Datasheet

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 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.[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 unauthorised 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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: http://www.hp.com/go/learnaboutsupplies

[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 capitalise 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	
Print speed	24-in: Up to 66.9 m²/hr[1] (Up to 720 ft²/hr[1]) on plain media; 44-in: Up to 85.1 m²/hr[1] (Up to 916 ft²/hr[1]) on plain media Normal: 1.4 min/page[2] on A1/D or up to 22.7 m²/hr[1] (244 ft²/hr[1]) on coated media Best: 3.7 min/page[2] on A1/D or up to 8 m²/hr[1] (86 ft²/hr[1]) on glossy media
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 select media[3], and on all media when using V-Trimmer[4]) (0.2 x 0.2 x 0.2 x 0.2 in (borderless on select media[3], and on all media when using 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 colours)
Line accuracy	±0.1%
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Guaranteed minimum line width	0.08 mm (ISO/IEC 13660:2001(E))
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)
Media types	Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit
Sheet size	24-in: 210 x 279 to 610 x 1676 mm; 44-in: 210 x 279 to 1118 x 1676 mm; (24-in: 8.3 x 11 to 24 x 66 in; 44-in: 8.3 x 11 to 44 x 66 in)
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)
Grammage	80 to 500 g/m²
Memory	128 GB (virtual)[5]; 500 GB self-encrypting hard disk
Connectivity	
Interfaces	10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
Print languages (standard)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL
Mobile printing features	Direct print for mobile apps for 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
Dimensions (w x d x h)	
Printer	24-in: 1293 x 695 x 998 mm (50.9 x 27.4 x 39.3 in); 44-in: 1802 x 695 x 998 mm (71 x 27.4 x 39.3 in)
Shipping	24-in: 1440 x 766 x 718 mm (56.7 x 30.2 x 28.3 in); 44-in: 1950 x 766 x 718 mm (76.8 x 30.2 x 28.3 in)
Weight	
Printer	24-in: 66 kg (145 lb); 44-in: 86 kg (189 lb)
Shipping	24-in: 97 kg (214 lb); 44-in: 123 kg (271 lb)
What's in the box	HP DesignJet Z9+ PostScript Printer; Printheads; Introductory ink cartridges; Printer stand and media bin; Spindle; 7.62 cm (3 in) core adapter[6]; Quick reference guide; Setup poster; Power cord
Software included	Free: HP Applications Center, HP Click, printer drivers, HP DesignJet Utility including HP Color Center, HP Partner Link Pay-per-use, HP PrintOS, HP Web JetAdmin; Pay: HP JetAdvantage Security Manager
Environmental ranges	
Operating temperature	5 to 40ºC (41 to 104ºF)
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 (sleep) (< 6.5 W with embedded Digital Front End); 0.1 W (off)
Requirements	Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Certification	
Safety	EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (EAC)
Electromagnetic	Compliant with Class B requirements, including: EU (EMC Directive), South Africa (SABS)
Environmental	ENERGY STAR; ErP; WEEE; RoHS (EU); 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

N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
CN538A	HP DesignJet 3-in Core Adapter
Q6700A	HP DesignJet Z/T1xxx/T6xx 24-in Spindle
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

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 **hp.com/go/OriginalHPinks**.

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 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**.

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 colour 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 colour image 100% colour 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] Based on 4 GB RAM.
[6] Not included in the box for 24-in models.

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