

# HP DesignJet Z6 PostScript® Printer series



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



\*Product image may differ from actual product

## PRECISE—Clearly distinguish subtle details

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

## FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.<sup>2</sup>
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.<sup>3</sup>
- Print up to 20% faster<sup>4</sup> 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.<sup>3</sup>

## 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.<sup>5</sup>
- Secure your printers with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.

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

<sup>1</sup>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.HPILMedia.com/printpermanence>

<sup>2</sup>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>

<sup>3</sup>Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only.

<sup>4</sup>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.

<sup>5</sup>Card reader functionality enabled through optional third-party solutions.

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

# Technical specifications

Print	
Print speed	Fast: 80.5 m <sup>2</sup> /hr on plain media; Normal: 18.8 m <sup>2</sup> /hr on coated media; Best: 9.7 m <sup>2</sup> /hr on glossy media <sup>1</sup>
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: Borderless on all media with V-Trimmer <sup>4</sup> Sheet: 5 x 17 x 5 x 5 mm
Ink types	Pigment-based
Print Cartridges, 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 volume	HP 746 Ink Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml)
Printheads	3 universal printheads (valid for all colours)
Printhead nozzles	2112 per colour; 12,672 in total
Line accuracy	±0.1% <sup>5</sup>
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E)) <sup>6</sup>
Short-term color stability	<1 dE2000 in less than 5 minutes <sup>7</sup>
Long-term print-to-print repeatability	Average < 0.5 dE2000, 95% of colours < 1.4 dE2000 <sup>7</sup>
Max optical density	4 L* min/2.5 D <sup>7</sup>
Media	
Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
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)
Maximum media width	1118 mm
Media rolls	2
Roll size	279 to 1118-mm
Maximum roll weight	13.5 kg
Maximum roll diameter	135 mm
Sheet size	210 x 279 to 1118 x 1676 mm
Standard media sizes supported	A4, A3, A2, A1, A0
Media Weight Recommended	80 to 500 g/m <sup>2</sup>
Media thickness (maximum)	Up to 0.8 mm
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Embedded controller	
Memory	128 GB (virtual) <sup>8</sup>
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

## Ordering information

Product	
TBW18A	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
G6H50B	HP SD Pro 44-in Scanner
Q6709A	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

## Specification Footnotes

<sup>1</sup> Maximum rate of output for colour image 100% colour coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.

<sup>2</sup> Mechanical printing time with Original HP Vivid Photo Inks.

<sup>3</sup> Except self-adhesive vinyls and non-cuttable medias.

<sup>4</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.

<sup>5</sup> Measured on HP Matte Film.

<sup>6</sup> Based on 4 GB RAM.

<sup>7</sup> 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.

<sup>8</sup> 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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