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.[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% faster[4] 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.

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

POWERED BY Adobe PDF Print Engine | Adobe® PostScript® 3™ | ENERGY STAR | epeat | HP Pixel Control | R6 READY | Mac | Windows10 Compatible

Datasheet

Technical specifications

Print

Print speed	Fast: 66.9 m²/hr on plain media; Normal: 15.2 m²/hr on coated media; Best: 7.9 m²/hr on glossy media[1]
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm (borderless on selected media[3]) 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%[5]
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Guaranteed minimum line width	0.08 mm (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 colours < 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	Roll feed, rear sheet feed, media output bin, automatic horizontal cutter
Maximum media width	610 mm
Media rolls	1
Roll size	279 to 610-mm
Maximum roll weight	7.5 kg
Maximum roll diameter	135 mm
Sheet size	210 x 279 to 610 x 1676 mm
Standard media sizes supported	A4, A3, A2, A1
Media Weight Recommended	80 to 500 g/m²
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)[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 for Chrome OS, HP Print Service Plugin for Android, HP Smart app for iOS and Android, HP SmartStream
Mobile printing features	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android.
Drivers	Raster and PostScript drivers for Windows and macOS; PDF driver for Windows 8 and above
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

Dimensions (W x D x H)

Product	1293 x 695 x 998 mm
Shipping	1440 x 766 x 718 mm

Weight

Product	66 kg
Shipping	97 kg

Included

What's in the box	HP DesignJet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, quick reference guide, setup poster, power cord
HP Software and solutions	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)

Environmental ranges

Operating temperature	5 to 40ºC
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55ºC

Acoustics

Sound pressure	Printing: 42 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Sound power	Printing: 6.0 B(A) (operating), 5.1 B(A) (idle), <3.4 B(A) (sleep)

Power

Consumption	<100 W (printing); <32 W (ready); <6.5 W (sleep); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

Certifications & Compliance

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)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS)
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; ENERGY STAR® certified; EPEAT® registered
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
Warranty	One-year limited hardware warranty
Country of origin	China(ACJ, BCD, B1K, ABG, B19); Thailand(B1K)

Ordering information

Product

T8W15A	HP DesignJet Z6 24-in PostScript Printer

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

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.

Service and Support

U9WQ0E HP 3 year Next Business Day plus Defective Media Retention Support
U9YX8E HP 5 year Next Business Day plus Defective Media Retention Support
U9YX9PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
H4518E HP Network Installation Service with Network Setup

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

[1] Maximum rate of output for colour image 100% colour coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
[2] Mechanical printing time with Original HP Vivid Photo Inks.
[3] Borderless printing available on photo gloss, photo satin, polypropylene, and backlit roll media.
[5] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
[6] Measured on HP Matte Film.
[8] Based on 4 GB RAM.
[10] 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.
[11] 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.

January 2026