Data sheet

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
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: hp.com/go/learnaboutsupplies

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1   Vertical trimmer and dual rolls included with the HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer only. Up to 20% reduction in post-processing labor time based on internal HP testing compared to HP DesignJet Z6 series printers without built-in vertical trimmer.

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 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 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	916 ft²/hr[1] (85.1 m²/hr[1]) on plain media
	Color images	Normal: 1.4 min/page[2] on A1/D or up to 22.7 m²/hr1 (244 ft²/hr1) on coated media Best: 3.7 min/page2 on A1/D or up to 86 ft²/hr[1] (8 m²/hr[1]) on glossy media
	Print resolution	p 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 select media[3], and on all media when using V-Trimmer[4]) (5 x 5 x 5 x 5 mm (borderless on select media3, and on all media when using V-Trimmer[4])) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 17 x 5 x 5 mm)
	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)
Image quality	Short-term color stability	< 1 dE2000 in less than 5 minutes[5]
	Long term print-to-print repeatability	Average < 0.5 dE2000, 95% of colors < 1.4 dE2000[5]
	Maximum optical density	4 L* min/2.5 D[5]
Media	Handling	Single-roll: Roll feed, front sheet feed, media output bin, automatic horizontal cutter; Dual-roll: Two automatic roll feeds, smart roll-switching, front sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts allHP Z-series printer-qualified media, including most all canvas. Does not Support HP Adhesive media or canvas with hard stiff meses.)
	Sheet size	24-in: 8.3 x 11 to 24 x 66 in; 44-in: 8.3 x 11 to 44 x 66 in; (24-in: 210 x 279 to 610 x 1676 mm; 44-in: 210 x 279 to 1118 x 1676 mm)
	Roll size	24-in: 11 to 24-in; 44-in: 11 to 44-in; (24-in: 279 to 610-mm; 44-in: 279 to 1118-mm)
	Standard sheets	24-in: A, B, C, D; 44-in: A, B, C, D, E; (24-in: A4, A3, A2, A1; 44-in: A4, A3, A2, A1, A0)
	Weight	Up to 500 g/m²
	Thickness	Up to 31.5 mil (Up to 0.8 mm)
Applications		Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
Memory		128 GB (virtual)[6]; 500 GB self-encrypting hard disk
Connectivity	Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 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
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	50.9 x 27.4 x 39.3 in (1293 x 695 x 998 mm)
	Shipping	56.7 x 30.2 x 28.3 in (1440 x 766 x 718 mm)
Weight	Printer	145 lb (66 kg)
	Shipping	214 lb (97 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[7], 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: 41 to 104ºF (5 to 40ºC)
		Operating humidity: 20 to 80% RH
Acoustic	Sound pressure	42 dB(A) (operating); 33 dB(A) (idle); <16 dB(A) (sleep)
	Sound power	6.0 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	T8W18A	HP DesignJet Z6dr 44-in PostScript® Printer with V-Trimmer
	T8W16A	HP DesignJet Z6 44-in PostScript® Printer
	T8W15A	HP DesignJet Z6 24-in PostScript® Printer
Accessories	N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
	CN538A	HP DesignJet 3-in Core Adapter
	Q6700A	HP DesignJet 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 ink cartridges and printheads	P2V81A	HP 746 300-ml Chromatic Red DesignJet Ink Cartridge
	P2V80A	HP 746 300-ml Cyan DesignJet Ink Cartridge
	P2V78A	HP 746 300-ml Magenta DesignJet Ink Cartridge
	P2V83A	HP 746 300-ml Matte Black DesignJet Ink Cartridge
	P2V82A	HP 746 300-ml Photo Black DesignJet Ink Cartridge
	P2V79A	HP 746 300-ml Yellow DesignJet Ink Cartridge
	P2V25A	HP 746 DesignJet Printhead
Original HP large format printing materials	Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[8]🌼[9] 42 in x 100 ft (67 mm x 30.5 m)
	C0F20A	HP Everyday Adhesive Matte Polypropylene, 2 Pack 42 in x 75 ft (1067 mm x 22.9 m)
	E4J57A	HP Artist Matte Canvas 44 in x 50 ft (1118 mm x 15.2 m)
	Y3Z17A	HP Everyday Blockout Display Film 36 in x 100 ft (914 mm x 30.5 m)
	Q6627B	HP Super Heavyweight Plus Matte Paper (FSC® certified)[8]🌼[9] 36 in x 100 ft (914 mm x 30.5 m)
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.

Use HP Photo Inks and printheads to experience consistent high-quality and reliable performance that enable less downtime and increased productivity. These critical printing system components are designed and engineered together to provide optimized efficiency, a wide color gamut, and prints with over 200 years fade resistance[16]. For more information, visit hp.com/go/OriginalHPinks.

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

Eco Highlights

- Save paper with two roll configuration, print image nesting, blank print area detection, image auto rotate, and realistic print previews
- Less ink wasted thanks to efficient installation and maintenance routines
- Free, convenient cartridge and printhead recycling[1]

[1] Program availability varies. Please check hp.com/recycle for details.
Please recycle large-format printing hardware and printing supplies. Find out how at our website: hp.com/ecosolutions

[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] With HP Premium Instant-dry Satin Photo Paper with HP Vivid Photo Inks.
[6] Based on 4 GB RAM.
[7] Not included in the box for 24-in models.
[8] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
[9] 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 HPLFMedia.com/hp/ecosolutions for details.