

HP DesignJet Z6 PostScript Printer series



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



PRECISE—Clearly distinguish subtle details

- Read details more clearly and see high-contrast color with new high-definition HP printheads.
- No need for light inks with HP's dual drop technology.
- Get smooth gradients, even for challenging color combinations, with HP Pixel Control.
- Work with water- and fade-resistant prints, indoors and out, with HP Vivid Photo Inks.¹

FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.²
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.³
- Print up to 20% faster⁴ with 2400 nozzle-per-inch, high-definition HP printheads.
- Spend less time on media changes and adjustments with dual roll support and automatic roll switching.³

SECURE—Protect your work and your information

- Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, and encrypted hard disk.
- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.⁵
- Secure your printers with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.

Sustainability in action

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

Messaging Footnotes

¹ Performance may vary based on writing system differences. Print permanence estimates by HP Image Permanence Lab based on the same formulation of HP Vivid Photo Inks used with the HP DesignJet Z6200 Photo Production Printer, using 6 inks. Water resistance performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab on a range of HP media. For more information, see <http://www.HPLFMedia.com/printpermanence>

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.

⁴ Based on internal HP testing. Up to 20% faster printing compared to the HP DesignJet Z2600 PostScript® Printer and HP DesignJet Z5600 PostScript® Printer. May vary depending on print mode and media type.

⁵ Card reader functionality enabled through optional third-party solutions.

For more information, please visit <http://www.hp.com/go/designjetZ6>



Technical specifications

Print		for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream
Print speed	24-in; Fast: 720 ft ² /hr on plain media; Normal: 164 ft ² /hr on coated media; Best: 85 ft ² /hr on glossy media; 44-in; Fast: 866 ft ² /hr on plain media; Normal: 202 ft ² /hr on coated media; Best: 104 ft ² /hr on glossy media ¹	
Print resolution	Up to 2400 x 1200 optimized dpi	
Technology	HP Thermal Inkjet	
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (borderless on selected media ³ , or on all media with V-Trimmer ⁴); Sheet: 0.2 x 0.67 x 0.2 x 0.2 in	
Ink types	Pigment-based	
Print Cartridges/Bottle, Number	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)	
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)	
Print cartridge/bottle volume delivered	HP 746 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml)	
Printheads	3 universal printheads (valid for all colors)	
Printhead nozzles	2112 per color; 12,672 in total	
Line accuracy	±0.1% ⁵	
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)	
Guaranteed minimum line width	0.0031 in (ISO/IEC 13660:2001(E)) ⁶	
Short-term color stability	< 1 dE2000 in less than 5 minutes ⁷	
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000 ⁷	
Max optical density	4 L* min/2.5 D ⁷	
Media		
Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters	
Handling	Single-roll: Roll feed, rear sheet feed, media output bin, automatic horizontal cutter; Dual-roll: 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 canvases)	
Roll size	24-in: 11 to 24-in; 44-in: 11 to 44-in	
Maximum roll diameter	5.3 in	
Sheet/board size	24-in: 8.3 x 11 to 24 x 66 in; 44-in: 8.3 x 11 to 44 x 66 in	
Standard sheets/boards		
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit	
Embedded controller		
Memory	128 GB (virtual) ⁸	
Hard disk	500 GB self-encrypting	
Native print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL	
Connectivity		
Interfaces	Gigabit Ethernet (1000Base-T) (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive	
Printing paths	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	

Ordering information

Product	
HP DesignJet Z6 PostScript Printer series	
T8W15A	HP DesignJet Z6 24-in PostScript Printer
T8W16A	HP DesignJet Z6 44-in PostScript Printer
T8W18A	HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer
Accessories	
1QF38A	HP DesignJet 44-in Take-up Reel
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
8SW00A	HP SmartStream USB Preflight Manager
8SW00AAE	HP SmartStream Preflight Manager
8SW01A	HP SmartStream Print Controller USB for HP DesignJet Printers
8SW01AAE	HP SmartStream Print Controller for HP DesignJet Printers
8SW11A	HP SmartTracker USB for DesignJet
8SW11AAE	HP SmartTracker for DesignJet
CN538A	HP DesignJet 3-in Core Adapter
CQ783A	HP DesignJet 24-in Spindle
O6709A	HP DesignJet 44-in Spindle

Original HP printing supplies

P2V25A	HP 746 DesignJet Printhead
P2V78A	HP 746 300-ml Magenta DesignJet Ink Cartridge
P2V79A	HP 746 300-ml Yellow DesignJet Ink Cartridge
P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
P2V82A	HP 746 300-ml Photo Black DesignJet Ink Cartridge
P2V83A	HP 746 300-ml Matte Black DesignJet Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit <https://hp.com/go/OriginalHPInks>

Original HP large format printing materials

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
 For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.
 HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit <http://www.hp.com/go/cpc>

Specification Footnotes

- Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
- Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
- Borderless printing available on photo gloss, photo satin, polypropylene, and backlit roll media.
- Except self-adhesive vinyls and non-cuttable medias.
- ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
- Measured on HP Matte Film.
- With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
- Based on 4 GB RAM.
- Not included in the box for 24-in models.
- BMG trademark license code FSC[®]-C115319, see <http://www.fsc.org>. HP trademark license code FSC[®]-C017543, see <http://www.fsc.org>. Not all FSC[®]-certified products are available in all regions.
- Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

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February 2025

