HP DesignJet Z6 44-in PostScript Printer (T8W16A)

Overview

High-definition prints, fast and secure. More quality with fewer inks.

Read details more clearly and see high-contrast color with new high-definition HP printheads. HP Pixel Control enables smooth gradients, and the integrated vertical trimmer streamlines finishing. [3] Handle complex files and secure your printers/data.

PRECISE—Clearly distinguish subtle details

Read details more clearly and see high-contrast color with new high-definition HP printheads.

SECURE—Protect your work and your information

Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, and encrypted hard disk.

FAST—Work without delays

Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.[2]

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[2] The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit https://www.adobe.com/products/pdfprintengine.html

[3] Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only.

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	86 kg
Weight	189 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 Z6 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;Q6709A HP DesignJet 44-in Spindle;1QF38A HP DesignJet 44-in Take-up Reel
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)
Color Stability	< 1 dE2000 in less than 5 minutes[7]
Color(s) of printing supplies	Cyan, magenta, yellow, matte black, photo black, chromatic red
Datasheet photo 1	AHID/ad7bae1b36db0355d5dc0aae3a83213bd6761d3a
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	0.0031 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); 6 pl single-drop weight (Y, CR, MK)
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[7]
Media sizes standard (metric rolls)	279 to 1118-mm
Media sizes standard (sheets, rolls)	11 to 44-in
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/m²
Media width, maximum	44 in
Media width, maximum	1118 mm
Memory	128 GB (virtual)[8]

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)	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	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
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)	76.8 x 30.2 x 28.3 in
Package dimensions (W x D x H)	1950 x 766 x 718 mm
Package weight	271 lb
Package weight	123 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)
Print head nozzles	2112 per color; 12,672 in total
Print heads	3 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[7]
Print speed	Fast: 80.5 m²/hr on plain media; Normal: 18.8 m²/hr on coated media; Best: 9.7 m²/hr on glossy media[1]
Print speed	Fast: 866 ft²/hr on plain media; Normal: 202 ft²/hr on coated media; Best: 104 ft²/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; IPv6 Ready; Mac; Windows 10 Compatible

Recommended media	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[10] (Recyclable)[11]; HP Artist Matte Canvas; HP Heavyweight Coated Paper (FSC® certified)[10] (Recyclable)[11]; HP Everyday Matte Polypropylene (Recyclable)[11]; HP Premium Matte Photo Paper (FSC® certified)[10] (Recyclable)[11]
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 131ºF
Storage temperature range	-25 to 55ºC
Supported Primary Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; 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/6615658f92b8dd21f3c5b78f3bea628bd257123b
Technology logo 7	AHID/0e41ea2a916263d4c3403cc03016fcaae7311969
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) 194441079890; (ABG) 192018667587; (ACJ) 196068887469; (B19) 192018667556; (B1K) 192018667563; (BCD) 192018667570
Web address for additional information	http://www.hp.com/go/designjetZ6

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

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

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

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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