329b53d542f8c74700a
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	(ABA) 194441079944; (B1K) 192018667716
Web address for additional information	http://www.hp.com/go/designjetZ9

Services

HP Care Pack Services

★ : Recommended

Graphics Solutions Care Pack Services

HP 2 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZA5E ★
HP 3 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZA6E ★
HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZA8E ★
HP 1 year Post Warranty NBD Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZA9PE ★
HP Network Installation Service for DesignJet High-end and Midrange	H4518E ★
HP 2 year Post Warranty NBD Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZB0PE
HP 4 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet Z9-44 1 roll	U9ZA7E
HP Excessive Installation Service for HP DesignJet Series	U46TYE
HP Maintenance Kit Replacement Service for DesignJet Z6 and Z9 Series (PMK3 Cutter)	U9ZY6E
HP Maintenance Kit Replacement Service for DesignJet Z9 Series (PMK2 Service Station)	U9ZX8E
HP Maintenance Kit Replacement Service for DesignJet Z9-44 (PMK1 Scan Axis)	U9ZX5E

Large Format Printing Services

DesignJet Services

HP DesignJet Printer Services	DJSVCOV
-------------------------------	---------

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

HP 775M/776M 1-liter Chromatic Blue Ink Cartridge	3WW86A
HP 775M/776M 1-liter Chromatic Green Ink Cartridge	3WW87A
HP 775M/776M 1-liter Chromatic Red Ink Cartridge	3WW84A
HP 775M/776M 1-liter Cyan Ink Cartridge	3WW81A
HP 775M/776M 1-liter Gray Ink Cartridge	3WW88A
HP 775M/776M 1-liter Magenta Ink Cartridge	3WW82A
HP 775M/776M 1-liter Matte Black Ink Cartridge	3WW85A
HP 775M/776M 1-liter Photo Black Ink Cartridge	3WW80A
HP 775M/776M 1-liter Yellow Ink Cartridge	3WW83A
HP 776 500-ml Gloss Enhancer Ink Cartridge	1XB06A
HP 777 DesignJet Maintenance Cartridge	3ED19A
HP 777 DesignJet Printhead	3EE09A

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
-------------------------------	--------

Docking and Port Replicators

Port Replicators

HP USB 3.0 to Gigabit LAN Adapter	N7P47AA	obsolete
-----------------------------------	---------	----------

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	obsolete
HP SD Pro 44-in Scanner	G6H50D	obsolete

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

Disclaimer — Copyright

© Copyright 2022 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Generated by Dynamic Collateral Tool – (us-en) – Nov 12, 2022 12:53 AM UTC+0000