HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer



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 highcontrast 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.1

FAST-Work without delays

- Handle even the most complex files with powerful processing architecture and the Adobe PDF Print Engine.
- Cut maps to different sizes in fewer steps with the first printer including an integrated vertical trimmer.
- Print up to 20% faster⁴ with 2400 nozzleper-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.

Dynamic security enabled printer. Contains technology that may prevent cartridges with non-HP chips or circuitry from working now or in the future. 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 Design Jet Z6200 Photo Performance may vary based on writing system differences. Print permanence estimates by HP image Permanence Lab based on the same formulation of HP vivia Photo inks used with the HP DesignJet 26200 Phot 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 Printer and Printer Prin 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

















Technical specifications

Print	
Print speed	Fast: $80.5m^2/hr$ on plain media; Normal: $18.8m^2/hr$ on coated media; Best: $9.7m^2/hr$ on glossy media 1
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins (roll)	Borderless on all media with V-Trimmer ⁴
Margins (sheet)	5 x 17 x 5 x 5 mm
Ink types	Pigment-based
Print Cartridges/Bottle, Number	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
Print cartridge/bottle volume delivered	HP 746 lnk Cartridge: cyan, magenta, chromatic red, yellow, matte black, photo black (300 ml) $$
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)
Printhead nozzles	2112 per color; 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 colors < 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	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)
Rolls	Media rolls: 2; Roll size: 279 to 1118-mm; Maximum roll weight: 13.5 kg; Maximum roll diameter: 135 mm;
Maximum media width	1118 mm
Sheet size	210 x 279 to 1118 x 1676 mm
Standard sheets	A4, A3, A2, A1, A0
Recommended Grammage	80 to 500 g/m ²
Thickness	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-RTI
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 10/1.1/1.2, 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 (WxDxH)	
Product	1802 x 695 x 998 mm
Shipping	1950 x 766 x 718 mm
Weight	
Product	96 kg
Shipping	132 kg
Included	
What's in the box	HP Design.Jet Z6 PostScript Printer, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter, quick reference guide, setup poster, power cord
HP Software and solutions	HP Click printing software, HP PrintOS, HP Web Jetadmin, HP Design.Jet Utility including HP Color Center, HP Partner Link, HP JetAdvantage Security Manager (optional), HP SmartStream (optional), HP SmartTracker (optional)
Environmental ranges	
Operating temperature	5 to 40°C
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55°C
Acoustics	
Sound pressure	Printing: 45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A) (sleep)
Sound power	Printing: 6.3 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
Certification	
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; Compatible with FSC*-certified HP large format printing materials and HP Recycled Satin Canvas, and a range of recyclable HP media with a take-back program; ENERGY STAR* certified; EPEAT* registered
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)
Electromagnetic	(ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China

Ordering information

Product	
T8W18A	HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer
Accessories	
1QF38A	HP DesignJet 44-in Take-up Reel
5EK00D	HP HD Pro 2 42-in Scanner
5EK01D	HPSD Pro 244-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

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 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

U9ZE2E HP 3 year Next Business Day plus Defective Media Retention Support
U9ZE4E HP 5 year Next Business Day plus Defective Media Retention Support
U9ZE5PE 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

Original HP printing supplies

3WX37A 3WX38A P2V25A

P2V81A

ig Supplies

HP 746B 300-ml Photo Black Design Jet Ink Cartridge
HP 746B 300-ml Cyan Design Jet Ink Cartridge
HP 746B 300-ml Magenta Design Jet Ink Cartridge
HP 746B 300-ml Yellow Design Jet Ink Cartridge
HP 746B 300-ml Yellow Design Jet Ink Cartridge
HP 746 300-ml Chromatic Red Design Jet Ink Cartridge
HP 746 300-ml Matte Black Design Jet Ink Cartridge

¹Maximum rate of output for color image 100% color coverage. Printed on maximum roll size, with Original HP Vivid Photo Inks.
² Mechanical printing time with Original HP Vivid Photo Inks.
² Except self-adhesive viryls and non-cuttable medias.
⁵ 201% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with HP Vivid Photo Inks.
⁵ Measured on HP Matte Film.
⁵ Based on 4 GB RAM.
¹ Based on 4 GB R

Recyclible 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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