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.[2]

FAST—Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.[3]

- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.[1]

- 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.[1]

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.

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

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

[2] 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.

[3] 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 http://www.adobe.com/products/pdfprintengine.

[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.

Technical specifications

Print

Max print speed	80.5 m²/hr[1] (866 ft²/hr[1]) on plain media
Color images	Normal: 18.8 m²/hr[1] (202 ft²/hr[1]) on coated media Best: 9.7 m²/hr[1] (104 ft²/hr[1]) on glossy media
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 5 x 5 x 5 x 5 mm (borderless on selected media[3], or on all media with V-Trimmer[4]) (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: 5 x 17 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)
Ink types	Pigment-based
Ink cartridges	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)
Printheads	3 universal printheads (valid for all colors)
Line accuracy	±0.1%[5]
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi) (0.0008 in (PDF addressable @ 1200 dpi))
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E)[6] (0.0031 in (ISO/IEC 13660:2001(E)[6])

Image quality

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

Handling	Single-roll: Roll feed, top 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 canvas)
Sheet size	24-in: 210 x 279 to 610 x 1676 mm; 44-in: 210 x 279 to 1118 x 1676 mm;
Roll size	24-in: 279 to 610-mm; 44-in: 279 to 1118-mm; (24-in: 11 to 24-in; 44-in: 11 to 44-in)
Standard sheets	24-in: A4, A3, A2, A1; 44-in: A4, A3, A2, A1, A0;
Weight	80 to 500 g/m²
Thickness	Up to 0.8 mm (Up to 31.5 mil)

Applications

Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters

Memory

128 GB (virtual)[8]; 500 GB self-encrypting hard disk

Connectivity

Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive
Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
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)

Printer	24-in: 1293 x 695 x 998 mm; 44-in: 1802 x 695 x 998 mm
Shipping	24-in: 1440 x 766 x 718 mm; 44-in: 1950 x 766 x 718 mm

Weight

Printer	66-96 kg
Shipping	97-132 kg

What's in the box

HP DesignJet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter[9], quick reference guide, setup poster, power cord

Software included

Printer drivers, HP Click, HP Web Jetadmin, HP JetAdvantage Security Manager, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP MPS

Environmental ranges

Operating temperature	5 to 40ºC
Operating humidity	20 to 80% RH

Acoustics

Sound pressure	42-45 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)
Sound power	6.0-6.3 B(A) (operating); 5.1 B(A) (idle); <3.4 B(A) (sleep)

Power

Consumption	< 100 W (printing); < 32 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

Certification

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 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)
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver
Warranty	One-year limited hardware warranty

Ordering information

Product

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

CQ783A	HP DesignJet 24-in Spindle
N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
CN538A	HP DesignJet 3-in Core Adapter
Q6709A	HP DesignJet 44-in Spindle
1QF38A	HP DesignJet 44-in Take-up Reel
G6H51B	HP HD Pro 42-in Scanner
G6H50B	HP SD Pro 44-in Scanner

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

Original HP large format printing materials

Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[8] (Recyclable)[9] 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)[8] (Recyclable)[9] 1067 mm x 30.5 m (42 in x 100 ft)
CH025A	HP Everyday Matte Polypropylene, 2 Pack (Recyclable)[9] 1067 mm x 30.5 m (42 in x 100 ft)
CG460B	HP Premium Matte Photo Paper (FSC® certified)[8] (Recyclable)[9] 914 mm x 30.5 m (36 in x 100 ft)

Service and support

U7VB9E	HP Installation Service Moderate Level
U9WQ0E	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in
U9YZ1E	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in
U9ZE2E	HP 3 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in
U9YX8E	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in
U9YZ3E	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in
U9ZE4E	HP 5 year Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in
U9YX9PE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6 24in
U9YZ4PE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6 44in
U9ZE5PE	HP 1 year Post Warranty, Next Business Day with Defective Media Retention Support for HP DesignJet Z6dr 44in

HP DesignJet Support Services offer solutions for business critical environments—installation, extended support and maintenance, as well as variety of value-added services. For more information, please visit **hp.com/go/designjetsupport**.

Use **Original HP inks** 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 **hp.com/go/OriginalHPinks**.

For the entire **HP Large Format Printing Materials** portfolio, please see **HPLFMedia.com**.

Eco Highlights

- ENERGY STAR® certified[1], EPEAT® Silver registered as environmentally preferable product[2]
- Breakthrough color consistency can help reduce unnecessary reprints
- Printer made from 30% post-consumer recycled plastic; free HP printing supplies recycling[3]
- FSC®-certified papers[4], range of recyclable HP media with a take-back program[5]

Please recycle large-format printing hardware and printing supplies. Find out how at our website
hp.com/ecosolutions

[1] ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
[2] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[3] Program availability varies. Please check http://www.hp.com/recycle for details.
[4] 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.
[5] HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

[1] Maximum rate of output for color image 100% color coverage. Printed in Economode, on HP Bright White Inkjet Paper (bond), maximum roll size, with Original HP Vivid Photo Inks. Measured on a 44-in printer.
[2] Mechanical printing time with Original HP Vivid Photo Inks. Measured on a 44-in printer.
[3] Borderless printing available on photo, polypropylene, and backlit roll media.
[4] Except self-adhesive vinyls and non-cuttable medias.
[5] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
[6] Measured on HP Matte Film.
[7] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[8] Based on 4 GB RAM.
[9] Not included in the box for 24-in models.
[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.

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Adobe PDF Print Engine

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